

SOME NEW GENERIC NAMES IN THE CICADELLIDAE
(HEMIPTERA: DELTOCEPHALINAE, SELENOCEPHALINAE)

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Abstract.—**New replacement names** are proposed for eleven genera of deltocephaline and selenocephaline leafhoppers: *Mehiphanes* for *Hemiphanes* Emeljanov (subgenus of *Euscelis*), *Ctenurellina* for *Ctenurella* Vilbaste, *Mocolinna* for *Mocoa* Linnavuori & DeLong, *Saadevra* for *Saavedra* Linnavuori & DeLong, *Salsocolila* for *Salsolicola* Theron, *Suarezilinna* for *Suarezia* Linnavuori & DeLong, *Idyinna* for *Idyia* Linnavuori (subgenus of *Cicadulina*), *Garusa* for *Argusa* Emeljanov (subgenus of *Phlebiastes*), *Dwightla* for *Dwightia* Linnavuori & Al-Ne'amy, *Bumka* for *Kumba* Linnavuori & Al-Ne'amy, and *Moluccazhangia* for *Moluccasia* Zhang & Webb. The new generic names circumscribe 27 valid species, all of which, except three in the preoccupied subgenera, are here proposed in new combinations. The **new tribe Dwightlini** is proposed to replace Dwightiini.

Key Words: leafhoppers, Homoptera, Auchenorrhyncha, new genus, new tribe

Numerous generic homonyms were discovered while preparing a database of world leafhoppers that will be made available separately. The following changes in Deltocephalinae and Selenocephalinae are meant to correct cicadellid classification with respect to the International Code of Zoological Nomenclature (ICZN; International Commission on Zoological Nomenclature 1999). Taxa are listed alphabetically within their higher taxa.

It warrants mention that, if it is ever again thought to constitute a separate genus-group entity, a new replacement name would also be needed for *Insulanus* Linnavuori, 1960 (described as a subgenus of *Deltocephalus*). The subgenus was placed in synonymy under *Recilia* Edwards, 1922, by Knight (1975a) and is preoccupied by a beetle genus described in 1930.

Another preoccupied leafhopper genus-group name is *Bubulcus* Dlabola 1961b,

which was described as a subgenus of *Paralimnus* and is preoccupied by the genus of the cattle egret, described in 1845. The type species of *Bubulcus* Dlabola is *Paralimnus cingulatus* Dlabola, 1960b, which was later designated as the type species of another monotypic genus, *Paralimnellus* Emeljanov 1972d. Hence, as Asche and Webb (1994) noted, the valid combination for the species is *Paralimnellus cingulatus*. No replacement name is needed. Note that *Bubulcus* Dlabola was treated as a full genus, separate from *Paralimnus*, in Hamilton's (1975b) review of tribal classification of Deltocephalinae.

Letter designations for literature citations through 1985 are consistent with the bibliographies by Metcalf (1964a) and Oman et al. (1990).

Subfamily Deltocephalinae

Tribe Athysanini

***Ctenurellina* McKamey, new name**

Ctenurellina, *nomen novum* for *Ctenurella* Vilbaste 1968a: 140, preoccupied by *Ctenurella* Ørvig 1960 (Pisces, fossil). Type species: *Ctenurella paludosa* Vilbaste.

***Ctenurellina paludosa* (Vilbaste), new combination**

Ctenurella paludosa Vilbaste 1968a: 141 [n. sp.].

***Euscelis* (*Mehiphanes*) McKamey, new subgeneric name**

Mehiphanes, *nomen novum* for *Euscelis* (*Hemiphanes*) Emeljanov 1999b: 608, preoccupied by *Hemiphanes* Foerster 1868: 172 (Hymenoptera; Ichneumonidae). Type species: *Euscelis heptneri* Zachvatkin.

***Euscelis* (*Mehiphanes*) *heptneri* (Zachvatkin), new subgeneric placement**

Euscelis heptneri Zachvatkin.

Euscelis (*Hemiphanes*) *heptneri*; Emeljanov 1999b: 608 [subgeneric placement].

