

tical section of a calice; 1 e, transverse section, near base of zoophyte, natural size; 1 f, same, near apex.—p. 387.

Fig. 2. *DENDROPHYLLIA SCABROSA*, corallum, natural size.—p. 390.

Fig. 3. *DENDROPHYLLIA DIAPHANA*, corallum, natural size.—p. 389.

Fig. 4. *DENDROPHYLLIA COCCINEA*, corallum, natural size.—p. 388.

Fig. 5. *CARYOPHYLLIA FLEXUOSA*, part of corallum, natural size.—p. 381.

Fig. 6. *CARYOPHYLLIA CONFERTA*, part of corallum, natural size.—p. 380.

Fig. 7. *CARYOPHYLLIA ARBUSCULA*, corallum, natural size.—p. 381.

Fig. 8. *CARYOPHYLLIA POCILLUM*, corallum, natural size.—p. 384.

Fig. 9, 9 a. *CARYOPHYLLIA DILATATA*, corallum, natural size.—p. 384.

Fig. 10. *GEMMIPORA FRONDENS*, corallum, excepting a single lobe, in outline, natural size; 10 a, animal, partly expanded; 10 b, section of corallum, enlarged; 10 c, surface of corallum, magnified.—p. 412.

Fig. 11. *GEMMIPORA CINERASCENS*, surface of corallum, magnified.—p. 411.

N. B. In the text, the above figures are referred by mistake to plate 30.

#### PLATE 28.

Fig. 1. *OCULINA HORRESCENS*, corallum, natural size; 1 a, transverse section of branch, magnified; 1 b, calice enlarged.—p. 392.

Fig. 2. *ANTHOPHYLLUM HYSTRIX*, corallum, natural size; 2 a, polyp, enlarged; 2 b, tentacle, enlarged; 2 c, calice, natural size; 2 d, transverse section of calice; 2 e, texture of spongy part, magnified.—p. 401.

Fig. 3. *ANTHOPHYLLUM CLAVUS*, corallum, natural size; 3 a, calice, enlarged; 3 a', same, natural size; 3 b, section of part of stem.—p. 403.

Fig. 4. *ANTHOPHYLLUM CESPITOSUM*, calice, natural size.—p. 401.

Fig. 5. *CELICIA STELLATA*, calices, natural size; 5 a, expanded polyp, enlarged; 5 b, tentacle, enlarged; 5 c, calice, enlarged; 5 d, lamellae of calice, enlarged.—p. 377.

Fig. 6. *CELICIA TENELLA*, calice, enlarged; 6 a, natural size; 6 b, lamellae of cell, enlarged.—p. 377.

Fig. 7. *CELICIA TRUNCATA*, calice, enlarged; 7 a, same, natural size.—p. 378.

#### PLATE 29.

Fig. 1. *GEMMIPORA BRANICA*, corallum, showing the cells, natural size; 1 b, horizontal section of corallum, enlarged, viewed from above; 1 c, calice, enlarged.—p. 413.

Fig. 2. *GEMMIPORA PALIFERA*, corallum, natural size; 2 a, transverse section, enlarged; 2 b, polyp, enlarged.—p. 409.

Fig. 3. *ASTROFORA PULVINARIA*, corallum, natural size; 3 a, animal, enlarged, partly expanded; 3 b, cell, enlarged; 3 c, animal, less expanded; 3 d, vertical section of corallum, enlarged.—p. 415.

#### PLATE 30.

Fig. 1. *ISAURA SPECIOSA*, natural size; 1 a, animal, enlarged.—p. 419.

Fig. 2. *ISAURA ASTER*, natural size; 2 a, animal enlarged.—p. 419.

Figs. 3 a, 3 b, 3 c, 3 d, 3 e, 3 f, 3 g, 3 h. *PALYTHOA CENIA*—pp. 40, 427.

Figs. 4 a, 4 b. *GEMMIPORA FELTATA*—p. 410. (Reference omitted in the text.)

N. B. Several figures, referred in the text by mistake to Plate 30, will be found on Plate 27.

#### PLATE 31.

Fig. 1. *MADREPORA CRIBRIFORA*, zoophyte expanded, natural size; 1 a, polyp, enlarged; 1 b, extremity of branch of corallum; 1 c, surface of corallum magnified about 10 diameters; 1 d, part of a transverse section of corallum, enlarged.—p. 470.

Fig. 2 a. Calice of *MADREPORA FORMOSA*, enlarged, lateral view; 2 b, end view, showing cell and rays.—pp. 432, 473.

Figs. 3 a, 3 b. Calices of *MADREPORA ROBUSTA*, enlarged, lateral view; 3 c, end view, showing cell and rays.—pp. 432, 475.

Figs. 4 a, 4 b. Calices of *MADREPORA HUMILIS*, enlarged, lateral view; 4 c, end view.—pp. 432, 483.

Fig. 5. Calice of *MADREPORA HYSTRIX*, lateral view, enlarged; 5 a, end view.—pp. 432, 476.

Figs. 6 a, 6 b, 6 c. Calice of *MADREPORA SPECIFERA*, enlarged, different views.—pp. 432, 442.

Fig. 7 a. A dimidiate calice, 432.

Fig. 8 a. Calice of *MADREPORA APPRESSA*, lateral view, enlarged; 8 b, end view.—pp. 432, 457.

Fig. 9 a. Calice of *MADREPORA ECHINATA*, lateral view, enlarged; 9 b, end view.—pp. 432, 458.

Fig. 10 a. Calice of *MADREPORA LABROSA*, lateral view, enlarged; 10 b, end view.—p. 486.

Fig. 11 a. *MADREPORA PALMATA*, end view of calice, enlarged; 11 b, 11 c, 11 d, 11 e, 11 f, different calices, natural size.—p. 436.

Fig. 12 a. *MADREPORA ALICES*, end view of calice, enlarged; 12 b, 12 c, 12 d, 12 e, 12 f, different calices, natural size.—p. 437.

Fig. 13 a. *MADREPORA FLABELLUM*, end view of calice, enlarged; 13 b, 13 c, 13 d, 13 e, different calices, natural size.—p. 438.

#### PLATE 32.

Fig. 1. *MADREPORA CONIGERA*, part of corallum, in outline; 1 a, one of the conical prominences.—p. 440.

Fig. 2. *MADREPORA HYACINTHUS*, fragment of corallum, natural size, showing branchlets of upper and under surface.—p. 444.

Figs. 3 a, 3 b. *MADREPORA CYTHERA*, fragments of corallum, natural size, showing branchlets and parts of the main branches; 3 a, somewhat weathered.—p. 441.

Fig. 4. *MADREPORA SUACULOSA*, corallum, natural size; 4 a, branchlets, natural size.—p. 445.

Fig. 5. *MADREPORA SUACULOSA* (?)—p. 445.

Fig. 6. *MADREPORA ACULEES*, part of corallum, natural size; 6 a, branchlet, natural size.—p. 450.

Fig. 7. *MADREPORA TUBICINARIA*, corallum, natural size; 7 a, extremity of branch, natural size.—p. 451.

#### PLATE 33.

Fig. 1. *MADREPORA PROSTRATA*, part of corallum, natural size; 1 a, polyp enlarged; 1 b, same, partly contracted; 1 c, branchlet of corallum; 1 d, surface enlarged; 1 e, cell enlarged in profile; 1 f, transverse section of branch of corallum, enlarged.—p. 447.