

Late Carboniferous bryozoans from La Hermida, Spain


Andrej Ernst and Elke Minwegen

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Fifteen bryozoan species belonging to thirteen genera have been identified from an outcrop of the Picos de Europa Formation (Moscovian, Upper Carboniferous) at La Hermida in northern Spain. Three species and one genus are new—*Coscinium hermidensis* sp. nov., *Cystodictya pustulosa* sp. nov., and *Cystocladia hispanica* gen. et sp. nov. Rhabdomesid bryozoans are the most diverse order with seven species, followed by cystoporids (four species), fenestellids (three species) and trepostomids (one species). Bryozoans with erect branched or reticulate colonies dominate in the studied assemblage; only two species possess encrusting colonies. Together with associated crinoids, the bryozoan assemblage indicates a subtidal environment below the zone of vigorous water movement. The La Hermida bryozoan fauna confirms the Upper Carboniferous age of the Picos de Europa Formation and allows various biogeographical interpretations. All previously known species of the genus *Coscinium* were reported from the Lower Permian of Russia. *Clausotrypa monticola* is known from the Lower Permian of Russia and Arctic as well as from the Upper Carboniferous of Carnic Alps (Austria). *Rhabdomeson* cf. *propatulissimum* and *Penniretepora pseudotrilineata* are known from the same level of Italian Carnic Alps. *Streblotrypa* (*Streblascopora*) *nikiforovae* and *Rhombocladia punctata* are known from the Upper Carboniferous (Moscovian) of Ukraine. *Fistulipora petaloida* is known from Kasimovian Stage of Russian Plate. Several other species show connections with North America.

Key words: Bryozoa, Cystoporida, Fenestellida, Carboniferous, Picos de Europa Formation, Spain.

Andrej Ernst ae@gpi.uni-kiel.de, Institut für Geowissenschaften,
Christian-Albrechts-Universität zu Kiel, Ludewig-Meyn-Str. 10, D-24118
Kiel, Germany; Elke Minwegen minwegene@hotmail.com, Theodor-FlieBner-Str. 1a, D-51371
Leverkusen, Germany

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