The origin of the name *Euscelis heptneri* is uncertain as Emeljanov (1999b, c) did not cite its original description and attempts at finding it in other literature were unsuccessful. Zachvatkin described a *heptneri* in another athysanine taxon [*Hardya* (*Mimohardya*)], but it is highly unlikely that Emeljanov was referring to that species because in the same publication in which he described *Hemiphanes*, he elevated *Mimohardya* to full generic status, and there are no other species in that genus.

***Mocolinna* McKamey, new name**

Mocolinna, *nomen novum* for *Mocoa* Linnavuori & DeLong 1978d: 236, preoccupied by *Mocoa* Gray 1845 (Reptilia). Type species: *Mocoa elegans* Linnavuori & DeLong.

***Mocolinna elegans* (Linnavuori & DeLong), new combination**

Mocoa elegans Linnavuori & DeLong 1978d: 236 [n. sp.].

***Saadevra* McKamey, new name**

Saadevra, *nomen novum* for *Saavedra* Linnavuori & DeLong 1978b: 122, preoccupied by *Saavedra* Girault 1933 (Hymenoptera). Type species: *Mesamia fasciata* Osborn.

***Saadevra fasciata* (Osborn), new combination**

Mesamia fasciata Osborn 1923c: 47 [n. sp.].

Menosoma fasciata; Linnavuori 1959b: 185 [implicit n. comb.].

Saavedra fasciata; Linnavuori & DeLong 1978b: 122 [n. comb.].

***Salsocolila* McKamey, new name**

Salsocolila, *nomen novum* for *Salsolicola* Theron 1979a: 80, preoccupied by *Salsolicola* Kuznetzov 1960 (Lepidoptera). Type species: *Salsolicola plana* Theron.

***Salsocolila calvinia* (Theron), new combination**

Salsolicola calvinia Theron 1979a: 82 [n. sp.].

***Salsocolila cristata* (Theron), new combination**

Salsolicola cristata Theron 1979a: 82 [n. sp.].

***Salsocolila plana* (Theron), new combination**

Salsolicola plana Theron 1979a: 80 [n. sp.].

***Suarezilinna* McKamey, new name**

Suarezilinna, *nomen novum* for *Suarezia* Linnavuori & DeLong 1978b: 121, preoccupied by *Suarezia* Budde-Lund 1904 (Crustacea). Type species: *Eutettix reflexus* Osborn.

***Suarezilinna reflexa* (Osborn), new combination**

Eutettix reflexus Osborn 1923c: 55 [n. sp.].

Menosoma reflexa; Linnavuori 1959b: 186 [n. comb.].

Suarezia reflexa; Linnavuori & De-Long 1978b: 121 [n. comb.].

Tribe Macrostelini

***Cicadulina (Idyinna) McKamey*,
new subgeneric name**

Idyinna, *nomen novum* for *Cicadulina (Idyia)* Linnavuori 1960b: 58, preoccupied by *Idyia* Rafinesque 1814 (Crustacea). Type species: *Cicadulina (Idyia) fijiensis* Linnavuori.

***Cicadulina (Idyinna) fijiensis* (Linnavuori),
new subgeneric placement**

Cicadulina (Idyia) fijiensis Linnavuori 1960b: 59 [n. sp.].

Tribe Paralimnini

***Phlebiastes (Garusa) McKamey*,
new subgeneric name**

Garusa, *nomen novum* for *Phlebiastes (Argusa)* Emeljanov 1999b: 608, preoccupied by *Argusa* Kelham 1881: 530, *nomen novum* for *Argus* Temmink 1907 (Aves). Type species: *Arocephalus elymi* Emeljanov 1962a: 183.

***Phlebiastes (Garusa) elymi* (Emeljanov),
new subgeneric placement**

Arocephalus elymi Emeljanov 1962a: 183 [n. sp.].

Phlebiastes (Argusa) elymi; Emeljanov 1999b: 608 [n. comb.].

Subfamily Selenocephalinae

Dwightlini McKamey, new tribe

The tribe Dwightiini was proposed by Linnavuori & Al-Ne'amy (1983a). Names of family group taxa based on junior homonyms are to be replaced (ICZN Art. 39), in this case by a name based on the valid name of the former type genus *Dwightia*. The tribe contains only *Dwightla*, the new replacement name for *Dwightia*.

