Arkhangelskiella cymbiformis Vekshina, 1959

**Description:**

Discoliths elliptical in shape, often with pointed ends, concave, having a thickened edge, two-layered, of large and medium dimensions (8–12 μ on the long axis, and 6–7 μ on the short axis). The central plate is transected by four ribs, running along the axes of the ellipse. In the intervals between the ribs pores are situated. A small variation is observed in the dimensions of the coccoliths, and also in the width of the edge.

Dimensions (in μ):

<table>
<thead>
<tr>
<th></th>
<th>Holotype</th>
<th>Original 1</th>
<th>Original 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long axis</td>
<td>10</td>
<td>9.15–4.5</td>
<td>12</td>
</tr>
<tr>
<td>Short axis</td>
<td>7.5</td>
<td>7</td>
<td>3.75</td>
</tr>
<tr>
<td>Thickness of edge</td>
<td>2.0</td>
<td>1</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**Remarks:**

Similar forms are *Arkhangelskiella cymbiformis f. rara* f. n. and *Arkhangelskiella specillata* cent. n. The century described has the shape of a flat discolith, while *Arkhangelskiella cymbiformis f. rara* f. n. has that of a shallow cup. *A. specillata* cent. n. differs from *Arkhangelskiella cymbiformis* only by a larger number of rows of pores.

A. D. Arkhangel'skii (1910) gave a drawing of this form, but without a name or description.

**Material:** Hundreds of well-preserved specimens in the collection.

**Type level:**

Maastrichtian.
Type locality:
Western Siberian Lowland, Luchinkino, Gan’kino series.

Distribution: Maastrichtian of the Western Siberian Lowland - Uvat, Pokur, Luchinkino, Lar’yak, Zavodoukovsk, Omsk, and Barabinsk; Maastrichtian of the Turgai depression - Eginsai and Semiozernoe; Senonian of the Saratov Volga region (Arkhangel’skii, 1910) and Maastrichtian of the Northern Caspian region (Novokazan test well 4).

Depository:
Collection of VNIGRI. Holotype: n° 8–3a.

Author:
Vekshina V. N., 1959, p. 66; pl. 1, fig. 1; pl. 2, figs. 3a–c.

Reference: