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To memory of Daniil Sergeevich Aristov (1979–2022): biography and list of publications

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FIGURE 1. Dr Daniil S. Aristov (27.1.1979–3.10.2022)

On October 3, 2022, at the age of 43, the leading researcher of the Arthropod Laboratory of the Paleontological Institute of the Russian Academy of Sciences, Doctor of Biological Sciences Daniil Sergeevich Aristov (Figs 1, 2) died suddenly. He was born on January 27, 1979 in the city of Perm (former USSR) in a family of scientists. His father, Doctor of Physical and Mathematical Sciences Sergey Nikolayevich Aristov, worked as a chief researcher at the Ural Branch of the Russian Academy of Sciences, and his mother, Tatyana Aleksandrovna Aristova, was a linguist engineer and was engaged in scientific translation. As a child, Daniil was interested in biology, read a lot of popular science literature, and his favorite

author was Gerald Malcolm Durrell. Daniil was a creative person: while studying at school, he went to the children's painting studio and the creative workshop "Woodcarving" and participated with his works in exhibitions in Perm and other cities of Russia.

After graduating from school in 1996, Daniil entered the Perm State University, Faculty of Biology. During his studies, he became interested in paleontology and, under the guidance of Ph.D. Viktor Grigoryevich Novokshonov began to study fossil insects. His first article was published in 1998, and during his studies at the university he published 10 scientific papers. In senior years, Daniil received the State Science grant for gifted



FIGURE 2. Dr Daniil S. Aristov in his laboratory.

young scientists of Russia of 2000–2003 and the Diploma of the International George Soros Science Education Program of 1999 and 2000.

In 2001–2004 D.S. Aristov was a postgraduate student at the Paleontological Institute of the Russian Academy of Sciences (Moscow). At that time, he intensively studied Permian grylloblattids and in 2005 successfully defended his PhD titled “Permian stage of historical development of grylloblattid insects (Insecta; Grylloblattida)”.

From 2004 to 2022 Daniil Aristov worked as a researcher at the PIN RAS and devoted himself to the study of lower Gryllones insects—several Paleozoic orders with a very poorly developed system. Thanks to his amazing dedication and hard work, he managed to develop their system almost anew, describe and publish almost all available material on Gryllones, and substantiate the identification of three new orders of insects. He successfully defended his doctoral thesis titled “Early evolution of primitive grillon insects (Insecta: Gryllones)” in 2017. The abstract of this work is available at the following link: <https://www.paleo.ru/upload/medialibrary/ae3/ae3bac519471ffa73d3b4c86305cfbc0.pdf>

In total, Daniil described 429 species, 187 genera and 18 families and subfamilies of fossil insects, mainly primitive Gryllones (= Polyneoptera). Most of the genera and species described by him belong to three orders: Eoblattida, Reculida and Cnemidolestida, the composition and diagnosis of which was developed by him. In the first of these orders, he established 5 families new to science, in the second—2 new families and 2 subfamilies, and in the third—7 families and one suborder. In fact, he created a new system of basal Gryllones. Daniil was also fruitfully engaged in the study of other fossil groups. Thus, in the order Palaeomanteida (= Miomoptera) he described 1 family, 9 genera and 26 species new to science, in the order Trichoptera—3 genera and 14 species, in the order Ephemeroptera—3 genera and 4 species, in the order Hypoperlida—4 genera and 12 species. And this list can be continued.

Daniil is the author of 162 scientific publications, the list of which is given below.

In addition to taxonomic work, he paid great attention to the study of the composition and abundance of insect remains in a number of large Paleozoic localities and, in

general, to the dynamics of the abundance of Paleozoic insects. Under his leadership, an important collective monograph on the Middle and Late Permian insects of European Russia was prepared and published (number 91 in the List of publications) with a review of the localities and stratigraphy of insect-bearing deposits, a description of many fossil insects and an analysis of their dynamics, with the participation of a large number of specialists from Russia and other countries. This work, among other things, showed the absence of a catastrophic extinction of insects at the turn of the Permian and Triassic. It formed the basis of a broader analysis of insect biodiversity, which showed a completely different course of dynamics than expected (see numbers 83, 85, 108, 114, 117 in the List of publications). It turned out that the cause of the crisis

in insects was not a catastrophic extinction at the turn of the Permian and Triassic, but the inhibited emergence of new groups during the entire second half of the Permian. The result of the deep depletion of the fauna was the restructuring of biocenoses, which ensured a new rapid growth of biodiversity from the Triassic to the present. Daniil also took part in many expeditions to collect fossil insects, conducted by PIN RAS in Russia.

