

SUBSTITUTE NAMES FOR SOME UNICELLULAR ANIMAL TAXA (PROTOZOA)

Hüseyin Özdikmen*

* Gazi Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 06500 Ankara / TÜRKİYE,
email: ozdikmen@gazi.edu.tr

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ABSTRACT: Forty-eight junior homonyms were detected among the protozoon genus group names and the following replacement names are proposed: *Baileyella* nom. nov. pro *Durotrigia* Bailey, 1987; *Novedwardsiella* nom. nov. pro *Edwardsiella* Versteegh & Zevenboom, 1995; *Neofentonia* nom. nov. pro *Fentonia* Bailey & Hogg, 1995; *Neogippslandia* nom. nov. pro *Gippslandia* Stover & Williams, 1987; *Yesevius* nom. nov. pro *Goniodoma* Stein, 1883; *Akbuluta* nom. nov. pro *Hannaites* Mandra, 1969; *Phia* nom. nov. pro *Hanusia* Deane, Hill, Brett & McFadden, 1998; *Dodgeia* nom. nov. pro *Herdmania* Dodge, 1981; *Yildizia* nom. nov. pro *Lundiella* Sarma & Shyam, 1974; *Zugelia* nom. nov. pro *Normandia* Zügel, 1994; *Baserus* nom. nov. pro *Suessia* Morbey, 1975; *Belowius* nom. nov. pro *Wanneria* Below, 1987; *Volkanus* nom. nov. pro *Diplothecca* Valkanov, 1970; *Hollandeia* nom. nov. pro *Perkinsiella* Hollande, 1981; *Thomsenella* nom. nov. pro *Platypleura* Thomsen, 1983; *Elifa* nom. nov. pro *Dinema* Perty, 1852; *Semihia* nom. nov. pro *Metanema* Klebs, 1892; *Aneza* nom. nov. pro *Tejeraia* Anez, 1982; *Neopileolus* nom. nov. pro *Pileolus* Couteaux & Chardez, 1981; *Altineria* nom. nov. pro *Angelina* Altner, 1988; *Neocatena* nom. nov. pro *Catena* Schröder, Mediolì & Scott, 1989; *Turgutia* nom. nov. pro *Chenia* Sheng, 1963; *Neogallitellia* nom. nov. pro *Gallitellia* Loeblich & Tapan, 1986; *Mccullochia* nom. nov. pro *Krebsia* McCulloch, 1977; *Mccullochella* nom. nov. pro *Milesia* McCulloch, 1977; *Ugurus* nom. nov. pro *Mirifica* Shlykova, 1969; *Novonanlingella* nom. nov. pro *Nanlingella* Rui & Sheng, 1981; *Dojrana* nom. nov. pro *Natlandia* McCulloch, 1977; *Akcaya* nom. nov. pro *Sabaudia* Charollais & Brönnimann, 1966; *Novosetia* nom. nov. pro *Setia* Ferrandez & Canadell, 2002; *Novosigmella* nom. nov. pro *Sigmella* Azbel & Mikhalevich, 1983; *Kuremsia* nom. nov. pro *Sphaeridia* Heron-Allen & Earland, 1928; *Palmierina* nom. nov. pro *Teichertina* Palmieri, 1994; *Novamura* nom. nov. pro *Amuria* Whalen & Carter, 1998; *Enjumetia* nom. nov. pro *Bathysphaera* Hollande & Enjumet, 1960; *Haeckelocyphanta* nom. nov. pro *Cyphanta* Haeckel, 1887; *Blomeus* nom. nov. pro *Milax* Blome, 1984; *Novormistonina* nom. nov. pro *Ormistonina* Li Hong-sheng, 1994; *Deweeverus* nom. nov. pro *Riedelius* De Wever, 1982; *Wonia* nom. nov. pro *Scharfenbergia* Won Moon-Zoo, 1983; *Neosophia* nom. nov. pro *Sophia* Whalen & Carter, 1998; *Neozanola* nom. nov. pro *Zanola* Pessagno & Yang, 1989; *Ozdikmenella* nom. nov. pro *Clathrella* Penard, 1903; *Obvallatus* nom. nov. pro *Adelina* Hesse, 1911; *Neogarnia* nom. nov. pro *Garnia* Lainson, Landau & Shaw, 1971; *Hoshidella* nom. nov. pro *Loxomorpha* Hoshide, 1988; *Manastirliia* nom. nov. pro *Rayella* Dasgupta, 1967 and *Aliona* nom. nov. pro *Schizocystis* Léger, 1900. Accordingly, new combinations are herein proposed for the type species currently included in these genus groups. As a result of these nomenclatural changes, four new family group names Yeseviidae nom. nov., Baseridae nom. nov., Akcayinae nom. nov. and Ozdikmenellidae nom. nov. are also proposed for Goniodomidae, Suessiidae, Sabaudiinae and Clathrellidae.

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

Forty-eight proposed genus group names in Protozoa are nomenclaturally invalid, as the genus group names have already been used by different authors in various animal groups. In accordance with Article 60 of the International Code of Zoological Nomenclature, I propose substitute names for these genus group names.

TAXONOMY**PHYTOMASTIGOPHOREA****Genus *Baileyella* nom. nov.**

Durotrigia Bailey, 1987. J. Micropalaeontol. 6 (2): 89. (Protozoa: Sarcomastigophora: Mastigophora: Phytomastigophorea: Dinoflagellida: Diniferina: Gonyaulacidae). Type species: *Durotrigia daveyi* Bailey, 1987.

Preoccupied by *Durotrigia* Hoffstetter, 1967. In Lehman (Ed.). Problemes actuels de paleontologie. (Evolution des vertebres). Colloques int. Cent. natn. Rech. scient., Paris No. 163: 362. (Reptilia: Diapsida: Lepidosauria: Squamata: Sauria). Type species: *Durotrigia triconidens* Hoffstetter, 1967

Etymology: The name is dedicated to D. A. Bailey who is the author of the preexisting genus *Durotrigia*.

Summary of nomenclatural changes:

Genus *Baileyella* **nom. nov.**

pro *Durotrigia* Bailey, 1987 (non Hoffstetter, 1967)

Type species *Baileyella daveyi* (Bailey, 1987) **comb. nov.**

from *Durotrigia daveyi* Bailey, 1987

Genus *Novedwardsiella* nom. nov.

Edwardsiella Versteegh & Zevenboom, 1995. Rev. Palaeobot. Palynol. 85 (3-4), 217 (Protozoa: Sarcomastigophora: Mastigophora: Phytomastigophorea: Dinoflagellida: Gonyaulacidae). Type species: *Edwardsiella sexispinosum* Versteegh & Zevenboom, 1995.

Preoccupied by *Edwardsiella* Andres, 1883. Atti Accad. Lincei, Mem., (3) 14, 301, 305. (Cnidaria: Anthozoa: Hexacorallia: Actiniaria). Type species: *Edwardsia carnea* Gosse, 1856.

Etymology: from the Latin word "nova" (meaning "new" in English) + the preexisting genus name *Edwardsiella*.

Summary of nomenclatural changes:

Genus *Novedwardsiella* **nom. nov.**

pro *Edwardsiella* Versteegh & Zevenboom, 1995 (non Andres, 1883; nec Rukhkin, 1937)

Type species *Novedwardsiella sexispinosum* (Versteegh & Zevenboom, 1995) **comb. nov.**

from *Edwardsiella sexispinosum* Versteegh & Zevenboom, 1995

Genus *Noefentonia* nom. nov.

Fentonia Bailey & Hogg, 1995. J. Micropalaeontol. 14 (1), April: 58. (Protozoa: Sarcomastigophora: Mastigophora: Phytomastigophorea: Dinoflagellida). Type species: *Parvocysta bjaerkei* Smelror, 1987.

Preoccupied by *Fentonia* Butler, 1881. Trans. ent. Soc. London, 1881, 20. (Insecta: Lepidoptera: Noctuoidea: Notodontidae). Type species: *Fentonia laevis* Butler, 1881.

