

thin disk it nevertheless reaches unusual dimensions, its diameter in some species being more than a millimetre.

Subgenus 1. *Myelastrella*, Haeckel.

*Definition*.—Posterior arms simple, undivided; anterior arms lobated or cleft, with one or more incisions at the distal end.

1. *Myelastrium medullare*, n. sp. (Pl. 47, fig. 13).

Anterior arms bifid, nearly square, with a shallow incision at their broad truncated end. Posterior arms somewhat smaller, nearly triangular, with simple blunt ends. Sagittal constriction three-fourths as large as the transverse one. Surface smooth.

*Dimensions*.—Radius of the anterior arms 0.36, of the posterior 0.3; longitudinal constriction 0.24, transverse 0.36.

*Habitat*.—Pacific, central area, Station 271, surface.

2. *Myelastrium spinale*, n. sp.

Anterior arms bifid, twice as long as broad, with a deep incision at their truncated end. Posterior arms slender, half as large, with simple blunt ends. Sagittal constriction one and a half times as large as the transverse. Surface spiny.

*Dimensions*.—Radius of the anterior arms 0.4, of the posterior 0.2; longitudinal constriction 0.3, transverse 0.2.

*Habitat*.—North Pacific, Station 248, surface.

3. *Myelastrium heteropterum*, n. sp. (Pl. 47, fig. 8).

Anterior arms trifid, about as long as broad, with two incisions at their broad truncated end. Posterior arms about half as large, simple, with rounded blunt ends. Sagittal constriction two-thirds as large as the transverse. Surface bristly.

*Dimensions*.—Radius of the anterior arms 0.65, of the posterior 0.035; longitudinal constriction 0.4, transverse 0.6.

*Habitat*.—South Pacific, Station 291, surface.

Subgenus 2. *Myelastromma*, Haeckel.

*Definition*.—All four arms (posterior as well as anterior) lobated or cleft.

4. *Myelastrium octocorne*, n. sp. (Pl. 47, fig. 12).

All four arms with a deep incision in their distal half; anterior arms broader, but shorter than the posterior; in the anterior arms the two lobes are of the same size, in the posterior arms the