

*Dimensions.*—Diameter of the shell 0·12, pores 0·005 to 0·01, bars 0·003; length of the main spines 0·08, basal breadth 0·01.

*Habitat.*—South Atlantic, Station 325, surface.

14. *Heliosphæra solaris*, n. sp.

Shell thick walled, with irregular, roundish pores, about the same breadth as the bars; six to eight on the radius. Fifty to eighty main spines, conical, as long as the radius; by-spines very numerous, also conical, but only as large as one pore.

*Dimensions.*—Diameter of the shell 0·15, pores and bars 0·006 to 0·008; length of the main spines 0·08, basal breadth 0·012.

*Habitat.*—Central Pacific, Station 268, depth 2900 fathoms.

Genus 90. *Conosphæra*,<sup>1</sup> Haeckel, 1881, Prodrömus, p. 451.

*Definition.*—A *strosphærida* with one simple latticed sphere, covered with radial spines having the form of hollow cones with porous walls.

The genus *Conosphæra* differs from *Acanthosphæra* in the peculiar formation of the radial spines, which are not simple solid sticks, but hollow cones with porous walls, as immediate elevations of the hollow sphere.

1. *Conosphæra platyconus*, n. sp.

Pores of the shell regular, circular, twice as broad as the bars; ten to twelve on the radius. Conical spines about sixty, regular, broader than they are high, with six to nine pores in the wall.

*Dimensions.*—Diameter of the shell 0·16, pores 0·008, bars 0·004; length of the spines 0·012, basal breadth 0·024.

*Habitat.*—Central Pacific, Station 272, depth 2600 fathoms.

2. *Conosphæra orthoconus*, n. sp. (Pl. 12, fig. 2).

Pores of the shell irregular, roundish, twice to three times as broad as the bars; fourteen to sixteen on the radius. Conical spines about forty, regular, higher than they are broad, as long as the radius, with sixteen to twenty pores in the wall.

*Dimensions.*—Diameter of the shell 0·2, pores 0·008 to 0·012, bars 0·004; length of the spines 0·05, basal breadth 0·03.

*Habitat.*—Central Pacific, Station 271, depth 2425 fathoms.

<sup>1</sup> *Conosphæra* = Sphere with cones; κῶνος, σφαῖρα.