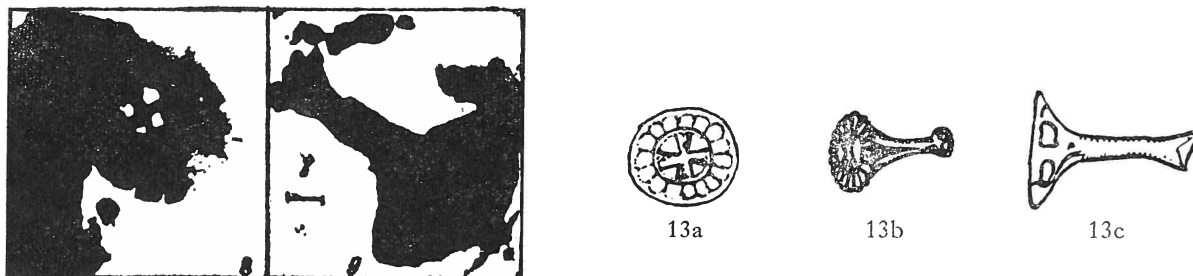


Prediscosphaera decorata VEKSHINA, 1959

1910. *Coccolithophora cretacea* ARKHANGEL'SKII. Materialy dlya Geol. Rossii
25, p. 340, Plate VI, Figs. 12, 13.



FIGS. 8, 9 — *Prediscosphaera decorata* sp. n. Original: 8) top view, 9) side view. Turgai depression, Semiozernoe, Maastrichtian, Gan'kino series. x 6000.
FIGS. 13a, b, c — *Prediscosphaera decorata* sp. n. Holotype: a) top view; b) side view. Turgai depression. Semiozernoe, Maastrichtian, Gan'kino series. x 1350.

Description:

Rhabdolith with plates differing considerably in size and a long projection, representing two mutually intersecting cross-pieces in the form of a cross, inside which (along the axis) runs a groove. The plates are ring-shaped, two-layered, the outer layer having a coarse streaking, with 8.9 streaks in 10 μ . There is a depression on the edge corresponding to each streak, as a result of which the edge is serrated. Into the opening of the plates runs a cross-shaped cross-piece which is fastened to the plates by its arms. In general the plate has the appearance of a ribbed serrated ring with a cross in the middle.

The rhabdoliths are subject to slight variation. The shape of the plate, which can sometimes be more round and sometimes more oval, varies; the cross-piece sometimes becomes considerably tapered near the proximal end, resembling a spine.

Dimensions (in μ):

	Holotype	Original 1	Original 2	Original 3
Diameter of distal plate	7.5	9	9	7.5
Diameter of proximal plate	2.5	3	—	—
Length of tube	—	—	—	7.5

Remarks:

Notes: A coccolith described by A. D. Arkhangel'skii (1910) under the name *Coccolithophora cretaceae* ARKH. is very similar to a plate of the rhabdolith *Prediscosphaera decorata*. It appears to us that this is one form, and that A. D. Arkhangel'skii did not have whole specimens of it.

Material: Whole shells are not found. Only separate rhabdoliths are preserved, most frequently in the form of severed plates without protuberances, less frequently with protuberances.

Very rarely rhabdoliths are found with plates on both ends preserved. There are two specimens of complete rhabdoliths in the collection, and hundreds of separate plates with protuberances or without them.

Type level:

Maastrichtian.

Type locality:

Turgai depression, Semiozerno, Gan'kino series, USSR.

Distribution: Maastrichtian of the Western Siberian Lowland — Uvat, Pokur, Luchinkino, Lar'yak, Zavodoukovsk, Omsk, and Barabinsk; Maastrichtian of the Turgai depression — Egingsai and Semiozerno; Senonian of the Saratov Volga region (Arkhangel'skii, 1910) and Maastrichtian of the Northern Caspian region (Novakazan key well No. 4).

Depository:

Collection of VNIGRI. Holotype: n° 3-1.

Author:

Vekshina V. N., 1959, p. 73; pl. 1, figs. 8, 9; pl. 2, figs. 13a-c.

Reference:

Coccolithophoridae in Maastrichtian deposits of the Western Siberian Lowland. Tr. Sibirsk. Nauchn.-Issled. Inst. Geol. Geofiz. i Mineraln. Syr'ya n° 2, pp. 56-77, pls. 1, 2, text-fig. 1. (Translated from Russian by Associated Technical Services, Inc., East Orange, N. J.).