Etymology: from the Latin prefix "neo-" (meaning "new" in English) + the preexisting genus name *Fentonia*.

Summary of nomenclatural changes:

Genus *Noefentonia* **nom. nov.**

pro *Fentonia* Bailey & Hogg, 1995 (non Butler, 1881)

Type species *Neofentonia bjaerkei* (Smelror, 1987) **comb. nov.**
 from *Fentonia bjaerkei* (Smelror, 1987)
Parvocysta bjaerkei Smelror, 1987

Genus *Neogippslandia* nom. nov.

Gippslandia Stover & Williams, 1987. AASP (Am. Assoc. Stratigr. Palynol.) Contrib. Ser. No. 18: 107. (Protozoa: Sarcomastigophora: Mastigophora: Phytomastigophorea: Dinoflagellida: Peridiniidae). Type species: *Gippslandia extensa* Stover & Williams, 1987.

Preoccupied by *Gippslandia* Bayly & Arnott, 1969. Aust. J. mar. Freshwat. Res. 20: 191. (Crustacea: Copepoda: Calanoida: Centropagidae). Type species: *Gippslandia estuarina* Bayly & Arnott, 1969.

Etymology: from the Latin prefix “neo-” (meaning “new” in English) + the preexisting genus name *Gippslandia*.

Summary of nomenclatural changes:

Genus *Neogippslandia* **nom. nov.**

pro *Gippslandia* Stover & Williams, 1987 (non Bayly & Arnott, 1969)

Type species *Neogippslandia extensa* (Stover & Williams, 1987) **comb. nov.**

from *Gippslandia extensa* Stover & Williams, 1987

Family Yeseviidae nom. nov.

Genus *Yesevius* nom. nov.

Goniodoma Stein, 1883. Org. Infus., 3 (2) 12. (Protozoa: Sarcomastigophora: Mastigophora: Phytomastigophorea: Dinoflagellida: Goniodomataceae=Goniodomidae). Type species: *Peridinium acuminatum* Ehrenberg, 1838.

Preoccupied by *Goniodoma* Zeller, 1849. Linnaea Entom., 4, 195. (Insecta: Lepidoptera: Gelechioidea: Coleophoridae). Type species: *Goniodoma auroguttella* Zeller, 1849.

Etymology: The name is dedicated to the famous Turkish philosopher Hoca Ahmet Yesevi.

In addition to this, I herein propose the replacement name Gomezellidae new name for the family name Goniodomidae because its type genus *Goniodoma* Stein, 1883 is invalid and the type genus of a family-group name must be valid.

Summary of nomenclatural changes:

Family Yeseviidae **nom. nov.**

pro Goniodomidae

Genus *Yesevius* **nom. nov.**

pro *Goniodoma* Stein, 1883 (non Zeller, 1849)

syn. *Triadinium* Dodge, 1981 (preoccupied by ciliate genus *Triadinium* Fiorentini, 1890)

Type species *Yesevius acuminatus* (Ehrenberg, 1838) **comb. nov.**

from *Goniodoma acuminatum* (Ehrenberg, 1838)

Peridinium acuminatum Ehrenberg, 1838

Genus *Akbuluta* nom. nov.

Hannaites Mandra, 1969. Occ. Pap. Calif. Acad. Sci. 77: 2. (Protozoa: Sarcomastigophora: Mastigophora: Phytomastigophorea: Silicoflagellida: Silicoflagellidae). Type species: *Hannaites quadria* Mandra, 1969.

Preoccupied by *Hannaites* Imlay, 1957. J. Wash. Acad. Sci. 47: 275. (Mollusca: Cephalopoda: Ammonidea). Type species: *Hannaites riddlensis* Imlay, 1957.

Etymology: The name is dedicated to Associate Prof. Dr. Aydın Akbulut (Turkey).

Summary of nomenclatural changes:

Genus *Akbuluta* **nom. nov.**

pro *Hannaites* Mandra, 1969 (non Imlay, 1957)

Type species *Akbuluta quadria* (Mandra, 1969) **comb. nov.**

from *Hannaites quadria* Mandra, 1969

Genus *Phia* nom. nov.

Hanusia Deane, Hill, Brett & McFadden, 1998. Eur. J. Phycol. 33 (2), May: 153. (Protozoa: Sarcostigmaphora: Mastigophora: Phytomastigophorea: Cryptomonadida). Type species: *Hanusia phi* Deane, Hill, Brett & McFadden, 1998.

Preoccupied by *Hanusia* Cripps, 1989. Geobios (Lyon) 22 (2): 219. (Echinodermata: Homalozoa: Stylophora: Cornuta). Type species: *Hanusia prilepensis* Cripps, 1989.

Etymology: from the species epithet "*phi*".

Summary of nomenclatural changes:

Genus *Phia* **nom. nov.**

pro *Hanusia* Deane, Hill, Brett & McFadden, 1998 (non Cripps, 1989)

Type species *Phia phi* (Deane, Hill, Brett & McFadden, 1998) **comb. nov.**

from *Hanusia phi* Deane, Hill, Brett & McFadden, 1998

Genus *Dodgeia* nom. nov.

Herdmania Dodge, 1981. British phycol. J. 16 (3): 274. (Protozoa: Sarcostigmaphora: Mastigophora: Phytomastigophorea: Dinoflagellida: Lophodiniidae). Type species: *Herdmania litoralis* Dodge, 1981.

Preoccupied by *Herdmania* Lahille, 1888. C. R. Ass. Franç., 16, 1887, 677. (Chordata: Tunicata: Ascidiacea: Stolidobranchia: Pyuridae). Type species: *Cynthia momus* Savigny, 1816.

Etymology: The name is dedicated to J. D. Dodge who is the author name of the preexisting genus *Herdmannia*.

Summary of nomenclatural changes:

Genus *Dodgeia* **nom. nov.**

pro *Herdmania* Dodge, 1981 (non Lahille, 1888; non Thompson, 1893; non Hartmeyer, 1900; non Metcalf, 1900; nec Ritter, 1903)

Type species *Dodgeia litoralis* (Dodge, 1981) **comb. nov.**

from *Herdmania litoralis* Dodge, 1981

Genus *Yildizia* nom. nov.

Lundiella Sarma & Shyam, 1974. Br. phycol. J. 9: 307. (Protozoa: Sarcostigmaphora: Mastigophora: Phytomastigophorea: Volvocida: Volvocina: Volvocidae). Type species: *Lundiella indica* Sarma & Shyam, 1974.

Preoccupied by *Lundiella* Carvalho, 1951. Ent. Medd., 26, 132. (Insecta: Hemiptera: Heteroptera: Miridae). Type species: *Cimatlan pertingens* Distant, 1893.

Etymology: The name is dedicated to Prof. Dr. Kazım Yıldız (Turkey).

Summary of nomenclatural changes:

Genus *Yildizia* **nom. nov.**

pro *Lundiella* Sarma & Shyam, 1974 (non Carvalho, 1951)

Type species *Yildizia indica* (Sarma & Shyam, 1974) **comb. nov.**
from *Lundiella indica* Sarma & Shyam, 1974

Genus *Zugelia* nom. nov.

Normandia Zügel, 1994. Cour. Forschungsinst. Senckenb. 176, 5 Dezember: 30. (Protozoa: Sarcomastigophora: Mastigophora: Phytomastigophorea: Dinoflagellida: Pithonelloidea).
Type species: *Normandia circumperforata* Zügel, 1994

Preoccupied by *Normandia* Pic, 1900. Bull. Soc. ent. France, 1900, 267. (Insecta: Coleoptera: Dryopoidea: Elmidae). Type species: *Normandia nitens* (Müller, 1817).

Etymology: The name is dedicated to P. Zügel who is the author name of the preexisting genus *Normandia*.

Summary of nomenclatural changes:

Genus *Zugelia* **nom. nov.**

pro *Normandia* Zügel, 1994 (non Pic, 1900)

Type species *Zugelia circumperforata* (Zügel, 1994) **comb. nov.**
from *Normandia circumperforata* Zügel, 1994

Family Baseridae nom. nov.

