

## ANOSTRACA CATALOGUS (CRUSTACEA: BRANCHIOPODA)

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**ABSTRACT.** — A checklist of the Anostraca (fairy shrimp) is presented with synonyms. More than 700 anostracan taxa are presented, of which 407 are considered valid families, genera and species. Chresonyms are provided for taxa redescribed according to modern standards. Nomenclatural problems are examined and resolved concerning the genus *Chirocephalus* and its junior synonym *Galaziella*. The presentation of the suborders and families follows recent molecular phylogenetic analyses presented elsewhere.

**KEY WORDS.** — Fairy shrimp, checklist, systematics, nomenclature

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### INTRODUCTION

In preparation for an examination of anostracan zoogeography, it became apparent that an up to date catalogue of the species was necessary, particularly as pertaining to the distribution of different taxa. This catalogue is patterned in part on the recent catalogues on decapod crustaceans (e.g., Ng et al., 2008; De Grave & Fransen, 2011).

The number of new anostracan species described each year has not decreased substantially since the 1940s and 353 valid species names are recognised here. This represents a 21.4% increase over Belk & Brtek (1995, 1997) (273 species) and a 20.0% increase over Brtek (1997, 2002) (285 species). Endemicity is high, with 28.8% of species known only from the type locality and 56.2% known from ten or less localities.

This catalogue also reflects the many advances in phylogeny made in recent years (e.g., Weekers et al., 2002), as well as classifications based upon modern genus concepts (e.g., Belk, 1995; Brendonck, 1995a, 1995b, 1997; Brendonck & Belk, 1997; Rogers, 2006a). There are 764 taxa presented in this checklist under the order Anostraca, including two suborders, ten valid families, 42 valid genera and subgenera, 353 valid species (including subspecies), and 362 synonyms, homonyms, nomina nuda, nomina dubia, and nomina oblita. Chresonyms are provided for taxon redescrptions that facilitate identification and evolutionary relationships. Spelling errors from the literature are not included.

Fossil anostracans are included. It is important to note that anostracans do not preserve well, being very soft bodied (Tasch, 1969; Schram, 1986), but with very few described or described well (e.g., Schram, 1986; Shen & Huang, 2008;

Harvey et al., 2012). Some fossil taxa (such as *Branchipusites* Goldenberg, 1873 and *Rochdalia* Woodward, 1913) have proved to be insect nymphs (Tasch, 1969).

**A brief history of anostracan taxonomy.** — Systematic methods in anostracan studies have evolved significantly. The history of the systematic method has taught us that the primary function of the systematist is to expose your predecessor's errors and replace them with your own. The very first definitive record of anostracans comes from an anonymous geographer in the year 982, who reported that the Persian (Iranian) Lake Urmia supported salt worms (Asem, 2008). Possible allusions to anostracans were made in classical Japanese works dating between 712 and 1590 (Harada, 1993). The earliest known anostracan depiction was by Petiver in his "Gazophylacion Naturae et Artis" in 1709, of British *Chirocephalus* as "*Squilla lacustris*". Schlösser (1755) is the next record, reporting an "unknown insect" from salt works in Lymington, England, with an excellent drawing of *Artemia* (Kuenen, 1939). King (1767) reported what would eventually be known as *Chirocephalus* (as "a very remarkable aquatic insect") from a ditch in Britain stating: "From their being prolific in this state, I suspect it to be their only one, and that they are merely aquatic, and never turn into flies, as many aquatic insect do." Linnaeus (1746) wondered about that issue as well when he figured a fairy shrimp with the question; "An larva Ephemerae?"

Linnaeus described the first two fairy shrimp species in 1758 under his classification scheme: *Cancer salinus* (= *Artemia salina*) and *Cancer stagnalis* (= *Chirocephalus diaphanos*). Müller (1785) first recognised fairy shrimp (and tadpole shrimp) as a distinct group, which he named the "Entomostraca". Latreille (1806) defined the Entomostraca,

as containing the orders Phyllopoda (tadpole shrimp) and the order Cephalota (the fairy shrimp). Later, recognising commonalities amongst the fairy shrimp, tadpole shrimp and clam shrimp, Latreille (1817) combined the Phyllopoda and the Cephalota into the order Branchiopoda (which was later raised to subclass by Calman, 1909, and class by Linder, 1945) to encompass these and a few other crustacean groups.

Three of the currently recognised genera (*Branchipus*, *Artemia*, and *Chirocephalus*) had been established by 1840, although six other genera (two synonyms of *Branchipus* and four synonyms of *Artemia*) were reported at that time. Milne-Edwards (1840) established the family Branchipodidae in a taxon he called the ‘Legion Branchiopodes’ (apparently a synonym of Entomostraca) to accommodate all these genera, and Sars (1867) placed this single family in the suborder Phyllopoda.

Packard (1883) produced the first monograph on branchiopod Crustacea, however the work focused upon the North American fauna and unfortunately caused a great deal of confusion surrounding certain species (see Lynch, 1964; Dexter, 1993). Packard recognised two subfamilies within the Branchipodidae; the Branchipodinae, which contained the currently recognised *Branchinecta*, *Branchipus* (including some *Eubranchipus*), *Artemia*, *Chirocephalus* (including some *Eubranchipus*), and *Streptocephalus*; and the Thamnocephalinae, which contained *Thamnocephalus*.

Simon created the Polyartemiidae in 1886 to encompass the genus *Polyartemia*, and elevated the subfamily Thamnocephalinae to family status. Grochowskii (1896) moved *Artemia* into its own family, the Artemiidae. Eleven additional genera (seven remain valid) had been described by 1909, and Daday published the first monograph addressing all known Anostraca in 1910. Daday described six (two valid) genera, and moved *Branchinecta* and *Streptocephalus* each to their own families. Daday’s system recognised five families: Polyartemiidae, Branchinectidae, Chirocephalidae, Branchipodidae, and Streptocephalidae. Daday did not recognise Packard’s Thamnocephalidae, and lumped *Thamnocephalus* into a new family, the Chirocephalidae, along with *Chirocephalus*, *Eubranchipus*, *Branchinella*, *Dendrocephalus* plus other genera not currently recognised. Daday’s scheme placed *Artemiopsis*, *Artemia*, and *Branchinectella* in the Branchinectidae with *Branchinecta*.

Daday’s classification stayed until Linder (1941) revised the Anostraca, and defined the majority of morphological terms currently used in their descriptions. Linder provided the first real definitions and quantifications for anostracan families and genera, as well as a basic framework towards understanding the generic relationships. Linder’s choice of the generic and familial level characters gave stability to the higher anostracan classification that had never been there previously: the reason being that his method coincided with biological reality. Linder (1941) first utilised male genitalia to establish higher taxonomic categories of the Anostraca. Since that time male genitalia have been used extensively to define families and genera (Biraben, 1951; Belk, 1991, 1995; Hamer

& Brendonck, 1995; Brendonck, 1995a; Pereira & Ruiz, 1995; Brendonck & Belk, 1997; Rogers, 2002, 2003a, 2003b, 2005, 2006a, 2006b, 2006c). Linder recognised seven anostracan families: Artemiidae, Branchipodidae, Streptocephalidae, Thamnocephalidae, Chirocephalidae, and Polyartemiidae. Linder moved *Branchinectella* and *Artemiopsis* into the Chirocephalidae, based on characters of the genitalia and the thoracopods. Linder also reinstated the Artemiidae and the Thamnocephalidae.

Tasch (1969) combined the anostracans with the fossil Lipostraca under the subclass Sarsostraca, named in honour of G. O. Sars. Tasch’s grouping was problematic (see discussion in Martin & Davis, 2001), however the assertion that the Anostraca belong in their own subclass is strongly supported by both molecular as well as morphological data (Fryer, 1985, 1987; Wallosek, 1993; Hanner & Fugate, 1997; Negrea, et al., 1999; Spears & Abele, 2000; deWaard et al., 2006). Martin & Davis (2001) resurrected the Sarsostraca, to reflect the separate lineage of the anostracans.

Brtek created the families Linderiellidae (1964) (for *Linderiella* and *Dexteria*) and Artemiopsidae (1966) (for *Artemiopsis*) out of the Chirocephalidae. Brtek also raised two subgenera of *Eubranchipus* (*Siphonophanes* and *Drepanosurus*) to genus level. Belk (1995), Brendonck (1995a) and Brendonck & Belk (1997), building on Linder’s (1941) work, reemphasized the importance of male genital morphology in anostracan taxonomy and set defensible, quantifiable standards for defining anostracan genera. Belk (1995) demonstrated that *Siphonophanes* and *Drepanosurus* (Simon, 1886) were both junior synonyms of *Eubranchipus* Verrill, 1870, and gave us insight into the geographic origin of the genus. Belk (in Martin & Davis, 2001) following the same reasoning, argued for subsuming the Linderiellidae and Artemiopsidae back into the Chirocephalidae. For the Linderiellidae, this was further supported by molecular data (Weekers et al., 2002), and morphological data (Rogers, 2002a, 2003).

Belk & Brtek (1995, 1997) produced excellent annotated checklists of the world anostracan fauna. However, due to differences of opinion on generic level definitions, Brtek (1997, 2002) published his own checklists (covering all Branchiopoda) to reflect his opinions. Without providing any justification or analyses, and ignoring the corpus of recent literature defining anostracan genera, he added to the confusion surrounding various groups. The English is poor, and many genera and families previously synonymised are resurrected without justification (*Siphonophanes*, *Drepanosurus*, *Nematosurus*, *Branchinellites*; a discussion of Brtek’s treatment of *Branchinellites* can be found elsewhere [Rogers, 2006a]). Errors are also present for non-anostracan taxa (e.g., some clam shrimp are presented as having valid names in both *Cyzicus* and *Eocycticus*).

