

These apophyses exhibit a remarkable variety in the great subfamily Theophormida, with open mouth. In the small subfamily Theophænida, however, the apophyses appear as six or nine simple lateral wings on the abdomen.

The Theophormida are richly represented not only in the present seas, but also as fossils in Barbados, and numerous remarkable forms have been already described by Ehrenberg, in his genera *Calocyclus* and *Cycladophora*. Many Phormocyrtida belong to the most elegant and admirable forms of Radiolaria.

Synopsis of the Genera of Phormocyrtida.

I. Subfamily Theophormida. Terminal mouth of the abdomen a simple wide opening.	Radial ribs enclosed in the wall of the shell, either the thorax or the abdomen.	Radial ribs in the thorax and the abdomen.	Abdomen flat, dilated, with a wide open mouth,	601. <i>Theophormis</i> .
			Abdomen ovate or cylin- drical, with constricted mouth,	602. <i>Phormocyrtis</i> .
		Radial ribs in the abdomen only.	Peristome with free ter- minal feet,	603. <i>Alacorys</i> .
	No radial ribs in the shell-wall. Peristome with a corona of terminal feet.	Terminal corona simple.	Abdomen cylindrical or ovate, not dilated,	605. <i>Calocyclus</i> .
			Abdomen dilated, truncate, conical or discoidal,	606. <i>Clathrocyclus</i> .
		Corona of feet double.	Both coronas terminal,	607. <i>Lamprocyclus</i> .
One corona terminal, the other lumbar,			608. <i>Diploocyclus</i> .	
II. Subfamily Theophænida.	Terminal mouth of the ab- domen closed by a lattice- plate.	Six lateral wings,	609. <i>Hexalatractus</i> .	
		Nine lateral wings,	610. <i>Theophaena</i> .	

Subfamily I. THEOPHORMIDA, Haeckel, 1881, Prodrömus, p. 436.

Definition.—Phormocyrtida with the basal mouth of the shell open (vel Tricyrtida multiradiata aperta).

Genus 601. *Theophormis*,¹ Haeckel, 1881, Prodrömus, p. 436.

Definition.—Theophormida (vel Tricyrtida multiradiata aperta) with numerous radial ribs enclosed in the wall of the thorax and of the flat dilated abdomen; mouth of the latter wide open.

¹ *Theophormis* = Divine basket; θεός, φορμίσ.