Genus *Baserus* nom. nov.

Suessia Morbey, 1975. Palaeontographica 152B: 39. (Protozoa: Sarcomastigophora: Mastigophora: Phytomastigophorea: Dinoflagellida: Suessiales: Suessiidae=Suessiaceae).
Type species: *Suessia swabiana* Morbey, 1975.

Preoccupied by *Suessia* Deslongchamps, 1855. Annuaire Inst. Prov., 1855, 535. (Brachiopoda: Rhynchonelliformea: Rhynchonellata: Spiriferinida: Cyrtinidina: Suessioidea: Suessiidae). Type species: *Suessia costata* Deslongchamps, 1855.

Etymology: The name is dedicated to Dr. Birol Başer (Turkey).

In addition to this, I herein propose the replacement name Baseridae new name for the family name Suessiidae because its type genus *Suessia* Morbey, 1975 is invalid and the type genus of a family group name must be valid.

Summary of nomenclatural changes:

Family Baseridae **nom. nov.**

pro Suessiidae=Suessiaceae

Genus *Baserus* **nom. nov.**

pro *Suessia* Morbey, 1975 (non Deslongchamps, 1855)

Type species *Baserus swabiana* (Morbey, 1975) **comb. nov.**
from *Suessia swabiana* Morbey, 1975

Genus *Belowius* nom. nov.

Wanneria Below, 1987. Palaeontogr. Abt. B. Palaeophytol. 205 (1-6): 72. (Protozoa: Sarcomastigophora: Mastigophora: Phytomastigophorea: Dinoflagellida: Suessiidae). Type species: *Wanneria misolensis* Below, 1987.

Preoccupied by *Wanneria* Walcott, 1908. Smithson. misc. Coll., 53, 296. (Trilobita: Redlichiida: Olenellina: Olenelloidea: Olenellidae). Type species: *Olenellus (Holmia) walcottanus* Wanner, 1901.

Etymology: The name is dedicated to R. Below who is the author name of the preexisting genus *Wanneria*.

Summary of nomenclatural changes:

Genus *Belowius* **nom. nov.**

pro *Wanneria* Below, 1987 (non Walcott, 1908)

Type species *Belowius misolensis* (Below, 1987) **comb. nov.**

from *Wanneria misolensis* Below, 1987

ZOOMASTIGOPHOREA

Genus *Volkanus* **nom. nov.**

Diplothea Valkanov, 1970. Zool. Anz. 184: 272. (Protozoa: Sarcomastigophora: Mastigophora: Zoomastigophorea: Choanoflagellida: Acanthoecida: Acanthoecidae). Type species: *Diplothea costata* Valkanov, 1970.

Preoccupied by *Diplothea* Matthew, 1885. Canad. Record. Sci., 1, no. 3, 149; 1885, Amer. J. Sci., (3) 30, 293. (Mollusca: Hyolitha: Hyolithida). Type species: *Diplothea acadica* Matthew, 1885.

Etymology: The name is dedicated to Volkan Yanmaz (Turkey).

Summary of nomenclatural changes:

Genus *Volkanus* **nom. nov.**

pro *Diplothea* Valkanov, 1970 (non Matthew, 1885)

Type species *Volkanus costatus* (Valkanov, 1970) **comb. nov.**

from *Diplothea costata* Valkanov, 1970

Genus *Hollandeia* **nom. nov.**

Perkinsiella Hollande, 1981. Protistologica 26 (4): 622. (Protozoa: Sarcomastigophora: Mastigophora: Zoomastigophorea: Kinetoplastida). Type species: *Perkinsiella amoebae* Hollande, 1981.

Preoccupied by *Perkinsiella* Kirkaldy, 1903. Entomologist, 36, 179. (Insecta: Hemiptera: Fulgoromorpha: Delphacidae: Delphacinae: Delphacini). Type species: *Perkinsiella saccharicida* Kirkaldy, 1903.

Etymology: The name is dedicated to A. Hollande who is the author of the preexisting genus *Perkinsiella*.

Summary of nomenclatural changes:

Genus *Hollandeia* **nom. nov.**

pro *Perkinsiella* Hollande, 1981 (non Kirkaldy, 1903)

Type species *Hollandeia amoebae* (Hollande, 1981) **comb. nov.**

from *Perkinsiella amoebae* Hollande, 1981

Genus *Thomsenella* **nom. nov.**

Platypleura Thomsen, 1983. In Thomsen & Boonruang, 1983. Protistologica, 19 (2): 204. (Protozoa: Sarcomastigophora: Mastigophora: Zoomastigophorea: Choanoflagellida: Acanthoecidae). Type species: *Parvicorbicula infundibuliformis* Leadbeater, 1974.

Preoccupied by *Platypleura* Amyot & Serville, 1843. (Roret's Suite à Buffon) Hémiptères, 465. (Insecta: Hemiptera: Cicadidae: Cicadinae: Platypleurini). Type species: *Platypleura clara* Amyot & Serville, 1843.

Etymology: The name is dedicated to H. A. Thomsen who is the author of the preexisting genus *Platypleura*.

Summary of nomenclatural changes:

Genus *Thomsenella* **nom. nov.**

pro *Platypleura* Thomsen, 1983 (non Amyot & Serville, 1843; nec Pomel, 1887)

Type species *Thomsenella infundibuliformis* (Leadbeater, 1974) **comb. nov.**

from *Platypleura infundibuliformis* (Leadbeater, 1974)

Parvicorbicula infundibuliformis Leadbeater, 1974

EUGLENOZOA

Genus *Elifa* **nom. nov.**

Dinema Perty, 1852. Kennt. Lebensform., 169. (Protozoa: Euglenozoa: Plicostoma: Euglenoidea). Type species: *Dinema griseola* Perty, 1852.

Preoccupied by *Dinema* Fairmaire, 1849. Rev. Mag. Zool., (2) 1, 457. (Insecta: Coleoptera: Curculionioidea: Anthribidae: Anthribinae: Jordanthribini). Type species: *Dinema filicorne* Fairmaire, 1849.

Etymology: The new name is dedicated to my daughter Elif Gül Özdikmen (Turkey). It is feminine in gender.

Summary of nomenclatural changes:

Genus *Elifa* **nom. nov.**

pro *Dinema* Perty, 1852 (non Fairmaire, 1849; nec Beneden, 1867)

Type species *Elifa griseola* (Perty, 1852) **comb. nov.**

from *Dinema griseola* Perty, 1852

Genus *Semihia* **nom. nov.**

Metanema Klebs, 1892. Z. wiss. Zool., 55, 385. (Protozoa: Euglenozoa: Euglenida: Sphenomonadina: Sphenomonadidae). Type species: *Metanema variable* Klebs, 1892.

Preoccupied by *Metanema* Guenée, 1857. In Boissduval & Guenée, Hist. nat. Ins., Spec. gén. Lép., 9, 171. (Insecta: Lepidoptera: Geometrioidea: Geometridae: Ennominae). Type species: *Metanema inatomaria* Guenée, 1857.

Etymology: The name is dedicated to Semih Çalamak (Turkey).

Summary of nomenclatural changes:

Genus *Semihia* **nom. nov.**

pro *Metanema* Klebs, 1892 (non Guenée, 1857)

Type species *Semihia variable* (Klebs, 1892) **comb. nov.**

from *Metanema variable* Klebs, 1892

Genus *Tripanosoma* Stiles & Hassall, 1925

Subgenus *Aneza* **nom. nov.**

Tejeraia Anez, 1982. Memorias Inst. Oswaldo Cruz 77 (4): 411. (Protozoa: Euglenozoa: Kinetoplastea: Tripanosomatida: Tripanosomatidae: *Tripanosoma*). Type species: *Tripanosoma rangeli* Tejera, 1920.

Preoccupied by *Tejeraia* Diaz-Ungria, 1964. Anns. Parasit. hum. comp. 38: 904. (Nematoda: Spirurida: Spiruroidea). Type species: *Tejeraia mediospirallis* Diaz-Ungria, 1964.

