**Name:** Notios (Greek), southern.

**Type species:** Notiocyrtolithus rothii sp. nov.

**Diagnosis:** Elliptical cyrtolith with two-cycle basal shield (S1 & S3 in Fig. 2) and a matching (elliptical) compound hollow central structure (CC, CW & CT in Fig. 2), projecting distally. The central structure consists of at least two tiers (CC & CW) and an arched cupola which is constructed chiefly of spirally arranged laths. A cycle of angular elements is usually present around the cupola. This cycle is not represented in Fig. 2.

**Remarks:** Narrow slits may develop between the elements of the inner (S3) cycle of the basal shield. This cycle and its neighbouring (CC) tier of the central structure are best observed in an oblique view.

**Differentiation:** The two-cycle basal shield of *Notiocyrtolithus* readily differentiates this genus from related genera. The base of *Cepekiella* Roth 1970 is interpreted here as constructed of a single monocyclic shield, which would equate with the proximal shield of the two shields in Roth (1970); the tiers CC and CW of *Cepekiella* in Fig. 2 would be the equivalent of the distal shield of Roth (1970).