NOMENCLATURAL CHANGES FOR FOURTEEN TRILOBITES GENERA

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ABSTRACT: Fourteen junior homonyms were detected amongst the Trilobites genera and the following replacement names are proposed: *Limbadiscus* Korobov, 1980 for *Natalina* Romanenko, 1978; *Kazakhius* nom. nov. for *Elegantaspis* Ivshin, 1962; *Neoiranella* nom. nov. for *Iranella* Hupé, 1953; *Suluderella* nom. nov. for *Mareda* Kobayashi, 1942; *Aldanianus* nom. nov. for *Comptocephalus* Repina, 1964; *Neodrepanura* nom. nov. for *Drepanura* Bergeron, 1899; *Kiyakius* nom. nov. for *Pionaspis* Zhang, 1983; *Galbertianus* nom. nov. for *Hollardia* Alberti, 1964; *Neograciella* nom. nov. for *Graciella* Rozova, 1963; *Samgonus* nom. nov. for *Lampropeltis* Öpik, 1967; *Atilayus* nom. nov. for *Deltocephalus* Ogienko, 1969; *Wolfartius* nom. nov. for *Farsia* Wolfart, 1974; *Neoblairella* nom. nov. for *Blairella* Rasetti, 1965 and *Neoregina* nom. nov. for *Regina* Egorova, 1967. Accordingly, new combinations are herein proposed for the species currently included in these genera respectively: *Limbadiscus incitus* (Romanenko, 1978) comb. nov.; *Kazakhius elegantulus* (Ivshin, 1962) comb. nov.; *Neoiranella latefrons* (King, 1937) comb. nov.; *Suluderella mukazegata* (Kobayashi, 1942) comb. nov.; *Aldanianus mitis* (Repina, 1964) comb. nov.; *Neodrepanura premesnili* (Bergeron, 1899) comb. nov.; *Kiyakius ichthyura* (Zhang, 1983) comb. nov.; *Galbertianus hollardi* (Alberti, 1964) comb. nov.; *Neograciella graciensis* (Rozova, 1963) comb. nov.; *Samgonus nitens* (Öpik, 1967) comb. nov.; *Atilayus orientalis* (Ogienko, 1969) comb. nov.; *Wolfartius abundans* (Wolfart, 1974) comb. nov.; *Neoblairella crassimarginata* (Rasetti, 1965) comb. nov. and *Neoregina opipara* (Egorova, 1967) comb. nov.

KEY WORDS: nomenclatural changes, homonymy, replacement names, Trilobites.

The purpose of the present paper is to bring the taxonomy of trilobites into accordance with the requirements of the International Code of Zoological Nomenclature (1999). It considers homonymous genus group names of trilobites introduced from 1758 to 2005.

In an effort to reduce the number of homonyms in Trilobites, I systematically checked all generic names published. I found fourteen trilobites genera and one species whose names had been previously published for other taxa, making them junior homonyms. In accordance with Article 60 of the International Code of Zoological Nomenclature, I propose substitute names for these genus and species group names.

TAXONOMY

Order AGNOSTIDA
Family HEBEDISCIDAE
Genus *LIMBADISCUS* Korobov, 1980

Natalina Romanenko, in Repina & Romanenko, 1978. Trudy Inst. Geol. Geofiz. sib. Otd. 382: 128. (Trilobita: Agnostida: Eodiscina: Eodiscoidea: Hebediscidae). Preoccupied by *Natalina* Pilsbry, in Tryon & Pilsbry, 1893. Man. Conch., (2) 8, 135. (Mollusca: Gastropoda: Pulmonata: Stylommatophora: Acavoidea: Rhytididae).

Remarks: The name *Natalina* was initially introduced by Pilsbry, 1893 as a replacement name for the preoccupied genus name *Aerope* Martens, 1860 of the gastropod family Rhytididae (with the type species *Helix cafra* Férussac, 1821). Subsequently, Romanenko, 1978 described a trilobite genus of the family Hebediscidae (with the type species *Natalina incita* Romanenko, 1978 from Sanashtykgol Horizon, Gorny Altay, S. Siberia, Russia) under the same generic name. Thus, the genus *Natalina* Romanenko, 1978 is a junior homonym of the genus *Natalina* Pilsbry, 1893. I propose for the genus *Natalina* Romanenko, 1978 the junior subjective synonym *Limbadiscus* Korobov, 1980 that is the type species *Limbadiscus dilatum* Korobov, 1980 from Egyngolskaya Fm, NW Mongolia (Jell, 1997).