Undoubtedly, Daniil Sergeevich Aristov will go down in history as a scientist who made a significant contribution to paleoentomology. The memory of Daniil as a recognized specialist in paleontology, a talented draftsman and wood carver, a kind and sympathetic person will forever remain in the hearts of friends and colleagues.

Appendix 1

List of publications of Daniil S. Aristov

1. Aristov, D.S. (1998) A new species of the Permian genus *Kungurmica* (Grylloblattida: Permibiidae). *Far Eastern Entomologist*, 65, 15–16.
2. Storozhenko, S.Yu. & Aristov, D.S. (1999) New genus of the family Liomopteridae (Insecta: Grylloblattida) from Lower Permian of Russia. *Far Eastern Entomologist*, 76, 6–8.
3. Aristov, D.S. (1999) *Ornaticosta tshekardensis* n. sp., the first representative of the Liomopteridae (Insecta: Grylloblattida) from Lower Permian of Chekarda (Ural). *Neues Jahrbuch für Geologie und Paläontologie—Monatshefte*, 12, 725–727. <https://doi.org/10.1127/njgpm/1999/1999/725>
4. Novokshonov, V.G. & Aristov, D.S. (1999) Grylloblattids of the genus *Sylvaella* (Insecta: Grylloblattida) from the Lower Permian of Chekarda. *Perm State University Herald, Ser. Geology*, 3, 109–114. [In Russian]
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Appendix 2

List of current taxa authored/coauthored by Daniil S. Aristov

As of this date, we have recorded 429 species, 187 genera, 18 family-group and one order names established by Daniil (**boldfaced**), all of which are insects, all extinct and therein most are basal Gryllones (= Polyneoptera), viz., orders Eoblattida, Cnemidolestida and Reculida.

Class Insecta Linne, 1758

Order Ephemeroptera Linne, 1758

- †*Misthodotes visherensis* Novokshonov, Ivanov & Aristov, 2002
- †*Ponalex maximus* Sinitshenkova & Aristov, 2012
- †*Triassolitophlebia palegica* Sinitshenkova & Aristov, 2015
- †*Palegonympa triassica* Sinitshenkova & Aristov, 2015

Order Blattinopsida Bolton, 1925

- †*Blattinopsis indefinitus* Rasnitsyn & Aristov, 2021
- †*Glaphyrophlebia borea* Aristov, Rasnitsyn & Naugolnykh, 2021
- †*Glaphyrophlebia glinka* Aristov, Rasnitsyn & Naugolnykh, 2022
- †*Glaphyrophlebia iva* Aristov & Rasnitsyn, 2021
- †*Glaphyrophlebia kamaensis* Aristov & Rasnitsyn, 2022
- †*Glaphyrophlebia komia* Aristov, Rasnitsyn & Naugolnykh, 2021
- †*Glaphyrophlebia popasnaya* Aristov & Rasnitsyn, 2022
- †*Glaphyrophlebia rara* Aristov & Rasnitsyn, 2022
- †*Glaphyrophlebia semipenna* Aristov, Rasnitsyn & Naugolnykh, 2022
- †*Glaphyrophlebia vaga* Aristov & Rasnitsyn, 2022
- †*Glaphyrophlebia vorkutensis* Aristov, Rasnitsyn & Naugolnykh, 2021

Order Caloneurida Handlirsch, 1906 (= Caloneuroidea)

- †*Isadistica issada* Rasnitsyn & Aristov, 2013
- †*Isadistica longa* Rasnitsyn & Aristov, 2013

Order Hypoperlida Martynov, 1928

- †*Graticladus apitatus* Aristov & Rasnitsyn, 2015
- †*Graticladus severus* Novokshonov & Aristov, 2004
- †*Idelopsocus incommendatus* Novokshonov, Ivanov & Aristov, 2002
- †*Idelopsocus mutovinus* Rasnitsyn & Aristov, 2013
- †*Jarmilacladus? patiens* Rasnitsyn & Aristov, 2013
- †*Jarmilacladus variabilis* Rasnitsyn & Aristov, 2004
- †*Strephoneura pallida* Novokshonov & Aristov, 2004
- †*Strephoneura tenebrosa* Novokshonov & Aristov, 2004
- †*Strephoneura vasta* Novokshonov & Aristov, 2004
- †*Strephoptilus borealis* Rasnitsyn & Aristov, 2013
- †*Strephoptilus longus* Rasnitsyn & Aristov, 2013
- †*Tshekardocladus sparsus* Rasnitsyn & Aristov, 2015