Etymology: The name is dedicated to N. Anez who is the author of the preexisting subgenus *Tejeraia*.

Summary of nomenclatural changes:

Genus *Tripanosoma* Stiles & Hassall, 1925

Subgenus *Aneza* **nom. nov.**

pro *Tejeraia* Anez, 1982 (non Diaz-Ungria, 1964)

Type species *Tripanosoma (Aneza) rangeli* Tejera, 1920 **comb. nov.**

from *Tripanosoma (Tejeraia) rangeli* Tejera, 1920

ACTINOPODA

TESTACEA

Genus *Neopileolus* **nom. nov.**

Pileolus Couteaux & Chardez, 1981. Revue Ecol. Biol. Sol 18 (2): 202. (Protozoa: Rhizopoda: Testacea: Euglyphida: Trinematidae). Type species: *Pileolus tuberosus* Couteaux & Chardez, 1981.

Preoccupied by *Pileolus* Sowerby, 1823. Gen. Shells, pt. 19, pl. 187. (Mollusca: Gastropoda: Orthogastropoda: Neritopsina: Neritoidea: Pileolidae). Type species: *Pileolus plicatus* Sowerby, 1823.

Etymology: from the Latin prefix “neo-” (meaning “new” in English) + the preexisting genus name *Pileolus*.

Summary of nomenclatural changes:

Genus *Neopileolus* **nom. nov.**

pro *Pileolus* Couteaux & Chardez, 1981 (non Sowerby, 1823; non Lesson, 1831; non Ehrenberg, 1843; nec Spriestersbach, 1919)

Type species *Neopileolus tuberosus* (Couteaux & Chardez, 1981) **comb. nov.**

from *Pileolus tuberosus* Couteaux & Chardez, 1981

FORAMINIFERA

Genus *Altineria* **nom. nov.**

Angelina Altner, 1988. Rev. Paleobiol. Volume special No. 2 (1): 28. (Protozoa: Foraminifera).

Preoccupied by *Angelina* Salter, 1859. In Murchison, Siluria, ed. 3, 53. (Trilobita: Ptychopariida: Olenina: Olenidae). Type species: *Angelina sedwickii* Salter, 1859.

Etymology: The name is dedicated to D. Altner who is the author of the preexisting genus *Angelina*.

Summary of nomenclatural changes:

Genus *Altineria* **nom. nov.**

pro *Angelina* Altner, 1988 (non Salter, 1859)

Genus *Neocatena* **nom. nov.**

Catena Schröder, Medioli & Scott, 1989. Micropaleontology (N Y) 35 (1): 40. (Protozoa: Foraminifera: Baculellidae). Type species: *Catena piriformis* Schröder, Medioli & Scott, 1989.

Preoccupied by *Catena* Richter, 1975. Nasekom. Mongol. 3: 635. (Insecta: Diptera: Tachinidae) (see O'Hara, 2007). Type species: *Catena serena* Richter, 1975.

Etymology: from the Latin prefix “neo-” (meaning “new” in English) + the preexisting genus name *Catena*.

Summary of nomenclatural changes:

Genus *Neocatena* **nom. nov.**

pro *Catena* Schröder, Mediolli & Scott, 1989 (non Richter, 1975)

Type species *Neocatena piriformis* (Schröder, Mediolli & Scott, 1989) **comb. nov.**
from *Catena piriformis* Schröder, Mediolli & Scott, 1989

Genus *Turgutia* nom. nov.

Chenia Sheng, 1963. Palaeont. sin. 149 (N.S.) (B) No. 10: 213. (Protozoa: Foraminifera: Fusulinina: Fusulinacea: Staffellidae). Type species: *Chenia kwangsiensis* Sheng, 1963.

Preoccupied by *Chenia* Hsu, 1954. Acta Zool. Sinica 6, 33, 36. (Trematoda: Derogenidae). Type species: *Chenia cheni* Hsu, 1954.

Etymology: The name is dedicated to Semra Turgut (Haliloğlu) (Turkey).

Summary of nomenclatural changes:

Genus *Turgutia* **nom. nov.**

pro *Chenia* Sheng, 1963 (non Hsu, 1954)

Type species *Turgutia kwangsiensis* (Sheng, 1963) **comb. nov.**
from *Chenia kwangsiensis* Sheng, 1963

Genus *Neogallitellia* nom. nov.

Gallitellia Loeblich & Tapan, 1986. Transactions Am. microsc. Soc. 105 (3): 249. (Protozoa: Foraminifera: Heterohelicacea: Guembeltriidae). Type species: *Guembeltria vivans* Cushman, 1934.

Preoccupied by *Gallitellia* Cuif, 1977. Memoires Bur. Rech. geol. minier. No. 89: 260. (Cnidaria: Anthozoa: Scleractinia). Type species: *Gallitellia seelandalpi* Cuif, 1977.

Etymology: from the Latin prefix “neo-” (meaning “new” in English) + the preexisting genus name *Gallitellia*.

Summary of nomenclatural changes:

Genus *Neogallitellia* **nom. nov.**

pro *Gallitellia* Loeblich & Tapan, 1986 (non Cuif, 1977)

Type species *Neogallitellia vivans* (Cushman, 1934) **comb. nov.**
from *Gallitellia vivans* (Cushman, 1934)
Guembeltria vivans Cushman, 1934

Genus *Mccullochia* nom. nov.

Krebsia McCulloch, 1977. Qualitative observations on recent foraminiferal tests with emphasis on the eastern Pacific. University of Southern California, Los Angeles, California: 19. (Protozoa: Foraminifera: Lagenida: Glandulinidae).

Preoccupied by *Krebsia* Mörch, 1877. Malak. Bl., 24, 97. (Mollusca: Gastropoda: Hypsogastropoda: Littorinimorpha: Capuloidea: Capulidae). Type species: *Capulus (Krebsia) intornus* Lamarck, 1822.

Etymology: The name is dedicated to I. McCulloch who is the author of the preexisting genus *Krebsia*.

Summary of nomenclatural changes:

Genus *Mccullochia* **nom. nov.**

pro *Krebsia* McCulloch, 1977 (non Moersch, 1877; nec Guppy, 1895)

Genus *Mccullochella* nom. nov.

Milesia McCulloch, 1977. Qualitative observations on recent foraminiferal tests with emphasis on the eastern Pacific. University of Southern California, Los Angeles, California: 307. (Protozoa: Foraminifera: Rotaliida: Rotaliacea: Discorbidae)

Preoccupied by *Milesia* Latreille, 1804. Nouv. Dict. H. N., 24 (Tab.), 194. (Insecta: Diptera: Syrphidae: Eristalinae: Milesiini). Type species: *Syrphus crabroniformis* Fabricius, 1775.

Etymology: The name is dedicated to I. McCulloch who is the author of the preexisting genus *Milesia*.

Summary of nomenclatural changes:

Genus *Mccullochella* **nom. nov.**

pro *Milesia* McCulloch, 1977 (non Latreille, 1804; nec Chapman, 1929)

Genus *Ugurus* nom. nov.

Mirifica Shlykova, 1969. Vop. Mikropaleont. 12: 49. (Protozoa: Foraminifera: Fusulinidia: Fusulinida: Endothyridae: Endothyriinae). Type species: *Endothyra mirifica* Rauzer-Chernousova, 1948.

Preoccupied by *Mirifica* Fletcher, 1956. Proc. R. ent. Soc. Lond. (B) 25: 33. (Insecta: Lepidoptera: Geometroidea: Geometridae: Geometrinae). Type species: *Mirifica variata* Fletcher, 1956.

Etymology: The name is dedicated to Uğur Akçay (Turkey).

Summary of nomenclatural changes:

Genus *Ugurus* **nom. nov.**

pro *Mirifica* Shlykova, 1969 (non Fletcher, 1956)

Type species *Ugurus mirificus* (Rauzer-Chernousova, 1948) **comb. nov.**

from *Mirifica mirifica* (Rauzer-Chernousova, 1948)

Endothyra mirifica Rauzer-Chernousova, 1948

Genus *Novonanlingella* nom. nov.