Summary of nomenclatural changes:
Limbadiscus Korobov, 1980 = *Natalina* Romanenko, 1978 (non Pilsbry, 1893).
Limbadiscus incitus (Romanenko, 1978) **comb. nov.** = *Natalina incita* Romanenko, 1978 = *Limbadiscus dilatum* Korobov, 1980.

Order ASAPHIDA
Family APHELASPIDIDAE
Genus *KAZAKHIUS* nom. nov.

Elegantaspis Ivshin, 1962. Upper Cambrian trilobites of Kazakhstan; Part 2. Akad. Nauk Kazakh. SSR, Inst. Geol. Nauk, Alma-Ata: 80. (Trilobita: Asaphida: Asaphina: ?Anomocaroidea: Aphelaspididae). Preoccupied by *Elegantaspis* Heintz, 1929. Skrift. Svalbard Ishavet, Oslo, No. 22, 61. (Pisces: Placodermi: Phlyctaenioidei: Phlyctaeniina: Phlyctaeniidae).

Remarks: Ivshin (1962) proposed the genus name *Elegantaspis* with the type species *Elegantaspis elegantula* Ivshin, 1962 from Seletinsky Horizon, Kazakhstan. Unfortunately, the generic name was already preoccupied by Heintz (1929), who had described the genus *Elegantaspis* in the fossil fish family Phlyctaeniidae. Thus, the genus *Elegantaspis* Ivshin, 1962 is a junior homonym of the generic name *Elegantaspis* Heintz, 1929. I propose a new replacement name *Kazakhius* **nom. nov.** for *Elegantaspis* Ivshin, 1962. The name is dedicated to the country Kazakhstan. The name is masculine in gender.

Summary of nomenclatural changes:
Kazakhius **nom. nov.** = *Elegantaspis* Ivshin, 1962 (non Heintz, 1929).
Kazakhius elegantulus (Ivshin, 1962) **comb. nov.** = *Elegantaspis elegantula* Ivshin, 1962.

Family DIKELOCEPHALIDAE
Genus *NEOIRANELLA* nom. nov.

Iranella Hupé, 1953. in Piveteau, Traité de Paléont., 3, 189 ; 1955, Ann. Paléont., 41, 97 (117). (Trilobita: Asaphida: Asaphina: Dikelocephaloidea: Dikelocephalidae). Preoccupied by *Iranella* Uvarov, 1922. J. Bombay nat. Hist. Soc., 28, 729. (Insecta: Orthoptera, Acrididae, Catantopinae).

Remarks: Hupé (1953) proposed the genus name *Iranella* with the type species *Saratogia latefrons* King, 1937 from Sayad Hassan, Iran. Unfortunately, the generic name was already preoccupied by Uvarov (1922), who had described the genus *Iranella* in the orthopteran family Acrididae. Thus, the genus *Iranella* Hupé, 1953 is a junior homonym of the generic name *Iranella* Uvarov, 1922. I propose a new replacement name *Neoiranella* **nom. nov.** for *Iranella* Hupé, 1953. The name dedicated to the current genus name.

I have reason in principle to rename the homonym *Iranella,* but should also know that such a new name may be unnecessary because *Saratogia latefrons* King, 1937 has already been referred to *Maladioidella abdita* (Salter, 1866) by Rushton & Hughes (1996); this was, of course, a subjective decision. "*Rushton & Hughes (1996) discussed Maladioidella and its synonyms Cedarellus and Iranella, and redescribed the widespread species M. abdita (Salter, 1866)*" (Rushton et al., 2002). But Jell & Adrain (2003) given the trilobite genera *Kuruktagella* T. Zhang, 1981 and *Cedarellus* Lazarenko, 1966 as junior subjective synonyms of *Maladioidella* Endo, 1937 in the family Idahoiidae on pages 355, 394 and 472. Also the genus *Iranella* is given by Jell & Adrain (2003) as a junior subjective synonyms of *Maladioidella* Endo, 1937 on page 388. But on page 469 the genus name *Iranella* recorded as a available generic name without synonym in the family Dikelocephalidae.

Summary of nomenclatural changes:
Neoiranella **nom. nov.** = *Iranella* Hupé, 1953 (non Uvarov, 1922).
Neoiranella latefrons (King, 1937) **comb. nov.** = *Saratogia latefrons* King, 1937.

Family SAUKIIDAE
Genus *SULUDERELLA* nom. nov.

Mareda Kobayashi, 1942. Jap. J. geol. Geogr., 18, 297. (Trilobita: Asaphida: Asaphina: Dikelocephaloidea: Saukiidae). Preoccupied by *Mareda* Walker, 1855. List Specimens Lep. Ins. Brit. Mus., 5, 1157. (Lepidoptera: Zygaenoidea: Limacodidae: subfamily unassigned).

