

## PUBLICATIONS DE LA SOCIÉTÉ ROYALE BELGE D'ENTOMOLOGIE

## 1. Bulletin et Annales.

Les *Bulletin et Annales* paraissent à raison d'un volume par an.

Publiés à ce jour :

*Annales*, tomes 1 à 64 (les tomes 21, 22, 24, 25, 26, 57 n'existent plus en stock).

*Bulletin*, tomes 1 à VI.

*Bulletin et Annales*, tomes 65 à 118.

## 2. Mémoires.

Les *Mémoires* de la Société, d'importance variable, paraissent à intervalles irréguliers.

Publiés à ce jour : tomes 1 à XXXII.

## 3. Catalogue des Coléoptères de Belgique.

Paraît irrégulièrement, par fascicules. Sont parus :

Fasc. II. — 1. *Caraboidea Carabidae* (116 pages); fasc. III. — 2. *Caraboidea Halpidae*; 3. *Caraboidea Hygrobiidae*; 4. *Caraboidea Dytiscidae*; 5. *Caraboidea Gyrinidae* (36 pages); fasc. IV. — 94. *Chrysomeloidea Chrysomelidae* (104 pages); fasc. V. — 100. *Scolytidae*;

101. *Platypodidae* (150 pages); fasc. VI. — 1. *Cantharoidea*: 1<sup>re</sup> partie (60 pages).

## 4. Tables générales.

*Table générale des Annales (I-XXX)* par A. LAMEERE (1887).

*Table générale des Bulletin et Annales (XXXI-LXXX), Bulletin (I-VI) et Mémoires (I-XIXV, 1884-1944) et Répertoire des espèces citées dans les comptes rendus des assemblées mensuelles de 1902 à 1944*, par J. COOREMAN (1950).

*Table générale des Bulletin et Annales (LXXXI-CXVI) et Mémoires (XXV-XXXII) et Répertoire des espèces citées dans les comptes rendus des assemblées mensuelles de 1945 à 1980*, par G. COULON (1981).

Le prix des publications est fixé à 2 francs la page (5 francs pour les volumes devenus rares).

Les membres de la Société désirant obtenir les publications antérieures à l'année de leur adhésion, jouissent d'une réduction d'un tiers de la valeur.

## Carabid beetles new for the Belgian Fauna\*

by Konjev DESENDER\*\*

## Summary

As the result from a revision of all available collections and intensive sampling during the last decade, 9 carabid species have to be added to the Belgian fauna. Other species, not mentioned by DERENNE (1957), are also treated.

DERENNE (1957) made the most recent revision on the occurrence of carabid beetles (Coleoptera, Carabidae) in Belgium.

In the framework of a detailed study on the distribution of Belgian carabid beetles we recently gathered as much data on these beetles as possible and revised all available specimens from collections. This information was completed by additional data resulting from our many sampling campaigns (Lab. Oecologie der Dieren, Zoögeografie en Natuurbehoud, State University Ghent) in different parts of Belgium (1973-1984).

Especially after checking some of the larger collections from different institutes, it became evident that some species had to be added to the Belgian fauna.

In this paper we also gathered data on species not mentioned by DERENNE (1957) but which were mentioned earlier and could be confirmed by us, as well as on species which were recently taxonomically redefined or divided into two separate species.

Doubtful species which need confirmation or species which have to be omitted from DERENNE (1957) will be treated in detail in a totally revised checklist (DESENDER, in prep.).

\* Deposited for publication : 5th September 1984.

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## PUBLICATIONS VAN DE KONINKLIJKE BELGISCHE VERENIGING VOOR ENTOMOLOGIE

## 1. Bulletin en Annalen.

Het *Bulletin en Annalen* verschijnen jaarlijks.

Reeds verschenen :

*Annalen*, boekdelen 1 tot 64 (de delen 21, 22, 24, 25, 26 en 57 niet meer in voorraad).

*Bulletin*, boekdelen I tot VI.

*Bulletin en Annalen*, boekdelen 65 tot 118.

## 2. Mémoires.

De *Mémoires* van de Vereniging, van veranderlijke omvang, verschijnen onregelmatig.

Reeds verschenen : boekdelen I tot XXXII.

## 3. Catalogus van de Kevers van België.

Verschiijnt onregelmatig, in afleveringen. Zijn verschenen :

AR. II. — 1. *Caraboidea Carabidae* (116 blz.); afl. III. — 2. *Caraboidea Halpidae*; 3. *Caraboidea Hygrobiidae*; 4. *Caraboidea Dytiscidae*; 5. *Caraboidea Gyrinidae* (36 blz.); afl. IV. — 94. *Chrysomeloidea Chrysomelidae* (104 blz.); afl. V. — 100. *Scolytidae*; 101. *Platypodidae*;

(150 blz.); afl. VI. — 1. *Cantharoidea*: 1<sup>ste</sup> deel (60 blz.).