Brtek & Mura (2000) published keys to the anostracan families and genera. The authors also chose to resurrect the genera *Branchinellites*, *Drepanosurus*, and *Siphonophanes* but again without any morphological or taxonomical analyses

(Rogers, 2003b, 2006a, 2006b). They ignored the critical analyses of Belk (1995) who quantitatively demonstrated that *Drepanosurus* and *Siphonophanes* were junior synonyms of *Eubbranchipus*, with the only statement justifying their position being: "...many adjustments have been made... due to the fact that additional characters were considered valid, and helpful in better identification." No methods or materials sections appear and there is no character analysis, no critical analysis of Belk's work, or any citations to defend their position (Rogers, 2003a). Additionally, Brtek & Mura (2000) subdivided the genus *Branchinecta* into "...five distinct groups..." that they claim are supported based on male second antennal morphology. The authors then describe these groups based on geography, with no indication what characters were used to define the groups, nor what species are in those groups (Rogers, 2006c). Furthermore, their keys have rubrics that are mostly long, unclear character combinations, rather than discreet character states.

Naganawa & Orgiljanova (2001) created a subclass they called the 'Protobranchiopoda' to separate the 'Large Branchiopods' (i.e., the Anostraca, Notostraca, Laevicaudata, Spinicaudata, and Cyclestheida) from the Cladocera. However, this move was unwarranted as it obscured the relationships between the Notostraca and the Laevicaudata, the Spinicaudata with the Cyclestherida and the Cladocera, and ignored the strong divergence of the Anostraca from the other extant orders of the class as based upon a vast corpus of morphological and molecular data (for examples: Bowman & Abele, 1982; Wallosek, 1993; Wallosek & Müller, 1998; Fryer, 1985, 1987; Negrea et al., 1999; Spears & Abele, 2000; Martin & Davis, 2001; deWaard et al., 2006).

Molecular analyses of the Anostraca have been conducted in an effort to determine the phylogenetic relationships amongst the families and genera, including: Remigio & Hebert (2000), Spears & Abele (2000) and Weekers et al. (2002). These studies have demonstrated and confirmed the monophyly of the Anostraca. The phylogenetic study of Weekers et al. (2002) analysed the most genera, and has provided us with the clearest picture to date of the relationships between the genera and families. Furthermore, their analyses discovered two suborders within the Anostraca and two cryptic families, moving *Parartemia* to its own family (Parartemiidae), and moving *Tanymastix* and *Tanymastigites* into their own family (Tanymastigidae). In addition, the Polyartemiidae and the Linderiellidae were found to belong within the Chirocephalidae, justifying Belk's (in Martin & Davis, 2001) assertions.

## CATALOGUE STRUCTURE

The basic systematic structure for all anostracan taxonomic levels above genus follows Weekers et al. (2002). Supraspecific taxa are presented in bold. Genera and species are presented alphabetically. Subgenera and subspecies are presented with the nominate taxon listed first. Synonyms are presented following an equal sign (=) and are indented. Where an important analysis is presented for a synonymy, a reference

is provided as "fide" the synonymiser. For example: =*Branchipodopsis terpogossiani* Smirnov, 1936 (fide Hartland-Rowe, 1968). Nomina nuda and dubia are listed under separate header for each family. Chresonyms are presented parenthetically after the original author and date, and are referred to as "in the sense of" the redescriber. For example: *Parartemia longicaudata* Linder, 1941 (sensu Timms, 2010).

## REMARKS

**Brtek's subfamilies and subgenera.** — Brtek (1966, 1972, 1997, 2002) created several subfamilies and subgenera, some were eventually elevated to full family or genus status and then further subdivided. Unfortunately, these taxa were never clearly defined, particularly the subfamilies. Difficulties concerning the validity of some of the subgeneric names as well as their composition have been raised elsewhere (Rogers, 2003, 2004), and other names are shown below to be preoccupied. Since these subfamilial and subgeneric concepts need to be properly vetted, they are shown as synonyms in the catalogue below. It is my opinion that subfamilial and subgeneric categories may be useful to elucidate certain relationships, but that they should be used sparingly. It should be remembered that while the species designation is an exclusive concept, the higher taxonomic categories are inclusive concepts.

**Chirocephalus and Galaziella.** — Naganawa & Orgiljanova (2000) described the genus *Galaziella* based on material from Mongolia, and later Naganawa (2001) placed the genus in a new family, Galaziellidae. Rogers (2003a) discussed the validity of the genus based on the original description, and concluded that the genus was synonymous to *Chirocephalus* in the family Chirocephalidae. Naganawa & Zagas (2003) resurrected and redescribed the genus, along with one new species, moving another species of *Chirocephalus* into *Galaziella*, and created a new subfamily within the Chirocephalidae to accommodate the genus. Rogers (2005) provisionally accepted the genus based on the limited gonopod description, but with reservations. Alonso & Naganawa (2008) described another new species in the genus *Galaziella*, diagnosing the genus with three parameters:

1. Form of the male second antenna distal antennomere. Naganawa & Zagas (2003) and Alonso & Naganawa (2008) state that the proximal projection is posteroventral in *Galaziella* and medial in *Chirocephalus*. However, the form of the second antenna cannot be used to define an anostracan genus (see above). Great variation in second antennal morphology exists within other genera, such as *Branchinella*, *Branchinecta*, *Eubbranchipus*, and *Chirocephalus*. The disparate range of morphologies in these genera is much greater than what Naganawa & Zagas (2003) and Alonso & Naganawa (2008) claim separate *Galaziella* and *Chirocephalus*. Furthermore, this character state also occurs in *Chirocephalus shadini* and *C. orghidani*. This projection is entirely absent in *C. josephinae*.

2. Form of the gonopod. Alonso & Naganawa (2008) state that the gonopod morphology is "...a boom-like process with pouch [sic] and a conical toothed cirrus directed outwards, a feature not reported in other anostracans..." As was stated in Rogers (2003) the conical eversible portion of the *Galaziella* gonopod appears to be within the range of variation observed in the genus *Chirocephalus*. The "boom-like" process is present in other *Chirocephalus* species (see Rogers, 2003 for analyses) including *C. carnuntanus*, and *C. shadini*, and in reduced form in *C. brevivalpis*, *C. croaticus*, *Eubranchipus bundyi*, *E. ornatus*, *E. serratus*, *E. vernalis*, and most importantly some (but not all!) forms of *C. diaphanos*.
3. Form of the egg. Alonso & Naganawa (2008) figure the egg and claim that *Galaziella* has "...a unique resting egg morphology, found only in some extinct anostracans..." Contrary to Alonso and Naganawa's assertion, similar egg shell texturing is observed in other species of *Chirocephalus*, most notably *C. skorikowi*, *C. shadini*, and *C. priscus*, as well as to a lesser extent in *C. slovacicus*, *C. chyzeri*, *C. povolnyi*, and *C. marchesonii* (see figures in Mura, 2001). Egg morphology similar to *Galaziella* has been depicted for *Branchinella occidentalis* (Timms et al., 2004) and various *Branchinecta* and *Streptocephalus* species (César, 1989; Hill & Shepard, 1997; Shepard & Hill, 2001). Furthermore, Mura (2001) demonstrated the remarkable plasticity of egg morphology within individual species of *Chirocephalus*.

The genus *Chirocephalus* is obviously in need of revision utilising both morphological and molecular techniques. This is a large genus with many species and with a great deal of morphological variation, and the validity of many species has been called into question (Belk & Brtek, 1995). That being said, I can find neither consistent nor quantitative character states that support the separation of *Galaziella* from *Chirocephalus*. However, any divisions must start from a thorough and proper review of the genus as a whole.

***Chirocephalus graziellae* (Alonso & Naganawa, 2008) nomen novum.** — This species was described as *Galaziella murae*. It was named in honour of Graziella Mura, who has made vast contributions to the corpus of anostracan knowledge. However, since *Chirocephalus murae* is a preoccupied name, I changed the specific epithet to the Latinised form of her first name.

## SYSTEMATICS

### CLASS BRANCHIOPODA Latrielle, 1817

### SUBCLASS SARSOSTRACA Tasch, 1969

### ORDER ANOSTRACA Sars, 1867

- =Cephalota Latrielle, 1806
- =Gymnota Gerstaecker, 1868
- =Xiphophallophora Daday, 1910
- =Echinophallophora Daday, 1910

### Suborder ARTEMIINA Weekers et al., 2002

### Family ARTEMIIDAE Grochowski, 1896

- =Branchipusidae Baird, 1845 (pro partim)
- =Branchipodidae Simon, 1886 (pro-partim)
- =Branchipodinae Packard, 1883 (pro-partim)

### *Artemia* Leach, 1819 (sensu Brendonck & Belk, 1997)

- =*Artemesia* Latrielle, 1816
- =*Eulimene* Latrielle, 1816
- =*Artemisus* Lamarck, 1818
- =*Artemis* Thompson, 1834
- =*Callaonella* Kulczycki, 1885
- Artemia franciscana* Kellogg, 1906
- =*Artemia fertilis* Verrill, 1869 (rejected and invalid name, Opinion 1704: ICZN, 1993)
- =*Artemia utahensis* Lockington, 1876 (rejected and invalid name, Opinion 1704: ICZN, 1993)
- =*Artemis guildingi* Thompson, 1834 (rejected and invalid name, Opinion 1704: ICZN, 1993)
- Artemia monica* Verill, 1869
- =*Artemia franciscana monica* Triantiphylidis et al., 1998
- Artemia persimilis* Piccinelli & Prosdocimi, 1968
- Artemia salina* (Linnaeus, 1758)
- =Brine worm Schläsöser, 1756
- =*Cancer salinus* Linnaeus, 1758
- =*Branchipus salina* (Linnaeus, 1758)
- =*Gammarus salinus* Fabricius, 1775
- =*Artemia tunisiana* Bowen and Sterling, 1978
- Artemia sinica* Cai, 1989
- Artemia tibetiana* Abatzopoulos, Zhang & Sorgeloos, 1998
- Artemia urmiana* Gunther, 1899
- =“Worm” Anonymous, 1982

