

5. *Cælodendrum gracillimum*, Haeckel.

*Cælodendrum gracillimum*, Haeckel, 1862, Monogr. d. Radiol., p. 364, pl. xxxii. fig. 1.

Terminal branches regularly forked, with two equal, spinulate, curved fork-branches, diverging at obtuse angles and covered with numerous small thorns; their end-knobs cap-shaped, with a corona of six to eight small recurved teeth. In one specimen of this species (in 1859) I found entangled the fragments of *Cælographis gracillima*, figured in Taf. xxxii. figs. 2, 3, *loc. cit.* I supposed at that time, erroneously, that the latter belonged to full-grown specimens of the former.

*Dimensions.*—Diameter of the skeleton 1 to 1·2, of the valves 0·15 to 0·2.

*Habitat.*—Mediterranean (Messina), surface.

6. *Cælodendrum lappaceum*, n. sp.

Terminal branches regularly forked, with two equal, spinulate, straight or slightly curved fork-branches, diverging at acute angles and covered with small recurved hooks; their end-knobs large, conical, with a prominent apex and a basal corona of six to eight recurved teeth.

*Dimensions.*—Diameter of the skeleton 1·5 to 1·8, of the valves 0·22.

*Habitat.*—South Pacific, Stations 285 to 295, depth 1500 to 2600 fathoms.

Subgenus 2. *Cælodendronium*, Haeckel.

*Definition.*—Ramification of the hollow tubes more or less irregular, mainly in the periphery; the terminal ramules of the last branches unequal.

7. *Cælodendrum cervicorne*, n. sp. (Pl. 121, fig. 8).

Terminal branches irregularly ramified, with unequal, smooth, curved ramules, diverging at obtuse angles, their end-knobs echinoidal, small, with short, diverging, conical thorns.

*Dimensions.*—Diameter of the skeleton 1 to 1·2, of the valves 0·2.

*Habitat.*—South Atlantic, Station 332, depth 2200 fathoms.

8. *Cælodendrum digitatum*, n. sp.

Terminal branches irregularly ramified, with unequal, spinulate, straight ramules, diverging at acute angles; the two last fork-branches digitate, each with five diverging finger-shaped ramules, lying in a meridian plane; their end-knobs conical, pointed, with a corona of recurved hooks.

*Dimensions.*—Diameter of the skeleton 1·6, of the valves 0·24.

*Habitat.*—Indian Ocean, Madagascar (Rabbe) surface.