Remarks: The generic name *Mareda* Walker, 1855 was proposed for a genus of moths family Limacodidae (with the type species *Mareda*

ferruginea Walker, 1855 by monotypy). Subsequently, the generic name *Mareda* Kobayashi, 1942 was introduced for a new trilobite genus (with the type species *Mareda mukazegata* Kobayashi, 1942 from Fengshan Fm, Shanxi, China) of the family Saukiidae. Thus, the genus *Mareda* Kobayashi, 1942 is a junior homonym of the generic name *Mareda* Walker, 1855. I propose for the genus *Mareda* Kobayashi, 1942 the new replacement name *Suluderella* **nom. nov.** The name is given in honour to Prof. Dr. Zekiye Suludere. The name is feminine in gender.

Summary of nomenclatural changes:
Suluderella **nom. nov.** = *Mareda* Kobayashi, 1942 (non Walker, 1855).
Suluderella mukazegata (Kobayashi, 1942) **comb. nov.** = *Mareda mukazegata* Kobayashi, 1942.

Order CORYNEXOCHIDA
Family DINESIDAE
Genus *ALDANIANUS* nom. nov.

Compsocephalus Repina, 1964 in Repina et al. [Lower Cambrian biostratigraphy of the Sayan-Altay folded region]. (Akademiya Nauk SSSR, Sibirskoe Otdelenie, Institut Geologii i Geofiziki, Izdatelstvo: Moscow). 308 p. (Trilobita: Corynexochida: Corynexochina: Corynexochoidea: Dinesidae). Preoccupied by *Compsocephalus* White, 1845. Ann. Mag. nat. Hist., 15, 39. (Insecta: Coleoptera: Scarabaeoidea: Scarabaeidae: Cetoniinae).

Remarks: The genus *Compsocephalus* was erected by White, 1845 with the type species *Compsocephalus horsfieldianus* White, 1845. Later, the genus *Compsocephalus* was described by Repina, 1964 in Repina et al., 1964 with the type species *Compsocephalus mitis* Repina, 1964 from Aldanian, Sayan Altay Fold Belt, Russia. However, the name *Compsocephalus* Repina, 1964 is invalid under the law of homonymy, being a junior homonym of *Compsocephalus* White, 1845.

In Repina's paper *Compsocephalus* appears on page 148 without a species name being assigned. On page 307 *Lepidocephaloides* is introduced with the type species *L. mitis,* and *Lepidocephaloides mitis* is the name given in the explanation of plate 33, figures 12-14. *Compsocephalus* is re-introduced without description on page 308, in a continuation of the account of *L. mitis*. The fact that Repina made a hand-written change on a copy of her work is irrelevant to the present nomenclatural problem. Also, Jell & Adrain (2003) mentioned that *Lepidocephaloides* Repina, 1964 is typographical error for Compsocephalus on p. 307 - hand corrected by author in copy held by A. R. Palmer – borne out by assignment of type species on p. 308.

Under the circumtances, *Lepidocephaloides* was not made available by Repina within the term of the ICZN. Namely, *Lepidocephaloides* is not a synonym of *Compsocephalus*. So I propose to substitute the junior homonym name *Compsocephalus* Repina, 1964 for the name *Aldanianus* nom. nov.

Summary of nomenclatural changes:
Aldanianus **nom.nov.** = *Compsocephalus* Repina, 1964 (non White, 1845).
Aldanianus mitis (Repina, 1964) **comb. nov.** = *Compsocephalus mitis* Repina, 1964.

Order LICHIDA
Family DAMESELLIDAE
Genus *NEODREPANURA* nom. nov.

Drepanura Bergeron, 1889. Bull. Soc. géol. France, 27 (3): 509. (Trilobita: Lichida: Lichina: Dameselloidea: Damesellidae). Preoccupied by *Drepanura* Schoett, 1891. Bih. svenska VetensAkad., 17 (4), no. 8, 19. (Collembola: Entomobryidae).

Remarks: The name *Drepanura* was initially introduced by Schoett, 1891 for a genus of the collembolan family Entomobryidae (with the type species *Drepanura californica* Schoett, 1891). Subsequently, Bergeron, 1899 described a trilobite genus of the family Damesellidae (with the type species *Drepanura premesnili* Bergeron, 1899 from Kushan Fm, Shandong, China) under the same generic name. Thus, the genus *Drepanura* Bergeron, 1899 is a junior homonym of the genus *Drepanura* Schoett, 1891. I propose for the genus *Drepanura* Bergeron, 1899 the new replacement name *Neodrepanura* **nom. nov.** The name is dedicated to the current generic name.