Order Mischoptera Handlirsch, 1906 (= Megasecoptera)

- †*Aspidothorax permianus* Sinitshenkova & Aristov, 2020
- †*Issadohymen ponomarenkoi* Rasnitsyn & Aristov, 2013

Psocidea order indet. (fam. **Tshekarcephalidae** Novokshonov & Rasnitsyn, 2000)

- †*Tshekarcephalus sojanensis* (Aristov, 1990)

Order Homoptera Leach, 1815

- †*Parapryg alogus* Aristov & Rasnitsyn, 2014

Order Palaeomanteida Handlirsch, 1906 (= Miomoptera)

- †*Visheriferidae* Novokshonov, Ivanov & Aristov, 2002
- †*Balymotikha deterior* Rasnitsyn & Aristov, 2013
- †*Epimastax mutovinensis* Rasnitsyn & Aristov, 2013
- †*Epimastax tshepanikha* Rasnitsyn & Aristov, 2013
- †*Issapaloptera infracta* Rasnitsyn & Aristov, 2013
- †*Miomatoneurella? rossoshana* Rasnitsyn & Aristov, 2013
- †*Neembia ampla* Rasnitsyn & Aristov, 2013
- †*Onthomastax coprinus* Rasnitsyn & Aristov, 2013
- †*Parasheimia kazanica* Aristov & Rasnitsyn, 2008
- †*Parasheimia rotundata* Aristov, 2004
- †*Parasheimia truncata* Aristov, 2004
- †*Permosialis bayda* Rasnitsyn & Aristov, 2022

- †*Permosialis belebei* Rasnitsyn & Aristov, 2022
- †*Permosialis martynovae* Aristov & Rasnitsyn, 2023
- †*Permosialis udmurtensis* Rasnitsyn & Aristov, 2013
- †*Permosialis vizzya* Aristov et Rasnitsyn, 2023
- †*Permosialis zavialovensis* Rasnitsyn & Aristov, 2013
- †*Permosialis vizzya* Aristov et Rasnitsyn, 2023
- †*Pseudsheimia alligans* Aristov & Rasnitsyn, 2008
- †*Pseudsheimia caudata* Aristov, 2004
- †*Pseudsheimia caudissima* Aristov & Rasnitsyn, 2008
- †*Sheimia tshekardensis* Aristov, 2004
- †*Soyanembia sharovi* Aristov & Rasnitsyn, 2008
- †*Soyania logica* Aristov & Rasnitsyn, 2008
- †*Trideloxytrum? indebitum* Rasnitsyn & Aristov, 2013
- †*Visherifera camura* Novokshonov, Ivanov & Aristov, 2002
- †*Visherifera sylvaensis* Aristov, 2004

Order Jurinida M. Zalesky, 1928 (= Glosselytrodea)

- †*Eoglosselytrum biarmicum* Rasnitsyn & Aristov, 2013
- †*Eoglosselytrum? kulchumovense* Rasnitsyn & Aristov, 2013
- †*Isadelytrum? planum* Rasnitsyn & Aristov, 2013
- †*Isadelytrum speciosum* Rasnitsyn & Aristov, 2013
- †*Karajurina? desperata* Rasnitsyn & Aristov, 2013

Order Panorpida Latreille, 1802 (= Mecoptera)

- †*Mesopanoropes mostovskii* Novokshonov, Sukacheva & Aristov, 2004

Order Trichoptera Kirby, 1813

- †*Aniburia hirta* Sukatsheva & Aristov, 2022
- †*Baissoferus elegans* Sukatsheva & Aristov, 2022
- †*Burimodus novus* Sukatsheva & Aristov, 2020
- †*Cladochorista issadica* Sukatsheva & Aristov, 2013
- †*Cladochoristella ryzhkovae* Sukatsheva & Aristov, 2013
- †*Juraphilopotamus callidus* Sukatsheva & Aristov, 2020
- †*Juraphilopotamus heteroclitus* Sukatsheva & Aristov, 2022
- †*Kamopanorpa maculata* Sukatsheva & Aristov, 2013
- †*Kamopanorpa tshepanikhensis* Sukatsheva & Aristov, 2013
- †*Multimodus amplus* Sukatsheva & Aristov, 2020
- †*Pardoferus vitimicus* Sukatsheva & Aristov, 2022
- †*Prorhyacophila rasnitsyni* Sukatsheva & Aristov, 2013
- †*Purbimodus parvulus* Sukatsheva & Aristov, 2020
- †*Purbimodus khramovi* Sukatsheva & Aristov, 2021

