

1. A. CEREUS, *body somewhat cylindrical, furrowed lengthways; tentacula numerous, longer than the body, smooth.* Dr Gærtner.

Hydra tentaculis denudatis, numerossimis; corpore longitudinaliter sulcato, Gærtner in Phil. Trans. lii. 78, tab. 1. fig. 1.—Act. Cereus, Ellis and Soland. Zooph. 2. Turt. Gmel. iv. 103. Turt. Br. Faun. 131. Rapp, Polyp. 56, tab. 2, fig. 3.—Act. sulcata, Pen. Brit. Zool. iv. 102. Berk. Syn. i. 186. Stew. Elem. i. 394. Flem. Brit. Anim. 498. Lam. Anim. s. Vert. iii. 69. Bosc, Vers, ii. 257.—Hydra Cereus, Stew. Elem. ii. 451.

*Hab.* "Very frequent upon the sea-coasts" of Cornwall, Gærtner. Anglesey, Pennant. Torquay, Dr Coldstream.

"The body of this polype is of a light chesnut colour, and feels perfectly smooth, though it be lengthways sulcated by a number of sulci, that are frequently divided into three smaller ones, and are continued into the dentated margin that surrounds the upper periphery of the body, just beneath the insertion of the feelers. These feelers, arising from the disk of the polype, are, according to the age of the animal, between 120 and 200 in number; they exceed the body, when expanded, by more than an inch in length, and are of a beautiful sea-green colour, except towards their extremities, which are coloured with a lively red, like that of the rose. The disk is of the same brown colour with the rest of the body, and contains in its centre the mouth of the animal, which is an aperture of various shape and diameter.—The two varieties of this species, which I met with, differ but little from the already described animal. The feelers of the one, instead of being green, are throughout of a red colour, like that of the mahogany wood. The other variety has pale ash-coloured feelers, marked with a small white line running along their back; its body is of the same chesnut colour with that of the first species; but the sulci are not divided, nor has it a dentated margin surrounding its upper periphery." Gærtner.—The ACT. SULCATA of Templeton, which he says is "most probably the young" of *Actinia effæta*, Mag. Nat. Hist. ix. 303, can scarcely belong to this species.

2. A. TUEDIÆ, *body somewhat cylindrical, smooth or wrinkled with circular folds; tentacula numerous, shorter than the body, longitudinally striate.* G. J.