

upon it: they differ considerably in length; those that are near the edge of the calyx being but small papillæ, in proportion to those that surround the disk, or the central part of the body. They are almost transparent; and some of them are of a pale ash colour, with brown spots; others, on the contrary, are of a chesnut colour, marked with white spots. The disk is formed like a star, which, according to the figure that is traced out by the innermost row of the feelers, consists of many angles. The colour of this part of the body is a beautiful mixture of brown, yellow, ash-colour and white, which together form variegated rays, that from the centre, or the mouth of the animal, are spread over the whole surface of the disk.—This polype contracting itself, changes its body into an irregular hemisphere, which is so covered with the several extraneous bodies that stick to it, that it is extremely difficult to know the animal in this state, and to discern it from the rubbish, that commonly surrounds it." *Gærtner*.

Perhaps a variety of the *A. gemmacea*.

3. *A. INTESTINALIS*, "*body cylindrical, the upper half suddenly contracted and narrow.*" *Dr Fleming*.

*Actinia intestinalis*, *Fabr. Faun. Grœnl.* 350, no. 342, pl. 1, fig. 11. *Flem.*  
*Brit. Anim.* 498.

*Hab.* "Adheres to rocks at low water-mark, Zetland," *Fleming*.

"When contracted, the body seems like two broad rings, of nearly equal breadth, and about half an inch in diameter; when expanded to nearly two inches, the body consists of two cylindrical portions of different dimensions, smooth, pellucid, yellowish; a few longitudinal white streaks under the skin; oral disk not expanded, surrounded with about 18 filiform tentacula in two alternate rows." *Fleming*.

4. *A. GEMMACEA*, *body conoid, variously coloured, rough with glandular warts or sometimes smooth; tentacula numerous, in 3 or 4 series, shorter than the diameter of the oral disk, thick, and generally variegated with red and white rings.*

PLATE XXVII.

*Actinia senilis*, *Flem. Brit. Anim.* 498. *Johnston* in *Trans. Newc. Soc.* ii.  
244.

Var. *a.* Body warty, the warts large and arranged in vertical rows.—*Ortie de mer*, *Reaumur* in *Mem. de l'Acad. Roy. des Scienc.* 1710, pl. 10, fig. 21, 23—26.—*Hydra disciflora*, *tentaculis retractilibus subdiaphanis; corpore cylindrico, miliaribus glandulis longitudinaliter striato*, *Gærtner* in *Phil. Trans.* lii. 82, tab. 1, fig. 4.—*Hydra gemmacea*, *Stew. Elem.* ii. 451.—*Actinia gemmacea*, *Ellis and Soland. Zooph.* 3. *Turt. Gmel.* iv. 104. *Turt. Brit. Faun.* 131. *Wern. Mem.* i. 558.—*A. verrucosa*, *Penn. Brit. Zool.* iv. 103. *Berk. Syn.* i. 186. *Lam. Anim. s. Vert.* iii. 70. *Stark, Elem.* ii. 412. *Rapp, Polyp.* p. 50.—*A. glandulosa*