

REPORT ON THE RADIOLARIA.

*Synopsis of the Genera of Podocyrtida.*

I. Subfamily Theopilida. (Podocyrtida aperta.)	Terminal mouth of the shell a simple wide opening.	A. Three free limbs or wings on the thorax (partly also on the abdo- men).	No free ex- ternal appen- dages on the abdomen.	Three wings of the thorax solid.	Wings arising from the thorax, . . . . .	582. <i>Pterocorys</i> .
					Three ribs enclosed in the wall of the thorax, . . . . .	583. <i>Theopilium</i> .
					Wings arising free from the collar stricture, . . . . .	584. <i>Corocalyptron</i> .
				Three wings of the thorax latticed.	Wings not prolonged into the cephalis, . . . . .	585. <i>Dictyoceras</i> .
					Wings prolonged into the cephalis, . . . . .	586. <i>Pteropilium</i> .
		B. Free appen- dages not on the thorax, only on the abdomen.	Free appen- dages on the abdomen.	Three ribs pro- longed into three termi- nal feet.	Ribs and feet solid, . . . . .	587. <i>Theopodium</i> .
					Ribs and feet lat- ticed, . . . . .	588. <i>Pterocanium</i> .
				Three free wings on the thorax. Nu- merous termi- nal feet.	Wings and feet solid, . . . . .	589. <i>Pterocodon</i> .
					Wings and feet latticed, . . . . .	590. <i>Dictyocodon</i> .
					Abdomen with three ribs and three feet, . . . . .	591. <i>Pleuropodium</i> .
II. Subfamily Theoperida. (Podocyrtida clausa.)	Terminal mouth of the shell closed by a lattice-plate.	Three wings only on the abdomen.	Abdomen without lateral ribs, with three terminal feet.	Three feet solid, simple, . . . . .	592. <i>Podocyrthis</i> .	
				Three feet solid, ramified, . . . . .	593. <i>Thyrsoyrthis</i> .	
			Three lateral wings only on the thorax, . . . . .	Three feet latticed, . . . . .	594. <i>Dictyopodium</i> .	
				Wings solid, . . . . .	595. <i>Lithornithium</i> .	
III. Subfamily Theopoda. (Podocyrtida clausa.)	Terminal mouth of the shell closed by a lattice-plate.	Three wings only on the abdomen.	Shell spindle-shaped, with three lateral wings on the abdo- men.	Wings latticed, . . . . .	596. <i>Sethornithium</i> .	
				Wings solid, . . . . .	597. <i>Theopoda</i> .	
			Shell three-sided pyramidal, with three terminal- feet on the basal corners, . . . . .	No horn on the basal pole, . . . . .	598. <i>Rhopalocanium</i> .	
				Basal pole of the shell with a horn, . . . . .	599. <i>Rhopalatractus</i> .	
					600. <i>Lithochytris</i> .	

Subfamily 1. THEOPILIDA, Haeckel, Prodrömus, p. 435.

*Definition.*—Podocyrtida with the terminal mouth of the shell open (vel Tricyrtida triradiata aperta).