## 4. Algemene inhoudsopgaven.

*Table générale des Annales (I-XXX)* door A. LAMEERE (1887).

*Table générale des Bulletin et Annales (XXXI-LXXX), Bulletin (I-VI) en Mémoires (I-XIXV, 1884-1944) en Répertoire des espèces, inhoudsopgave van de soorten geciteerd in de verslagen van de maandelijkse vergaderingen van 1902 tot 1944*, door J. COOREMAN (1950).

*Table générale des Bulletin et Annales (LXXXI-CXVI) en Mémoires (XXV-XXXII) en Répertoire des espèces, inhoudsopgave van de soorten geciteerd in de verslagen van de maandelijkse vergaderingen van 1945 tot 1980*, door G. COULON (1981).

De prijs van de publicaties werd vastgesteld op 2 frank per blad (5 frank voor de zeldzame delen).

De leden van de Vereniging die publicaties wensen te verkrijgen die voortgaan aan hun toetreden, genieten van een vermindering van een derde van de waarde.

### Material

All data (unless mentioned) are based on specimens checked by the author. Difficult species were always checked for a second time by T. VAN GIJZEN (Instituut voor Oecologisch Onderzoek, Heteren, The Netherlands) or, in the case of *Calathus erythroderus* by B. AUKEMA (Biologisch Station, Wijster, The Netherlands). The nomenclature is after FREUDE et al. (1976).

Species are grouped as follows :

a) species new for the Belgian fauna (for the first time mentioned since DERENNE (1957) ;

b) species new for the Belgian fauna (but previously mentioned as subspecies or variation or previously not distinguished from a sibling species) ;

c) species not mentioned by DERENNE (1957) (but which were already mentioned earlier and could be confirmed).

Most of the following species are of course rather uncommon in Belgium. Therefore all data are given here.

For more or less common species the number of UTM squares (10 km × 10 km), where these species were found, are added. These data result from more than 100.000 finds on all carabid beetles from our country.

### Results

1. *Acupalpus transversalis* SCHAUM, 1862 Belg. n. sp.  
Rare species, especially occurring in Southern Europe. Has been found in different sites in France but seems to have a subterranean way of life resulting in a yet not well known distribution (JEANNEL, 1942).  
Forest, 01.III.1919 (1 ♀, leg. Koller)  
*Bembidion inustum* DUVAL, 1857 Belg. n. sp.  
Very rare species, occurring in Western Europe. Known from isolated sites in the whole of France (JEANNEL, 1941) and living in dark microhabitats.  
Cul des Sarts, 20.V.1977 (1 ♂ / 1 ♀)

*Bradycellus csikii* LACZO, 1912 Belg. n. sp.

The distribution of this species is not very well known due to identification difficulties. Seems to prefer sandy soil.

De Panne, 05.II.1975 (2 ind.) ; De Haan, 19.XI.1978 (1 ind.). Other data on this species need confirmation.

*Cicindela silvicola* DEJEAN, 1822 Belg. n. sp.

Submontane and montane distribution in Europe (FREUDE et al., 1976).

Virton, 25.V.1981 (1 ♂, leg. Gosselin, coll. Coulon).

*Dyschirius extensus* PUTZEYS, 1846 Belg. n. sp.

Very local and rare in Europe on sandy coasts and salt marshes (LINDROTH, 1974).

Oostende, 18?? (2 ind., leg. Mathieu).

*Trechus rivularis* (GYLLENHAL, 1810) (see DESENDER, 1983).

2. *Amara kulti* FASSATI, 1947 Belg. n. sp.

Especially occurring on dry sandy heaths, especially in Southern and Western Europe (FREUDE et al., 1976). Formerly not separated from *Amara fulvipes* SERVILLE 1821. Kalmthout, 18??, 26.III.1937 (coll. Boosten), Lillo, 18??, Postel, 1850, St. Servais, VI. 1908 ; Ukkel, 12.VII.1926, Herentals, 06.VI. 1938 ; Leopoldsburg, 1945 ; Zoersel, 12.VI.1950 ; Kerkhoven, 30.VI.1953 ; Olen, 9.VI.1970 (coll. Bosmans).

*Badister anomalus* PERRIS, 1866 Belg. n. sp.

Occurs especially in fenland or very wet grassland margins of fresh water in Europe. Older data need revision because the species was formerly not separated from *Badister peltatus* PANZER 1797.

