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Priabonian foraminifers of the Polish Lowlands

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Warm-water foraminifer assemblages indicate that the area of the Polish Lowlands have been situated within the extend of influences of the Mediterranean province in the Priabonian. The paper presents a first attempt to summarize the avaluable data on influences of that province in the extra-Carpathian Poland. The stratigraphic setting of the described species and ecological and bathymetric conditions in the basin are reconstructed on the basis of comparisons with coeval assemblages of the same type from other countries and correlation with nannoplankton datings. The migration of warm water species from areas adjoining the Carpathian geosyncline far to the north are explained as due to tectonic pulses of the Pyrenean phase of the Alpine orogeny. The foraminifer microfauna appears clearly different in character from the coeval one from Northern Poland (Leba Elevation and Puck Embayment).

Key words: Foraminifers, micropaleontology, ecology, paleogeography, Priabonian, Polish Lowlands.

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