Summary of nomenclatural changes:
Neodrepanura **nom. nov.** = *Drepanura* Bergeron, 1899 (non Schoett, 1891).
Neodrepanura premesnili (Bergeron, 1899) **comb. nov.** = *Drepanura premesnili* Bergeron, 1899.

Family DAMESELLIDAE
Genus *KIYAKIUS* nom. nov.

Pionaspis Zhang, in Qiu et al., 1983. [Paleontological atlas of east China. 1. Volume of Early Paleozoic.]. Geological Publishing House, Peking: 176. (Trilobita: Lichida: Lichina: Dameselloidea: Damesellidae). Preoccupied by *Pionaspis* Denison, 1964. Fieldiana, Geol. 13: 386. (Chordata: Agnatha: †Cynthaspidiformes: Cynthaspida: †Cyathaspididae).

Remarks: Zhang (1983) proposed the genus *Pionaspis* with the type species *Pionaspis ichthyura* Zhang, 1983 from Kushan Fm, Zhejiang, China. Unfortunately, the generic name was already preoccupied by Denison (1964), who had described the genus *Pionaspis* in †Cynthaspidiformes. Thus, the genus *Pionaspis* Zhang, 1983 is a junior homonym of the generic name *Pionaspis* Denison, 1964. I propose a new replacement name *Kiyakius* **nom. nov.** for *Pionaspis* Zhang, 1983. The name is given in honour of my colleague Prof. Dr. Suat Kıyak. The name is masculine in gender.

Summary of nomenclatural changes:
Kiyakius **nom. nov.** = *Pionaspis* Zhang, 1983 (non Denison, 1964).
Kiyakius ichthyura (Zhang, 1983) **comb. nov.** = *Pionaspis ichthyura* Zhang, 1983.

Order PROETIDA
Family TROPIDOCORYPHIDAE
Genus *GALBERTIANUS* nom. nov.

Hollardia Alberti, 1964. Senckenberg. leth. 45: 123. (Trilobita: Proetida: Proetina: Proetoidea: Tropidocoryphidae). Preoccupied by *Hollardia* Poey, 1861. Mem. Cuba, 2, 348. (Pisces: Actinopterygii: Tetraodontiformes: Triacanthodidae).

Remarks: The generic name *Hollardia* Poey, 1861 was proposed for a genus of fish family Triacanthodidae (with the type species *Hollardia hollardi* Poey, 1861). Subsequently, the generic name *Hollardia* Alberti, 1964 was introduced for a new trilobite genus (with the type species *Hollardia hollardi* Alberti, 1964 from Ain Tagh Sh, An Targa, W Morocco) of the family Tropidocoryphidae. Thus, the genus name *Hollardia* Alberti, 1964 is a junior homonym of the generic name *Hollardia* Poey, 1861 and also the species name *Hollardia hollardi* Alberti, 1964 that is the type species of *Hollardia* Alberti, 1964 is invalid under the law of homonymy, being a primary junior homonym of *Hollardia hollardi* Poey, 1861 that is the type species of *Hollardia* Poey, 1861. Under the Zoological Code (ICZN) they must be rejected and replaced. I propose to substitute the junior homonym genus group name *Hollardia* Alberti, 1964 for the nomen novum *Galbertianus* and the junior primary homonym species group name *Hollardia hollardi* Alberti, 1964 for the comb. nov. *Galbertianus hollardi*. The genus group name *Galbertianus* is given in honour to G. K. B. Alberti who is the author of the genus name. The name is masculine in gender.

Summary of nomenclatural changes:
Galbertianus **nom. nov.** = *Hollardia* Alberti, 1964 (non Poey, 1861).
Galbertianus hollardi (Alberti, 1964) **comb. nov.** = *Hollardia hollardi* Alberti, 1964 (non Poey, 1861).

Order PTYCHOPARIIDA
Family LONCHOCEPHALIDAE
Genus *NEOGRACIELLA* nom. nov.

Graciella Rozova, 1963. Geologiya Geofiz. Novosibirsk 1963 (9): 14. (Trilobita: Ptychopariida: Ptychopariina: Ptychoparioidea: Lonchocephalidae). Preoccupied by *Graciella* Jordan, 1894. Novit. zool., 1, 215. (Insecta: Coleoptera: Chrysomeloidea: Cerambycidae: Lamiinae: Tragocephalini).

