**Cyclolithus bramletti** HAY & TOWE, 1962


**Description:**

Diagnosis — A circular species of *Cyclolithus* with the width of the ring $\frac{1}{2}$ the radius of the cyclolith, composed of at least three cycles of plates stacked on top of one another.

Description — In top view circular, outer margin asymmetrically serrate; basal cycle widest, with about 40 petaloid plates, slightly sinistrally imbricate; middle cycle composed of an equal
number of thick narrow plates moderately sinistrally imbricate, sutures on upper surface with strong clockwise inclination; upper cycle composed of an equal number of very thin plates not perceptibly imbricated, sutures with a moderate clockwise inclination, forming notches along inner margin.

Dimensions of holotype — Inside diameter of cyclolith 1.8 \( \mu \); outside diameter of cyclolith 3.2 \( \mu \).

**Remarks:**

Coccoliths of this sort may be thought of as arising from those of the *Cyathosphaera* type through increase in size of the central perforate area and reduction in width of the upper and lower shields. Of the species of *Cyclolithus* described to the present, only *C. rotundus* Kamptner from the Tortonian of the Vienna basin and *C. ? robustus* Bramlette et Sullivan from the Paleocene of California have a circular outline. The width of the ring in proportion to the diameter of the cyclolith is much less in *C. rotundus* and much greater in *C. ? robustus* than in the new species. The coccospheres of this species must be very large as the fragment shown in fig. 6 displays little curvature.

**Type level:**

Couches de Donzacq, Cuisian.

**Type locality:**

Tuilerie de Donzacq, Landes, France.

**Depository:**

Electron Microscope Laboratory, Department of Geology, University of Illinois, Urbana. Holotype: UI-EML-1910B.

**Author:**

Hay W.W. and Towe K.M., 1962, p. 500; pl. 5, fig. 6; pl. 7, fig. 2.

**Reference:**

Electronmicroscopic Examination of some Coccoliths from Donzacq (France). Ecl. geol. Helvetiae, vol. 55, no 2, pp. 497-517, pls. 1-10, text-figs. 1, 2.