

19. *Madrepora seriata* (Ehrenberg).

*Heteropora seriata*, Ehrenberg, Cor. roth. Meer., p. 113.

A single specimen of this species was obtained. It forms a broad, spreading tuft, incrusting a mass of dead coral. The lateral calicles are wide, open, generally tubular or subtubular, sometimes cochleariform, with a much thickened lower portion; they are closely placed, and arranged in well-marked rows up the branches and branchlets, especially towards the apical parts; many immersed calicles occur between the prominent ones, and towards the basal parts all the cups are shortly verruciform and much thickened, becoming immersed and often obsolescent. The central branches are somewhat compressed and angular, nearly simple or marked with many large calicles giving origin to branchlets; the exterior stems are shortly and much branched.

*Madrepora pyramidalis*, Klunzinger, seems to be extremely close to this species.

*Locality*.—Kandavu, Fiji.

20. *Madrepora hebes*, Dana.

*Madrepora hebes*, Dana, Zoophytes, p. 468, pl. xxxv. fig. 5.

Three specimens of this species were obtained. One small specimen presents many points of divergence from the common form; the lateral calicles are larger, sometimes as much as 3 mm. wide, and more gaping; the branches are thicker and shorter, and crowned above by a stouter apical calicle. This form seems to be that described and figured by Quoy and Gaimard as *Madrepora pocillifera*.<sup>1</sup>

*Localities*.—Kandavu and other reefs, Fiji.

21. *Madrepora pocillifera*, Lamarck.

*Madrepora pocillifera*, Lamarck, Hist. Anim. sans Vert., ii. p. 280, 1816.

„ „ Milne-Edwards and Haime, Cor., iii. p. 141.

The branches and branchlets of the specimens vary considerably in length and thickness. In some they are short and uniformly thick almost to the tips, where they become slightly acuminate; in others they are elongated, and lessen gradually in size, becoming much more pointed at the ends. The apical calicles consequently are large and thick, or rather delicate and small.

The tufted and thick growth of *Madrepora pallida*, Klunzinger, and its thick, open, tubular, lateral calicles separate it easily from this species in which the calicles are rather thin and fragile, cochleariform or short-labellate.

The lower portion of the corallum with its rough, uneven surface and rather large, immersed cells bears some slight superficial resemblance to a *Pocillopora*.

*Localities*.—Reefs, Fiji; Api, New Hebrides; Tongatabu.

<sup>1</sup> Voy. de l'Astrolabe (Zool.), vol. iv. p. 236, pl. xix. fig. 5.