

## NOMENCLATURAL CHANGES FOR SEVEN PREOCCUPIED SPIDER GENERA (ARACHNIDA: ARANEAE)

**Hüseyin Özdikmen\***

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

**[Özdikmen, H. 2007. Nomenclatural changes for seven preoccupied spider genera (Arachnida: Araneae). Munis Entomology & Zoology 1 (2): 137-142]**

ABSTRACT: Seven junior homonyms were detected amongst the Araneae genera and the following replacement names are proposed: *Mesudus* nom. nov. for *Manawa* Forster, 1970 (Desidae); *Locketella* nom. nov. for *Kuala* Locket, 1982 (Linyphiidae); *Millidgefa* nom. nov. for *Notiothauma* Millidge, 1991 (Linyphiidae); *Neovaldiviella* nom. nov. for *Valdiviella* Millidge, 1985 (Linyphiidae); *Eminella* nom. nov. for *Catuna* Mello-Leitão, 1940 (Philodromidae); *Necatia* nom. nov. for *Davidina* Brignoli, 1985 (Salticidae); *Eyukseus* nom. nov. for *Propetes* Menge, 1854 (Salticidae). Accordingly, new combinations are herein proposed for the species currently included in these genera: *Mesudus solitarius* (Forster, 1970) comb. nov., *Mesudus frondosus* (Forster, 1970) comb. nov. and *Mesudus setosus* (Forster, 1970) comb. nov. from *Manawa*; *Locketella versa* (Locket, 1982) comb. nov., *Locketella fissivulva* (Millidge & Russell-Smith, 1992) comb. nov. and *Locketella pusilla* (Millidge & Russell-Smith, 1992) comb. nov. from *Kuala*; *Millidgefa aurantiacum* (Simon, 1905) comb. nov. from *Notiothauma*; *Neovaldiviella trisetosa* (Millidge, 1985) comb. nov. from *Valdiviella*; *Eminella ctenops* (Mello-Leitão, 1940) comb. nov. from *Catuna*; *Necatia magnidens* (Schenkel, 1963) comb. nov. from *Davidina*; *Eyukseus felinus* (Menge, 1854) comb. nov. from *Propetes*.

KEY WORDS: nomenclatural changes, homonymy, replacement names, spider, Araneae.

### TAXONOMY

#### Family DESIDAE

#### Genus *MESUDUS* nom. nov.

*Manawa* Forster, 1970. Otago Mus.Bull. No.3: 51. (Arachnida: Araneae: Desidae). Preoccupied by *Manawa* Hornibrook, 1949. Trans. Proc. Roy. Soc. N.Z., 77, 470. (Crustacea: Ostracoda: Palaeocophida: Beyrichicopida: Punciidae).

Remarks: The name *Manawa* was initially introduced by Hornibrook, 1949 for a genus of the ostracod family Punciidae (with the type species *Manawa tryphena* Hornibrook 1949 from New Zealand). Subsequently, Forster, 1970 described a new spider genus of the family Desidae (with the type species *Manawa solitaria* Forster, 1970 from New Zealand) under the same generic name (Platnick, 2005). Thus, the genus *Manawa* Forster, 1970 is a junior homonym of the genus *Manawa* Hornibrook 1949. According to Article 60 of the International Code of Zoological Nomenclature, I propose for the genus *Manawa* Forster, 1970 the new replacement name *Mesudus* nom. nov. The name is dedicated to my colleague Mesud Güven. The name is masculine in gender.

**Summary of nomenclatural changes:**

*Mesudus* **nom. nov.** = *Manawa* Forster, 1970 (nec Hornibrook 1949).

*Mesudus solitarius* (Forster, 1970) **comb. nov.** = *Manawa solitaria* Forster, 1970.

*Mesudus frondosus* (Forster, 1970) **comb. nov.** = *Manawa frondosa* Forster, 1970.