Order Perlida Latreille, 1802 (= Plecoptera)

- †*Palaeonemoura issadensis* Sinitshenkova & Aristov, 2010
- †*Palaeotaeniopteryx laeta* Sinitshenkova & Aristov, 2010
- †*Palaeotaeniopteryx triternata* Sinitshenkova & Aristov, 2010

Order Embiida Burmeister, 1839 (= Embioptera)

- †*Alexarasnia limbata* Aristov, 2016
- †*Madygembia rasnitsyni* Aristov & Storozhenko, 2021
- †*Nestorembia shcherbakovi* Aristov, 2016

Order Blattida Latreille, 2002 (= Blattodea)

- †*Mutoviidae* Vršanský & Aristov, 2012
- †*Grant viridifluvius* Aristov, 2018
- †*Mutovia intercalaria* Vršanský & Aristov, 2012
- †*Phyloblatta vrsanskýi* Aristov, 2015
- †*Pozabudnutie* Vršanský, Hinkelman & Aristov, 2022
- †*Pozabudnutie anakitensis* Vršanský & Aristov, 2022
- †*Taublatta yaga* Aristov, 2019

Order Termitida Latreille, 1810 (+ Isoptera)

- †*Mastotermes nepropadyom* Vršanský & Aristov, 2014
- †*Santonitermes transbaikalicus* Vršanský & Aristov, 2014

Order Phasmatida Leach, 1815

- †*Arachnophasma scurra* Aristov & Rasnitsyn, 2015

Order Orthoptera Olivier, 1789

- †*Sylvoedischia circummaculosa* (Aristov, 2005)
- †*Vologoptera maculosa* Aristov, 2009

