

## Megaspores of Polish Buntersandstein and their stratigraphical significance

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The results of investigations of the biostratigraphy of Polish Buntersandstein, on the base of megaspores, are presented. Samples were taken from four borings, three in the North-East and one in Central Poland. 39 megaspore species belonging to 15 genera are described. Of these, 29 species and one genus are new. The abundance and variability of megaspores in vertical profile enabled the author to distinguish three index megaspore assemblages (I, II, III). A new stratigraphic and palaeogeographic interpretation of Bunter, based on megaspores and lithological development, is given.

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