

Replacement name for *Bembidion* (*Emphanes*) *axillare rivulare* Dejean, 1831

Werner MARGGI and Charles HUBER

Abstract: *Bembidion* (*Emphanes*) *rivulare* Dejean, 1831 as a primary homonym has been previously replaced by *Bembidion* (*Emphanes*) *axillare* Motschulsky, 1844. For lack of an available synonym the subspecific name of the former *B. rivulare rivulare* is replaced by *Bembidion* (*Emphanes*) *axillare occidentale* nom. nov.

The systematic list of ground beetles by LORENZ (1998) points to a large number of homonyms in the genus *Bembidion* Latreille. Seven homonymic names of Palearctic *Bembidion* taxa have already been replaced (MARGGI & HUBER 1999).

GYLLENHAL (1810) described misidentified *Trechus* specimens as *Bembidium rivulare*. This name is still valid as *Epaphius rivularis* (Gyllenhal, 1810). DEJEAN (1831) established the name *rivulare* for a halobiontic Mediterranean *Bembidion* species. Though DEJEAN (1821) stated GYLLENHALS identification error, he established a primary homonym using the name *rivulare*. The homonymy was not recognized, and DEJEANS junior name remained in use (JEANNEL 1941, NETOLITZKY 1942, MAGISTRETTI 1965, FREUDE et al. 1976). According to article 57.2 of the International Code of Zoological Nomenclature, in case of primary homonymy the junior name is permanently invalid and has to be replaced.

The oldest available substitute to replace DEJEANS species name is *axillare* Motschulsky, 1844, established for the Siberian subspecies of *B. rivulare* Dejean. *B. axillare* Motschulsky becomes the nominal taxon of the species group as correctly listed in LORENZ (1998). For the remaining Mediterranean subspecific taxon, which lacks an available and potentially valid synonym, a replacement name is given.

***Bembidion* (*Emphanes*) *axillare occidentale* nom. nov.**

for *Bembidion* (*Emphanes*) *axillare rivulare* Dejean, 1831, formerly *Bembidion* (*Emphanes*) *rivulare rivulare* Dejean, 1831 [described as *Bembidium* (*Leja*) *rivulare* Dejean, 1831], preoccupied by *Epaphius rivularis* (Gyllenhal, 1810) [described as *Bembidium rivulare* Gyllenhal, 1810].

Etymology: The new name refers to the western Palearctic distribution area of the subspecies.

Taxonomy of the former *rivulare* Dejean group:

Bembidion (*Emphanes*) *axillare* Motschulsky, 1844

ssp. *axillare* s. str.

ssp. *occiduum* nom. nov.

rivulare Dejean, 1831 [nec Gyllenhal, 1810]

panicum Normand, 1933 [unavailable]

ssp. *euxinum* Apfelbeck, 1904

ssp. *eupages* Andrewes, 1934

Zusammenfassung

Bembidion (*Emphanes*) *rivulare* Dejean, 1831 ist ein jüngeres primäres Homonym, welches bereits durch *Bembidion* (*Emphanes*) *axillare* Motschulsky, 1844 ersetzt wurde. Das subspezifische Taxon *rivulare* Dejean, 1831 verfügt jedoch über kein gültiges Synonym, weshalb es zu *Bembidion* (*Emphanes*) *axillare* ssp. *occiduum* nom. nov. umbenannt wird.

Literature

DEJEAN, P. F. M. A. (1821): Catalogue des Coléoptères de la collection de M. la Baron Dejean. - 136 S.; Paris.

DEJEAN, P. F. M. A. (1831): Spécies général des Coléoptères de la collection de M. le Comte Dejean, Vol. 5. - 883 S.; Paris.

FREUDE, H., HARDE, K. W. & G. A. LOHSE (1976): Die Käfer Mitteleuropas. Band 2, Adepnaga. - 302 S.; Goecke & Evers, Krefeld.

GYLLENHAL, L. (1810): Insecta Svecica, Classis I. Coleoptera sive Eleuterata. Tom. I. Pars II. - 660 S.; Scaris.

INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE (1999): International Code of Zoological Nomenclature. - 306 S.; Tipografia La Garangola, Padova.

JEANNEL, R. (1941): Coléoptères Carabiques I. - Faune de France 39: 1-571; Paris.

LORENZ, W. (1998): Systematic list of extant ground beetles of the

world. - 503 S.; Tutzing.

MAGISTRETTI, M. (1965): Fauna d'Italia. Coleoptera, Cicindelidae, Carabidae. Catalogo topografico. - 512 S.; Calderini, Bologna.

MARGGI, W. & C. HUBER (1999): On homonymies in *Bembidion* Latreille, 1802 (Coleoptera, Carabidae). - Mitt. Schweiz. ent. Ges. 72: 283-287.

NETOLITZKY, F. (1942): Bestimmungs-Tabellen europäischer Käfer. II. Fam. Carabidae. Subfam. Bembidiinae. 66. Gattung: *Bembidion* LATREILLE. Bestimmungstabellen der *Bembidion*-Arten des paläarktischen Gebietes. - Koleopt. Rundschau 28: 29-124.

Anschriften der Verfasser

Werner A. MARGGI

Rüttiweg 3A

CH-3608 Thun

Dr. Charles HUBER

Naturhistorisches Museum

Bernastrasse 15

CH-3005 Bern