- Order Eoblattida Handlirsch, 1906
- †**Babalidae** Aristov, 2020
- †**Batkentakidae** Aristov, 2022
- †**Doubraviidae** Aristov, 2015
- †**Permopectinidae** Aristov, 2005
- †**Soyanopteridae** Aristov, 2011
- †**Abbrevikhosara ovoidea** Aristov, 2013
- †**Acropermula** Aristov & Storozhenko, 2011
- †**Alekhosara reticulata** Aristov, 2008
- †**Anakitala intermittens** Aristov, 2021
- †**Babakhosara mediana** Aristov, 2020
- †**Babala aba** Aristov, 2020
- †**Baharellinus arctous** Aristov, 2020
- †**Baharellinus dilaceratus** Aristov, 2013
- †**Baharellinus elegans** Aristov, 2021
- †**Baharellinus orenburgensis** Aristov, 2022
- †**Baharellinus porrectus** Aristov, 2013
- †**Baharellinus umbrosus** Aristov, Grauvogel-Stamm & Marchal-Papier, 2011
- †**Baharellinus vasilenkoi** Aristov, 2020
- †**Batkentak intactus** Aristov, 2015
- †**Belebeus mutilus** Aristov, 2019
- †**Belebey mutilus** Aristov, 2015
- †**Belmophenopterum pectinatum** Rasnitsyn & Aristov, 2004
- †**Belmophenopterum rasnitsyni** Rasnitsyn & Aristov, 2021
- †**Blattokhasara minuscula** (Aristov, 2008)
- †**Carbonokata storozhenkoi** Aristov, 2013
- †**Chelopteron ultimum** Aristov & Rasnitsyn, 2015
- †**Costatovibrata similis** Aristov, 2011
- †**Cucullistriga cucullata** Aristov & Rasnitsyn, 2012
- †**Dorniella apectinata** Aristov, Grauvogel-Stamm & Marchal-Papier, 2011
- †**Dorniella diluta** Aristov, Grauvogel-Stamm & Marchal-Papier, 2011
- †**Dorniella elcanoides** Aristov, Grauvogel-Stamm & Marchal-Papier, 2011
- †**Dorniella ovalis** Aristov, Grauvogel-Stamm & Marchal-Papier, 2011
- †**Elmocladus strictus** (Carpenter, 1976)
- †**Elmonympha carpenteri** Aristov, 2019
- †**Embigrillus shcherbakovi** Aristov, Grauvogel-Stamm & Marchal-Papier, 2011
- †**Euryptilodes commatulus** Aristov, 2004
- †**Evenkiophlebia collucata** Aristov, 2013
- †**Griphopteron iya** Aristov, 2018
- †**Iblatta atrepida** Aristov, 2018
- †**Idelina mala** Aristov, 2015
- †**Ideliopsina kenderlykensis** Aristov, 2005
- †**Issadische maximum** Aristov, 2013
- †**Issadophlebia fusa** Aristov, 2015
- †**Iva permiana** Aristov, 2015
- †**Ivakhosara pectinimedita** Aristov, 2008
- †**Ivakhosara prima** Aristov, 2010
- †**Jubala pectinata** (Novokshonov, 2000)
- †**Kargalokhosara terraefossa** Aristov, 2008
- †**Kitshuga ryzhkovae** Aristov, 2012
- †**Koshelevka megakhosaroides** (Aristov, 2015)
- †**Letopala costalis** Aristov & Rasnitsyn, 2011
- †**Locustoblattina marginata** Aristov, 2016
- †**Locustoblattina segmentata** Aristov, 2016
- †**Lomovatka udovichenkoi** Aristov, 2015
- †**Madygenocephalus micropteron** Aristov, 2011
- †**Mallorcagryllus hispanicus** Aristov & Zessin, 2009
- †**Malmyzhia kazanica** Aristov, 2015
- †**Megakhosara nana** Aristov, 2009
- †**Megakhosarella paula** Aristov, 2015
- †**Megakhosarella prisca** Aristov, 2010
- †**Megakhosarina chepanichensis** Aristov, 2008
- †**Megakhosarina magna** Aristov, 2008
- †**Megakhosarina minuscula** Aristov, 2008
- †**Megakhosarina vyaznikensis** Aristov, 2009
- †**Megakhosarodes borealis** Aristov, 2013
- †**Megakhosarodes shcherbakovi** Aristov, 2011
- †**Megakhosarodes tensilis** Aristov, 2013
- †**Megakhosarodes vosgesicus** Aristov, Grauvogel-Stamm & Marchal-Papier, 2011
- †**Mesoblattogryllus palaeozoicus** Aristov, 2020
- †**Mesoidelia bakhilka** Aristov, 2020
- †**Mesoidelia gorochovi** Aristov, 2013
- †**Mesoidelia procera** Aristov, 2014
- †**Mesoidelia riphaea** Aristov, 2014
- †**Micaidelia minutissima** Aristov, 2004
- †**Narkemina kata** Aristov, 2013
- †**Narkeminopsis inversa** Aristov, 2013
- †**Narkeminuta permiana** Aristov, 2013
- †**Narkemulla sibirica** Aristov, 2013
- †**Novokshonovus boreus** Aristov & Rasnitsyn, 2015
- †**Novokshonovus ignoratus** Aristov & Rasnitsyn, 2015
- †**Palaeomesorthopteron pullus** Aristov, Grauvogel-Stamm & Marchal-Papier, 2011
- †**Parakhosara coalita** Aristov, 2004
- †**Parakhosara kamica** Aristov, 2017
- †**Parakhosara kopylovi** Aristov, 2009
- †**Parakhosara mutoviensis** Aristov, 2009
- †**Parakhosara reticulata** Aristov, 2013
- †**Parastenaropodites aquilonius** Aristov, 2014
- †**Parastenaropodites circumhumatus** Aristov, 2014
- †**Parastenaropodites exossis** Aristov, 2014
- †**Parastenaropodites intricatus** (Aristov, 2008)
- †**Parastenaropodites panneus** Aristov, 2014
- †**Parastenaropodites rigidus** (Aristov, 2005)
- †**Parastenaropodites strips** Aristov & Rasnitsyn, 2015
- †**Parastenaropodites vyaticus** Aristov, 2009
- †**Pectinokhosara sylvardemiodes** Aristov, 2004
- †**Permeoblatta borealis** Rasnitsyn & Aristov, 2010
- †**Permofofissilis commasticatus** Aristov, 2013
- †**Permoblattogryllus praecox** Aristov, 2011
- †**Permopectina sibirica** Aristov, 2015
- †**Permopectina tshekardensis** Aristov, 2005
- †**Permopectina vorkutensis** Aristov, 2005
- †**Permorthopteron foliaceus** Aristov, 2014
- †**Pintopinna martinsnetoi** (Pinto, 1999)
- †**Plesioblattogryllus minor** Ren & Aristov, 2011
- †**Poldarsia relictaria** Aristov & Rasnitsyn, 2011
- †**Protoblattogryllus nedubrovensis** Aristov, 2011
- †**Protoblattogryllus sibiricus** Aristov, 2020
- †**Protoblattogryllus vittatus** Aristov, 2011
- †**Rasstriga americana** Aristov & Rasnitsyn, 2012
- †**Scutistriga scutata** Aristov & Rasnitsyn, 2012
- †**Sharovites alexanderi** Aristov & Storozhenko, 2013
- †**Soyanoptera volucris** Aristov & Rasnitsyn, 2002
- †**Stereosylva singularis** Aristov, 2002
- †**Strigulla cuculiophora** (Aristov, 2002)
- †**Suksunus bicodex** Aristov, 2015
- †**Sylvastriga miranda** Aristov, 2004
- †**Taskanatus asiaticus** (Storozhenko, 1997)
- †**Tococladus kargalensis** (Rasnitsyn & Aristov, 2013)
- †**Tshekardelia media** Aristov, 2002
- †**Tshermyaninus biforis** Aristov, 2014
- †**Tshunoptera ampla** Aristov, 2013
- †**Vosgesopteron arzwillerensis** Aristov, Grauvogel-Stamm & Marchal-Papier, 2011
- Order Cnemidolestida Handlirsch, 1937
- †Suborder **Parmapterina** Aristov, 2016
- †**Ctenoptilidae** Aristov, 2014
- †**Issatermidae** Aristov, 2018
- †**Neraphidiidae** Aristov, 2014
- †**Parmapteridae** Aristov & Rasnitsyn, 2015
- †**Prygidae** Aristov & Rasnitsyn, 2014
- †**Sylvaabestidae** Aristov, 2000
- †**Tshekardominidae** Novokshonov & Aristov, 2002
- †**Aiban kichineis** Aristov, 2018
- †**Anarkemina winsdoriensis** (Lewis, 1979)
- †**Fodinopenna abakanica** Aristov, 2014
- †**Hammelburgia selli** Aristov, 2014
- †**Issatermes parvus** Aristov, 2018
- †**Ivkinius conjunctus** (Aristov & Storozhenko, 2011)
- †**Izykhia tridentis** Aristov, 2013

- †*Kamamica promota* Aristov & Rasnitsyn, 2014
†*Kazanalicula reducta* Aristov & Storozhenko, 2011
†*Kirovopteron luteus* Aristov, 2015
†*Kishertia tricubitalis* Aristov, 2004
†*Kityakia atrita* Aristov, 2014
†*Kungurembia biarmica* Rasnitsyn & Aristov, 2010
†*Kungurembia brevicervix* Aristov, 2004
†*Kungurembia pallida* Aristov, 2004
†*Kuplya minutissima* Aristov, 2013
†*Mezenalicula connata* Aristov & Storozhenko, 2011
†*Micropermula ceceya* Aristov, 2018
†*Neprotambia complicata* Aristov, 2005
†*Neprotambia truncata* Aristov, 2004
†*Neraphidia rigida* Aristov, 2004
†*Paratillyardembia sepicolorata* Aristov, 2000
†*Parmaptera permiana* Aristov & Rasnitsyn, 2015
†*Permedax effertus* Aristov, 2004
†*Permula minor* (Aristov, 2004)
†*Permula tshekardensis* (Aristov, 2004)
†*Pryg absurdus* Aristov & Rasnitsyn, 2014
†*Repka curta* Aristov & Rasnitsyn, 2011
†*Repka repens* Aristov & Rasnitsyn, 2011
†*Repka stramensis* Aristov & Rasnitsyn, 2011
†*Sibestia nana* Aristov, 2018
†*Sharovalia triassica* Aristov, 2020
†*Sigmophlebia rugulosa* Aristov, 2013
†*Sigmophlebia udmurtica* Aristov, 2008
†*Sojanopermula edemskii* (Aristov & Storozhenko, 2011)
†*Sojyanopermula rasnitsyni* Aristov & Storozhenko, 2011
†*Soyanocadaver crypticus* Aristov, 2015
†*Sylvabestia tenuis* Aristov, 2000
†*Sylvardembia matura* Aristov, 2000
†*Tillyardembia zalazna* Aristov, 2018
†*Tshekardomina imbecilla* Aristov, 2004
†*Tshekardomina imbecillissima* Aristov, 2004
†*Tshekardomina maculosa* Novokshonov & Aristov, 2002
†*Tshekardomina mongolica* Aristov, 2009
†*Tshekardomina novokshonovi* Aristov, 2015
†*Tshekardomina subincurvata* Aristov, 2004
†*Tshepanichoptera lacera* Aristov, 2008
†*Udembia udmurtica* Aristov, 2018
†*Vokhmia laxa* Aristov, 2018
†*Vokhmia pyriformis* Aristov, 2018
†*Votyak pictus* Aristov, 2018
†*Yaria arenaria* Aristov, 2014
†*Yontala camura* Aristov, 2005
- Order Reculida Handlirsch, 1906
†*Ivapteridae* Aristov, 2009
†*Kargalellinae* Aristov, 2004
†*Kargalopterae* Aristov, 2009
†*Uralopriscinae* Aristov & Storozhenko, 2010
†*Afrogrylloblattus disputabilis* Aristov & Mostovski, 2013
†*Arkhangelloptera sokica* Aristov, 2015
†*Artinska infigurabilis* Aristov, 2004
†*Artinska novella* Aristov, 2015
†*Artinska sojanensis* Aristov, 2009
†*Artinska ufimica* Aristov, 2010
†*Artinska vorkutensis* Aristov, 2005
†*Batkenopterum kirgizicum* Aristov, 2020
†*Camptoneurites sojanensis* Aristov, Storozhenko & Cui, 2010
†*Cerasopterum impurum* Aristov, 2004
†*Chauliodites afonini* Aristov, 2008
†*Chauliodites anisicus* Aristov, Grauvogel-Stamm & Marchal-Papier, 2011
†*Chauliodites antiquus* (Aristov, 2003)
†*Chauliodites babyi* Aristov, 2020
†*Chauliodites cancellatus* (Aristov, 2003)
†*Chauliodites circumornatis* Aristov, 2013
†*Chauliodites durus* (Aristov, 2003)
†*Chauliodites eskovi* Aristov, 2011
†*Chauliodites geniatius* Aristov, 2013
†*Chauliodites gomankovi* Aristov, 2008
†*Chauliodites incanus* Aristov, 2015
†*Chauliodites issadensis* Aristov, 2009
†*Chauliodites kitsmengensis* Aristov, 2013
†*Chauliodites mongolicus* Aristov, 2003
†*Chauliodites nedubrovensis* Aristov, 2013
†*Chauliodites niedzwiedzkii* Aristov, Żyła & Wegierek, 2013
†*Chauliodites ponomarenkoi* Aristov, 2008
†*Chauliodites ramosus* (Aristov, 2003)
†*Chauliodites sakmaris* Aristov, 2020
†*Chauliodites sennikovi* (Aristov, 2003)
†*Culiciforma formosa* Aristov, 2004
†*Depressopterum generator* Aristov, 2004
†*Dvinopedes salariovensis* Aristov, 2013
†*Euremisca elegans* Aristov, 2004
†*Euremisca kazanica* Aristov, 2009
†*Expartalioma hirta* Aristov, 2004
†*Expartalioma urzhumica* Aristov, 2009
†*Falseshurabia transitoria* Aristov, 2013
†*Geinitzia annosa* Aristov, 2020
†*Geinitzia ima* Aristov, 2015
†*Geinitzia sagulensis* Aristov, Wappler & Rasnitsyn, 2009
†*Geinitzia subita* Aristov, 2013
†*Geinitziella rasnitsyni* Aristov, 2022
†*Idelopterum samoedum* Aristov, 2015
†*Iphikozulu kwayayaensis* Aristov & Mostovski, 2009
†*Isadia bipectinata* Aristov, 2009
†*Issadiella bipectinata* (Aristov, 2009)
†*Issadonympha oculatea* Aristov, 2013
†*Ivaptera sharovi* Aristov, 2009
†*Kaltanympa ornata* Aristov, Novokshonov & Pan'kov, 2006
†*Kaltanympa vorkutensis* Aristov, Novokshonov & Pan'kov, 2006
†*Karga sakmarica* (Aristov, 2009)
†*Kargalella gibbosa* Aristov, 2004
†*Kargalia sakmarica* Aristov, 2009
†*Kargaloptera connexa* Aristov, 2009
†*Kenguronympha lenta* Aristov, 2013
†*Khosara ultima* Aristov, 2020
†*Klyazmia karasevi* Aristov, 2013
†*Kostovata catagrapha* Aristov, 2019
†*Kostovatoprisca acuminata* Aristov, 2008
†*Kungurocauda spinosa* Aristov, 2004
†*Kungurolioma cancellata* Aristov, 2004
†*Lemmatonympha gracilissima* Aristov, Novokshonov & Pan'kov, 2006
†*Liomofrater circumciscus* Aristov, 2013
†*Liomopterella acuminata* Aristov, 2004
†*Liomopterella kirovovensis* Aristov, 2008
†*Liomopterella kitiakensis* Aristov, 2004
†*Liomopterella kungurica* Aristov, 2004
†*Liomopterella parakitiakensis* Aristov, 2005
†*Liomopterites amanakicis* Aristov, 2009
†*Liomopterites annosus* Aristov, 2004
†*Liomopterites meridionalis* Aristov & Mostovski, 2013
†*Liomopterites novissimus* Aristov, 2004
†*Liomopterites suhonensis* Aristov, 2009
†*Liomopterites svetlanae* Aristov, 2009
†*Liomopterites ulterior* Aristov & Mostovski, 2013
†*Liomopterum minor* Aristov, 2005
†*Miralioma monstrosa* Aristov, 2004
†*Miralioma urzhumica* Aristov, 2008
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†*Ornaticosta novokshonovi* Aristov, 2004
†*Ornaticosta tshekardensis* Aristov, 1999
†*Parachauliodites orthopteroides* Aristov, 2013
†*Paraliomopterum alium* Aristov, 2004
†*Paraliomopterum rectum* Aristov, 2004
†*Parapermula tatarica* Aristov, 2004
†*Paraprisca solikamskensis* Aristov, 2009
†*Paraskalicia prokopensis* Aristov, 2009
†*Paraskalicia tota* (Aristov, 2005)
†*Parasyllaeva minor* Aristov, 2004
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†*Parasylyviodes sojanensis* Aristov, 2008

