**Braarudosphaera primula**

**Braarudosphaera primula** Black, 1973

Figs. 1, 5, 6 — *Braarudosphaera primula* sp. nov. 1) Upper Gault, Milcenhall (H.934). SM 26482. x 6,000. 5) Upper Gault, Hockwold (H.949). SM 26791. x 6,000. 6) Holotype, Upper Gault, Hockwold (H.949). SM 26787. x 8,000.

**Description:**

Diagnosis: A species of *Braarudosphaera* having a small pentagonal central opening and sectors with rounded tips.

Description: The sectors do not meet exactly in the centre, and are sufficiently off-set to leave a small pentagonal opening about half a micron in diameter. The distant ends of the sectors vary in shape, even within a single pentalith; most commonly they are smoothly rounded at the extremity, becoming straighter as the sutures are approached.

Measurements (in microns):

<table>
<thead>
<tr>
<th>Holotype: H.949</th>
<th>26787</th>
<th>d</th>
<th>r</th>
<th>a</th>
<th>pe</th>
<th>a</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>6.7</td>
<td>3.6</td>
<td>2.8</td>
<td>0.5</td>
<td>88</td>
</tr>
<tr>
<td>H.934</td>
<td>26482</td>
<td>7.3</td>
<td>4.0</td>
<td>3.2</td>
<td>0.6</td>
<td>84</td>
</tr>
<tr>
<td>H.949</td>
<td>26762</td>
<td>5.8</td>
<td>3.0</td>
<td>2.3</td>
<td>0.6</td>
<td>85</td>
</tr>
<tr>
<td></td>
<td>26791</td>
<td>6.8</td>
<td>3.7</td>
<td>2.7</td>
<td>0.6</td>
<td>81</td>
</tr>
</tbody>
</table>

*d* = diameter of the pentalith, measured as shown; *r* = radius of the pentalith, measured to the apices of the sectors; *a* = radius measured to the distant ends of the sutures between adjacent sectors; *a* = apical angle of the sectors, in degrees; *pe* = diameter of the central pore.

**Remarks:**

In some specimens the sutures have a counter-clockwise precession round the central opening; in others it is clockwise. These are presumably distal and proximal views, but otherwise there is little difference between the two surfaces of the pentalith, and it is difficult to determine which of these is in fact the distal side.
Type level:

Upper Albian.

Occurrence: Upper Albian. In the Gault at Hockwold (H.949) and Mildenhall (H.934). Not seen at other localities.

Type locality:

Gault at Hockwold (Southeastern England).

Depository:

Collection of electron micrographs at the Sedgwick Museum, Cambridge.
Holotype: SM 26787; fig. 6; from the Gault at Hockwold (H.949).

Author:

Black M., 1973, p. 91; pl. 28, figs. 1, 5, 6.

Reference: