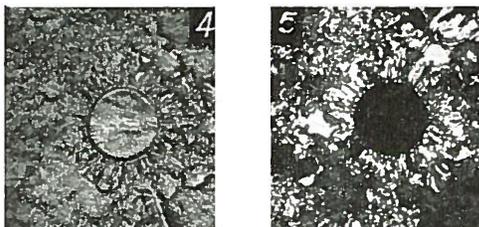


Colomisphaera ornata NOWAK, 1968



FIGS. 4-5 — *Colomisphaera ornata* n. sp.; holotype, x 300. Cieszyn Limestones without *Calpionella*. 4) one nicol, 5) crossed nicols.

Description:

Unilocular, spherical microfossils possessing tests with fibrous structure. Outer diameter of specimens 48—56 μ ; thickness of test 12—16 μ .

Remarks:

The inner layer of the test is yellowish and up to 2 μ thick, and there occur minute tubercles ca. 1 μ in size disposed in a ring. Over 1/4 of its circumference there are fifteen tubercles. On the inner side of this ring, i.e. on the side of the calcitic core, the test is bordered by a thin ring with chaotic structure dyed by a dark pigment, of a type similar to that of *C. minutissima* and other species of *Colomisphaera*. The outer surface is uneven, in the same way as in the remaining *Colomisphaerids*.

The test is white in reflected light, and glassy and colourless, excepted brownish tubercles on the inner side, in passing light; a discontinuous polarization is revealed during rotation.

Aperture has not been observed in the investigated species.

Colomisphaera ornata by its general shape and by the structure of test corresponds to the specimens belonging to *Colomisphaera* n. gen. the species most closely connected being *Colomisphaera carpathica* (BORZA). The differences consist in the presence of a ring composed of small tubercles on the inner side of test, a feature hitherto unknown in the stomiosphaerids.

Type level:

? Middle to ? Upper Tithonian. Cieszyn Limestones without *Calpionella*.

Type locality:

Jasienica, quarry near limekiln in the environs of Bielsko-Biala, Polish Cieszyn Silesia.

Depository:

Carpathian Laboratory of the State Geological Survey in Cracow, collection of thin slides, No J-444, x-16, 8, y-43,7.

Author:

Nowak W., 1968, p. 322; pl. 31, figs. 4,5.

Reference:

Stomiosphaerids of the Cieszyn Beds (Kimmeridgian - Hauterivian) in the Polish Cieszyn Silesia and their Stratigraphical Value. *Annales de la Société Géologique de Pologne*, vol. 38, n° 2-3, pp. 275-327, pls. 25-31, text-figs. 1-6.