

4. *Ellipsoxiphus claviger*, n. sp. (Pl. 14, fig. 3).

*Xiphosphæra clavigera*, Haeckel, 1881, Prodrömus et Atlas.

Proportion of the major axis to the minor = 5 : 4. Shell thick walled, with irregular network; meshes roundish or circular, double contoured, of unequal size, twice to four times as broad as the bars; eight to ten on the half equator. Polar spines club-shaped, with prominent edges, about as long as the minor axis; thicker in their middle part than at both ends (differs from *Xiphosphæra clavigera* by the ellipsoidal form of the shell, and the double length of the spines).

*Dimensions*.—Longer axis 0·15, shorter axis 0·12; pores 0·007 to 0·015, bars 0·004; length of the polar spines 0·12, thickness in the middle part 0·02.

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

5. *Ellipsoxiphus suessi*, Dunikowski.

*Ellipsoxiphus suessi*, Dunikowski, 1882, Denkschr. d. k. Akad. d. Wiss. Wien, Bd. xlv. p. 26, Taf. v. fig. 50.

Proportion of the major axis to the minor = 7 : 5. Shell thick walled, with irregular, roundish meshes, six to eight on the half equator, twice to three times as broad as the bars. Polar spines nearly cylindrical, blunt, as long as the major axis.

*Dimensions*.—Longer axis 0·14, shorter axis 0·1; pores 0·018 to 0·023, bars 0·01; length of the polar spines 0·12, thickness of them 0·035.

*Habitat*.—Fossil in the Alpine Lias, Schafberg near Salzburg, Dunikowski.

6. *Ellipsoxiphus parvoforaminus*, Dunikowski.

*Ellipsoxiphus parvoforaminus*, Dunikowski, 1882, Denkschr. d. k. Akad. d. Wiss. Wien, Bd. xlv. p. 26, Taf. v. fig. 51.

Proportion of the major axis to the minor = 7 : 6. Shell thick walled, with irregular, roundish or oval meshes, ten to twelve on the half equator, scarcely as broad as the bars. Polar spines conical, shorter than the minor axis.

*Dimensions*.—Longer axis 0·14, shorter axis 0·12; pores 0·016 to 0·01, bars 0·01 to 0·02 length of the polar spines 0·1, basal thickness 0·045.

*Habitat*.—Fossil in the Alpine Lias, Schafberg near Salzburg, Dunikowski.

7. *Ellipsoxiphus bipolaris*, n. sp. (Pl. 14, fig. 11).

*Xiphosphæra bipolaris*, 1881, Prodrömus et Atlas.

Proportion of the major axis to the minor = 8 : 7. Shell thick walled, with irregular, roundish meshes, twice to three times as broad as the bars; sixteen to twenty on the half equator. Polar spines short and thick, three-sided pyramidal, scarcely half as long as the shorter radius of the shell; surrounding the base of every spine is a circle of eight to nine shorter spines.

*Dimensions*.—Longer axis 0·08, shorter axis 0·07; pores 0·003 to 0·007, bars 0·002; length of the polar spines 0·02 to 0·03, basal thickness 0·02.

*Habitat*.—Tropical part of the Western Pacific, Station 225, depth 4475 fathoms.