### Incerta sedis

- Artemia gracilis* Verill, 1869 (possible senior synonym of *A. franciscana* Kellogg, 1906, Opinion 1704: ICZN, 1993)

### Nomina dubia

- Artemia asiatica* Walter, 1887
- Artemia australis* Sayce, 1903
- Artemia eulimene* Leach, 1819
- Artemia köppeniana* Fischer, 1851
- =*Branchipus köppenianus* (Fischer, 1851)
- Artemia parthenogenetica* Bowen & Sterling, 1978 (sensu Baxevanis et al., 2006)

### Nomina nuda

- Artemia americana* Barrigozzi, 1974
- Artemia bivalens partenogenetica* Artom, 1912
- Artemia cagliartiana* Samter & Heymons, 1902
- Artemia elegans* in Seale, 1933
- Artemia jelskii* Grube, 1874
- =*Callaonella jelskii* (Grube, 1874)
- Artemia micropirencia* Artom, 1921
- Artemia odessensis* Barrigozzi, 1980
- Artemia proxima* (King, 1855)
- =*Artemesia proxima* King, 1855
- Artemia salina* f. *arietina* Fischer, 1851
- Artemia salina* f. *intermedia* Simon, 1886

*Artemia salina* var. *principalis* Simon, 1886  
*Artemia salina* var. *biloba* Entz, 1886  
*Artemia salina* var. *furcata* Entz, 1886  
*Artemia salina* var. *pacifica* Sars, 1904  
*Artemia salina partenogenetica* Artom, 1906  
*Artemia salina sessuata* Artom, 1912  
*Artemia salina univalens* Artom, 1912  
*Artemia salina bivalens* Artom, 1912  
*Artemia salina* f. *typica* Perrier, 1929  
*Artemia sessuata* Artom, 1906  
*Artemia univalens sessuata* Artom, 1912  
*Artemia westraliensis* Sayce, 1903  
*Branchipus milhausenii* Fischer, 1834  
*Branchipus oudneyi* Liévin, 1856  
*Callaonella dybowski* Grochowski, 1896  
*Eulimene albida* Latreille, 1817

**Family PARARTEMIIDAE Daday, 1910**  
 (sensu Weekers et al., 2002)

**Parartemia Sayce, 1903** (sensu Brendonck & Belk, 1997)  
*Parartemia acidiphila* Timms & Hudson, 2009  
*Parartemia auriciforma* Timms & Hudson, 2009  
*Parartemia bicorna* Timms, 2010  
*Parartemia boomeranga* Timms, 2010  
*Parartemia contracta* Linder, 1941  
*Parartemia cylindrifera* Linder, 1941 (sensu Timms, 2010)  
*Parartemia extracta* Linder, 1941  
*Parartemia informis* Linder, 1941  
*Parartemia laticaudata* Timms, 2010  
*Parartemia longicaudatus* Linder, 1941 (sensu Timms, 2010)  
*Parartemia mouritzi* Timms, 2010  
*Parartemia minuta* Geddes, 1973  
*Parartemia purpurea* Timms, 2010  
*Parartemia serventyi* Linder, 1941  
*Parartemia triquetra* Timms & Hudson, 2009  
*Parartemia veronicae* Timms, 2010  
*Parartemia yarleensis* Timms & Hudson, 2009  
*Parartemia zietziana* Sayce, 1903

Incerta sedis

*Parartemia* sp. e Savage & Timms in Timms, 2005a

**Suborder ANOSTRACINA Weekers et al., 2002**  
**Family STREPTOCEPHALIDAE Daday, 1910**  
 (sensu Maeda-Martínez et al., 1995b)

***Streptocephalus* Baird, 1852**

*Streptocephalus* (*Streptocephalus*) Baird, 1852 (sensu Brendonck & Belk, 1997)  
 =*Heterobranchipus* Verrill, 1869  
 =*Streptocephalellus* Daday, 1910  
 =*Streptocephalopsis* Daday, 1910  
*Streptocephalus* (*Streptocephalus*) *annanarivensis* Thiele, 1907  
 =*Streptocephalus distinctus* var. *annanarivensis* Thiele, 1907

*Streptocephalus* (*Streptocephalus*) *antillensis* Mattox, 1950 (sensu Maeda-Martínez et al., 1995)  
*Streptocephalus* (*Streptocephalus*) *bidentatus* Hamer & Appleton, 1993  
*Streptocephalus* (*Streptocephalus*) *bimaris* Gurney, 1909  
*Streptocephalus* (*Streptocephalus*) *bourquinii* Hamer & Appleton, 1993  
*Streptocephalus* (*Streptocephalus*) *bouvieri* Daday, 1908 (sensu Hamer et al., 1994a)  
*Streptocephalus* (*Streptocephalus*) *cafer* (Lovén, 1847) (sensu Hamer et al., 1994)  
 =*Branchipus cafer* Lovén, 1847  
 =*Heterobranchipus cafer* (Lovén, 1847)  
*Streptocephalus* (*Streptocephalus*) *caljoni* Beladjal, Mertens, & Dumont, 1996  
*Streptocephalus* (*Streptocephalus*) *cirratus* Daday, 1908 (sensu Hamer et al., 1994)  
*Streptocephalus* (*Streptocephalus*) *cladophorus* Barnard, 1924 (sensu Hamer et al., 1994b)  
*Streptocephalus* (*Streptocephalus*) *coomansi* Brendonck & Belk, 1993  
*Streptocephalus* (*Streptocephalus*) *dendrophorus* Hamer & Appleton, 1993  
*Streptocephalus* (*Streptocephalus*) *dendyi* Barnard, 1929 (sensu Hamer et al., 1994)  
*Streptocephalus* (*Streptocephalus*) *dichotomius* Baird, 1860 (sensu Velu & Munuswamy, 2005)  
 =*Branchipus bengalensis* Alcock, 1896  
*Streptocephalus* (*Streptocephalus*) *distinctus* Thiele, 1907 (sensu Hamer et al., 1994a)  
*Streptocephalus* (*Streptocephalus*) *dorotheae* Mackin, 1942 (sensu Maeda-Martínez et al., 1995)  
*Streptocephalus* (*Streptocephalus*) *dregei* Sars, 1899 (sensu Hamer et al., 1994)  
*Streptocephalus* (*Streptocephalus*) *echinus* Bond, 1934 (sensu Velu & Munuswamy, 2005)  
 =*Streptocephalus simplex echinus* Bond, 1934  
*Streptocephalus* (*Streptocephalus*) *gracilis* Sars, 1898 (sensu Hamer et al., 1994)  
*Streptocephalus* (*Streptocephalus*) *guzmani* Maeda-Martínez, Belk, Obregon-Barbóza & Dumont, 1995  
 =*Streptocephalus* sp. Maeda-Martínez et al., 1991  
 =*Streptocephalus* sp. B Maeda-Martínez et al., 1995  
*Streptocephalus* (*Streptocephalus*) *henridumontis* Maeda-Martínez, Obregon-Barbóza, Prieto-Salazar & García-Velazco, 2005  
 =*Streptocephalus* sp. Maeda-Martínez et al., 1997; Maeda-Martínez et al., 2002  
 =*Streptocephalus dumonti* Daniels et al., 2004 (nomen nudum)  
*Streptocephalus* (*Streptocephalus*) *indistinctus* Barnard, 1924 (sensu Hamer et al., 1994)  
*Streptocephalus* (*Streptocephalus*) *kargesi* Spicer, 1985 (sensu Maeda-Martínez et al., 1995)  
*Streptocephalus* (*Streptocephalus*) *lahorensis* Ghauri & Lahoon, 1980  
*Streptocephalus* (*Streptocephalus*) *linderi* Moore, 1966 (sensu Maeda-Martínez et al., 1995)