Nanlingella Rui & Sheng, 1981. Special Pap. geol. Soc. Am. No. 187: 35. (Protozoa: Foraminifera: Fusulinidia: Fusulinida: Fusulinina: Fusinacea: Schubertellidae: Boultoniinae). Type species: *Nanlingella meridionalis* Rui & Sheng, 1981.

Preoccupied by *Nanlingella* Xiong & Wang, 1980. In Meitan, Kexue, Yanjiuyuan, Dizhi, Kantan, Yanjiusuo 1980. [Mesozoic fossils of coal-bearing strata in Hunan Hubei & Jiangxi Provinces.] Di 2 fence. Shuangqiao gang huashi. (Mollusca: Bivalvia: Autolamellibranchiata: Pteriomorphia: Pterioida).

Etymology: from the Latin word “nova” (meaning “new” in English) + the preexisting genus name *Nanlingella*.

Summary of nomenclatural changes:

Genus *Novonanlingella* **nom. nov.**

pro *Nanlingella* Rui & Sheng, 1981 (non Xiong & Wang, 1980)

Type species *Novonanlingella meridionalis* (Rui & Sheng, 1981) **comb. nov.**

from *Nanlingella meridionalis* Rui & Sheng, 1981

Genus *Doyrana* nom. nov.

Natlandia McCulloch, 1977. Qualitative observations on recent foraminiferal tests with emphasis on the eastern Pacific. University of Southern California, Los Angeles, California: 346. (Protozoa: Foraminifera: Rotaliina: Discorbacea: Bagginidae: Baggininae). Type species: *Natlandia secasensis* McCulloch, 1977.

Preoccupied by *Natlandia* David, 1946. Contrib. Paleont., Carnegie Inst. Wash., 551, 97. (Chordata: Osteichthyes: Actinopterygii: Neopterygii: Teleostei: Salmoniformes). Type species: *Natlandia ornata* David, 1946.

Etymology: The name is dedicated to Associate Prof. Dr. Emine Yıldız Doyran (Turkey).

Summary of nomenclatural changes:

Genus *Doyrana* **nom. nov.**

pro *Natlandia* McCulloch, 1977 (non David, 1946)

Type species *Doyrana secasensis* (McCulloch, 1977) **comb. nov.**

from *Natlandia secasensis* McCulloch, 1977

Subfamily Akcayinae nom. nov.**Genus *Akcaya* nom. nov.**

Sabaudia Charollais & Brönnimann, 1966. Archs. Sci. Geneve 18: 616. (Protozoa: Foraminifera: Textulariida: Textulariida: Cuneolinidae: Sabaudiinae). Type species: *Textulariella minuta* Hofker, 1965.

Preoccupied by *Sabaudia* Ghigi, 1909. Racc. plancton., 2, no. 1, 19. (Ctenophora: Tentaculata: Typhlocoela: Cydippida: Pleurobrachiidae). Type species: *Sabaudia liguriae* Ghigi, 1909.

Etymology: The name is dedicated to the family Akçay (Turgut, Günay, Meltem and Uğur Akçay)(Turkey).

In addition to this, I herein propose the replacement name Akcayinae new name for the subfamily name Sabaudiinae because its type genus *Sabaudia* Charollais & Brönnimann, 1966 is invalid and the type genus of a family-group name must be valid.

Summary of nomenclatural changes:

Subfamily Akcayinae **nom. nov.**

pro Sabaudiinae

Genus *Akcaya* **nom. nov.**

pro *Sabaudia* Charollais & Brönnimann, 1966 (non Ghigi, 1909)

Type species *Akcaya minuta* (Hofker, 1965) **comb. nov.**

from *Sabaudia minuta* (Hofker, 1965)

Textulariella minuta Hofker, 1965

Genus *Novosetia* nom. nov.

Setia Ferrandez & Canadell, 2002. J. Foraminiferal Res. 32 (1), January: 7. (Protozoa: Foraminifera: Orbitoidae). Type species: *Lepidorbitoides tibetica* Douvillé, 1916.

Preoccupied by *Setia* Adams & Adams, 1852. Ann. Mag. nat. Hist., (2) 10, 359. (Mollusca: Gastropoda: Orthogastropoda: Caenogastropoda: Hypsogastropoda: Littorinimorpha: Rissoidea: Rissoidae: Rissoinae). Type species: *Setia pulcherrima* (Jeffreys, 1848).

Etymology: from the Latin word “nova” (meaning “new” in English) + the preexisting genus name *Setia*.

Summary of nomenclatural changes:

Genus *Novosetia* **nom. nov.**

pro *Setia* Ferrandez & Canadell, 2002 (non Adams & Adams, 1852)

Type species *Novosetia tibetica* (Douvillé, 1916) **comb. nov.**

from *Setia tibetica* (Douvillé, 1916)

Lepidorbitoides tibetica Douvillé, 1916

Genus *Novosigmella* nom. nov.

Sigmella Azbel & Mikhalevich, 1983. In Mikhalevich, 1983. The bottom Foraminifera from the shelves of the tropical Atlantik. Akademiya Nauk SSSR, Leningrad: 121. (Protozoa: Foraminifera: Miliolina: Miliolacea: Hauerinidae: Sigmolinitinae). Type species: *Planispirina edwarsi* Schlumberger, 1887.

Preoccupied by *Sigmella* Hebard, 1940. Ent. News, 51, 236. (Insecta: Dictyoptera: Blattodea: Blaberoidea: Blattellidae: Blattellinae). Type species: Type species information not available.

Etymology: from the Latin word “nova” (meaning “new” in English) + the preexisting genus name *Sigmella*.

Summary of nomenclatural changes:

Genus *Novosigmella* **nom. nov.**

pro *Sigmella* Azbel & Mikhalevich, 1983 (non Hebard, 1940)

Type species *Novosigmella edwarsi* (Schlumberger, 1887) **comb. nov.**

from *Sigmella edwarsi* (Schlumberger, 1887)

Planispirina edwarsi Schlumberger, 1887

Genus *Kuremsia* nom. nov.

Sphaeridia Heron-Allen & Earland, 1928. J. R. micr. Soc., (3) 48, 286, 294. (Protozoa: Foraminifera: Rotaliina: Discorbacea: Pegidiidae). Type species: *Sphaeridia papillata* Heron-Allen & Earland, 1928.

Preoccupied by *Sphaeridia* Linnaniemi, 1912. Acta Soc. Sci. Fenn., 40, 248. (Insecta: Collembola: Symphyleona: Sminthuridae). Type species: *Sminthurus pumilis* Krausbauer, 1898.

Etymology: from the Turkish “küremsi” (meaning “like sphere” in English).

Summary of nomenclatural changes:

Genus *Kuremsia* **nom. nov.**

pro *Sphaeridia* Heron-Allen & Earland, 1928 (non Linnaniemi, 1912)

Type species *Kuremsia papillata* (Heron-Allen & Earland, 1928) **comb. nov.**

from *Sphaeridia papillata* Heron-Allen & Earland, 1928

Genus *Palmierina* nom. nov.

Teichertina Palmieri, 1994. Qld Geol. 6: 8. (Protozoa: Foraminifera: Textulariina: Astorhizoidea: Psammosphaeridae: Psammosphaerinae). Type species: *Crithionia teichertii* Parr, 1942.

Preoccupied by *Teichertina* Veevers, 1959. Bull. Bur. Miner. Resour. Geol. Geophys. Aust. 45: 37. (Brachiopoda: Enteletacea: Dalmanellidae). Type species: *Teichertina fitzroyensis* Veevers, 1959.

Etymology: The name is dedicated to V. Palmieri who is the author of the preexisting genus *Teichertina*.

