

3. *Hydnophora tenella*, n. sp. (Pl. V. figs. 8-8a).

Corallum extremely thin, forming irregularly bent and undulate plates, which are neither incrusting nor thickened at the middle, nor lobate above. The under surface irregularly costate, being finely striated and furnished with a thin epitheca. On the upper more flattened surface the calicinal centres are generally very distinct, but become much less so on those parts which are bent downwards. Where the centres are distinct the septa are of three cycles, the last being incomplete, and the little cones or monticules are very low and broad, and almost rounded, having the septa which traverse them narrow and far apart, with wide vesicular interseptal chambers, formed by numerous well-developed dissepiments. At the centre of the calicles and in the valleys the septa are coarsely granulated, and give the appearance of a well-developed columella. The monticules may be conical or much elongated; and towards the margin they become sharp, angular, and rather narrow, and much more elevated than at the central portion of the colony. At the central portions the calicles in the same series are from about 4 to 5 mm. apart; the width of the monticules being from about 5 to 6 mm., and the height from 1 to 2 mm.

A single specimen was obtained.

The species is close both to the *Hydnophora exesa* and *Hydnophora demidoffi*, but is distinguishable by the free, contorted, thin, explanate habit, by the nature of the calicinal centres which are more clearly astræiform than in any other species of the genus, and by the wide, flattened and vesicular monticules.

*Locality*.—Samboangan, Philippines.

Genus 18. *Astræa*, Lamarck.

*Astræa*, Lamarck, Syst. Anim. sans Vert., p. 371, 1801.

*Favia*, Milne-Edwards and Haime, Cor., ii. p. 426.

„ Duncan, Rev. Madrep., p. 100.

Following Verrill, I have retained for this group Lamarck's *Astræa*, which undoubtedly claims priority over the *Favia* of Oken. The type of Lamarck, for which the name *Astræa* should have been retained, was the *Astræa rotulosa* of his first section and not the *Astræa* (*Siderastræa*) *galaxea* of the second, to which Oken applied it.

Ten species are in the collection.

1. *Astræa fragilis*, Dana.

*Astræa fragilis*, Dana, Zoophytes, p. 230, pl. xii. fig. 2.

This species is widely separated from the *Astræa dipsacea*, to which Dana had named it, and which has since been referred by Verrill to the genus *Acanthastrea*.