- Streptocephalus (Streptocephalus) longimanus* Bond, 1934 (sensu Velu & Munuswamy, 2005)  
 =*Streptocephalus simplex longimanus* Bond, 1934  
*Streptocephalus (Streptocephalus) mackini* Moore, 1966 (sensu Maeda-Martínez et al., 1995)  
 =*Streptocephalus* sp. type A Moore, 1958  
*Streptocephalus (Streptocephalus) macrourus* Daday, 1908 (sensu Hamer et al., 1994)  
*Streptocephalus (Streptocephalus) mattoxi* Maeda-Martínez, Belk, Obregon-Barbóza & Dumont, 1995  
 =*Streptocephalus* sp. C Maeda-Martínez et al., 1995  
*Streptocephalus (Streptocephalus) moorei* Belk, 1973 (sensu Maeda-Martínez et al., 2005)  
*Streptocephalus (Streptocephalus) namibensis* Hamer & Brendonck, 1993  
*Streptocephalus (Streptocephalus) neumanni* Thiele, 1904 (sensu Hamer et al., 1994a)  
*Streptocephalus (Streptocephalus) ovamboensis* Barnard, 1924 (sensu Hamer et al., 1994a)  
*Streptocephalus (Streptocephalus) papillatus* Sars, 1906 (sensu Hamer et al., 1994)  
*Streptocephalus (Streptocephalus) potosinensis* Maeda-Martínez, Belk, Obregon-Barbóza & Dumont, 1995  
 =*Streptocephalus* sp. D Maeda-Martínez et al., 1994  
*Streptocephalus (Streptocephalus) proboscideus* (Frauenfeld, 1873) (sensu Brendonck, 1989)  
 =*Branchipus proboscideus* Frauenfeld, 1873  
*Streptocephalus (Streptocephalus) purcelli* Sars, 1898 (sensu Hamer et al., 1994)  
 =*Streptocephalus purcelli* var. *sarsi* Daday, 1910 fide Brtek, 1997  
*Streptocephalus (Streptocephalus) reunionensis* Thiéry & Champaneau, 1994  
*Streptocephalus (Streptocephalus) rothschildi* Daday, 1908 (sensu Hamer et al., 1994a)  
*Streptocephalus (Streptocephalus) rubricaudatus* (Klunzinger, 1867) (sensu Hamer et al., 1994a)  
 =*Branchipus rubricaudatus* Klunzinger, 1867  
*Streptocephalus (Streptocephalus) rugosus* Brehm, 1960  
*Streptocephalus (Streptocephalus) sealii* Ryder, 1879 (sensu Maeda-Martínez et al., 1995)  
 =*Streptocephalus floridanus* Packard, 1880  
 =*Streptocephalus coloradensis* Dodds, 1915  
 =*Streptocephalus americanus* Pesta, 1921  
*Streptocephalus (Streptocephalus) similis* Baird, 1852 (sensu Maeda-Martínez et al., 1995)  
 =*Branchipus similis* (Baird, 1852)  
 =*Heterobranchipus similis* (Baird, 1852)  
*Streptocephalus (Streptocephalus) simplex* Gurney, 1906 (Not Bond, 1943 (in Velu & Munuswamy)) (sensu Velu & Munuswamy, 2005)  
 =*Streptocephalus dichotomus* var. *simplex* Gurney, 1906  
 =*Chirocephalus stoliczkae* Wood-Mason (nomen nudum in Gurney, 1906)  
 =*Streptocephalus simplex arabicus* Bond, 1934  
*Streptocephalus (Streptocephalus) sirindhornae* Sanoamuang, Murugan, Weekers & Dumont, 2000  
*Streptocephalus (Streptocephalus) spinicaudatus* Hamer & Appleton, 1993  
*Streptocephalus (Streptocephalus) spinifer* Gurney, 1906 (sensu Velu & Munuswamy, 2005)  
*Streptocephalus (Streptocephalus) spinosus* Daday, 1908 (sensu Hamer et al., 1994a)  
*Streptocephalus (Streptocephalus) texanus* Packard, 1871 (sensu Maeda-Martínez et al., 1995)  
 =*Streptocephalus watsoni* Packard, 1877  
*Streptocephalus (Streptocephalus) thomasbowmani* Maeda-Martínez, Obregon-Barbóza, Prieto-Salazar & García-Velazco, 2005  
 =*Streptocephalus bowmani* Daniels et al., 2004 (nomen nudum)  
*Streptocephalus (Streptocephalus) torvicornis* (Waga, 1842) (sensu Hamer et al., 1994a)  
 =*Branchipus auritus* Koch, 1841(nomen oblitum)  
 =*Branchipus torvicornis* Waga, 1842  
 =*Branchipus raddeanus* Walter, 1888  
 =*Streptocephalus torvicornis bucheti* Daday, 1910  
 =*Streptocephalus bucheti* Daday, 1910  
 =*Streptocephalus torvicornis* var. *braueri* Daday, 1910  
 =*Streptocephalus areva* Brehm, 1954  
 =*Streptocephalus auritus* var. *areva* Brehm, 1954  
*Streptocephalus (Streptocephalus) trifidus* Hartland-Rowe, 1969 (sensu Hamer et al., 1994)  
*Streptocephalus (Streptocephalus) vitreus* (Brauer, 1877) (sensu Hamer et al., 1994a)  
 =*Branchipus vitreus* Brauer, 1877  
*Streptocephalus (Streptocephalus) wirminghausi* Hamer, 1994  
*Streptocephalus (Streptocephalus) woottoni* Eng, Belk & Eriksen, 1990 (sensu Maeda-Martínez et al., 1995)  
*Streptocephalus (Streptocephalus) zeltneri* Daday, 1910 (sensu Hamer et al., 1994a)  
*Streptocephalus (Parastreptocephalus)* Brendonck, Hamer & Thiéry, 1992  
*Streptocephalus (Parastreptocephalus) archeri* (Sars, 1896)  
 =*Branchinella archeri* Sars, 1896  
*Streptocephalus (Parastreptocephalus) kaokoensis* Barnard, 1929 (sensu Hamer et al., 1994)  
*Streptocephalus (Parastreptocephalus) lamellifer* Thiele, 1900 (sensu Hamer et al., 1994a)  
*Streptocephalus (Parastreptocephalus) queenslandicus* Hebert & Timms, 2000  
*Streptocephalus (Parastreptocephalus) siamensis* Sanoamuang & Saengphan, 2006  
*Streptocephalus (Parastreptocephalus) sudanicus* Daday, 1910 (sensu Hamer et al., 1994a)  
*Streptocephalus (Parastreptocephalus) zuluensis* Brendonck & Hamer, 1992
- Nomina dubia
- Streptocephalus* cf. *bidentatus* Brendonck & Riddoch, 1997  
*Streptocephalus* cf. *cladophorus/dendrophorus* Brendonck & Riddoch, 1997  
*Streptocephalus chappuisi* Brehm, 1935 (type specimens are immature)  
*Streptocephalus dubius* Wolf, undescribed (see Forró & Brtek, 1984)  
*Streptocephalus jakubskii* Grochmalicki, 1921(types are immature)

*Streptocephalus javaensis* Brehm, 1955 (types are immature and appear to be two species)

*Streptocephalus propinquus* Brady, 1916 (types are immatures)

*Streptocephalus* sp. Thiéry, 1996 (similar to *S. torvicornis*, may be a hybrid)

Nomen nudum

*Streptocephalus gauthieri* Brtek, 1974 (based on drawing and brief description in Gauthier (1939); no material examined or deposited)

**Family TANYMASTIGIDAE Brtek, 1972**

(sensu Weekers et al., 2002)

=Tanymastiginae Brtek, 1972

=Tanymastigidae Weekers et al., 2002

=Tanymastigiidae Weekers et al., 2002

=Tanymastigitidae Brendonck et al., 2008

***Tanymastix* Simon, 1886**

(sensu Brendonck & Belk, 1997)

*Tanymastix affinis* Daday, 1910

*Tanymastix motasi* Orghidan, 1945

*Tanymastix stagnalis* (Linnaeus, 1758)

=*Cancer stagnalis* Linnaeus, 1758

=*Branchipus (Chirocephalus) stagnalis* (Linnaeus, 1758)

=*Branchipus lacunae* Guérine, 1829

=*Chirocephalus lacunae* (Guérine, 1829)

=*Branchipus (Chirocephalus) braueri* Frauenfeld, 1873

*Tanymastix stellae* Cottarelli, 1967

***Tanymastigites* Brtek, 1972** (sensu Brendonck & Belk, 1997)

*Tanymastigites brteki* Thiéry, 1986

*Tanymastigites cyrenaica* Brtek, 1972

*Tanymastigites lusitanica* Machado & Sala, 2013

*Tanymastigites mzabica* (Gauthier, 1928)

=*Tanymastix mzabica* Gauthier, 1928

*Tanymastigites perrieri* (Daday, 1910)

=*Tanymastix perrieri* Daday, 1910

=*Tanymastigites jbletica* Thiéry & Brtek, 1985

**Family BRANCHIPODIDAE Baird, 1852**

(sensu Daday, 1910)

=Branchipiens Milne-Edwards, 1840

=Branchipusidae Baird, 1845 (pro partim)

=Branchipidae Burmeister, 1846

***Australbranchipus* Rogers, Timms, Jocquè & Brendonck, 2007**

*Australbranchipus gilgaiphila* Rogers, Timms, Jocquè & Brendonck, 2007

*Australbranchipus parooensis* Rogers, Timms, Jocquè & Brendonck, 2007

†***Branchipodites* Woodward, 1879**

†*Branchipodites vectensis* Woodward, 1879

***Branchipodopsis* Sars, 1898** (sensu Brendonck & Belk, 1997)

=*Eubranchinella* Daday, 1910

=*Mongolobranchipus* Dybowskyi, 1928

*Branchipodopsis abiadi* (Brauer, 1877)

=*Branchipus abiadi* Brauer, 1877

=*Branchinecta abiadi* (Brauer, 1877)

=*Eubranchinella abadai* (Brauer, 1877)

*Branchipodopsis affinis* Sars, 1901

=*Mongolobranchipus talkohryncewiczii* Dybowski, 1928 (fide Smirnov, 1932, not Belk & Brtek, 1995)

=*Branchipodopsis terpogossiani* Smirnov, 1936 (fide Hartland-Rowe, 1968)

=*Branchipodopsis acanthopenes* (Malhortra & Duda, 1970) (fide Tiwari, 1972)

=*Branchinecta acanthopenes* Malhortra & Duda, 1970

*Branchipodopsis barnardi* Hamer & Appleton, 1996

*Branchipodopsis browni* Barnard, 1929 (sensu Hamer & Appleton, 1996)

*Branchipodopsis buettikeri* Thiéry & Jean, 2004

*Branchipodopsis candea* Löffler, 1968

*Branchipodopsis dayae* Hamer & Appleton, 1996

*Branchipodopsis drakensbergensis* Hamer & Appleton, 1996

*Branchipodopsis drepanae* Barnard, 1929 (sensu Hamer & Appleton, 1996)

*Branchipodopsis hodgsoni* Sars, 1898 (sensu Hamer & Appleton, 1996)

=*Branchipodopsis braueri* Wolf, undescribed, in Pesta, 1921 (nomen nuda)

