

short and not at all prominent. Columella very small and generally inconspicuous, often absent. Surface very granulated and minutely spinulose. Texture of corallum rather dense and heavy, closely reticulate or fissured.

In general appearance this species somewhat resembles *Porites astræoides*, but its structure is quite different. A single small specimen was obtained.

*Locality*.—Kandavu.

11. *Porites arenosa* (Esper).

*Madrepora arenosa*, Esper, Pflanz. Forts., i. p. 80, Madrep. pl. lxxv.

*Porites arenosa*, Milne-Edwards and Haime, Cor., iii. p. 180.

This widely distributed species is represented by numerous specimens. It is very close to *Porites lutea*, but seems to be sufficiently distinguishable by the much more lobed and mammillated corallum, by the very thin and small, elongated cells in the depressions, by the deeper cells with very conspicuous interseptal spaces, by the longer and thinner pali, and by the more spinulose walls.

*Localities*.—Tahiti; Tongatabu; Banda; Kandavu, and other reefs, Fiji.

12. *Porites gaimardi*, Milne-Edwards and Haime.

*Porites gaimardi*, Milne-Edwards and Haime, Cor., iii. p. 179.

A single specimen was obtained. It forms a thick, erect, rather elongated mass, slightly flattened above. The cups are about 1.5 mm. wide, and the columella is very distinct, though small.

*Locality*.—Banda.

13. *Porites crassa*, n. sp. (Pl. XI. figs. 2-2a).

Corallum massive, uneven, irregularly monticulose and mammillate, incrusting at the base. Calicles deep, moderately large, from 1.5 to 2 mm. wide, not plane at the bottom; walls spinulose, sometimes thin, but generally very thick and porous, being about one-fourth or one-half the width of the cell; young developing cells very abundant on the thick walls. Septa subequal, often rather thick and prominent, joined two and two in the depth of the cup, where a very distinct circle of well-developed, rather long, generally thin and pointed pali is visible. The interseptal spaces very wide and distinct. Columella absent or quite inconspicuous. Texture very porous but firm.

This species has many points of resemblance with *Porites fragosa*, but differs markedly in its deep cells which are not plane at the bottom, and also in its thicker walls and larger cells. A single small specimen was obtained.

*Locality*.—Reefs, Fiji.