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Pavona frondifera Lamarck, Searle, 1956, *Mal. Nat. Jour.*, 11(1—2), p. 15, pl. 11A.

Pavona frondifera Lamarck, Utinomi, 1965, *Pub. Seto Mar. Biol. Lab.*, 13 (3), p. 248.

Pavona frondifera Lamarck, 邹仁林等, 1975, 科学出版社, p. 24, pl. 6, fig. 2.

标本采集地: 涠洲岛、碇洲岛、鹿回头、西瑁岛、小东海、大东海、白排、陵水新村港、琼海沙耆、文昌冯家、新盈邻昌、头嘴排。

特征: 群体由扭曲叶片状珊瑚骨骼组成，珊瑚骨骼两面有珊瑚体分布。由隔片-珊瑚肋升高形成相互平行的纵向龙骨突，这是该种的识别特征之一。珊瑚杯清楚，椭圆形，浅，呈横排列，约与珊瑚肋边缘相平行。隔片-珊瑚肋厚而拥挤，高而长的与矮而短的相间排列，两侧有细而密的刺状颗粒，边缘薄而光滑。在珊瑚肋上部无轴柱，下部由稍突起的或扁平小梁组成。

生活时为褐色、黄绿色、黄紫色，有时珊瑚肋顶端呈白色。

地理分布: 印度洋，新加坡，印度尼西亚，菲律宾，帛琉群岛，斐济群岛，萨摩亚群岛，波纳佩岛，贾卢伊特环礁，加罗林群岛，日本（琉球群岛、四国岛）；我国台湾、海南及广东沿岸。

球牡丹珊瑚 *Pavona cactus* (Forsk., 1775) (图版XXIII 图3)

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- Pavona praetorta* Dana, Quelch, 1886, *Rep. Sci. Res. Voyage H. M. S. Challenger Zool.*, 16 (46), p. 116.
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- Pavona praetorta* Dana, Nemenzo, 1955, *Nat. Appl. Sci. Bull.*, 15 (1), p. 14, pl. 2, fig. 2.
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- Pavona praetorta* Dana, 邹仁林等, 1975, 科学出版社, p. 25, pl. 1, fig. 9.
- Pavona praetorta* Dana, 邹仁林, 1978, 科学出版社, p. 94.

标本采集地: 三亚西瑁岛、陵水新村港、琼海沙荖、赵述岛、金银岛、华光礁、盘石屿、西沙洲、东岛。

特征: 群体由薄而扭曲的叶片状珊瑚骨骼组成, 叶片上无龙骨突。珊瑚杯分布在两面, 杯小、浅, 横排列。叶片珊瑚骨骼上部隔片-珊瑚肋高而带刺状颗粒与矮而光滑的相间排列; 下部隔片-珊瑚肋无高矮之分, 都带有刺状颗粒。轴柱为稍扁平的突起或无。

生活时单色为黄褐色, 复色为黄绿色和褐色加顶端为白色, 或顶端黄色, 基部棕色。

地理分布: 安达曼群岛, 安汶, 菲律宾, 帛琉群岛, 澳大利亚, 塔希堤岛, 马绍尔群岛, 马利亚纳群岛, 加罗林群岛, 日本及其冲绳岛和小笠原群岛; 我国台湾、东沙群岛、西沙群岛和海南岛。

注释: Veron 和 Pichon (1980, p. 8) 认为 *Pavona formosa* Dana, *Pavona venusta* Dana 和 *Lophoseris knorri* Milne-Edwards & Haime, 1851 都是该种的同物异名。

十字牡丹珊瑚 *Pavona decussata* (Dana, 1846) (图版XXIII 图 5、6; 彩图 19)

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