*Branchipodopsis hutchinsoni* Hamer & Appleton, 1996

*Branchipodopsis kalaharensis* Daday, 1910 (sensu Hamer & Appleton, 1996)

*Branchipodopsis kaokoensis* Barnard, 1929 (sensu Hamer & Appleton, 1996)

*Branchipodopsis karroensis* Barnard, 1929 (sensu Hamer & Appleton, 1996)

*Branchipodopsis natalensis* Barnard, 1929 (sensu Hamer & Appleton, 1996)

*Branchipodopsis relictus* Van Damme, Dumont, & Weekers, 2004

*Branchipodopsis scambus* Barnard, 1929 (sensu Hamer & Appleton, 1996)

*Branchipodopsis simplex* Barnard, 1929 (sensu Hamer & Appleton, 1996)

*Branchipodopsis tridens* Daday, 1910 (sensu Hamer & Appleton, 1996)

=*Branchipodopsis schultzei* Wolf, undescribed, in Daday, 1910 (nomen nuda)

*Branchipodopsis underbergensis* Hamer & Appleton, 1996

*Branchipodopsis wolffi* Daday, 1910 (sensu Hamer & Appleton, 1996)

***Branchipus* Schaeffer, 1766** (sensu Brendonck & Belk, 1997)

=*Branchiopoda* Lamarck, 1801

=*Ino* Schrank, 1803

*Branchipus blanchardi* Daday, 1908

=*Branchipus alpinus* Colosi, 1922

*Branchipus cortesi* Alonso & Jaume, 1991

*Branchipus intermedius* Orghidan, 1947

*Branchipus laevicornis* Daday, 1912

*Branchipus schaefferi* Fischer, 1834

=*Branchiopoda stagnalis* Linnaeus, 1758  
 =*Gammarus stagnalis* (Linnaeus, 1758) Fabricius, 1775  
 =*Ino piscina* Schrank, 1803 (Nomen dubium)  
 =*Branchipus melanurus* Koch, 1841  
 =*Branchipus pisciformis* Baird, 1852  
 =*Branchipus ledoulxi* Barrois, 1892  
 =*Branchipus stagnalis* f. *typica* Kertész, 1956  
 =*Branchipus stagnalis* f. *visnyai* Kertész, 1956 (fide Zattarini et al., 2001)  
 =*Branchipus serbicus* Marinček & Petrov, 1998

**Metabbranchipus Masi, 1925** (sensu Brendonck & Belk, 1997; Rogers & Hamer, 2012)

*Metabbranchipus patrizii* Masi, 1925

*Metabbranchipus rubra* Rogers & Hamer, 2012

*Metabbranchipus prodigiosus* Rogers & Hamer, 2012

**Pumilibranchipus Hamer & Brendonck, 1995** (sensu Brendonck & Belk, 1997)

*Pumilibranchipus deserti* Hamer & Brendonck, 1995

**Rhinobbranchipus Brendonck, 1995** (sensu Brendonck & Belk, 1997)

*Rhinobbranchipus martensi* Brendonck, 1995

Incerta sedis

*Branchipus pasai* Cottarelli, 1967

Nomina nuda

*Branchipodopsis brehmi* Brtek, 1997

*Branchipus pellucidus* Joseph, 1882

*Branchipus serbicus* Petrov & Marinček, 1991

#### Family THAMNOCEPHALIDAE Packard, 1883

(sensu Rogers, 2006a)

**Branchinella Sayce, 1903** (sensu Rogers, 2006a)

*Branchinella* (*Branchinella*) *Sayce*, 1903 (sensu Rogers, 2006a)

=*Podochirus* Schwartz, 1917

*Branchinella* (*Branchinella*) *affinis* Linder, 1941 (sensu Geddes, 1981)

=*Branchinella affinis* var. *wonganensis* Linder, 1941

=*Branchinella clandestina* Timms, 2005 (fide Timms, 2012)

*Branchinella* (*Branchinella*) *anatinorhyncha* Timms, 2012

*Branchinella* (*Branchinella*) *apophysata* Linder, 1941 (sensu Geddes, 1981)

*Branchinella* (*Branchinella*) *arborea* Geddes, 1981

*Branchinella* (*Branchinella*) *australiensis* (Richters, 1876) (sensu Geddes, 1981)

=*Branchipus australiensis* Richters, 1876

=*Chirocephalus australiensis* (Richters, 1876)

=*Branchinella eyrensis* Sayce, 1903

*Branchinella* (*Branchinella*) *basispina* Geddes, 1981

*Branchinella* (*Branchinella*) *buchananensis* Geddes, 1981 (sensu Timms, 2005)

=*Branchinella nichollsi buchananensis* Geddes, 1981

*Branchinella* (*Branchinella*) *budjiti* Timms, 2001

*Branchinella* (*Branchinella*) *campbelli* Timms, 2001

*Branchinella* (*Branchinella*) *compacta* Linder, 1941 (sensu Timms, 2008)

*Branchinella* (*Branchinella*) *complexidigitata* Timms, 2002

*Branchinella* (*Branchinella*) *denticulata* Linder, 1941 (sensu Geddes, 1981)

*Branchinella* (*Branchinella*) *dubia* (Schwartz, 1917) (sensu Geddes, 1981)

=*Podochirus dubius* Schwartz, 1917

*Branchinella* (*Branchinella*) *erosa* Timms, 2012

*Branchinella* (*Branchinella*) *frondosa* Henry, 1924 (sensu Geddes, 1981)

=*Branchinella mirabilis* Milner, 1929

*Branchinella* (*Branchinella*) *halsei* Timms, 2002

*Branchinella* (*Branchinella*) *hattahensis* Geddes, 1981 (sensu Timms, 2005)

=*Branchinella nichollsi hattahensis* Geddes, 1981

*Branchinella* (*Branchinella*) *hearnii* Timms, 2012

*Branchinella* (*Branchinella*) *herrodi* Timms, 2012

*Branchinella* (*Branchinella*) *insularis* Timms & Geddes, 2003

*Branchinella* (*Branchinella*) *kadjikadji* Timms, 2002

*Branchinella* (*Branchinella*) *lamellata* Timms & Geddes, 2003

*Branchinella* (*Branchinella*) *latzi* Geddes, 1981

*Branchinella* (*Branchinella*) *longirostris* Wolf, 1911 (sensu Geddes, 1981)

*Branchinella* (*Branchinella*) *lyrifera* Linder, 1941 (sensu Geddes, 1981)

*Branchinella* (*Branchinella*) *mcraeae* Timms, 2005

*Branchinella* (*Branchinella*) *minmina* Timms, 2012

*Branchinella* (*Branchinella*) *multidigitata* Timms, 2008

*Branchinella* (*Branchinella*) *nana* Timms, 2002

*Branchinella* (*Branchinella*) *nichollsi* Linder, 1941 (sensu Timms, 2005)

*Branchinella* (*Branchinella*) *occidentalis* (Dakin, 1914) (sensu Geddes, 1981)

=*Branchinella australiensis* var. *occidentalis* Dakin, 1914

=*Branchinecta parooensis* Henry, 1924

=*Branchinella parooensis* (Henry, 1924)

*Branchinella* (*Branchinella*) *papillata* Timms, 2008

*Branchinella* (*Branchinella*) *pinderi* Timms, 2008

*Branchinella* (*Branchinella*) *pinnata* Geddes, 1981

*Branchinella* (*Branchinella*) *proboscida* Henry, 1924 (sensu Geddes, 1981 (misspelled as “*probiscida*”))

*Branchinella* (*Branchinella*) *simplex* Linder, 1941 (sensu Geddes, 1981)

*Branchinella* (*Branchinella*) *tyleri* Timms & Geddes, 2003

*Branchinella* (*Branchinella*) *vosperi* Timms, 2008

*Branchinella* (*Branchinella*) *wellardi* Milner, 1929

*Branchinella* (*Branchinellites*) *Daday*, 1910 (sensu Rogers, 2006a)

*Branchinella* (*Branchinellites*) *chudeaui* (Daday, 1910)

=*Branchinellites chudeaui* Daday, 1910

*Branchinella* (*Branchinellites*) *hardingi* (Qadri & Baqai, 1956) (sensu Rogers, 2006a)

=*Streptocephalus hardingi* Qadri & Baqai, 1956

=*Branchinellites hardingi* (Qadri & Baqai, 1956)

=*Branchinellites* (*Branchinellopsis*) *hardingi* (Qadri & Baqai, 1956) in Brtek, 1997