Remarks: Rozova (1963) proposed the genus name *Graciella* with the type species *Graciella graciensis* Rozova, 1963 from Yurakisky Horizon, NW Siberia, Russia. Unfortunately, the generic name was already preoccupied by Jordan (1894), who had described the genus *Graciella* in the coleopteran family Cerambycidae (Neave, 1939). Thus, the genus *Graciella* Rozova, 1963 is a junior homonym of the generic name *Graciella* Jordan, 1894. I propose a new replacement name *Neograciella*

nom. nov. for *Graciella* Rozova, 1963. The name dedicated to the current generic name.

Summary of nomenclatural changes:
Neograciella **nom. nov.** = *Graciella* Rozova, 1963 (non Jordan, 1894).
Neograciella graciensis (Rozova, 1963) **comb. nov.** = *Graciella graciensis* Rozova, 1963.

Family PLETHOPELTIDAE
Genus *SAMGONUS* nom. nov.

Lampropeltis Öpik, 1967. Bull.Bur.Miner.Resour.Geol.Geophys.Aust. 74 (1):182. (Trilobita: Ptychopariida: Uncertain suborder: Uncertain superfamily: Plethopeltidae). Preoccupied by *Lampropeltis* Fitzinger, 1843. Syst. Rept., 25. (Reptilia: Squamata: Serpentes: Colubridae: Colubrinae: Lampropeltini).

Remarks: Firstly, the genus *Lampropeltis* was established by Fitzinger, 1843 for snakes family Colubridae with the type species *Coluber getulus* Linnaeus, 1766. Later, the genus *Lampropeltis* was proposed by Öpik, 1967 for trilobites family Plethopeltidae with the type species *Lampropeltis nitens* Öpik, 1967 from Steamboat Sst, Queensland, Australia. However, the name *Lampropeltis* Öpik, 1967 is invalid under the law of homonymy, being a junior homonym of *Lampropeltis* Fitzinger, 1843. I propose to substitute the junior homonym name *Lampropeltis* Öpik, 1967 for the nomen novum *Samgonus*. The name is dedicated to trilobitologist Dr. Samuel M. Gon III. The name is masculine in gender.

Summary of nomenclatural changes:
Samgonus **nom. nov.** = *Lampropeltis* Öpik, 1967 (non Fitzinger, 1843).
Samgonus nitens (Öpik, 1967) **comb. nov.** = *Lampropeltis nitens* Öpik, 1967.

Family PROASAPHISCIDAE
Genus *ATILAYUS* nom. nov.

Deltocephalus Ogienko, 1969. Geologiya Geofiz.Novosibirsk 1969 (8): 56 (Trilobita: Ptychopariida: Ptychopariina: Ptychoparioidea: Proasaphiscidae). Preoccupied by *Deltocephalus* Burmeister, 1838. Gen. Ins., 2 (Jassus), [5] (Homoptera: Cicadomorpha: Membracoidea: Cicadellidae: Deltocephalinae: Deltocephalini).

Remarks: The generic name *Deltocephalus* Burmeister, 1838 was proposed for a genus of homopterous family Cicadellidae (with the type species *Cicada pulicaris* Fallèn, 1806 by subsequent designation, by Kirschbaum, 1858). The genus *Deltocephalus* Burmeister, 1838 first introduced as a subgenus of *Jassus* Fabricius, 1803, now *Iassus* Fabricius, 1803. Subsequently, the generic name *Deltocephalus* Ogienko, 1969 was introduced for a new trilobite genus (with the type species *Deltocephalus orientalis* Ogienko, 1969 from chersk Fm, S Siberia, Russia) of the family Proasaphiscidae. Thus, the genus *Deltocephalus* Ogienko, 1969 is a junior homonym of the generic name *Deltocephalus*

Burmeister, 1838. I propose for the genus *Deltocephalus* Ogienko, 1969 the new replacement name *Atilayus* **nom. nov.** The name is given in honour to my colleague Atılay Yağmur Okutaner. The name is masculine in gender.

Summary of nomenclatural changes:
Atilayus **nom. nov.** = *Deltocephalus* Ogienko, 1969 (non Burmeister, 1838).
Atilayus orientalis (Ogienko, 1969) **comb. nov.** = *Deltocephalus orientalis* Ogienko, 1969.

Family PROASAPHISCIDAE
Genus *WOLFARTIUS* nom. nov.

Farsia Wolfart, 1974. Geol. Jb. (B) 8: 116. (Trilobita: Ptychopariida: Ptychopariina: Ptychoparioidea: Proasaphiscidae). Preoccupied by *Farsia* Amsel, 1961. Ark. Zool. (N.S.) 13: 375. (Insecta: Lepidoptera: Pyraloidea: Pyralidae: Phycitinae).

