ACTA PALAEONTOLOGICA POLONICA

Middle Devonian and Frasnian bryozoan fauna from the Holy Cross Mountains, Poland

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Acta Palaeontologica Polonica 71 (1), 2026: 1-17 doi:10.4202/app.01282.2025

The present paper describes a bryozoan fauna from the Devonian of Holy Cross Mountains (Poland) which includes nine species. Six species were described from the Dobruchna Member of the Skały Formation (Eifelian) of Skały section: *Cyclotrypa* sp., *Fistuliphragma gracilis, Leioclema passitabulatum, Intrapora leunisseni, Laxifenestella* sp., *Hemitrypella nodulosa*. The cryptostome species *Bigeyella indigena* was identified from the Laskowa Góra Beds (upper Givetian) of Józefka Hill at Górno. The fenestrate *Rectifenestella* sp. is described from the lower Frasnian Kowala Formation (Kadzielnia Member) of Bolechowice and Kielce. The new monotypic fenestrate genus *Juanopora elegans* gen. et sp. nov. is described from the Wietrznia Beds (upper Givetian) of Wietrznia-I quarry at Kielce. The described bryozoans show palaeobiogeographical connections to the Middle–Upper Devonian of Germany, Spain, and Armenia. The bryozoan faunas of the Holy Cross Mountains are in accordance with the worldwide acme of the sessile filter-feeding benthos during the Givetian age, followed by a two-stage decline in diversity due to the Taghanic and Frasnian crises.

Key words: Bryozoa, taxonomy, evolution, palaeobiogeography, Devonian, Poland.

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