=*Branchinella?* *hardingi* (Qadri & Baqai, 1956) in Tiwari, 1971



- Branchinella* (*Branchinellites*) *kugenumaensis* (Ishikawa, 1895)  
 =*Branchipus kugenumaensis* Ishikawa, 1895  
 =*Branchinella yunanensis* Shen, 1949 (fide Rogers et al., 2013)  
 =*Branchinella minuta* Roen, 1952 (types are immatures) (fide Rogers et al., 2013)  
 =*Branchinellites kugenumaensis* (Ishikawa, 1895)
- Branchinella* (*Branchinellites*) *maduraiensis* (Raj, 1951)  
 =*Branchinellites kugenumaensis* var. *madurai* Raj, 1951  
 =*Branchinellites madurai* (Raj, 1951)  
 =*Streptocephalus karachiensis* Qadri & Baqai, 1956  
 =*Branchinella karachiensis* (Qadri & Baqai, 1956)  
 =*Branchinella maduraiensis* (Raj, 1951)
- Branchinella* (*Branchinellites*) *ondonguae* (Barnard, 1924)  
 =*Branchinellites ondonguae* Barnard, 1924  
 =*Branchinella ondonguae* (Barnard, 1924)
- Branchinella* (*Branchinellites*) *thailandensis* Sanoamuang, Saengphan, & Murugan, 2002
- Carinophallus Rogers, 2006**  
 =*Branchinema* Wolf, nomen nudum in Daday, 1910
- Carinophallus ornata* (Daday, 1910)  
 =*Branchinella ornata* Daday, 1910  
 =*Branchinema ornata* Wolf, in Daday, 1910 (nomen nudum)  
 =*Branchinella biswasi* Tiwari, 1958  
 =*Branchinella sambhariana* Baid, 1975
- Dendrocephalus Daday, 1908** (sensu Rogers, 2006a)  
*Dendrocephalus* (*Dendrocephalus*) Daday, 1908  
*Dendrocephalus* (*Dendrocephalus*) *affinis* Pereira, 1984  
*Dendrocephalus* (*Dendrocephalus*) *argentinus* Pereira & Belk, 1987  
*Dendrocephalus* (*Dendrocephalus*) *brasiliensis* Pesta, 1921 (sensu Rabet & Thiéry, 1996)  
 =*Dendrocephalus ornatus* Lutz, 1929  
*Dendrocephalus* (*Dendrocephalus*) *carajaensis* Rogers, Corrêa & Vieira, 2012  
*Dendrocephalus* (*Dendrocephalus*) *cervicornis* (Weltner, 1890) (sensu Pereira, 1983)  
 =*Branchipus* (*Chirocephalus*) *cervicornis* Weltner, 1890  
 =*Streptocephalus cervicornis* (Weltner, 1890)  
*Dendrocephalus* (*Dendrocephalus*) *conosurius* Pereira & Ruiz, 1995  
*Dendrocephalus* (*Dendrocephalus*) *cornutus* Pereira & Belk, 1987  
*Dendrocephalus* (*Dendrocephalus*) *geayi* Daday, 1908 (sensu Pereira, 1983)  
*Dendrocephalus* (*Dendrocephalus*) *goiasensis* Rabet & Thiéry, 1996  
*Dendrocephalus* (*Dendrocephalus*) *orientalis* Rabet & Thiéry, 1996  
*Dendrocephalus* (*Dendrocephalus*) *sarmentosus* Periera & Belk, 1987  
*Dendrocephalus* (*Dendrocephalus*) *spartanovae* Margalef, 1961 (sensu Pereira, 1983)  
*Dendrocephalus* (*Dendrocephalus*) *thieryi* Rabet, 2006  
*Dendrocephalus* (*Dendrocephalus*) *venezolanus* Pereira, 1984  
*Dendrocephalus* (*Dendrocephalinus*) Rogers, 2006
- Dendrocephalus* (*Dendrocephalinus*) *acacioidea* (Belk & Sissom, 1992)  
 =*Branchinella acacioidea* Belk & Sissom, 1992 (fide Rogers, 2006a)
- Dendrocephalus* (*Dendrocephalinus*) *alachua* (Dexter, 1953)  
 =*Branchinella alachua* Dexter, 1953 (fide Rogers, 2006a)
- Dendrocephalus* (*Dendrocephalinus*) *lithaca* (Creaser, 1940)  
 =*Chirocephalus lithicus* Creaser, 1940  
 =*Branchinella lithaca* (Creaser, 1940) (fide Rogers, 2006a)
- Phallocryptus Biraben, 1951** (sensu Rogers, 2003a)  
*Phallocryptus spinosa* (Milne-Edwards, 1840) (sensu Rogers, 2003a)  
 =*Branchipus spinosa* Milne-Edwards, 1840  
 =*Branchinecta spinosa* (Milne-Edwards, 1840)  
 =*Branchinella spinosa* (Milne-Edwards, 1840) (fide Rogers, 2003a)  
 =*Branchinema aculeata* Wolf, undescribed, deposited types (see Forró & Brtek, 1984)
- Phallocryptus sublettei* (Sissom, 1976) (sensu Rogers, 2003a)  
 =*Branchinella* sp. Sublette & Sublette, 1967; Sissom, 1971; Horne, 1974  
 =“*Branchinella arlica*” Belk (undescribed holotype (143837) & paratypes (143838) deposited at the USNM)  
 =*Branchinella sublettei* Sissom, 1976 (fide Rogers, 2003a)
- Phallocryptus tserensodnomi* Alonso & Ventura, 2013
- Phallocryptus wrighti* (Smirnov, 1948) (sensu Rogers, 2003a)  
 =*Branchinella wrighti* Smirnov, 1948 (in error)  
 =*Branchinella wrighti* Smirnov, 1948  
 =*Phallocryptus salinicola* Birabén, 1951 (fide Rogers, 2003a)
- Spiralifrons Dixon, 2010**  
 =*Gurneya* Brtek, 1996 (nomen praeoccupatum, fide Dixon, 2010)
- Spiralifrons mira* (Gurney, 1931)  
 =*Dendrocephalus mirus* Gurney, 1931  
 =*Branchinella mira* (Gurney, 1931) in Belk & Brtek, 1995  
 =*Gurneya mira* Brtek, 1996
- Thamnocephalus Packard, 1877** (sensu Rogers, 2006a)  
*Thamnocephalus* (*Thamnocephalus*) Packard, 1877  
*Thamnocephalus* (*Thamnocephalus*) *mexicanus* Linder, 1941  
 =*Thamnocephalus platyurus* var. *mexicanus* Linder, 1941  
*Thamnocephalus* (*Thamnocephalus*) *platyurus* Packard, 1877  
*Thamnocephalus* (*Thamnocephalus*) *venezuelensis* Belk & Pereira, 1982  
*Thamnocephalus* (*Simpliccephalus*) Cohen, 2002  
*Thamnocephalus* (*Simpliccephalus*) *salinarum* Cohen, 2002
- Nomina dubia
- Branchinella nallurensis* Velu & Munuswamy, 2007 (fide Rogers et al., 2013)
- Branchinella northamensis* Dakin, 1914 (based on a single female)
- Branchinella tenuis* (Henry, 1924)  
 =*Branchinecta tenuis* Henry, 1924

Nomina nuda

*Branchinella nalurensis* Munuswamy, 2005  
*Branchinella* nr. *pinnata* Geddes, 1981, in Timms, 2008

**Family BRANCHINECTIDAE Daday, 1910**  
 (sensu Rogers & Coronel, 2011)

***Archaebranchinecta* Rogers & Coronel, 2011**

†*Archaebranchinecta barstowensis* (Belk & Schram, 2001)  
 =†*Branchinecta barstowensis* Belk & Schram, 2001  
*Archaebranchinecta pollicifera* (Harding, 1940) (sensu Rogers & Coronel, 2011)  
 =*Branchinecta pollicifera* Harding, 1940

***Branchinecta* Verrill, 1869** (sensu Rogers & Coronel, 2011)

=*Branchiopsyllus* Sars, 1897  
 =*Artemiella* Daday, 1910  
*Branchinecta achalensis* César, 1985 (sensu Cohen, 1987)  
*Branchinecta belki* Maeda-Martínez, Obergón-Barboza & Dumont, 1992  
 =*Branchinecta* sp. A Maeda-Martínez, 1991  
*Branchinecta brushi* Hegna & Lazo-Wasem, 2008  
*Branchinecta campestris* Lynch, 1960  
*Branchinecta coloradensis* Packard, 1874 (sensu Lynch, 1964)  
 =*Branchinecta shantzi* Mackin, 1952  
*Branchinecta conservatio* Eng, Belk & Eriksen, 1990  
*Branchinecta constricta* Rogers, 2006c  
*Branchinecta cornigera* Lynch, 1958  
*Branchinecta dissimilis* Lynch, 1972  
*Branchinecta ferox* (Milne-Edwards, 1840) (sensu Petkovski, 1991a)  
 =*Branchipus ferox* Milne-Edwards, 1840  
 =*Branchipus eximius* Baird, 1861  
 =*Branchipus* (*Branchinecta*) *ferus* Brauer, 1877  
 =*Branchipus ferox* f. *aestivalis* Daday, 1890  
 =*Branchipus ferox* f. *hibernalis* Daday, 1890  
 =*Branchipus ferox* f. *vernalis* Daday, 1890  
*Branchinecta ferrolimneta* Rogers & Ferreira, 2007  
*Branchinecta fueguina* Cohen, 2008  
*Branchinecta gaini* Daday, 1910  
*Branchinecta gigas* Lynch, 1937  
*Branchinecta granulosa* Daday, 1902 (sensu Cohen, 1992, 1995)  
 =*Branchinecta santacruzensis* César, 1987 (fide, Cohen, 1992)  
*Branchinecta hiberna* Rogers & Fugate, 2001  
*Branchinecta iheringi* Lilljeborg, 1889 (sensu Cohen, 1995a)  
*Branchinecta kaibabensis* Belk & Fugate, 2000  
*Branchinecta lateralis* Rogers, 2006  
*Branchinecta leonensis* César, 1987  
*Branchinecta lindahli* Packard, 1883 (sensu Lynch, 1964)  
*Branchinecta longiantenna* Eng, Belk & Eriksen, 1990  
*Branchinecta lynchi* Eng, Belk & Eriksen, 1990  
*Branchinecta lutulenta* Rogers & Hill, 2013  
*Branchinecta mackini* Dexter, 1956 (sensu Belk, 2000)  
*Branchinecta mediospinosa* Rogers, Dasis & Murrow, 2011  
*Branchinecta mesovallensis* Belk & Fugate, 2000