*Mesudus setosus* (Forster, 1970) **comb. nov.** = *Manawa setosa* Forster, 1970.

**Family LINYPHIIDAE**  
**Genus *LOCKETELLA* nom. nov.**

*Kuala* Locket, 1982. Bulletin Br. arachnol. Soc. 5 (8): 370. (Arachnida: Araneae: Linyphiidae). Preoccupied by *Kuala* Durette-Desset & Krishnasamy, 1976. Bull.Mus.natn.Hist.nat.Paris (Zool.) 270: 709. (Nematoda: Heligmonellidae).

Remarks: The generic name *Kuala* Durette-Desset & Krishnasamy, 1976 was proposed for a genus of nematods. Subsequently, the generic name *Kuala* Locket, 1982 was introduced for a new spider genus (with the type species *Kuala versa* Locket, 1982) of the family Linyphiidae (Hormiga et al., 2003; Platnick, 2005). Thus, the genus *Kuala* Locket, 1982 is a junior homonym of the genus *Kuala* Durette-Desset & Krishnasamy, 1976. According to Article 60 of the International Code of Zoological Nomenclature, I propose for the genus *Kuala* Locket, 1982 the new replacement name *Locketella* **nom. nov.** The name is given in honour to G. H. Locket who is the current author of the genus name. The name is masculine in gender.

**Summary of nomenclatural changes:**

*Locketella* **nom. nov.** = *Kuala* Locket, 1982 (nec Durette-Desset & Krishnasamy, 1976).

*Locketella versa* (Locket, 1982) **comb. nov.** = *Kuala versa* Locket, 1982.

*Locketella fissivulva* (Millidge & Russell-Smith, 1992) **comb. nov.** = *Kuala fissivulva* Millidge & Russell-Smith, 1992.

*Locketella pusilla* (Millidge & Russell-Smith, 1992) **comb. nov.** = *Kuala pusilla* Millidge & Russell-Smith, 1992.

**Family LINYPHIIDAE**  
**Genus *MILLIDGEFA* nom. nov.**

*Notiothauma* Millidge, 1991. Bull Am Mus Nat Hist No. 205: 125. (Arachnida: Araneae: Linyphiidae). Preoccupied by *Notiothauma* MacLachlan, 1877. Trans. ent. Soc. London, 1877, 427. (Mecoptera: Eomeropidae).

Remarks: The genus *Notiothauma* was erected by MacLachlan, 1877 with the type species *Notiothauma reedi* MacLachlan, 1877 by monotypy from Chile in the mecopteran family Eomeropidae. Later, the genus *Notiothauma* was described by Millidge, 1991 with the type species *Gongylidiellum aurantiacum* Simon, 1905 by monotypy from Argentina (Hormiga et al., 2003; Platnick, 2005). However, the name *Notiothauma* Millidge, 1991 is invalid under the law of homonymy, being a junior homonym of *Notiothauma* MacLachlan, 1877. In accordance with article 60 of the International Code of Zoological Nomenclature, I propose to substitute the junior homonym name

*Notiothauma* Millidge, 1991 for the nomen novum *Millidgefa*. The name is dedicated to A. F. Millidge.

Summary of nomenclatural changes:

*Millidgefa* **nom. nov.** = *Notiothauma* Millidge, 1991 (nec MacLachlan, 1877).

*Millidgefa aurantiacum* (Simon, 1905) **comb. nov.** = *Notiothauma aurantiacum* (Simon, 1905) = *Gongyldiellum aurantiacum* Simon, 1905.

### **Family LINYPHIIDAE** **Genus NEOVALDIVIELLA nom. nov.**

*Valdiviella* Millidge, 1985. American Mus. Novit. No. 2836: 61. (Arachnida: Araneae: Linyphiidae). Preoccupied by *Valdiviella* Steuer, 1904. Zool. Anz., 27, 593. (Copepoda: Calanoida: Aetideidae).