***Dwightla* McKamey, new name**

Dwightla, *nomen novum* for *Dwightia* Linnavuori & Al-Ne'amy 1983a: 24, preoccupied by *Dwightia* Wilson 1924 (Crus-

tacea). Type species: *Dwightia acutipennis* Linnavuori & Al-Ne'amy.

***Dwightla acutipennis* (Linnavuori & Al-Ne'amy), new combination**

Dwightia acutipennis Linnavuori & Al-Ne'amy 1983a: 26 [n. sp.].

***Dwightla alecto* (Linnavuori & Al-Ne'amy), new combination**

Dwightia alecto Linnavuori & Al-Ne'amy 1983a: 26 [n. sp.].

***Dwightla angolana* Linnavuori & Al-Ne'amy), new combination**

Dwightia angolana (Linnavuori & Al-Ne'amy 1983a: 25 [n. sp.].

***Dwightla hercules* (Linnavuori & Al-Ne'amy), new combination**

Dwightia hercules Linnavuori & Al-Ne'amy 1983a: 26 [n. sp.].

Tribe Selenocephalini

***Bumka* McKamey, new name**

Bumka, *nomen novum* for *Kumba* Linnavuori & Al-Ne'amy 1983a: 85, preoccupied by *Kumba* Marshall 1973 (Pisces). Type species: *Selenocephalus armatissimus* Linnavuori.

***Bumka agesilaus* (Linnavuori & Al-Ne'amy), new combination**

Kumba agesilaus Linnavuori & Al-Ne'amy 1983a: 90 [n. sp.].

***Bumka albunea* (Linnavuori & Al-Ne'amy), new combination**

Kumba albunea Linnavuori & Al-Ne'amy 1983a: 89 [n. sp.].

***Bumka amphitryon* (Linnavuori & Al-Ne'amy), new combination**

Kumba amphitryon Linnavuori & Al-Ne'amy 1983a: 87 [n. sp.].

***Bumka armatissima* (Linnavuori), new combination**

Selenocephalus armatissimus Linnavuori 1969a: 1165 [n. sp.].

Kumba armatissima; Linnavuori & Al-Ne'amy 1983a: 86 [n. comb.].

***Bumka asera* (Linnavuori & Al-Ne'amy), new combination**

Kumba asera Linnavuori & Al-Ne'amy 1983a: 90 [n. sp.].

Bumka bifalcata (Linnavuori & Al-Ne'amy), **new combination**

Kumba bifalcata Linnavuori & Al-Ne'amy 1983a: 89 [n. sp.].

Bumka graphica (Linnavuori & Al-Ne'amy), **new combination**

Kumba graphica Linnavuori & Al-Ne'amy 1983a: 89 [n. sp.].

Bumka leimonias (Linnavuori), **new combination**

Selenocephalus leimonias Linnavuori 1969a: 1166 [n. sp.].

Kumba leimonias; Linnavuori & Al-Ne'amy 1983a: 89 [n. comb.].

Bumka pylaon (Linnavuori), **new combination**

Selenocephalus pylaon Linnavuori 1969a: 1167 [n. sp.].

Kumba pylaon; Linnavuori & Al-Ne'amy 1983a: 85 [n. comb.].

Bumka thyestes (Linnavuori), **new combination**

Selenocephalus thyestes Linnavuori 1969a: 1168 [n. sp.].

Kumba thyestes; Linnavuori & Al-Ne'amy 1983a: 86 [n. comb.].

Bumka varia (Signoret), **new combination**

Selenocephalus varius Signoret 1858 [in Fairmaire & Signoret 1858a: 343] [n. sp.].

Kumba varia; Linnavuori & Al-Ne'amy 1983a: 86 [n. comb.].

Moluccazhangia McKamey, new name

Moluccazhangia, *nomen novum* for *Moluccasia* Zhang & Webb 1996a: 8, preoccupied by *Moluccasia* Rehn 1948 (Orthoptera). Type species: *Selenocephalus marmoreus* Walker.

Moluccazhangia marmorea (Walker), **new combination**

Selenocephalus marmoreus Walker 1870b: 325 [n. sp.].

Moluccasia marmorea; Zhang & Webb 1996a: 8 [n. comb.].

Moluccazhangia notula (Walker), **new combination**

Selenocephalus notulus Walker 1870b: 326 [n. sp.].