*Branchinecta mexicana* Maeda-Martínez, Obergón-Barboza & Dumont, 1993  
 =*Branchinecta* sp. B Maeda-Martínez, 1991  
*Branchinecta minuta* Smirnov, 1948  
*Branchinecta oriena* Belk & Rogers, 2002  
*Branchinecta orientalis* Sars, 1901 (sensu Petkovski, 1991a)  
 =*Branchinecta cervantesi* Margalef, 1947  
 =*Branchinecta ferox orientalis* Sars, 1901  
*Branchinecta oterosanvicentei* Obregón-Barboza, Maeda-Martínez, García-Velazco & Dumont, 2001  
*Branchinecta packardi* Pearse, 1912 (sensu Lynch, 1964)  
*Branchinecta paludosa* (Müller, 1788)  
 =*Cancer stagnalis* Fabricius, 1780  
 =*Cancer paludosus* Müller, 1788  
 =*Branchipus paludosus* Kröyer, 1838  
 =*Artemis paludosus* Thompson, 1834  
 =*Branchipus middendorffianus* Fischer, 1851  
 =*Branchipus groenlandicus* Verrill, 1869  
 =*Branchipus groenlandica* Verrill, 1869  
 =*Branchipus arctica* Verrill, 1869  
 =*Branchipus arcticus* Verrill, 1869  
 =*Branchinecta groenlandica* Packard, 1874  
 =*Branchinecta arctica* Packard, 1874  
 =*Branchipus verilli* Miers, 1877  
 =*Branchipus grubei* Gerstäcker, 1879  
 =*Branchinecta polonica* Gajl, 1934  
*Branchinecta paludosa tjanshanica* Akatova, 1987  
*Branchinecta palustris* Biraben, 1946 (sensu Cohen, 1981)  
*Branchinecta papillata* Rogers, de los Rios, & Zuniga, 2008  
*Branchinecta papillosa* Biraben, 1946  
*Branchinecta potassa* Belk, 1979  
*Branchinecta prima* Cohen, 1983  
*Branchinecta raptor* Rogers, Quinney, Weaver & Olesen, 2006  
*Branchinecta readingi* Belk, 2001  
*Branchinecta roacensis* Cohen, 1982  
*Branchinecta sandiegonensis* Fugate, 1993  
*Branchinecta serrata* Rogers, 2006c  
*Branchinecta somuncurensis* Cohen, 1983  
*Branchinecta tarensis* Birabén, 1946  
*Branchinecta tolli* (Sars, 1897)  
 =*Branchiopsyllus tolli* Sars, 1897  
 =*Artemiella skorikowi* Daday, 1910  
 =*Branchinecta skorikowi* (Daday, 1910)  
*Branchinecta valchetana* Cohen, 1981  
*Branchinecta vuriloche* Cohen, 1985

Nomen nudum

*Branchinecta madryensis* César, 1989 (possibly *Branchinecta iheringi* Lilljeborg, 1889, fide Brtek, 1997)

**Family CHIROCEPHALIDAE Daday, 1910**  
 (sensu Rogers, 2003b)

=Polyartemiidae Simon, 1886  
 =Branchipusidae (pro partem) Baird, 1845  
 =Branchipodidae Baird, 1850  
 =Branchipidae Verrill, 1870 (error)  
 =Eubbranchipodinae Daday, 1910  
 =Linderiellidae Brtek, 1964

- =Artemiopsidae Brtek, 1966  
 =Galaziellidae Naganawa, 2001 (fide Rogers, 2003b)  
 =Galaziellinae Naganawa & Zagas, 2003(fide Rogers, 2005)
- Artemiopsis Sars, 1897** (sensu Brendonck & Belk, 1997)  
*Artemiopsis bungei* Sars, 1897  
*Artemiopsis plovornini* Jaschnov, 1925 (sensu Vekhov, 1998)  
 =*Artemiopsis bungei plovornini* Jaschnov, 1925  
*Artemiopsis steffansoni* Johansen, 1921  
 =*Artemiopsis steffansoni* var. *groenlandicus* Linder, 1932
- Branchinectella Daday, 1910** (sensu Brendonck & Belk, 1997)  
*Branchinectella media* (Schmankewitsch, 1873)  
 =*Branchipus medius* Schmankewitsch, 1873  
 =*Branchinella media* (Schmankewitsch, 1873)  
 =*Branchinecta salina* Daday, 1908  
 =*Branchinectella gurneyi* Smirnov, 1932  
 =*Branchinecta salina* var. *transcaucasiana* Smirnov, 1932  
 =*Branchinectella arctica* Jaschnov, 1940
- Chirocephalus Prevost, 1803** (sensu Brendonck & Belk, 1997)  
 =*Squilla* Petiver, 1709  
 =*Pristicephalus* Daday, 1910  
 =*Chirocephalellus* Daday, 1910  
 =*Chirocephalopsis* Daday, 1910  
 =*Ceratocephalus* Orghidan, 1948  
 =*Palpicephalus* Orghidan, 1953  
 =*Galaziella* Naganawa & Orgiljanova, 2000 (fide Rogers, 2003b, this work)  
*Chirocephalus algidus* Cottarelli, Aygen & Mura, 2010  
*Chirocephalus anatolicus* Cottarelli, Mura, & Özkütük, 2007  
*Chirocephalus appendicularis* Vavra, 1905  
*Chirocephalus baikalensis* (Naganawa & Orgiljanova, 2000)  
 =*Galaziella baikalensis* Naganawa & Orgiljanova, 2000 (fide Rogers, 2003b)  
*Chirocephalus bairdi* (Brauer, 1877)  
 =*Branchipus (Chirocephalus) bairdi* Brauer, 1877  
*Chirocephalus bobrinskii* (Alcock, 1898)  
 =*Branchipus (Chirocephalus) bobrinskii* Alcock, 1898  
 =*Chirocephalus altaicus* Daday, 1910  
*Chirocephalus brevipalpis* (Orghidan, 1953) (sensu Petkovski, 1991)  
 =*Palpicephalus brevipalpis* Orghidan, 1953  
*Chirocephalus brteki* Cottarelli, Aygen & Mura, 2010  
*Chirocephalus carnuntanus* (Brauer, 1877)  
 =*Branchipus (Chirocephalus) carnuntanus* Brauer, 1877  
 =*Branchipus birostratus* var. *carnuntanus* (Brauer, 1877)  
 =*Pristicephalus carnuntanus* (Brauer, 1877)  
*Chirocephalus chyzeri* (Daday, 1890)  
 =*Branchipus diaphanus* var. *chyzeri* Daday, 1890  
 =*Chirocephalus spinicaudatus* var. *chyzeri* Daday, 1890  
*Chirocephalus croaticus* Steuer, 1899 (sensu Brancelj & Gorjanc, 1999)  
 =*Chirocephalus diaphanus* var. *croatica* Steuer, 1899  
 =*Chirocephalus spinicaudatus croaticus* Steuer, 1899  
*Chirocephalus cupreus* Cottarelli, Mura, & Özkütük, 2007  
*Chirocephalus diaphanus* Prévost, 1803 (not in Jurine, 1820)  
 =*Cancer stagnalis* Shaw, 1791 (nomen praeoccupatum)  
 =*Branchipus chirocephalus* Guérine, 1829  
 =*Branchipus prevostii* Fischer, 1834  
 =*Chirocephalus prevostii* (Fischer, 1834)  
 =*Branchipus diaphanus* (Prévost, 1803)  
 =*Chirocephalus diaphanus carinatus* Daday, 1910  
 =*Chirocephalopsis diaphanus* (Prévost, 1803)  
 =*Chirocephalus stagnalis* var. *carinatus* Daday, 1910a  
 =*Chirocephalus stagnalis* var. *pentheri* Pesta, 1921  
 =*Chirocephalus diaphanus romanicus* Stoicescu, 1992  
*Chirocephalus festae* Colosi, 1922  
*Chirocephalus gobisteppensis* (Naganawa & Zagas, 2003)  
 =*Galaziella gobisteppensis* Naganawa & Zagas, 2003  
*Chirocephalus graziellae* nom. nov.  
 =*Galaziella murae* Alonso & Naganawa, 2008 (nomen praeoccupatum)  
*Chirocephalus hardingi* Brtek, 1965  
*Chirocephalus horribilis* Smirnov, 1948  
*Chirocephalus jaxartensis* (Smirnov, 1948)  
 =*Pristicephalus jaxartensis* Smirnov, 1948  
*Chirocephalus josephinae* (Grube, 1853)  
 =*Branchipus josephinae* Grube, 1853  
 =*Pristicephalus josephinae* (Grube, 1853)  
*Chirocephalus kerkyrensis* Pesta, 1936  
 =*Chirocephalus kerkyrensis stellae* Brtek, 1966  
 =*Chirocephalus stellae* (Brtek, 1966)  
*Chirocephalus ludmilae* Vekhoff, 1992a  
*Chirocephalus marchesonii* Ruffo & Vesentini, 1957  
*Chirocephalus mongolianus* Uéno, 1940  
 =*Galaziella mongoliana* (Uéno, 1940)  
*Chirocephalus murae* Brtek & Cottarelli, 2006  
*Chirocephalus nankinensis* (Shen, 1933)  
 =*Eubranchipus nankinensis* Shen, 1933  
*Chirocephalus neumanni* Hartland-Rowe, 1967  
*Chirocephalus orghidani* Brtek, 1966  
 =*Ceratocephalus recticornis* Orghidan, 1948  
*Chirocephalus paphlogonicus* Cottarelli, 1971  
*Chirocephalus pelagonicus* Petkovski, 1986  
*Chirocephalus ponticus* Beladjal & Mertens, 1997  
*Chirocephalus povolnyi* Brtek, 1967  
*Chirocephalus priscus* (Daday, 1910)  
 =*Pristicephalus priscus* Daday, 1910  
*Chirocephalus recticornis* (Brauer, 1877)  
 =*Branchipus recticornis* Brauer, 1877  
 =*Pristicephalus recticornis* (Brauer, 1877)  
*Chirocephalus reiseri* Marcus, 1913  
*Chirocephalus ripophilus* (Lepeschkin, 1921)  
 =*Pristicephalus josephinae* var. *ripophilus* Lepeschkin, 1921  
*Chirocephalus robustus* Müller, 1966  
 =*Chirocephalus spinicaudatus robustus* Müller, 1966  
 =*Chirocephalus spinicaudatus robukstus* Müller, 1966  
*Chirocephalus ruffoi* Cottarelli & Mura, 1984  
*Chirocephalus salinus* Daday, 1910a  
 =*Chirocephalus stagnalis* var. *salinus* Daday, 1910  
*Chirocephalus shadini* (Smirnov, 1928)  
 =*Pristicephalus josephinae* var. *shadini* Smirnov, 1928  
 =*Pristicephalus hungaricus* Kertész, 1956  
 =*Pristicephalus hungaricus warsoviensis* Zwolski, 1956