Remarks: Firstly, the genus *Valdiviella* was established by Steuer, 1904 for copepod family Aetideidae with the type species *Valdiviella oligarthra* Steuer, 1904. Later, the genus *Valdiviella* was proposed by Millidge, 1985 for spider family Linyphiidae with the type species *Valdiviella trisetosa* Millidge, 1985 by original designation and monotypy from Chile (Hormiga et al., 2003; Platnick, 2005). However, the name *Valdiviella* Millidge, 1985 is invalid under the law of homonymy, being a junior homonym of *Valdiviella* Steuer, 1904. In accordance with article 60 of the International Code of Zoological Nomenclature, I propose to substitute the junior homonym name *Valdiviella* Millidge, 1985 for the nomen novum *Neovaldiviella*.

Summary of nomenclatural changes:

*Neovaldiviella* **nom. nov.** = *Valdiviella* Millidge, 1985 (nec Steuer, 1904).

*Neovaldiviella trisetosa* (Millidge, 1985) **comb. nov.** = *Valdiviella trisetosa* Millidge, 1985.

### **Family PHILODROMIDAE** **Genus EMINELLA nom. nov.**

*Catuna* Mello-Leitão, 1940. Notas Mus. La Plata, 5, 253. (Arachnidae: Araneae: Philodromidae). Preoccupied by *Catuna* Kirby, 1871. Synon. Cat. diurn. Lep., 238. (Lepidoptera: Papilionoidea: Nymphalidae: Limenitidinae: Limenitidini).

Remarks: Mello-Leitão (1940) proposed the genus *Catuna* with the type species *Catuna ctenops* Mello-Leitão, 1940 by monotypy from Argentina in the spider family Philodromidae (Platnick, 2005). Unfortunately, the generic name was already preoccupied by Kirby (1871), who had proposed the genus name *Catuna* that was proposed with the type species *Papilio crithea* Drury, 1773 in the butterfly family Nymphalidae. *Catuna* Kirby, 1871 was introduced as a replacement name for *Euomma* Felder & Felder, [1867], which is invalid under the law of homonymy. Moreover, *Euomma* was a replacement name for *Jaera* Hübner, [1819], which is also invalid under the law of homonymy. Thus, the genus *Catuna* Mello-Leitão, 1940 is a junior

homonym of the generic name *Catuna* Kirby, 1871. According to Article 60 of the International Code of Zoological Nomenclature, I propose a new replacement name *Eminella* **nom. nov.** for *Catuna* Mello-Leitão, 1940. The name is dedicated to my colleague Dr. Emine Demir. The name is feminine in gender.

Summary of nomenclatural changes:

*Eminella* **nom. nov.** = *Catuna* Mello-Leitão, 1940 (nec Kirby, 1871).

*Eminella ctenops* (Mello-Leitão, 1940) **comb. nov.** = *Catuna ctenops* Mello-Leitão, 1940.

### **Family SALTICIDAE** **Genus *NECATIA* nom. nov.**

*Davidina* Brignoli, 1985. Bulletin Br. arachnol. Soc. 6 (9): 380. (Arachnida: Araneae: Salticidae). Preoccupied by *Davidina* Oberthür, 1879. Etudes entom., 4, 19. (Lepidoptera: Papilionoidea: Nymphalidae: Limenitidinae: Limenitidini).