Moluccasia notula; Zhang & Webb 1996a: 8 [n. comb.].

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LITERATURE CITED

- Asche, M. and M. D. Webb. 1994. Review of the southern Palaearctic and Palaetropical leafhopper genus *Hengchunia* Vilbaste (Homoptera, Cicadellidae). Tijdschrift Voor Entomologie 137: 143–154.
- Budde-Lund, G. 1904. A Revision of "Crustacea Isopoda Terrestria" with Additions and Illustrations. 1. Eubelum. 2. Spherillionae. 3. Armadillo. H. Hagerup, Copenhagen. 144 pp.
- Dlabola, J. 1960b. Einige neue Zikaden aus Dagestan und Zentralasien (Homoptera). Stuttgarter Beiträge zur Naturkunde aus dem staatliche Museum für Naturkunde in Stuttgart 40: 1–5.
- . 1961b. Die Zikaden von Zentralasien, Dagestan und Transkaukasien (Homopt. Auchenorrhyncha). Acta Entomologica Musei Nationalis Pragae 34: 241–358.
- Emeljanov, A. F. 1972d. New Palaearctic leafhoppers of the subfamily Deltocephalinae (Homoptera, Cicadellidae). Entomologicheskoe Obozrenie 51: 102–111. [In Russian.]
- . 1999b. [A key to the genera of the subfamily Deltocephalinae s.l. (Homoptera, Cicadellidae) from Kazakstan, Middle Asia and Mongolia with description of new genera and subgenera.] Entomologicheskoye Obozreniye 78(3): 589–609. [In Russian.]
- . 1999c. A key to the genera of the subfamily Deltocephalinae s.l. (Homoptera, Cicadellidae) from Kazakstan, Middle Asia and Mongolia with description of new genera and subgenera. Entomological Review 79(5): 547–562.
- Fairmaire, L. and V. Signoret. 1858a. Hémiptères, Homoptères, Latreille. Deuxième partie, pp. 330–343. In Thomson, J., ed. Voyage au Gabon. Histoire naturelle des insectes et des arachnides recueillis pendant un voyage fait au Gabon en 1856 et en 1857 par M. Henry C. Deyrolle, sous les auspices de MM. Le Comte de Mnischev et James

