

On the taxonomy of water mites (Acari: Hydrachnidia) described from the Palearctic, part 1: Hydrachnidae, Limnocharidae and Eylaidae

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Abstract

This paper collects taxonomic changes in the families Hydrachnidae, Limnocharidae and Eylaidae which become necessary following revision of material from museum collections and recent field work. The following synonyms are established: Family Hydrachnidae, genus *Hydrachna*: The subgenera *Anohydrachna* Thor, 1916, *Diplohydrachna* Thor, 1916, *Rhabdohydrachna* K. Viets, 1931 are synonyms of *Hydrachna* s.str.; *H. globosa neumani* Lundblad, 1962a, and *H. globosa rotundata* Láska, 1964, are synonyms of *H. globosa* (De Geer, 1778); *H. halberti* Soar, 1908, *H. levis* Williamson, 1913 and *H. levis acuminata* K.O. Viets, 1954 are synonyms of *H. incisa* Halbert, 1903; *H. perpera* Koenike, 1908 is a synonym of *H. processifera* Koenike, 1903; *H. skorikowi integra* K. Viets, 1930 is a synonym of *H. schneideri* Koenike, 1895. Family Eylaidae, genus *Eylais*: *E. bisinuosa nodipons* K. Viets, 1919 is a synonym of *E. bisinuosa* Piersig, 1899; *E. rimoso proceripalpis* K. Viets, 1930 is a synonym of *E. mutila* Koenike, 1897; *E. puripons* K. Viets, 1930, *E. bisinuosa oligotricha* Lundblad, 1936, *E. planipons novata* K. Viets 1942 and *E. canariensis* Lundblad, 1962b are synonyms of *E. planipons* Walter, 1924.

The following species must be regarded *species incertae*: Family Hydrachnidae, genus *Hydrachna*: *H. aspratilis* Koenike, 1897, *H. bivirgulata* Piersig, 1897a, *H. brehmi* Szalay, 1955, *H. denudata* Piersig, 1896, *H. inermis* Piersig, 1895, *H. levigata* Koenike, 1897, *H. papilligera* K. Viets, 1919, *H. piersigi* Koenike, 1897, *H. regulifera* Koenike, 1908, *H. williamsoni* Soar, 1908. Family Eylaidae, *Eylais glubokensis* Udalзов, 1907.

The geographical origin of *Hydrachna extorris* Koenike, 1897, probably collected outside Europe, is unclear.