Remarks: Firstly, the genus *Davidina* was described by Oberthür, 1879 with the type species *Davidina armandi* Oberthür, 1879 by monotypy in the butterfly family Nymphalidae. On the other hand, the genus *Davidia* was proposed by Schenkel, 1963 with the type species *Davidia magnidens* Schenkel, 1963 by original designation from China in the spider family Salticidae (Platnick, 2005). But *Davidia* Schenkel, 1963 is a junior homonym of *Davidia* Hicks, 1873 (Mollusca) and *Davidia* Ribeiro, 1915 (Pisces). Therefore, the name *Davidina* was proposed by Brignoli, 1985 as a replacement name for *Davidia* Schenkel, 1963 preoccupied *Davidia* Hicks, 1873 (Mollusca) and *Davidia* Ribeiro, 1915 (Pisces). At the moment, *Davidina* Brignoli, 1985 is still used as a valid generic name in Araneae (Song *et al.*, 1999; Proszynsky, 2005; Platnick, 2005). However, the name *Davidina* Brignoli, 1985 is also invalid under the law of homonymy, being a junior homonym of *Davidina* Oberthür, 1879. In accordance with article 60 of the International Code of Zoological Nomenclature, fourth edition (1999), I propose to substitute the junior homonym *Davidina* Brignoli, 1985 for the nomen novum *Necatia*. The name is dedicated to Necati Bingöl.

Summary of nomenclatural changes:

*Necatia* **nom. nov.** = *Davidina* Brignoli, 1985 (nec Oberthür, 1879).

*Necatia magnidens* (Schenkel, 1963) **comb. nov.** = *Davidina magnidens* (Schenkel, 1963) = *Davidia magnidens* Schenkel, 1963.

### **Family SALTICIDAE** **Genus *EYUKSELUS* nom. nov.**

*Propetes* Menge, 1854. in Berendt, Bernstein Reste, 1 (2), 93. (Arachnida: Araneae: Salticidae). Preoccupied by *Propetes* Walker, 1851. List Specimens Hom. Ins. Coll. Brit. Mus., 3, 797. (Homoptera: Cicadellidae: Cicadellinae: Proconiini).

Remarks: The name *Propetes* Walker, 1851 was proposed for a genus of leafhoppers family Cicadellidae (with the type species *Propetes compressa* Walker, 1851) (Young, 1968; MacKamey, 2001). Subsequently, the generic name *Propetes* Menge, 1854 was introduced for a new fossil spider genus (with the type species *Propetes felinus* Menge, 1854) of the family Salticidae (Moore, 1955; Keilbach, 1982). Thus, the genus name *Propetes* Menge, 1854 is a junior homonym of the generic name *Propetes* Walker, 1851. In accordance with article 60 of the International Code of Zoological Nomenclature, I propose to substitute the junior homonym name *Propetes* Menge, 1854 for the nomen novum *Eyukselus*. The name is dedicated to my colleague Prof. Dr. Eşref Yüksel. The name is masculine in gender.

Summary of nomenclatural changes:

*Eyukselus* **nom. nov.** = *Propetes* Menge, 1854 (nec Walker, 1851).

*Eyukselus felinus* (Menge, 1854) **comb. nov.** = *Propetes felinus* Menge, 1854.

### LITERATURE CITED

**Brignoli, P. M.** 1985. On some generic homonymies in spiders (Araneae). Bulletin of the British Arachnological Society 6: 380.

**Durette-Desset M. C. & Krishnasamy, M.** 1976. Brevistriatinae (Nematoda - Heligmosomidae). III. Description de *Fissicauda* n. gen. et de *Kuala* n. gen. parasites de petits Mammifères malais. Bull. Mus. natn. Hist. nat., 3ème sér., 388, Zool., 270: 697-710.

**Forster, R. R.** 1970. The spiders of New Zealand. Part III. Otago Mus. Bull. 3: 1-184.

**Holmer, L. E. & Popov, L. E.** 2000. Lingulata. In Treatise on Invertebrate Paleontology, Part H, Brachiopoda (Revised) (2), ed. R.L. Kaesler. Boulder and Lawrence: Geological Society of America and The University of Kansas. pp. 30-146.

**Hormiga, G., Miller, J. A. & Alvarez-Padilla, F.** 2003. LinyGen: Linyphioid Genera of the World (Pimoidae and Linyphiidae), An Illustrated Catalog. Version 1.xx. The George Washington University. Available from: <http://www.gwu.edu/~linygen/index.html>.

