Conodonts from the Kapp Starostin Formation (Permian) of Spitsbergen

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Sixteen morphologic forms of conodonts are described from four sections of Kapp Starostin Formation of Spitsbergen. One new genus and two new species are established (Sweetocristatus arcticus gen.n., sp.n., Neostreptognathodus svalbardensis sp.n.). The assemblage is considered to be stratigraphically corresponding to that one known from the Upper Leonardian and Lower Roadian of western United States. Affinity of Neostreptognathodus to Adetognathus and Idiognathodus is suggested and hypothetical multielement apparatus of the genus is presented. Two distinct conodont biofacies in Kapp Starostin Formation are defined and their depositional environment is discussed.

Key words: Conodonts, Permian, Spitsbergen, stratigraphy.

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