Summary of nomenclatural changes:

Genus *Palmierina* **nom. nov.**

pro *Teichertina* Palmieri, 1994 (non Veevers, 1959)

Type species *Palmierina teichertii* (Parr, 1942) **comb. nov.**

from *Teichertina teichertii* (Parr, 1942)

Crithionina teichertii Parr, 1942

RADIOLARIA

Genus *Novamuria* **nom. nov.**

Amuria Whalen & Carter, 1998. Geol. Surv. Can. Bull. 496: 56. (Protozoa: Actinopoda: Radiolaria: Polycystina: Spumellaria: Xiphostylidae). Type species: *Amuria impensa* Whalen & Carter, 1998.

Preoccupied by *Amuria* Staudinger, 1887. In Romanoff, Mém. Lép., 3, 172. (Insecta: Lepidoptera: Zygaenoidea: Zygaenidae: Procridae). Type species: *Amuria cyclops* Staudinger, 1887.

Etymology: from the Latin word “nova” (meaning “new” in English) + the preexisting genus name *Amuria*.

Summary of nomenclatural changes:

Genus *Novamuria* **nom. nov.**

pro *Amuria* Whalen & Carter, 1998 (non Staudinger, 1887; non Brunner, 1893; nec Aurivillius, 1894)

Type species *Novamuria impensa* (Whalen & Carter, 1998) **comb. nov.**

from *Amuria impensa* Whalen & Carter, 1998

Genus *Enjumetia* **nom. nov.**

Bathysphaera Hollande & Enjumet, 1960. Archs. Mus. natn. Hist. nat. Paris (7) 7: 127. (Protozoa: Actinopoda: Radiolaria: Polycystina: Spumellaria). Type species: *Bathysphaera pelagica* Hollande & Enjumet, 1960.

Preoccupied by *Bathysphaera* Beebe, 1932. Bull. New York zool. Soc., 35, 175. (Actinopterygii: Stomiiformes: Stomiidae: Melanostomiinae). Type species: *Bathysphaera intacta* Beebe, 1932.

Etymology: The name is dedicated to M. Enjumet who is the second author of the preexisting genus name *Bathysphaera*.

Summary of nomenclatural changes:

Genus *Enjumetia* **nom. nov.**

pro *Bathysphaera* Hollande & Enjumet, 1960 (non Beebe, 1932)

Type species *Enjumetia pelagica* (Hollande & Enjumet, 1960) **comb. nov.**

from *Bathysphaera pelagica* Hollande & Enjumet, 1960

Genus *Haeckelocyphanta* **nom. nov.**

Cyphanta Haeckel, 1887. Rep. Voy. Challenger, Zool., 18 (1), 360. (Protozoa: Actinopoda: Radiolaria: Polycystina: Spumellaria). Type species: *Cyphanta leavis* Haeckel, 1887.

Preoccupied by *Cyphanta* Walker, 1865. List Specimens Lep. Ins. Brit. Mus., 33, 855. (Insecta: Lepidoptera: Noctuoidea: Notodontidae: Platychnastriinae). Type species: *Cyphanta xanthochlora* Walker, 1865.

Etymology: The name is dedicated to E. Haeckel who is the author of the preexisting genus *Cyphanta*.

Summary of nomenclatural changes:

Genus *Haekelocyphanta* **nom. nov.**

pro *Cyphanta* Haeckel, 1887 (non Walker, 1865)

Type species *Haekelocyphanta leavis* (Haeckel, 1887) **comb. nov.**

from *Cyphanta leavis* Haeckel, 1887

Genus *Blomeus* nom. nov.

Milax Blome, 1984. Micropaleontology, 30 (4): 372. (Protozoa: Actinopoda: Radiolaria: Polycystina: Nassellaria: Eucyrtidiacea: Eucyrtidiidae). Type species: *Milax alienus* Blome, 1984.

Preoccupied by *Milax* Gray, 1855. Cat. Pulmonata Brit. Mus., 1, 174. (Mollusca: Gastropoda: Pulmonata: Milacidae). Type species: *Limax gagates* Dreparnaud, 1801.

Etymology: The name is dedicated to C. D. Blome who is the author of the preexisting genus *Milax*.

Summary of nomenclatural changes:

Genus *Blomeus* **nom. nov.**

pro *Milax* Blome, 1984 (non Gray, 1855)

Type species *Blomeus alienus* (Blome, 1984) **comb. nov.**

from *Milax alienus* Blome, 1984

Genus *Novormistonía* nom. nov.

Ormistonía Li Hong-sheng, 1994. Acta Micropalaeontol. Sin. 11 (2), Jun: 265. (Protozoa: Actinopoda: Radiolaria). Type species: *Ormistonía pteracaena* Li Hong-sheng, 1994.

Preoccupied by *Ormistonía* Maksimova, 1978. Ezhegodnik Vses. paleont. Obshch. 21: 98. (Trilobita: Proetida: Proetioidea: Proetidae). Type species: *Dechenella (Dechenella) teska* Ormiston, 1967.

Etymology: from the Latin word “nova” (meaning “new” in English) + the preexisting genus name *Ormistonía*.

Summary of nomenclatural changes:

Genus *Novormistonía* **nom. nov.**

pro *Ormistonía* Li Hong-sheng, 1994 (non Maksimova, 1978)

Type species *Novormistonía pteracaena* (Li Hong-sheng, 1994) **comb. nov.**

from *Ormistonía pteracaena* Li Hong-sheng, 1994

Genus *Deweeverus* nom. nov.

Riedelius De Wever, 1982. Revue Micropaleont. 24 (4): 200. (Protozoa: Actinopoda: Radiolaria: Polycystina: Nassellaria: Foremanellinidae). Type species: *Riedelius williamsi* De Wever, 1982.

Preoccupied by *Riedelius* Hudec, 1961. Sb. nar. mus. Praze (B) 17: 110. (Mollusca: Gastropoda: Pulmonata: Oxychilidae: *Oxychilus*). Type species: *Oxychilus inopinatus* (Uličný, 1887).

Etymology: The name is dedicated to P. De Wever who is the author of the preexisting genus *Riedelius*.

Summary of nomenclatural changes:

Genus *Deweeverus* **nom. nov.**

pro *Riedelius* De Wever, 1982 (non Hudec, 1961)

Type species *Deweeverus williami* (De Wever, 1982) **comb. nov.**
from *Riedelius williami* De Wever, 1982

Genus *Wonía* nom. nov.

Scharfenbergia Won Moon-Zoo, 1983. Palaeontographica (A) 182 (4-6): 158. (Protozoa: Actinopoda: Radiolaria: Polycystina: Latentifistularia: Latentifistulidae). Type species: *Spongotripus concentricus* Rust, 1892.

Preoccupied by *Scharfenbergia* Oudemans, 1936. Arch. Naturgesch., (N.F.) 5, 412. (Arachnida: Acari: Prostigmata: Anystina: Anystoidea: Anystidae: Anystinae). Type species: *Actineda hilaris* Koch, 1836.

Etymology: The name is dedicated to M.-Z. Won who is the author of the preexisting genus *Scharfenbergia*.

Summary of nomenclatural changes:

Genus *Wonía* **nom. nov.**

pro *Scharfenbergia* Won Moon-Zoo, 1983 (non Oudemans, 1936)

Type species *Wonía concentricus* (Rust, 1892) **comb. nov.**

from *Scharfenbergia concentrica* (Rust, 1892)

Spongotripus concentricus Rust, 1892

Genus *Neosophia* nom. nov.

Sophia Whalen & Carter, 1998. In Carter, Whalen and Guex, 1998. Geol. Surv. Can. Bull. 496: 41. (Protozoa: Actinopoda: Radiolaria: Polycystina: Spumellaria: Hagiastriidae). Type species: *Sophia tuberis* Whalen & Carter, 1998.

Preoccupied by *Sophia* Robineau-Desvoidy, 1830. Mém. présentés Acad. Roy. Sci. Inst. France, 2, 317. (Insecta: Diptera: Tachinidae). Type species: *Sophia filipes* Robineau-Desvoidy, 1830.

Etymology: from the Latin prefix “neo-” (meaning “new” in English) + the preexisting genus name *Sophia*.