**Hornibrook, N. de B.** 1949. A new family of living Ostracoda with striking resemblances to some Palaeozoic Beyrichiidae. Trans. Roy. Soc. N. Z. 77 (4): 469-471.

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

**Keilbach, R.** 1982. Bibliographie und Liste der Arten tierischer Einschlüsse in fossilen Harzen sowie ihrer Aufbewahrungsorte. Dt. Entom. Z. N. F. 29: 129-286.

**Kirby, W. F.** 1871. A synonymic catalogue of diurnal Lepidoptera. John van Voorst, London vii + 690 pp.

**Locket, G. H.** 1982. Some linyphiid spiders from western Malaysia. Bull. Br. arachnol. Soc. 5: 361-384.

**MacLachlan, R.** 1877. On *Notiothauma Reedi*, a remarkable new Genus and Species of Neuroptera from Chile, pertaining to the family Panorptidae. Transactions of the Royal Entomological Society of London 1877:427-430.

**McKamey, S. H.** 2001. Checklist of Leafhopper Species 1758-1955 (Hemiptera: Membracoidea: Cicadellidae and Myserslopiidae) with Synonymy and Distribution [Catalogue of the Homoptera, Fascicle 6, Abridged]. Available from: <http://www.sel.barc.usda.gov/selhome/leafhoppers/mckpaper.htm>. Last Updated: 08/17/2001.

**Mello-Leitão, C. F. de** 1940. Tres géneros extraños de arañas argentinas. Notas Mus. La Plata 5 (Zool. 43): 251-258.

**Menge, A.** 1854. Araneae. in Koch, C.L. & Berendt, G.C. Die im Bernstein befindlichen Crustaceen, Myriapoden, Arachniden und Apteren der Vorwelt. In Berendt, G.C. Die im Bernstein befindlichen organischen Reste der Vorwelt. 1(2): 19-94 [93].

**Millidge, A. F.** 1985. Some Linyphiid spiders from South America (Araneae, Linyphiidae). American Museum Novitates 2836: 1-78.

**Millidge, A. F.** 1991. Further linyphiid spiders (Araneae) from South America. Bulletin of the American Museum of Natural History 205: 1-199.

**Moore, R. C.** 1955. Treatise on invertebrate paeontology. Part Arthropoda 2. Arachnida 16: 44-162.

**Oberthür, C.** 1879. Etudes d'Entomologie 4: 19.

**Platnick, N. I.** 2005. The world spider catalog, version 6.0. American Museum of Natural History. Available from: <http://research.amnh.org/entomology/spiders/catalog/index.html>

**Proszynski, J.** 2003. Salticidae (Araneae) of the World, Part II: Catalogue of Salticidae (Araneae), synthesis of quotations in the world literature since 1940, with basic taxonomic data since 1758, Museum and Institute of Zoology, Polish Academy of Sciences, Ul. Wilecza 64, 00-679 Warsaw, Poland.

**Schenkel E.** 1963. Ostasiatische Spinnen aus dem Museum d'Histoire Naturelle de Paris. Memoires du Museum National d'Histoire Naturelle, N.S., Zoologie, Paris, 25: 289-481 [465].

**Song, D. X., Zhu M. S. & Chen J.** 1999. The Spiders of China. Hebei Science and Technology Publishing House 1-640 pp. [Salticidae: 505-581].

**Steuer, A.** 1904 Copepoden der Valdivia-Expedition. Zoologischer Anzeiger 27 (19): 593-598.

**Valentine, J. L. & Brock, G. A.** 2003. A New Siphonotretid Brachiopod from the Silurian of Central-Western New South Wales, Australia. Records of the Australian Museum 55: 231-244 [236].

**Walker, F.** 1851. List of the specimens of Homopterous insects in the collection of the British Museum 3: 637-907.

**Young, D. A.** 1968. Taxonomic Study of the Cicadellinae (Homoptera: Cicadellidae) Part 1 Proconiini. Bulletin of the United States National Museum 261: 1-287.