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The first Late Jurassic elcanid orthopteran from Poland and its palaeoecological implications

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The elcanid ?*Panorpidium polonicum* Michalska sp. nov. is described based on a single tegmen from the Tithonian (Upper Jurassic) Kcynia Formation at the Owadów-Brzezinki quarry, central Poland. This specimen represents the first record of the family Elcanidae, and the first Late Jurassic orthopteran fossil found in Poland. Venational characters allow tentative assignment to *Panorpidium*, extending the stratigraphic range of the genus into the Upper Jurassic and making ?*Panorpidium polonicum* Michalska sp. nov. the oldest known species of the genus. This find provides new evidence for the palaeobiogeographic distribution of elcanids and contributes to the sketchy background of the enigmatic superfamily Elcanoidea. It also highlights the importance of the Owadów-Brzezinki site for understanding Late Jurassic arthropod diversity.

Key words: Insecta, Orthoptera, Elcanidae, Upper Jurassic, Owadów-Brzezinki quarry.

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