- Chirocephalus sibyllae* Cottarelli & Mura, 1975  
*Chirocephalus sinensis* Thiele, 1907  
*Chirocephalus skorikowi* Daday, 1912  
*Chirocephalus slovacicus* Brtek, 1971  
*Chirocephalus soulukliensis* Rogers & Soufi, 2013  
*Chirocephalus spinicaudatus* Simon, 1886  
 =*Chirocephalus spinicaudatus* var. *typicus* Daday, 1910  
*Chirocephalus tauricus* Pesta, 1921(sensu Cottarelli et al., 2010)  
 =*Chirocephalus (Chirocephalellus) tauricus* Pesta, 1921  
*Chirocephalus tereki* Brtek, 1984  
*Chirocephalus turkestanicus* Daday, 1910  
*Chirocephalus vornatscheri* Brtek, 1968  
*Chirocephalus vornatscheri bulgaricus* Flößner, 1908  
*Chirocephalus wangi* Hsu, 1933  
*Chirocephalus weisigi* Smirnov, 1933
- Dexteria Brtek, 1965** (sensu Rogers, 2002)  
*Dexteria floridana* (Dexter, 1953) (sensu Rogers, 2002b)  
 =*Eubbranchipus floridianus* Dexter, 1953
- Eubbranchipus Verrill, 1870** (sensu Belk, 1995, Brendonck & Belk, 1997, Rogers, 2002)  
*Eubbranchipus (Eubbranchipus) Verrill, 1870*  
 =*Creaseria* Brtek, 1966 (nomen praeoccupatum: *Creaseria* Holthuis, 1950 (Crustacea: Decapoda)  
 =*Forbesia* Brtek, 1966 (nomen praeoccupatum: *Forbesia* Lacaze-Duthiers & Delage, 1892 (Tunicata: Asidiacea))  
*Eubbranchipus (Eubbranchipus) bundyi* Forbes, 1876  
 =*Branchipus bundyi* (Forbes, 1876) Underwood, 1886  
 =*Branchipus gelidus* Hay & Hay, 1889  
 =*Eubbranchipus gelidus* (Hay & Hay, 1889) Johansen, 1921 (fide Creaser, 1930)  
 =*Pristicephalus bundyi* (Forbes, 1876) Creaser, 1935  
 =*Chirocephalopsis bundyi* (Forbes, 1876) Linder, 1941  
 =*Chirocephalus bundyi* (Forbes, 1876) Broch, 1965  
*Eubbranchipus (Eubbranchipus) holmani* (Ryder, 1879)  
 =*Chirocephalus holmani* Ryder, 1879 (not 1880, as per Brtek, 1997)  
 =*Branchinella gissleri* Daday, 1910 (nomen dubium)  
 =*Branchinella holmani* (Ryder, 1879)  
 =*Ino holmanii* (Ryder, 1979) Fowler, 1912  
 =*Tanymastix holmani* (Ryder, 1979)  
 =*Pristicephalus comptus* Mattox, 1936  
*Eubbranchipus (Eubbranchipus) intricatus* Hartland-Rowe, 1967  
 =*Chirocephalopsis* sp. Hartland-Rowe, 1965  
 =*Eubbranchipus gelidus* (in error) Brtek, 1966  
*Eubbranchipus (Eubbranchipus) moorei* Brtek, 1967  
*Eubbranchipus (Eubbranchipus) neglectus* Garman, 1926 (Belk et al., 1998)  
 =*Eubbranchipus vernalis neglectus* Brtek, 1966  
*Eubbranchipus (Eubbranchipus) oregonus* Creaser, 1930  
*Eubbranchipus (Eubbranchipus) ornatus* Holmes, 1910  
*Eubbranchipus (Eubbranchipus) serratus* Forbes, 1876  
 =*Branchipus serratus* (Forbes, 1876) in Underwood, 1886  
 =*Chirocephalus serratus* (Forbes, 1876)  
 =*Eubbranchipus dadayi* Pearse, 1913(fide Van Cleave, 1928)
- Eubbranchipus (Eubbranchipus) stegosus* Rogers, Jensen & Floyd, 2004  
*Eubbranchipus (Eubbranchipus) vernalis* (Verrill, 1869) (sensu Belk et al., 1998)  
 =*Branchipus vernalis* Verrill, 1869  
 =*Branchipus stagnalis* De Kay, 1844  
 =*Branchipus* sp. Leidy, 1880  
*Eubbranchipus (Drepanosurus) Simon, 1886*  
*Eubbranchipus (Drepanosurus) birostratus* (Fischer, 1851)  
 =*Branchipus birostratus* Fischer, 1851  
 =*Chirocephalopsis birostratus* (Fischer, 1851)  
 =*Chirocephalus birostratus* (Fischer, 1851)  
 =*Drepanosurus birostratus* (Fischer, 1851)  
*Eubbranchipus (Drepanosurus) claviger* (Fischer, 1851)  
 =*Branchipus claviger* Fischer, 1851  
 =*Chirocephalopsis claviger* (Fischer, 1851)  
 =*Chirocephalus claviger* (Fischer, 1851)  
 =*Drepanosurus claviger* (Fischer, 1851)  
*Eubbranchipus (Drepanosurus) hankoi* (Dudich, 1927)  
 =*Chirocephalopsis hankoi* Dudich, 1927  
 =*Chirocephalopsis convergens* Schäferna, 1931  
 =*Drepanosurus hankoi* (Dudich, 1927)  
*Eubbranchipus (Drepanosurus) rostratus* (Daday, 1910)  
 =*Chirocephalopsis rostratus* Daday, 1910  
 =*Drepanosurus rostratus* (Daday, 1910)  
*Eubbranchipus (Drepanosurus) uchidai* (Kikuchi, 1957)  
 =*Chirocephalopsis uchidai* Kikuchi, 1957  
 =*Drepanosurus uchidai* (Kikuchi, 1957)  
*Eubbranchipus (Drepanosurus) vladimiri* Vekhoff & Vekhova, 1992  
 =*Drepanosurus vladimiri* Vekhoff & Vekhova, 1992  
*Eubbranchipus (Siphonophanes) Simon, 1886*  
*Eubbranchipus (Siphonophanes) grubii* (Dybowski, 1860)  
 =*Branchipus grubii* Dybowski, 1860  
 =*Branchipus hungaricus* Chyzer, 1861  
 =*Chirocephalus (Siphonophanes) grubii* (Dybowski, 1860)  
 =*Chirocephalopsis (Siphonophanes) grubii* (Dybowski, 1860)  
 =*Siphonophanes grubii* (Dybowski, 1860)
- Linderiella Brtek, 1964** (sensu Rogers, 2002)  
*Linderiella africana* Thiéry, 1986a  
*Linderiella baetica* Alonso & Garcia-de-Lomas, 2009  
*Linderiella massaliensis* Thiéry & Champeau, 1988  
*Linderiella occidentalis* (Dodds, 1923)  
 =*Branchinecta occidentalis* Dodds, 1923  
 =*Eubbranchipus occidentalis* (Dodds, 1923)  
 =*Pristicephalus occidentalis* (Dodds, 1923) Linder, 1941  
*Linderiella santarosae* Thiéry & Fugate, 1994
- Parartemiopsis Rogers, 2005**  
*Parartemiopsis longicornis* (Smirnov, 1930) (sensu Rogers, 2005, 2006b)  
 =*Pristicephalus longicornis* Smirnov, 1930  
 =*Chirocephalus longicornis* (Smirnov, 1930)  
 =*Parartemiopsis mongolicus* Rogers, 2005

**Polyartemia S. Fischer, 1851** (sensu Brendonck & Belk, 1997)

*Polyartemia forcipata* S. Fischer, 1851  
= *Branchipus forcipatus* (S. Fischer, 1851)

**Polyartemiella Daday, 1910** (sensu Rogers, 2002)

*Polyartemiella hazeni* (Murdoch, 1884)  
= *Polyartemia hazeni* Murdoch, 1884  
*Polyartemiella judayi* Daday, 1910

#### FAMILIA INCERTAE SEDIS

##### Family †GILSONICARIDIDAE Van Straelen, 1943

†*Gilsonicaris* Van Straelen, 1943

†*Gilsonicaris rhemanus* Van Straelen, 1943

##### Family †PALAEOCHIROCEPHALIDAE

Trussova, 1975

†*Palaeochirocephalus* Trussova, 1975

†*Palaeochirocephalus rasnitsyni* (Trussova, 1971)

= †*Chirocephalus rasnitsyni* Trussova, 1971

†*Palaeochirocephalus* (?) *vialovi* Trussova, 1975

#### ACKNOWLEDGEMENTS

I am extremely grateful to Sergey Anosov and Alexey Kotov for helping me find certain Russian literature. As always, I am indebted to my very good friend Brian V. Timms for his excellent reviews and comments. I would also like to extend my gratitude to Alain Thiéry for catching some unfortunate errors.

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