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SUPPLEMENTARY ONLINE MATERIAL FOR

**An early Cambrian fauna of skeletal fossils from the Emyaksin Formation,  
northern Siberia**

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SOM 1. Results of carbon isotope analysis from sections 1 and 7, Emyaksin Formation.  
[http://app.pan.pl/SOM/app60-Kouchinsky\\_etal\\_SOM/SOM\\_1.xls](http://app.pan.pl/SOM/app60-Kouchinsky_etal_SOM/SOM_1.xls)

SOM 2. Occurrence of taxa in samples. Sections 1, 3, 6, 7.  
[http://app.pan.pl/SOM/app60-Kouchinsky\\_etal\\_SOM/SOM\\_2.xls](http://app.pan.pl/SOM/app60-Kouchinsky_etal_SOM/SOM_2.xls)

SOM 3. List of hyoliths reported by Val'kov (1975, 1987) from the Malaya Kuonamka and  
Bol'shaya Kuonamka sections discussed herein.

SOM 4. Worldwide occurrence of taxa discussed here.  
[http://app.pan.pl/SOM/app60-Kouchinsky\\_etal\\_SOM/SOM\\_4.xls](http://app.pan.pl/SOM/app60-Kouchinsky_etal_SOM/SOM_4.xls)

SOM 3.

**List of hyoliths reported by Val'kov (1975, 1987) from the Malaya Kuonamka and Bol'shaya Kuonamka sections discussed herein**

Orthothecids:

*Allatheca corrugata* Missarzhevsky in Rozanov *et al.* 1969 (?=*Allatheca anabarica* Val'kov, 1975); *A. degeeri* (Holm, 1893); *Eonovitatus abnormis* (Val'kov, 1975); *Gracilitheca bayonet* (Matthew, 1899); *G. ternata* Sysoev, 1968; *G. excavata* (Holm, 1893); *G. gratuita* Val'kov, 1987; *Lenatheca groenlandica* (Poulsen, 1932); *Mooritheca julegirica* Val'kov, 1975; *Novitatus laevis* Sysoev, 1968; *N. lermontovi* Sysoev, 1968; *Obliquatheca aldanica* (Sysoev, 1960); *O. acostae* Sysoev, 1968; *O. bicostata* (Missarzhevsky in Rozanov *et al.* 1969); *O. pulchella* Val'kov, 1975; *Spinulitheca secunda* Sysoev, 1968; *Tchuranitheca curvata* Sysoev, 1968; *Tetratheca clinisepta* (Sysoev, 1960); *T. hexagona* Sysoev, 1968; *T. pentagona* Sysoev, 1968; and *Turcutheca crasseocochlia* (Sysoev, 1962).

Orthothecids (from carbonate concretions of the basal part of the Kuonamka Formation, after Val'kov, 1975, p. 28):

*Orthotheca affina* Holm, 1893 (according to Malinky and Berg-Madsen (1999, p. 53), representing *Decoritheca affinis* (Holm, 1893).

Hylolithids:

*Burithes cuneatus* Missarzhevsky in Rozanov *et al.* 1969; *B. distortus* (Sysoev, 1962); *B. erum* Missarzhevsky in Rozanov *et al.* 1969; *Crestjahitus figuratus* (Missarzhevsky in Rozanov *et al.* 1969); *Doliutus inflatus* (Sysoev, 1962); *Grandicornus validus* Sysoev, 1968; *Notabilitus orientalis* Sysoev, 1968; *Oblisicornus dupleconcavus* Sysoev, 1968; *O. tetraconcavus* Sysoev, 1968; *O. compositus* Sysoev, 1968; *Trapezovitus sinscus* Sysoev, 1958; and *T. multicostatus* (Sysoev, 1968).

Hyolithids (from carbonate concretions of the basal part of the Kuonamka Formation, after Val'kov, 1975, p. 28):

*Galicornus seeneus* Val'kov, 1975; *G. anabarus* Val'kov, 1975; *G. lenaicus* Val'kov, 1975;  
*Kuonamkicornus gracilis* Val'kov, 1975; *K. tenuis* Val'kov, 1975.

## **References**

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