

extension and strength of the fulcral capsule increases proportionately with that of the ovum enclosed. The ripest ovum of *Periphema regina* reaches the extraordinary size of a millimeter and more. The ova consist for the most part of an opaque food yolk, composed of spheroidal yolk granules of equal size (0.01 mm. diameter), thickly compacted (fig. 4, *yd*). Each ripe ovum is also enclosed (inside the fulcral sheath) by a thick structureless (?) chorion (fig. 4, *yc*), showing a projecting micropyle at one spot (fig. 4, *ym*). It has the form of a short bottle neck, and resembles the micropyle known in the eggs of our freshwater mussels (*Naiadacea*). Below the micropyle we can distinguish with the naked eye a white spot ("cicatricula") on the yellow yolk, in which the large spheroidal germinal vesicle is enclosed ("nucleus," *yn*). It contains a visibly dark, germinal spot ("nucleolus," *yf*), and this again contains a large double contoured germinal point ("nucleolus," fig. 4, *yp*).

#### Order VIII. CUBOMEDUSÆ, Hæckel, 1877.

Acraspedæ with four perradial sense clubs, containing an auditory club with endodermal otolite sac and one or more eyes; four interradial tentacles or bunches of tentacles. Stomach with four wide perradial quadrangular pouches separated by four long, narrow interradial septa or fused selvages. Genitalia four pair of leaf-shaped swellings, which are fastened by one margin along the four interradial septa, are developed from the subumbral endoderm of the gastral pouches, and project freely into their hollow space.

#### Family CHARYBDEIDÆ, Gegenbaur, 1856.

CHARYBDEIDÆ, Hæckel, System der Medusen, 1879, p. 433, taf. xxv.

Cubomedusæ with four simple, interradial tentacles and four perradial sense clubs; without marginal lobes in the velarium, but with eight adradial marginal pouches; without pouch arms in the four broad perradial pouches.

#### Sub-family, TAMOYIDÆ, Hæckel, 1877.

Charybdeidæ with velar canals, and with four perradial frenula of the velarium.

#### *Charybdea*,<sup>1</sup> Péron and Lesueur, 1809.

Charybdeidæ with four simple interradial tentacles, having pedalia; with suspended velarium (with velar canal and four perradial frenula). Stomach flat and low, without

<sup>1</sup> Χάρυβδις = an eddy, a gulf, rapacious.