

major axis, on both poles of the nucleus-axis, two large oil-globules, half as large as the nucleus. Calymma ellipsoidal, with numerous xanthellæ; its diameter four times as large as that of the capsule.

Dimensions.—Major axis of the capsule 0·2, minor 0·12; major axis of the nucleus 0·07, minor 0·04; major axis of the calymma 0·8, minor 0·5.

Habitat.—Mediterranean, Corfu, 1877, Haeckel, surface.

Subgenus 3. *Actidiscus*, Haeckel, 1882.

Definition.—Central capsule lenticular, with one shortened axis.

7. *Actissa discoides*, n. sp.

Actidiscus discoides, Haeckel, 1882, Manuscript.

Central capsule lenticular, red-coloured, about twice as broad as high, with a thick, double-edged membrane. Nucleus spherical, one-third as broad as the capsule, with one single, large central nucleolus. Protoplasm dusky, filled with scarlet pigment; granules and small oil-globules between them. Calymma lenticular, three times as broad as the capsule.

Dimensions.—Major axis of the capsule 0·16, minor 0·08; diameter of the nucleus 0·05; breadth of the calymma 0·5.

Habitat.—North Pacific, Station 236, surface.

8. *Actissa lenticularis*, n. sp.

Central capsule lenticular, flattened, about three times as broad as high, with a thin, simple-edged membrane. Nucleus lenticular, one-third as large as the capsule, with ten small dark nucleoli. Protoplasm transparent, colourless, filled with small vacuoles at regular distances; on the inside of the membrane in the circular periphery of the lens twenty dark oil-globules. Calymma lenticular, twice as broad as the capsule.

Dimensions.—Major axis of the capsule 0·15, minor 0·05; breadth of the nucleus 0·05, height 0·02; breadth of the calymma 0·03.

Habitat.—East Pacific, Station 272, surface.

9. *Actissa phacoides*, n. sp.

Actidiscus phacoides, Haeckel, 1882, Manuscript.

Central capsule lenticular, strongly flattened, about four times as broad as high, with a thin, simple-edged membrane. Nucleus lenticular, one-fourth as broad as the capsule, with numerous (twenty or more) small nucleoli. Protoplasm filled with dark pigment-granules; on the inside of the membrane in the circular periphery of the lens thirty-two dark oil-globules. Calymma lenticular, three times as broad as the capsule.