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The new stem-group brachiopod *Oymurania* from the lower Cambrian of Siberia

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A stem-group brachiopod, *Oymurania gravestocki* Ushatinskaya gen. et sp. nov. is described herein from the middle Atdabanian–lower Botoman Stages (~Cambrian Stage 3) of the Siberian Platform. The fossils were extracted from limestone beds of the Emyaksin, Perekhod, and Pestrotsvet formations as assemblages of disarticulated orthoconic to cyrtoconic porous shells in apatite preservation. The originally organophosphatic shells of *Oymurania* are externally similar to mitral sclerites (ventral valves) of the stem-group brachiopod *Micrina* , although no sellate-like sclerites, nor differentiated subapical area with apophyses were recognised in our material. The range of *Oymurania* shells with subcentral to posteromarginal apex is similar to that of ventral valves of *Mickwitzia*. *Oymurania* is also characterised by the system of radial and orthogonal canals open in pairs or triplets in small depressions or indentations of growth lamellae in the outer shell surface. The orthogonal (*Micrina–Setatella* type) and radial (horizontal setigerous tubes) canals are widespread among the early Cambrian stem-group brachiopods, such as *Micrina, Mickwitzia,* and *Setatella*. In addition to these canals, *Oymurania* exhibits a well-developed acrotretoid columnar microstructure, also known from *Setatella*. A broad subapical platform in cyrtoconic shells (presumably ventral valves) of *Oymurania* is interpreted homologous to the deltoid area in mitrals of *Micrina* and pseudointerarea/interarea in ventral valves of *Setatella* /paterinid brachiopods. Except with probable cell imprints and openings of orthogonal canals, no morphological differentiation was, however, reflected by the shell interior of *Oymurania gravestocki* . Being closely related to tannuolinids and mickwitziids, *Oymurania* complements the picture of diversification of the early Cambrian stem-group brachiopods that occurred in parallel with radiation of paterinids and other crow-group brachiopods on the Siberian Platform and worldwide.

Key words: Brachiopoda, *Oymurania, Mickwitzia, Micrina, Setatella*, Cambrian, Siberia.

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