Remarks: The genus *Farsia* was erected by Amsel, 1961 with the type species *Farsia pallorella* Amsel, 1961. Later, the genus *Farsia* was described by Wolfart, 1974 with the type species *Farcia abundans* Wolfart, 1974 from Kushanian, SE Iran. However, the name *Farsia* Wolfart, 1974 is invalid under the law of homonymy, being a junior homonym of *Farsia* Amsel, 1961. I propose to substitute the junior homonym name *Farsia* Wolfart, 1974 for the nomen novum *Wolfartius*. The name is given in honour to R. Wolfart who is the current author of the generic name. The name is masculine in gender.

Summary of nomenclatural changes:
Wolfartius **nom. nov.** = *Farsia* Wolfart, 1974 (non Amsel, 1961).
Wolfartius abundans (Wolfart, 1974) **comb. nov.** = *Farsia abundans* Wolfart, 1974.

Family PTYCHOPARIIDAE
Genus *NEOBLAIRELLA* nom. nov.

Blairella Rasetti, 1965. J. Paleont. 39: 1012. (Trilobita: Ptychopariida: Ptychopariina: Ptychoparioidea: Ptychopariidae). Preoccupied by *Blairella* Miller & Gurley, 1896. Bull. Illinois Mus. nat. Hist., 11: 6. (Mollusca: Bivalvia: Heterodonta: Veneroida: Carditacea: family uncertain).

Remarks: Rasetti (1965) proposed the genus *Blairella* with the type species *Blairella crassimarginata* Rasetti, 1965 from Pleasant Hills Fm, Pennsylvania, USA. Unfortunately, the generic name was already preoccupied by Miller & Gurley (1896), who had described the genus *Blairella* in Bivalvia. Thus, the genus *Blairella* Rasetti, 1965 is a junior homonym of the generic name *Blairella* Miller & Gurley, 1896. I propose a new replacement name *Neoblairella* **nom. nov.** for *Blairella* Rasetti, 1965. The name is dedicated to the current generic name.
Summary of nomenclatural changes:
Neoblairella **nom. nov.** = *Blairella* Rasetti, 1965 (non Miller & Gurley, 1896).
Neoblairella crassimarginata (Rasetti, 1965) **comb. nov.** = *Blairella crassimarginata* Rasetti, 1965.

Family PTYCHOPARIIDAE
Genus *NEOREGINA* nom. nov.

Regina Egorova, 1967. Paleont.Zh. 1967 (1): 77. (Trilobita: Ptychopariida: Ptychopariina: Ptychoparioidea: Ptychopariidae). Preoccupied by *Regina* Baird & Girard, 1853. Smithson. misc. Coll., 2 (5), 45. (Reptilia: Squamata: Serpentes: Colubridae).

Remarks: Firstly, the genus *Regina* was described by Baird & Girard, 1853 for snakes family Colubridae with the type species *Regina grahamii* Baird & Girard, 1853. Later, the genus *Regina* was proposed by Egorova, 1967 for trilobites family Ptychopariidae with the type species *Regina opipara* Egorova, 1967 from Khara-tass Fm, N Siberia, Russia. However, the name *Regina* Egorova, 1967 is invalid under the law of homonymy, being a junior homonym of *Regina* Baird & Girard, 1853. In accordance with article 60 of the International Code of Zoological Nomenclature, I propose to substitute the junior homonym name *Regina* Egorova, 1967 for the nomen novum *Neoregina*. The name is dedicated to the current genus name.

Summary of nomenclatural changes:
Neoregina **nom. nov.** = *Regina* Egorova, 1967 (non Baird & Girard, 1853).
Neoregina opipara (Egorova, 1967) **comb. nov.** = *Regina opipara* Egorova, 1967.

LITERATURE CITED

Alberti, G. K. B. 1964. Neue Trilobiten as dem marokkanischen und deutschen Unter-und Mitteldevon. Senckenbergiana lethaea 45: 115-133.

Amsel, H. G. 1961. Die Microlepidopteren der Brandt'schen Iran-Ausbeute 5. Teil. Arkiv för Zoologi 13 (17): 323-445.

Baird, S. F. & Girard, C. 1853. Catalogue of North American reptiles in the museum of the Smithsonian Institution. Part I. Serpentes. 172 pp.

Bergeron, J. N. 1889. Etude de quelques trilobites de Chine. Bulletin de la Societé Géologique de France, 3rd series 27: 499-519.
Burmeister, H. C. C. 1838. Rhynchota. No. 2. Genera Insectorum 1, pls 6, 12, 14, 15.

Denison, R. H. 1964. The Cyathaspididae: A family of Silurian and Devonian jawless vertebrates. Fieldiana: Geology 13: 307-473.

