**УДК 551.7/.8**
**ББК 26.33**
**О-72**

**Ответственный редактор**
**Данис К. Нургалиев**

**Научные редакторы:**
**Александр С. Алексеев;**
**Владимир В. Силантьев;**
**Светлана В. Николаева**

**Технические редакторы:**
**Миляуша Н. Уразаева;**
**Оксана Ю. Васильева**

**О-72** **Осадочные планетарные системы позднего палеозоя: стратиграфия, геохронология, углеводородные ресурсы** [Электронный ресурс]: сборник тезисов Международной стратиграфической конференции Головкинского 2019 (24-28 сентября 2019 г., Казань, Россия). – Электрон. сетевые данные (1 файл: 19 440 КБ). – Казань: Издательство Казанского университета, 2019. – 329 с. – Систем. требования: Adobe Acrobat Reader. – Режим доступа: http://dspace.kpfu.ru/xmlui/bitstream/handle/net/151929/golovkinsky2019.pdf. – Загл. с титул. экрана.

Международная конференция посвящена проблемам девонской, каменноугольной и пермской планетарных систем, стратиграфическим событиям, эволюции биоты, седиментационным бассейнам и полезным ископаемым.

**УДК 551.7/.8**
**ББК 26.33**

**UDC 551.7/.8**
**LBC 26.33**
**L36**

**Editor-in-Chief**
**Danis K. Nurgaliev**

**Scientific editors:**
**Alexander S. Alekseev;**
**Vladimir V. Silantiev;**
**Svetlana V. Nikolaeva**

**Technical editors:**
**Milyausha N. Urazaeva;**
**Oksana Yu. Vasilieva**

**L36** **Late Paleozoic Sedimentary Earth Systems: Stratigraphy, Geochronology, Petroleum Resources**: Abstract Volume of Kazan Golovkinsky Stratigraphic Meeting 2019 (September 24-28, 2019, Kazan, Russia). – Kazan: Kazan University Press. – 329 p.

The International Stratigraphic Meeting is dedicated to the Devonian, Carboniferous and Permian Earth systems, stratigraphic events, biotic evolution, sedimentary basins and resources.

**UDC 551.7/.8**
**LBC 26.33**

# Permian and Triassic conchostracans from the Babii Kamen section (Western Siberia)

Veronika V. Zharinova, Vladimir V. Silantiev
Kazan Federal University, Kazan, Russia; vevzharinova@kpfu.ru

The Babii Kamen section is one of the best place to study Permian and Triassic flora and fauna. This section is located in the Kuznetsk Coal Basin, on the right bank of the Tom River, 45 km downstream from Novokuznetsk.

The deposits of the Babii Kamen section consist of the Tailugan and Maltsevo formations (Fm). The Tailugan Fm is assigned to the Permian and the Maltsevo Fm is assigned to the Triassic. The Maltsevo Fm consists of the Tarakanikha, Barsuchii, Kedrovii and Ryaboi Kamen members (Mb).

A large collection of conchostracans was sampled from the Babii Kamen section during field works from 2015 to 2018. Conchostracans occur in the upper layers of the Tailugan Fm and the Tarakanikha Mb, Kedrovii Mb and Ryaboi Kamen Mb of the Maltsevo Fm.

Mass occurrences of *Pseudestheria novacastrensis* (Mitchell, 1927) were found in the upper beds of the Tailugan Fm and in the Tarakanikha Mb and Kedrovii Mb of the Maltsevo Fm. *P. novacastrensis* is known from the Permian deposits of the Siberian Platform (the Yenisei River and the Nizhnyaya Tunguska River), the East European Platform, the Pechora Basin and Australia (Mitchell, 1927; Raymond, 1946; Novojilov, 1950).

The increasing diversity of conchostracans is well observed in the upper part of the Maltsevo Fm (Kedrovii Mb and Ryaboi Kamen Mb).