Summary of nomenclatural changes:

Genus *Neosophia* **nom. nov.**

pro *Sophia* Whalen & Carter, 1998 (non Robineau-Desvoidy, 1830; nec Lamarck, 1816)

Type species *Neosophia tuberis* (Whalen & Carter, 1998) **comb. nov.**

from *Sophia tuberis* Whalen & Carter, 1998

Genus *Neozanola* nom. nov.

Zanola Pessagno & Yang, 1989. In Pessagno, Six & Yang, 1989. Micropaleontology (N Y) 35 (3): 241. (Protozoa: Actinopoda: Radiolaria: Polycystina: Spumellaria: Xiphostylidae). Type species: *Triactoma cornuta* Baumgartner, 1980.

Preoccupied by *Zanola* Walker, 1855. List Specimens Lep. Ins. Brit. Mus., 5, 1173. (Insecta: Lepidoptera: Bombycoidea: Bombycidae: Apatelodinae). Type species: *Zanola difficilis* Walker, 1855.

Etymology: from the Latin prefix “neo-” (meaning “new” in English) + the preexisting genus name *Zanola*.

Summary of nomenclatural changes:

Genus *Neozanola* **nom. nov.**

pro *Zanola* Pessagno & Yang, 1989 (non Walker, 1855)

Type species *Neozanola cornuta* (Baumgartner, 1980) **comb. nov.**
 from *Zanola cornuta* (Baumgartner, 1980)
Triactoma cornuta Baumgartner, 1980

HELIOZOA

Family Ozdikmenellidae nom. nov.
Genus *Ozdikmenella* nom. nov.

Clathrella Penard, 1903. Arch. Protistenk., 2, 293. (Protozoa: Heliozoa: Desmothoracida: Clathrellidae). Type species: *Clathrella foreli* Penard, 1903.

Preoccupied by *Clathrella* Récluz, 1864. J. Conchyliol., 12, 251. (Mollusca: Gastropoda: Heterobranchia: Heterostropha: Pyramidelloidea: Amathinidae). Type species: *Fossarus clathrata* Philippi, 1844.

Etymology: The name is dedicated to the my family Özdikmen (Nurettin, Redife, Fahriye, Fehmi, Tülay, Zehra Gülşen, Çağrı, Hüseyin, Meltem, Elif Gül) (Turkey) .

In addition to this, I herein propose the replacement name *Ozdikmenella* new name for the family name Clathrellidae because its type genus *Clathrella* Penard, 1903 is invalid and the type genus of a family-group name must be valid.

Summary of nomenclatural changes:

Family Ozdikmenellidae **nom. nov.**

pro Clathrellidae

Genus *Ozdikmenella* **nom. nov.**

pro *Clathrella* Penard, 1903 (non Récluz, 1864)

Type species *Ozdikmenella foreli* Penard, 1903) **comb. nov.**

from *Clathrella foreli* Penard, 1903

APICOMPLEXA

Genus *Obvallatus* nom. nov.

Adelina Hesse, 1911. Arch. Zool. exp. gén. Paris, (5) 7 (Notes et Revue, xv-xix). (Protozoa: Myxozoa: Apicomplexa: Conoidasida: Coccidiasina: Eucoccidiorida: Adeleorina: Adeleidae). Type species: *Adelina octospora* Hesse, 1911.

Preoccupied by *Adelina* Dejean, 1835. Catal. Coléopt., 3, 315. (Insecta: Coleoptera: Tenebrionoidea: Tenebrionidae: Diaperinae: Diaperini: Adelinina). Type species: *Cucujus planus* Fabricius, 1801.

Etymology: from the Latin word “obvallatus” (meaning “irrefutable, consolidated or strengthen” in English).

Summary of nomenclatural changes:

Genus *Obvallatus* **nom. nov.**

pro *Adelina* Hesse, 1911 (non Dejean, 1835; nec Catraïne, 1841)

Type species *Obvallatus octosporus* (Hesse, 1911) **comb. nov.**

from *Adelina octospora* Hesse, 1911

Genus *Plasmodium* Marchiafava & Celli, 1885

Subgenus *Neogarnia* nom. nov.

Garnia Lainson, Landau & Shaw, 1971. Int. J. Parasit. 1: 247. (Protozoa: Apicomplexa: Eucoccidiiida: Haemosporina: Plasmodiidae: *Plasmodium*). Type species: *Garnia gonadoti* Lainson, Landau & Shaw, 1971.

Preoccupied by *Garnia* Casey, 1922. Mem. Col., 10, 151. (Insecta: Coleoptera: Curculionoidea: Curculionidae). Type species: *Garnia militaris* Casey, 1922.

Etymology: from the Latin prefix “neo-” (meaning “new” in English) + the preexisting subgenus name *Garnia*.

Summary of nomenclatural changes:

Genus *Plasmodium* Marchiafava & Celli, 1885

Subgenus *Neogarnia* **nom. nov.**

pro *Garnia* Lainson, Landau & Shaw, 1971 (non Casey, 1922)

Type species *Plasmodium (Neogarnia) gonadoti* (Lainson, Landau & Shaw, 1971) **comb. nov.**

from *Plasmodium (Garnia) gonadoti* (Lainson, Landau & Shaw, 1971)

Garnia gonadoti Lainson, Landau & Shaw, 1971

Genus *Hoshidella* nom. nov.

Loxomorpha Hoshide, 1988. Proc. Jpn. Soc. Syst. Zool. No. 37: 48. (Protozoa: Apicomplexa: Eugregarinida: Lecudinidae). Type species: *Loxomorpha harmothoe* Hoshide, 1988.

Preoccupied by *Loxomorpha* Amsel, 1956. Boln. Ent. venez. 10: 254. (Insecta: Lepidoptera: Pyraloidea: Crambidae: Spilomelinae). Type species: *Loxomorpha citrinalis* Amsel, 1956.

Etymology: The name is dedicated to K. Hoshide who is the author of the preexisting genus *Loxomorpha*.

Summary of nomenclatural changes:

Genus *Hoshidella* **nom. nov.**

pro *Loxomorpha* Hoshide, 1988 (non Amsel, 1956; nec Nielsen, 1964)

Type species *Hoshidella harmothoe* (Hoshide, 1988) **comb. nov.**

from *Loxomorpha harmothoe* Hoshide, 1988

Genus *Manastirliia* nom. nov.

Rayella Dasgupta, 1967. Parasitology 57: 471. (Protozoa: Apicomplexa: Coccidia: Eucoccidia: Haemosporina: Haemoproteidae). Type species: *Rayella rayi* Dasgupta, 1967.

Preoccupied by *Rayella* Teichert, 1939. J. Paleont., 13, 622. (Crustacea: Ostracoda). Type species: *Basslerites hansenii* Teichert, 1937.

Etymology: The name is dedicated to my student Sergey Manastirli (Moldova, Gagauziya).

Summary of nomenclatural changes:

Genus *Manastirliia* **nom. nov.**

pro *Rayella rayi* Dasgupta, 1967 (non Teichert, 1939)

Type species *Manastirliia rayi* (Dasgupta, 1967) **comb. nov.**

from *Rayella rayi* Dasgupta, 1967

Genus *Aliona* nom. nov.

Schizocystis Léger, 1900. C. R. Acad. Sci. Paris, 131, 722. (Protozoa: Apicomplexa: Conoidasida: Gregarinasina: Neogregarinorida: Schizocystidae). Type species: *Schizocystis gregarinoides* Léger, 1900.

Preoccupied by *Schizocystis* Jaekel, 1895. Verh. dtsh. zool. Ges., 1895, 113. (Echinodermata: Cystoidea: Rhombifera: Callocystitidae: Scoliocystinae). Type species: *Schizocystis armata* (Forbes, 1848).

Etymology: The name is dedicated to Aliona Orlioglo (Moldova, Gagauziya).