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 †*Permoshurabia mesenensis* Aristov, 2009
 †*Permoshurabia sukhonica* Aristov, 2022
 †*Permoshurabia tshasha* Aristov, 2020
 †*Permotoma aba* Aristov, 2020
 †*Permovalia abortiva* Aristov, 2015
 †*Permuliercula chimaera* Aristov, 2020
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 †*Probnis fossor* Aristov, 2004
 †*Protomia proteus* Aristov, 2004
 †*Purtovinia ustyugensis* Aristov, 2013
 †*Rigidilioma radialis* Aristov, 2004
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 †*Shurabia annosa* Aristov, 2004
 †*Shurabia bashkuevi* Aristov, 2011
 †*Shurabia creta* Aristov, 2020
 †*Shurabia hissarica* Aristov, Wappler & Rasnitsyn, 2009
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 †*Shurabia izyumica* Aristov, 2022
 †*Shurabia lukashevichae* Aristov, 2011
 †*Shurabia minutissima* Aristov, 2022
 †*Shurabia permiana* Aristov, 2013
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 †*Shurabia tanga* Aristov, 2018
 †*Stegopterum anteanatalis* Aristov, 2004
 †*Stegopterum kabalum* Aristov, 2020
 †*Stegopterum pashka* Aristov, 2020
 †*Stegopterum primus* Aristov, 2015
 †*Sukhonia coriacea* Aristov, 2013
 †*Sylvaclenicus echinatus* Aristov, 2004
 †*Sylvaella martynovi* Aristov, 2015
 †*Sylvaella ovalis* Aristov, 2010
 †*Sylvaella semicolorata* Aristov, 2013
 †*Sylvaella vitiosa* Novokshonov & Aristov, 1999
 †*Sylvafossor forcipatus* Aristov, 2004

