

Genus 113. *Spongechinus*,¹ Haeckel, 1881, Prodrömus, p. 456.

Definition.—Astrosphærida with hollow, spongy sphere, without latticed medullary shell in the central cavity, and with numerous simple radial spines.

The genus *Spongechinus* differs from its ancestral form, *Plegmosphæra*, in the development of numerous radial spines on the surface of the spongy sphere, within which is enclosed a large spherical central cavity.

1. *Spongechinus setosus*, n. sp.

Spongy sphere three times as broad as its inner cavity, with a very delicate, equal framework. Entire surface covered with short, straight, bristle-shaped radial spines, about half as long as the radius.

Dimensions.—Diameter of the sphere 0·2, of its inner cavity 0·07; length of the spines 0·05.

Habitat.—North Atlantic, Azores, surface.

2. *Spongechinus serrulatus*, n. sp.

Spongy sphere twice as broad as its inner cavity, with a delicate, equal framework. Entire surface covered with short, curved, radial spines, which are elegantly denticulated, and as long as the shell radius.

Dimensions.—Diameter of the sphere 0·3, of its cavity 0·15; length of the spines 0·15.

Habitat.—Central Pacific, Station 274, surface.

3. *Spongechinus cavus*, n. sp.

Spongy sphere only one-fourth broader than the large inner cavity, its spongy wall being only one-fourth as thick as the radius, composed of three to four strata of irregular, small meshes. Surface covered with short, bristle-shaped, curved spines, one-third as long as the radius.

Dimensions.—Diameter of the sphere 0·5, of its inner cavity 0·4; length of the spines 0·08.

Habitat.—North Atlantic, Station 354, surface.

Genus 114. *Spongothamnus*,² n. gen.

Definition.—Astrosphærida with hollow, spongy sphere, without latticed medullary shell in the central cavity, and with numerous branched radial spines.

The genus *Spongothamnus* differs from the preceding *Spongechinus* in the ramification of the numerous radial spines, covering the surface of the hollow spongy sphere;

¹ *Spongechinus* = Spongy Urchin; σπόγγος, ἰχθῖνος.

² *Spongothamnus* = Spongy shrub; σπόγγος, θάμνος.