

two opposite rows, sessile, distinct and separated by a joint from the stem, short with everted apertures : vesicles scattered.—*Polypes hydraform.*

\* Cells distinctly alternate.

1. *S. POLYZONIAS*, erect, subflexuous ; cells ovate, with a wide somewhat uneven aperture ; vesicles obovate, wrinkled across, the orifice contracted and plain. Mr Newton.

PLATE VIII. Fig. 1, 2, 3.

*Corallina minus ramosa*, alterna vice denticulata, *Raii*, Syn. 35, no. 13, tab. 2, fig. 4, malé.—Great Tooth Coralline, *Ellis*, Coral. 5, no. 3, pl. 2, fig. a, A. and pl. 38, fig. 1, A.—*Sertularia polyzonias*, *Lin.* Syst. 1312. *Ellis* and *Soland.* Zooph. 37. *Berk.* Syn. i. 219. *Turt.* Gmel. iv. 683. *Blumenb.* Man. 273. *Turt.* Brit. Faun. 216. *Wern.* Mem. i. 564. *Stew.* Elem. ii. 447. *Lam.* Anim. s. Vert. ii. 117. 2de edit. ii. 142. *Lamour.* Cor. Flex. 190. *Corallina*, 83. *Risso*, L'Europ. mérid. v. 130. *Bosc*, Vers, iii. 119. *Hogg's* Stockton, 31. *Flem.* Brit. Anim. 542. *Johnston* in *Trans. Newc. Soc.* ii. 256. *Templeton* in *Mag. Nat. Hist.* ix. 468.—*S. ericoides*, *Pall.* Elench. 127.—*Sertulara polizonia*, *Cavol.* Polip. Mar. 224, tav. 8, fig. 12-14.—*La Sertulaire zonée*, *Blainv.* Actinolog. 480.

*Hab.* On shells and other corallines, in deep water. Near Queenborough in the island of Sheppey, *Ellis*. Leith shore, *Jameson*. Coast of Ayrshire, *Mr P. W. MacLagan*. On the shore of Belfast Lough, *Templeton*. Cork Harbour, *J. V. Thompson*. Scarborough, *Mr Bean*. Coasts of N. Durham and Berwickshire.—( $\beta$ .) Cornwall, *Pallas*. Isle of Wight, *Ellis*. Berwickshire.

Polypidoms affixed by a creeping tubular fibre, from 1 to 2 inches high, of a yellowish horn-colour, filiform and slender, scarcely zigzag, simple or sparingly branched in general, but specimens occasionally occur which are bifariously pinnated ; the pinnæ alternate, erecto-patent. Cells rather distant with an oblique joint in the stem above the origin of each of them, urceolate, smooth, the aperture wide and obsoletely tridentate. Polypes white or sometimes bright-yellow, with numerous tentacula. Vesicles large, sessile, ovate with a short tubulous apex, smooth or transversely wrinkled on the upper half.

*Pallas* describes a variety ( $\beta$ ) worthy of notice, not unfrequent on the coast of Cornwall, 3 inches and upwards in height, with a compound stem, and branched in a pinnate manner similar to *Thoa halecina*, which this variety indeed very closely resembles. *Ellis* mentions that he had received specimens of the same from the Isle of Wight ; and I have found it on the coast of Berwickshire. In the collection of my friend Dr Coldstream there are specimens also, from