Egorova, L. I. 1967. [Some trilobites from the Lower and Middle Cambrian of the Siberian Platform]. Paleontologicheskij Zhurnal, 1967 (1): 68-78.

Fitzinger, L. J. F. J. 1843. Systema reptilium. Fasciculus primus, Amblyglossae. indobonae, Braumuller et Seidel, Vienna, 106 pp.

Heintz, A. 1929. Die downtonischen and devonischen Vertebraten von Spitsbergen. 2. Acanthaspida. Skr. Svalb. Ish. 22: 1-81.

Hupé, P. 1953. Classification des Trilobites. Annales de Paléontologie, 39: 61-168.

International Comission of Zoological Nomenclature. 1999. International Code of Zoological Nomenclature. Fourth Edition. The International Trust for Zoological Nomenclature, London.

Ivshin, N. K. 1962. [Upper Cambrian trilobites of Kazakhstan. Part 2]. (Akademii Nauk Kazakhskoe SSR: Alma-Ata) 412 pp.

Jell, P. A. 1997. Introduction to the Suborder Eodiscina. pp. 384-405. In Kaesler, R.L. (ed.) Treatise on invertebrate paleontology, Part O, Arthropoda 1. Trilobita, Revised. Volume 1: Introduction, Order Agnostida, Order Redlichiida. (Geological Society of America and University of Kansas: Boulder, Colorado and Lawrence, Kansas). 530p.

Jell, P. A. & Adrain, J. M. 2003. Available generic names for trilobites. Memoirs of the Queensland Museum, 48 (2): 331-553.

Jordan, K. 1894. On some new genera and species of Coleoptera in the Tring Museum. Novitates Zoologicae 1: 488-503.

Kirschbaum, C. L. 1858. Der Gegend von Wiesbaden gesammelten Arten der Gattung Jasus. Jahrbücher des Nassauischer Verein für Naturkunde 13: 355-358.

Kobayashi, T. 1942. The Rakuroan Complex of the Shansi Basin and its surroundings. Japanese Journal of Geology and Geography 18 (4): 283-306.

Korobov, M. N. 1980. [Biostratigraphy and miomerid trilobites from the Lower Cambrian of Mongolia.]. Joint Soviet-Mongolian Scientific Research Geological Expedition, Transactions 26: 5-108.

Miller, S. A. & Gurley, W. F. E. 1896. New species of Paleozoic invertebrates from Illinois and other states. Illinois State Museum of Natural History, Bulletin 11: 1–50.

Neave, S. A. 1939. Nomenclator Zoologicus. The Zoological Society of London, 2: 509.

Ogienko, L. V. 1969. [On the problem of Middle Cambrian in the basin of the Up-stream of the River Lena]. Geologiya i Geofizika 1969 (8): 55-62.

Öpik, A. A. 1967. The Mindyallan fauna of north-western Queensland. Bureau of Mineral Resources Geology & Geophysics Australia Bulletin 74: 1-404 / 1-167 (2 vols.).

Pilsbry, H. A. 1893. in Tryon, G. W. & Pilsbry, H. A. Manual of Conchology. Philadelphia: Conchological Section, Academy of Natural Sciences Ser. 2 (8):1-314 pp.

Poey, F. 1861. Memorias sobra la historia natural de la Isla de Cuba, acompañadas de sumarios Latinos y extractos en Francés. Tomo 2. La Habana. Memorias sobra la historia natural de la Isla de Cuba, 2 (1861): ,337-442.

Qiu, H., Lu, Y., Zhu, Z., Bi, D., Lin, T., Zhou, Z., Zhang, Q., Qian, Y., Ju, T., Han, N. & Wei, X. 1983. [Trilobita]. In Paleontological Atlas of East China. Part 1: Early Paleozoic. (Nanjing Institute of Geology and Mineral Resources. Geological Publishing House: Beijing). 657 pp.

Rasetti, F. 1965. Middle Cambrian trilobites of the Pleasant Hill Formation in central Pennsylvania. Journal of Paleontology 39: 1007-1014.

Repina, L. N., Khomentovsky, V. V., Zhuravleva, I. T. & Rozanov, A. Yu. 1964. [Lower Cambrian biostratigraphy of the Sayan-Altay folded region]. (Akademiya Nauk SSSR, Sibirskoe Otdelenie, Institut Geologii i Geofiziki, Izdatelstvo: Moscow). 313 pp.

Repina, L. N. & Romanenko, E. 1978. [Trilobites and stratigraphy of the Lower Cambrian of Altay]. Akademiya Nauk SSSR, Sibirskoe Otdelenie, Instituta Geologii i Geofiziki, Trudy 382: 1-304.