The species *Cornia papillaria* Lutkevich, 1937 occurs in the Kedrovii Mb of the Maltsevo Fm. This species was first described from the Tailugan Fm and is also found in the Permian deposits in the Kuznetsk Coal Basin (Molin & Novojilov, 1965; Novojilov, 1970).

The species *Megasitum harmonicum* Novojilov, 1970 and *Megasitum lopokolense* (Novojilov, 1970) were found in the Kedrovii Mb of the Maltsevo Fm. These species occur in the Upper Permian deposits in the Nizhnyaya Tunguska River basin (Novojilov, 1970).

A single sample of *Echinolimnadia mattoxi* Novojilov, 1965 was found in the Kedrovii Mb of the Maltsevo Fm. Mass occurrence of this species was also discovered in the Ryaboi Kamen Mb. This species was first described from the Upper Permian sediments of the Nizhnyaya Tunguska River basin and Kuzbass (Novojilov, 1968; 1970).

The species C*oncherisma tomensis* Novojilov, 1958 was found in the Kedrovii Mb of the Maltsevo Fm. Additionally, this species occurs in the Lower Triassic deposits of Kuzbass and Taimyr (Molin & Novojilov, 1965; Novojilov, 1970).

The most important occurrence for biostratigraphy is that of the species *Cyclotunguzites gutta* (Lutkevich, 1938) in the upper layers of the Maltsevo Fm (the Kedrovii Mb and Ryaboi Kamen Mb). This species is known from Lower Triassic deposits in the Pechora Basin, Siberia, and China (Molin & Novojilov, 1965; Chu et al., 2019; Zharinova & Silantiev, 2018).

The species C*oncherisma tomensis* and *Cyclotunguzites gutta* makes it possible to assign the upper part of the Maltsevo Formation to the Early Triassic. The occurrence of the Permian and Triassic conchostracans from the Babii Kamen section in the sediments of Eastern Europe, Siberia, China and Australia demonstrates the high importance of this group for biostratigraphy and correlations.

**Acknowledgments**

The authors extend thanks to employees of the Paleontological Institute of the Russian Academy of Sciences for assistance with a sampling.

This work was funded by the subsidy allocated to Kazan Federal University for the state assignment no. 5.2192.2017/4.6 in the sphere of scientific activities and was partly supported by the Russian Government Program of Competitive Growth of Kazan Federal University.

**References**

Chu, D. Tong, J., Benton M. J., Yu J., Huang Y. (2019). Mixed continental-marine biotas following the Permian-Triassic mass extinction in South and North China. Palaeogeography, Palaeoclimatology, Palaeoecology, 519, pp. 95–107.

Mitchell J. (1927). The Fossil Estheria of Australia. In Proceedings of the Linnean Society of New South Wales, 52, pp. 210–214.

Mogucheva N. K. (1989). Granica permi i triasa v kontinentalnyh tolshchah Srednej Sibiri. In Yarusnye I zonalnye shkaly borealnogo mezozoya SSSR. Nauka, p. 20–24.

Molin V. A., Novojilov, N. I. (1965). Dvustvorchatye listonogie permi i triasa severa SSSR. Nauka, Moskva, p. 116.

Novojilov N. I. (1950). Recueil D'Articles sur les Phyllopodes Conchostraces. Nauka, Moskva, pp. 128.

Novozhilov N. I., Kapelka V. (1968). Nouveaux conchostraces de Siberie. Annales de paleomtologie, Paris, pp. 109–129.

Novojilov N. I (1970). Vymershie limnadioidei. Nauka, Moskva, p. 249.

Raymond E. (1946). The Genera of Fossil Conchostraca – an Order of bivalve Crustacea. Bulletin of the Museum of comparative Zoology at Harvard College, 96 (3), pp, 218–276.

Zharinova V. V., Silantiev, V. V. (2018). O rannetriasovyh konkhostrakah Pechorskoj sineklizy. In Godichnoe sobranie (nauchnaya conferentsiya) sektsii paleontologii MOIP moskovskogo otdeleniya paleontologicheskogo obshchestva pri RAN (Alekseev, A.S., Eds.), pp. 30–31.