†*Sylvalitoralis calcomessor* (Aristov, 2004)
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 †*Sylvaphlebia fucata* Aristov, 2004
 †*Sylvaphlebia gunderseni* Aristov, 2015
 †*Sylvaprisca colorata* Aristov, 2009
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 †*Sylvictor major* Aristov, 2004
 †*Sylviodes martynovae* Aristov, 2015
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 †*Tapopterum populus* Aristov, 2004
 †*Tataronympha kamensis* Aristov, Novokshonov & Pan'kov, 2006
 †*Triassoprobnis humilis* Aristov, 2005
 †*Tshebardanympa bardensis* (Aristov, 2004)
 †*Tshebardanympa lientericus* (Aristov, 2004)
 †*Tshekardeigma rasnitsyni* Aristov, 2011
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 †*Tshekardites gracilis* Aristov, 2004
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 †*Tyulkinia bashkuevi* Aristov, Storozhenko & Cui, 2010
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 †*Ufimoprisca kamensis* Aristov, 2010
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 †*Uralioma maxima* Aristov, 2004
 †*Uralioma variabilis* Storozhenko & Aristov, 1999
 †*Uraloprisca lisca* Aristov, 2009
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 †*Vilvaptera permyakovae* Aristov, 2011
 †*Vorkutopterum monstruosum* Aristov, 2005

Order indeterminate

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 †*Kerbia aptera* Aristov, 2008
 †*Sukhonopectera insolita* Aristov, 2009
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