

*Calthropella geodiides* (Carter).

*Pachastrella geodioides*, Carter, Ann. and Mag. Nat. Hist., ser. 4, vol. xviii. p. 407, pl. xiv. fig. 23, 1876.

*Sponge*.—More or less spherical, wider at the base than at the summit; surface even, slightly roughened by projecting spicules; oscules small, scattered singly.

*Spicules*.—I. Megascleres. 1. *Oxea*, 0.736 by 0.0093 mm. 2. *Calthrops*, three actines of equal length, 0.7 by 0.085 mm., the fourth reduced to a rounded tubercle, or suppressed, being represented merely by a short axial fibre within a triactinate form. 3. *Dichocalthrops*, variable, one actine simple, suppressed or not, the other three bifurcated or not. Smaller than the simple calthrops.

II. Microsclere. 4. *Spheraster*, centrum large, actines reduced to rounded tubercles; 0.0254 mm. in diameter.

*Colour*.—Dark grey. Size, 25 mm. high, by 25 mm. in diameter at the base.

*Habitat*.—Near Cape St. Vincent.

*Calthropella* (?) *exostitus* (O. Schmidt).

*Pachastrella exostitus*, O. Schmidt, Spong. Algiers, p. 16, pl. iii. fig. 12, 1868.

*Spicules*.—I. Megasclere. 1. *Calthrops*.

II. Microscleres. 2. *Tuberculate microrabds* and *spherasters*.

*Habitat*.—Red Sea.

*Remarks*.—The spheraster with actines reduced to tubercles appears to resemble that of *Calthropella geodiides* and *Calthropella simplex*, and I therefore with some hesitation assign this species to the genus *Calthropella*. The tuberculated microrabd suggests affinities to *Dercitus*.

## Genus (?).

*Pachastrella connectens*, O. Schmidt, Spong. Atlant. Gebiet., p. 65, pl. vi. fig. 5.

*Sponge*.—"A smutty brown knob."

*Spicules*.—I. Megascleres. 1. *Oxea*, 2.13 mm. long. 2. *Calthrops*, actines 0.71 by 0.305 mm.

II. Microscleres. 3. *Microoxea*, 0.1 mm. in length. 4. *Microstrongyle*, often centrotlyote, 0.19 mm. long. 5. *Aster*, 0.035 mm. in diameter.

*Habitat*.—Florida, 7½ fathoms.

*Remarks*.—I have pieced together the information afforded by Schmidt's description and a type-slide in the British Museum, but with no satisfactory result.