- Thomson précédée de l'histoire du voyage par M. James Thomson. Archives Entomologiques ou recueil contenant des illustrations d'insectes nouveaux ou rares par M. James Thomson 2. 469 pp.
- Foerster, J. R. 1868. Synopsis der Familien und Gattungen de Ichneumoniden. Verhandlungen des Naturhistorischen Vereines der Preussischen Rheinlande, Westfalens und des Reg. Bez. Osnabruck. Bonn. 25: 135–221.
- Girault, A. A. 1933. Some Beauties Inhabitant not of Commercial Boudoirs but of Nature's Bosom, Notably New Insects. Privately printed. 5 pp.
- Gray, J. E. 1845. Catalogue of the Specimens of Lizards in the Collection of the British Museum [Natural History]. British Museum (Natural History), London. xxviii + 289 pp.
- Hamilton, K. G. A. 1975b. Review of the tribal classification of the leafhopper subfamily Aphrodinae (Deltocephalinae of authors) of the Holarctic region (Rhynchota: Homoptera: Cicadellidae). Canadian Entomologist 107: 477–498.
- International Commission on Zoological Nomenclature. 1999. International Code of Zoological Nomenclature. 4th ed. International Trust for Zoological Nomenclature, London. xxix + 306 pp.
- Kelham, H. R. 1881. Ornithological notes made in the Straits Settlements and in the Western States of the Malay Peninsula. The Ibis (4th Series) 5: 501–532.
- Knight, W. J. 1975a. Deltocephalinae of New Zealand (Homoptera: Cicadellidae). New Zealand Journal of Zoology 2: 169–208.
- Kuznetsov, V. I. 1960. New species of the genera *Sal-solicola* Kuznetz., g. nov., *Pammene* Hb. and *Laspheyresia* Hb. (Lepidoptera, Tortricidae) of the fauna of the USSR. Entomologicheskoe Obozrenie 39: 189–199. [In Russian.]
- Linnavuori, R. 1959b. Revision of the Neotropical Deltocephalinae and some related subfamilies (Homoptera). Suomalaisen Eläin- ja Kasvitieteellisen Seuran Vanamon Eläintieteellisiä Julkaisuja 20: 1–370.
- . 1960b. Cicadellidae (Homoptera, Auchenorrhyncha) of Fiji. Acta Entomologica Fennica 15: 1–71.
- . 1969a. Contribution à la faune du Congo (Brazzaville). Mission A. Villiers et A. Descarpentries XCIII. Hemipteres Hylcidae et Cicadellidae. Bulletin de l'Institut Fondamental d'Afrique Noire (Series A) 31: 1129–1185.
- Linnavuori, R. and K.T. Al-Ne'amy. 1983a. Revision of the African Cicadellidae (subfamily Selenocephalinae) (Homoptera, Auchenorrhyncha). Acta Zoologica Fennica 168 105 pp.
- Linnavuori, R. and D.M. DeLong. 1978b. Neotropical leafhoppers of the *Bahita* group (Homoptera: Cicadellidae: Deltocephalinae). A contribution to the taxonomy. Brenesia 14–15: 109–169.
- . 1978d. Some new or little known Neotropical Deltocephalinae (Homoptera: Cicadellidae). Brenesia 14&15: 227–247.
- Marshall, N. B. 1973. Fishes of the western north Atlantic. Genus *Cetonurus* Günther 1887. Memoir, Sears Foundation for Marine Research 1: 613–623.
- Metcalf, Z. P. 1964a. General Catalogue of the Homoptera. Fascicle VI. Cicadelloidea. Bibliography of the Cicadelloidea (Homoptera: Auchenorrhyncha). United States Department of Agriculture, Agriculture Research Service. 349 pp.
- Ørvig, T. 1960. New finds of acanthodians, crossopterygians, ganoids and dipnoans in the Upper Middle Devonian calcareous flags (Oberer Plattenkalk) of the Begische Gladbach-Paffrath Trough. Paläontologische Zeitschrift 34: 295–335.
- Oman, P. W., W. J. Knight, and M. W. Nielson. 1990. Leafhoppers (Cicadellidae): a Bibliography, Generic Check-list and Index to the World Literature 1956–1985. CAB International Institute of Entomology, Wallingford, UK. [iv] + 368 pp.
- Osborn, H. 1923c. Neotropical Homoptera of the Carnegie Museum. Part 2. Records and descriptions of five new genera and sixty-five new species of the subfamily Jassinae. Annals of the Carnegie Museum 15: 27–79.
- Rafinesque, C. S. 1814. Précis des découvertes et travaux somiologiques de Mr. C. S. Rafinesque-Schmaltz entre 1800 et 1814 ou Choix raisonné de ses principales découvertes en zoologie et en botanique, pour servir d'introduction à ses ouvrages futurs. Royale typographie militaire, aux dépens de l'auteur. Palerme. 55 pp.
- Rehn, J. A. G. 1948. Replacement of two preoccupied names of Tetrigidae (Orthoptera: Acridoidea). Entomological News 59: 154–155.
- Theron, J. G. 1979a. Cicadellidae (Hemiptera) associated with the ganna bush, *Salsola esterhuyseniae* Botsch. Journal of the Entomological Society of Southern Africa 42: 77–88.
- Vilbaste, J. 1968a. Systematic Treatise of Cicadas Found on the Edge of the Coastal Regions. Über die Zikadenfauna des Primorje Gebietes. Izdatel'stvo "Valgus," Tallin. 195 pp. [In Russian.]
- Walker, F. 1870b. Catalogue of the Homopterous insects collected in the Indian Archipelago by Mr. A. R. Wallace, with descriptions of new species. Linnean Society of London Journal Zoology 10: 276–330.
- Wilson, C. B. 1924. New North American Parasite Copepods, New Hosts and Notes on Copepod Literature. Proceedings of the United States National Museum 64 art. 17. 22 pp.
- Zhang Y. and M. D. Webb. 1996. A Revised Classification of the Asian and Pacific Selenocephaline Leafhoppers (Homoptera: Cicadellidae). Bulletin of the Natural History Museum, Entomology Series 65(1) 103 pp.



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