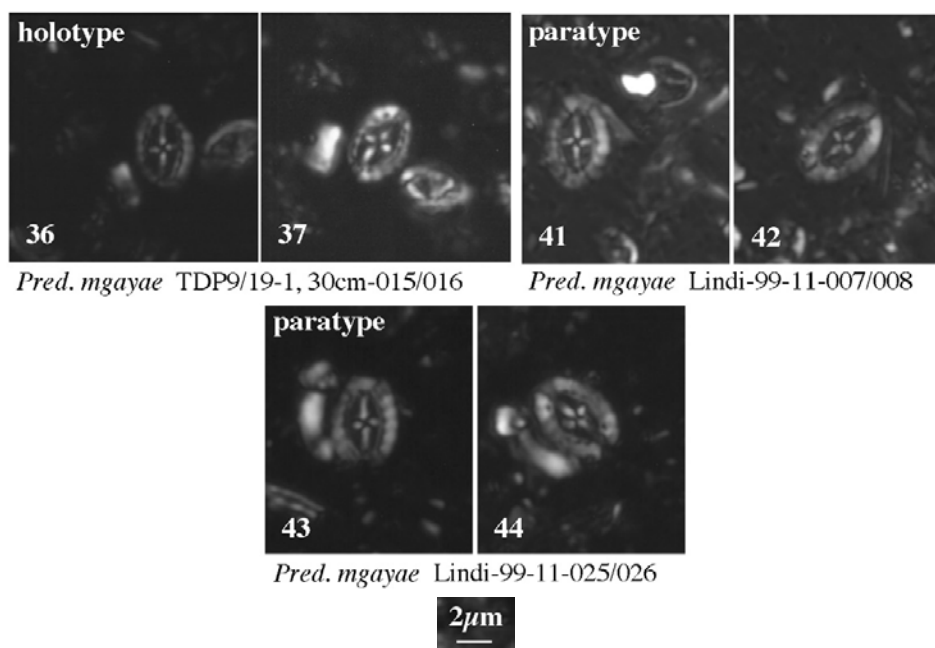


170. *Prediscosphaera mgayae* Lees (2007)



Pl. 5, figs 36, 37, 41-44

**Derivation of name:** After Mr.

Elvis Mgaya ('Mr. K') (TPDC, Dar-es-Salaam), field driver and drilling assistant on the TDP team. **Diagnosis:** A small, elliptical species of *Prediscosphaera* with a delicate axial cross and a very narrow, low-birefringence inner rim-cycle.

**Differentiation:** *P. spinosa* has a thicker, bright inner rim-cycle and a subrectangular outline. *P. stoveri* is small, with a bright inner cycle that almost fills the central area. *P. arkhangelskyi* has a distinctive cross and thick, bright inner cycle. Other species of the genus have either circular outlines or crosses at 45° to the ellipse axes.

**Holotype:** Pl. 5, figs 36, 37.

**Holotype dimensions:** L = 4.84µm, W = 3.08µm.

**Paratypes:** Pl. 5, figs 41-44.

**Type locality:** TDP9, Nangurukuru junction, SW of Singino Hill, near Kilwa Kivinje, coastal Tanzania.

**Type level:** TDP9/19-1, 30cm; UC17, Early Maastrichtian.

**Occurrence:** TDP9 and Lindi area, Early Maastrichtian (UC17).

Lees, J. A. 2007. New and rarely reported calcareous nannofossils from the Late Cretaceous of coastal Tanzania; outcrop samples and Tanzania Drilling Project Sites 5, 9 and 15. *Journal of Nannoplankton Research*, **29(1)**: 39-65.