

where these are in the same line, the parent calicle becomes very long. The simple cells are from 5 to 10 mm. in diameter, and from 2 to 5 mm. deep. The walls are often 2 mm. thick and rounded, but generally they are thinner and somewhat acute. The septa are somewhat truncated above, exsert, narrow, thin, and irregularly denticulate, and give a ragged aspect to the corallum; they are of three or four cycles, the last two being small and incomplete. The pali are very uneven and irregular, thin, elongated and generally much divided and denticulate. The columella of a few small shorter points often scarcely distinct from the pali. Endotheca abundant, dissepiments very small, thin and irregular.

This species recalls many of the characters of *Goniastrea planulata* and *Goniastrea coronalis*, and represents an extreme form of the genus.

Two large specimens were obtained.

Locality.—Amboina.

2. *Goniastrea eximia* (Dana).

Astræa eximia, Dana, Zoophytes, p. 242, pl. xiii. fig. 4.

A small but excellent specimen of this well-marked species was obtained. The walls are extremely compact, and the corallum in consequence very heavy. Those cells which are in process of division are often quite large, being about 6 mm. in diameter.

Locality.—Banda.

3. *Goniostrea cerium* (Dana).

Astræa cerium, Dana, Zoophytes, p. 245, pl. xiii. fig. 8.

This species has much of the appearance of *Goniastrea eximia*, but its calicles are much smaller and quite shallow. The diameter of the calicles is from about 3 to 4 mm., and the depth about 1 mm. The walls are solid and thick, marked with slightly exsert septa. The pali are small but distinct, and are placed on the larger septa. The third cycle is incomplete and small, and rudiments of a fourth cycle are present in the larger cups.

Locality.—Kandavu, Fiji.

4. *Goniastrea favistella* (Dana).

Astræa favistella, Dana, Zoophytes, p. 241, pl. xiii. fig. 2.

Only a fragment of the basal part of a specimen of this species occurs in the collection. The septa are of four cycles, the last being incomplete and very small; occasionally rudiments of a fifth cycle are to be found.

Locality.—Banda.