Summary of nomenclatural changes:

Genus *Aliona* **nom. nov.**

pro *Schizocystis* Léger, 1900 (non Jaekel, 1895)

Type species *Aliona gregarinoides* (Léger, 1900) **comb. nov.**

from *Schizocystis gregarinoides* Léger, 1900

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APPENDIX

Summary of the nomenclatural changes in the present paper.

Junior Homonym	Senior Homonym	New Names
<i>Durotrigia</i> Bailey, 1987	<i>Durotrigia</i> Hoffstetter, 1967	<i>Baileyella</i> nom. nov.
<i>Edwardsiella</i> Versteegh & Zevenboom, 1995	<i>Edwardsiella</i> Andres, 1883	<i>Novedwardsiella</i> nom. nov.
<i>Fentonia</i> Bailey & Hogg, 1995	<i>Fentonia</i> Butler, 1881	<i>Neofentonia</i> nom. nov.
<i>Gippslandia</i> Stover & Williams, 1987	<i>Gippslandia</i> Bayly & Arnott, 1969	<i>Neogippslandia</i> nom. nov.
<i>Goniodoma</i> Stein, 1883	<i>Goniodoma</i> Zeller, 1849	Family <i>Yeseviidae</i> nom. nov. Genus <i>Yesevius</i> nom. nov.
<i>Hannaites</i> Mandra, 1969	<i>Hannaites</i> Imlay, 1957	<i>Akbuluta</i> nom. nov.
<i>Hanusia</i> Deane, Hill, Brett & McFadden, 1998	<i>Hanusia</i> Cripps, 1989	<i>Phia</i> nom. nov.
<i>Herdmania</i> Dodge, 1981	<i>Herdmania</i> Lahille, 1888	<i>Dodgeia</i> nom. nov.
<i>Lundiella</i> Sarma & Shyam, 1974	<i>Lundiella</i> Carvalho, 1951	<i>Yildizia</i> nom. nov.
<i>Normandia</i> Zügel, 1994	<i>Normandia</i> Pic, 1900	<i>Zugelia</i> nom. nov.
<i>Suessia</i> Morbey, 1975	<i>Suessia</i> Deslongchamps, 1855	Family <i>Baseridae</i> nom. nov. Genus <i>Baserus</i> nom. nov.
<i>Wanneria</i> Below, 1987	<i>Wanneria</i> Walcott, 1908	<i>Belowius</i> nom. nov.
<i>Diplothea</i> Valkanov, 1970	<i>Diplothea</i> Matthew, 1885	<i>Volkanus</i> nom. nov.
<i>Perkinsiella</i> Hollande, 1981	<i>Perkinsiella</i> Kirkaldy, 1903	<i>Hollandeia</i> nom. nov.
<i>Platyleura</i> Thomsen, 1983	<i>Platyleura</i> Amyot & Serville, 1843	<i>Thomsenella</i> nom. nov.
<i>Dinema</i> Perty, 1852	<i>Dinema</i> Fairmaire, 1849	<i>Elifa</i> nom. nov.
<i>Metanema</i> Klebs, 1892	<i>Metanema</i> Guenée, 1857	<i>Semihia</i> nom. nov.
<i>Tejeraia</i> Anez, 1982	<i>Tejeraia</i> Diaz-Ungria, 1964	<i>Aneza</i> nom. nov.
<i>Pileolus</i> Couteaux & Chardez, 1981	<i>Pileolus</i> Sowerby, 1823	<i>Neopileolus</i> nom. nov.
<i>Angelina</i> Altner, 1988	<i>Angelina</i> Salter, 1859	<i>Altneria</i> nom. nov.
<i>Catena</i> Schröder, Mediolì & Scott, 1989	<i>Catena</i> Richter, 1975	<i>Neocatena</i> nom. nov.
<i>Chenia</i> Sheng, 1963	<i>Chenia</i> Hsu, 1954	<i>Turgutia</i> nom. nov.
<i>Gallitellia</i> Loeblich & Tapan, 1986	<i>Gallitellia</i> Cuif, 1977	<i>Neogallitellia</i> nom. nov.
<i>Krebsia</i> McCulloch, 1977	<i>Krebsia</i> Mörch, 1877	<i>Mccullochia</i> nom. nov.
<i>Milesia</i> McCulloch, 1977	<i>Milesia</i> Latreille, 1804	<i>Mccullochella</i> nom. nov.
<i>Mirifica</i> Shlykova, 1969	<i>Mirifica</i> Fletcher, 1956	<i>Ugurus</i> nom. nov.

Junior Homonym	Senior Homonym	New Names
<i>Nanlingella</i> Rui & Sheng, 1981	<i>Nanlingella</i> Xiong & Wang, 1980	<i>Novonanlingella</i> nom. nov.
<i>Natlandia</i> McCulloch, 1977	<i>Natlandia</i> David, 1946	<i>Doyrana</i> nom. nov.
<i>Sabaudia</i> Charollais & Brönnimann, 1966	<i>Sabaudia</i> Ghigi, 1909	Subfamily <i>Akcayinae</i> nom. nov. Genus <i>Akcaya</i> nom. nov.
<i>Setia</i> Ferrandez & Canadell, 2002	<i>Setia</i> Adams & Adams, 1852	<i>Novosetia</i> nom. nov.
<i>Sigmella</i> Azbel & Mikhalevich, 1983	<i>Sigmella</i> Hebard, 1940	<i>Novosigmella</i> nom. nov.
<i>Sphaeridia</i> Heron-Allen & Earland, 1928	<i>Sphaeridia</i> Linnaniemi, 1912	<i>Kuremsia</i> nom. nov.
<i>Teichertina</i> Palmieri, 1994	<i>Teichertina</i> Veevers, 1959	<i>Palmierina</i> nom. nov.
<i>Amuria</i> Whalen & Carter, 1998	<i>Amuria</i> Staudinger, 1887	<i>Novamura</i> nom. nov.
<i>Bathysphaera</i> Hollande & Enjumet, 1960	<i>Bathysphaera</i> Beebe, 1932	<i>Enjumetia</i> nom. nov.
<i>Cyphanta</i> Haeckel, 1887	<i>Cyphanta</i> Walker, 1865	<i>Haeckelocyphanta</i> nom. nov.
<i>Milax</i> Blome, 1984	<i>Milax</i> Gray, 1855	<i>Blomeus</i> nom. nov.
<i>Ormistonina</i> Li Hong-sheng, 1994	<i>Ormistonina</i> Maksimova, 1978	<i>Novormistonina</i> nom. nov.
<i>Riedelius</i> De Wever, 1982	<i>Riedelius</i> Hudec, 1961	<i>Deweeverus</i> nom. nov.
<i>Scharfenbergia</i> Won Moon-Zoo, 1983	<i>Scharfenbergia</i> Oudemans, 1936	<i>Wonia</i> nom. nov.
<i>Sophia</i> Whalen & Carter, 1998	<i>Sophia</i> Robineau-Desvoidy, 1830	<i>Neosophia</i> nom. nov.
<i>Zanola</i> Pessagno & Yang, 1989	<i>Zanola</i> Walker, 1855	<i>Neozanola</i> nom. nov.
<i>Clathrella</i> Penard, 1903	<i>Clathrella</i> Récluz, 1864	Family <i>Ozdikmenellidae</i> nom. nov. Genus <i>Ozdikmenella</i> nom. nov.
<i>Adelina</i> Hesse, 1911	<i>Adelina</i> Dejean, 1835	<i>Obvallatus</i> nom. nov.
<i>Garnia</i> Lainson, Landau & Shaw, 1971	<i>Garnia</i> Casey, 1922	<i>Neogarnia</i> nom. nov.
<i>Loxomorpha</i> Hoshide, 1988	<i>Loxomorpha</i> Amsel, 1956	<i>Hoshidella</i> nom. nov.
<i>Rayella</i> Dasgupta, 1967	<i>Rayella</i> Teichert, 1939	<i>Manastirlia</i> nom. nov.
<i>Schizocystis</i> Léger, 1900	<i>Schizocystis</i> Jaekel, 1895	<i>Aliona</i> nom. nov.