A microvertebrate assemblage from the Early Triassic of Poland

Magdalena Borsuk-Białynicka, Elizabeth Cook, Susan E. Evans, and Teresa Maryańska

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The Early Triassic microvertebrate assemblage from karst deposits of Czatkowice quarry, Kraków Upland, Poland, has been dated as of latest Olenekian age at youngest. The assemblage contains mainly small reptiles: three to four possible genera of procolophonids, a small predatory archosaur of proterosuchid or pre-proterosuchid grade, a prolacertiform, and one or two genera attributable to Lepidosauromorpha, one of them, very small, being a possible stem-lepidosaurian. Furthermore there are some less numerous amphibians, including the first European salientian (stem-frog) Czatkobatrachus polonicus Evans & Borsuk-Bialynicka, 1998, as well as fishes. The bones are disarticulated but fairly well preserved. The assemblage provides a glimpse of the Early Triassic diversity of small taxa, otherwise poorly known, and has a considerable potential in highlighting the earliest phylogeny of such groups as lepidosauromorphs and salientians which are virtually unknown from other roughly contemporaneous horizons. The Czatkowice microvertebrate community appears to have lived under the mesic conditions of a freshwater oasis within the otherwise arid circumequatorial belt of Scythian Northern Pangea.

Key words: Archosauromorpha, Lepidosauromorpha, Lissamphibia, microvertebrates, Poland, Procolophonida, Scythian, Triassic.

Magdalena Borsuk-Bialynicka [borsuk.b@twarda.pan.pl], Institut Paleobiologii PAN, ul. Twarda 51/55, PL-00-818 Warszawa, Poland. Elizabeth Cook [Liz.Cook@bristol.ac.uk], Department of Earth Sciences, Wills Memorial Building, University of Bristol, Queen's Road, Bristol, BS8 1RT, England. Susan E. Evans [ucgasue@ucl.ac.uk], Department of Anatomy and Developmental Biology, University College London, Gower Street, London, WC1E 6BT, England. Teresa Maryańska [mzpaleo@warman.com.pl], Muzeum Ziemi PAN, al. Na Skarpie 20/26, PL-00-488 Warsawa, Poland.

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