Rozova, A. V. 1963. [A biostratigraphic scheme for the Upper and upper Middle Cambrian and new Upper Cambrian trilobites]. Geologiya i Geofizika 1963 (9): 3-19.

Rushton, A. W. A. & Hughes, N. C. 1996. Biometry, systematics and biogeography of the late cambrian trilobite Maladioidella abdita. Transactions of the royal Society of edinburgh: earth sciences 86: 247–56.

Rushton, A. W. A., Cocks, L. R. M. & Fortey, R. A. 2002. Upper Cambrian trilobites and brachiopods from Severnaya Zemlya, Arctic Russia, and their implications for correlation and biogeography. Geol. Mag. 139 (3): 281-290.

Schoett, H. 1891. Beiträge zur Kenntniss kalifornischer Collembola. Bihang Till K. Svenska Vet.-Akad. Handlingar, Band 17, Afd. IV, N:o 8, Stockholm, p.1-25.

Uvarov, B. P. 1922. Records and descriptions of Orthoptera from S. W. Asia. Journal of Bombay Natural History Society 28: 719-738.

Walker, F. 1855. List of specimens Lepidopterous Insects in the collection of the British Museum, London, 5: 1157.

White, A. 1845. Description of two apparently new species of lamellicorn beetles. Annals and Magazine of Natural History 15: 38-41.

Wolfart, R. 1974. Die Fauna (Brachiopoda, Mollusca, Trilobita) des älteren Ober-Kambriums (Ober-Kushanian) von Dorah Shah Dad, Südost-Iran, und Surkh Bum, Zentral-Afghanistan. Geologisches Jahrbuch, Reihe B, 8: 71-184.

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Order	Family	Junior homonym	Senior homonym	Replacement name
AGNOSTIDA	HEBEDISCIDAE	*Natalina* Romanenko, 1978	*Natalina* Pilsbry, 1893 (Mollusca)	*Limbadiscus* Korobov, 1980
ASAPHIDA	APHELASPIDIDAE	*Elegantaspis* Ivshin, 1962	*Elegantaspis* Heintz, 1929 (Pisces)	*Kazakhius* **nom. nov.**
ASAPHIDA	DIKELOCEPHALIDAE	*Iranella* Hupé, 1953	*Iranella* Uvarov, 1922 (Orthoptera)	*Neoiranella* **nom. nov.**
ASAPHIDA	SAUKIIDAE	*Mareda* Kobayashi, 1942	*Mareda* Walker, 1855 (Lepidoptera)	*Suluderella* **nom. nov.**
CORYNEXOCHIDA	DINESIDAE	*Compsocephalus* Repina, 1964	*Compsocephalus* White, 1845 (Coleoptera)	*Aldanianus* **nom.nov.**
LICHIDA	DAMESELLIDAE	*Drepanura* Bergeron, 1899	*Drepanura* Schoett, 1891 (Collembola)	*Neodrepanura* **nom. nov.**
LICHIDA	DAMESELLIDAE	*Pionaspis* Zhang, 1983	*Pionaspis* Denison, 1964 (†Cynthaspidiformes)	*Kiyakius* **nom. nov.**
PROETIDA	TROPIDOCORYPHIDAE	*Hollardia* Alberti, 1964	*Hollardia* Poey, 1861 (Pisces)	*Galbertianus* **nom. nov.**
PTYCHOPARIIDA	LONCHOCEPHALIDAE	*Graciella* Rozova, 1963	*Graciella* Jordan, 1894 (Coleoptera)	*Neograciella* **nom. nov.**
PTYCHOPARIIDA	PLETHOPELTIDAE	*Lampropeltis* Öpik, 1967	*Lampropeltis* Fitzinger, 1843 (Reptilia)	*Samgonus* **nom. nov.**
PTYCHOPARIIDA	PROASAPHISCIDAE	*Deltocephalus* Ogienko, 1969	*Deltocephalus* Burmeister, 1838 (Homoptera)	*Atilayus* **nom. nov.**
PTYCHOPARIIDA	PROASAPHISCIDAE	*Farsia* Wolfart, 1974	*Farsia* Amsel, 1961 (Lepidoptera)	*Wolfartius* **nom. nov.**
PTYCHOPARIIDA	PTYCHOPARIIDAE	*Blairella* Rasetti, 1965	*Blairella* Miller & Gurley, 1896 (Mollusca)	*Neoblairella* **nom. nov.**
PTYCHOPARIIDA	PTYCHOPARIIDAE	*Regina* Egorova, 1967	*Regina* Baird & Girard, 1853 (Reptilia)	*Neoregina* **nom. nov.**