

Turonian and Coniacian foraminifera from the Nysa Trough, Sudetes, Poland

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Turonian to Coniacian foraminifera from the Nysa Trough, Sudetes, are investigated. Totally, 55 species are recorded; 42 species in the Turonian, 49 species in the Coniacian. Most species are benthic forms. Two new species are described from the Turonian: *Dicarinella sudetica* sp. n. and *Dicarinella radwanskae* sp. n. Wall microstructure and alternation of generations are studied in the genus *Gavetinella*. Six foraminiferal zones are recognized; 4 of them in the Turonian (*Dicarinella sudetica* Zone, *Tappanina eouvigeriniformis* Zone, *Archaeoglobigerina cretacea* Zone, and *Dicarinella concavata* Zone), and the remaining 2 in the Coniacian (*Epistomina spinutifera potypioides* Zone and *Gaudryina sudetica* Zone). Changes in composition of the foraminiferal assemblages were caused by changes in water depth and presence/absence of interconnections between the basin and open sea.

Key words: Foraminifera, Turonian, Coniacian, stratigraphy, Sudetes, Poland.

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