Destelbergen, 14.VII.1940 (leg. Verbeke) ; Dikkebusvijver, 18.IX.1940 (leg. Verbeke) ; St. Amandsberg, 13.IV.1944 (leg. Verbeke) ; 18.IV.1941 (leg. Goetghebuer) ; Bellem, 16.VIII. 1943 (leg. Verbeke) ; Assenede, 23.IV.1943 (leg. Verbeke) ; Vilvoorde, 23.IV.1943 (leg. de Ruelle), 23.X.1944 (leg. Segers) ; Eppeghem, 19.V.1943 (leg. Leleup) ; Heusden, 19.III.1944 (leg. Verbeke) ; Lixhe (Mt. St. Pierre), 29.VIII. 1947 ; Keerbergen, 10.V.1950 ; St. Ghislain, 01.IV.1952 (leg. Debatisse) ; Chertal, 07.IV.1952 ; Westmalle, 31.VI.1959 (leg. Segers) ; Woumen, 21.I.1978, 10.VI.1979 ; Damme, VII.1983 ; Kortrijk, 22.IV.1984 ; Lokeren, V. 1984.

*Badister lacertosus* STURM, 1815.

Formerly treated as a variation of *Badister bipustulatus* (FABRICIUS, 1792). First recorded for Belgium by VERLINDEN & VERLINDEN (1978). Distribution in Europe not well known. Common in our country, known from 72 UTM squares.

*Bembidion properans* STEPHENS, 1829 Belg. n. sp.

Formerly treated as a variation of *Bembidion lampros* (HERBST, 1784) (see also DESENDER & CRAPPÉ, 1983). Common all over Europe, especially occurring in different grassland types (LINDROTH, 1974).

Very common in Belgium, known from 156 UTM squares.

*Calathus erythroderus* (GEMMINGER et HAROLD, 1868) Belg. n. sp.

Formerly treated as subspecies of *Calathus mollis* (MARSHAM, 1802). Recently proven to be a separate species (AUKEMA, pers. comm.). Occurs especially on dry and sandy soil with sparse vegetation, but has not yet been discovered in our coastal dunes. In the northern parts of The Netherlands the species is common in coastal dunes (AUKEMA, pers. comm.). Additional specimens from the sibling species *Calathus melanocephalus* (LINNAEUS, 1758) will be checked in the future. La Cambre, 1896, Jamoigne, VIII.1952; Beernem, 13.VIII.1977; Veldegem, 19.III.1983; Wevelgem, 22.IX.1984.

### 3. *Agonum nigrum* DEJEAN, 1828

Formerly confused with *Agonum atratum* (DUFTSCHMID, 1812) or mentioned as *Agonum dabli* PREUDHOMME DE BORRE, 1879, but not mentioned by DERENNE (1957). Rare species from marshy sites among sedges and grasses (LINDROTH, 1974), from 32 UTM squares in Belgium.

*Anisodactylus signatus* (PANZER, 1797)

Ecology not well known, distributed all over Europe (TURIN et al., 1977).

Braine L'Alleud, 06.V.1896; Hove, 18?? (Wesmael); Embourg, 1930; Ile Monsin, 14.III.1935; Spa, 1945; Holsbeek, 22.IV.1977; Watervliet, 05.X.1978.

*Bembidion eppiphium* (MARSHAM, 1802)

On the seashore, in salt marshes in Europe and Northern Africa (LINDROTH, 1974, FREUDE et al., 1976).

Oostende, 24.VIII.1840, 1928; Kalmthout, 12.VI.1868; Zelzaete, 1869 (leg. Delafontaine, not checked by the author); Lillo, 23.V.1886; Heist, 1870, 1922; Nieuwpoort, IV.1879, 1934 (leg. Frennet); Knoke - 't Zoute (Zwin), 09.VII.1873, 1913, 1947, 20.X.1950 (leg. Jolivet); St.-Jan-in-Eremo, 20.VI.1948.

*Tachys scutellaris* STEPHENS, 1829

In marshes, apparently dependent upon saline soil (LINDROTH, 1974). Coastal distribution from Denmark, Southern England till the entire mediterranean region (TURIN et al., 1977). De Panne, VI.1925; Lillo, 1955 (leg. Derenne); Knokke (Zwin), 05.V.1969 (leg. Decelle, not checked by the author), 06.VIII.1969 (leg. Boosten).

On the whole 9 species have to be added to the Belgian fauna, while 6 other species were not yet included in the catalogue of DERENNE (1957).

A totally revised checklist on the Belgian carabid fauna is in preparation. This checklist will include detailed information also on doubtful species from earlier literature which need confirmation or species which should be omitted from the Belgian fauna.

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Synonymies et distribution géographique  
de Bruchidae  
(Coleoptera) asiatiques\*

par J.E. DECELLE\*\*

L'étude de types de Bruchidae décrits antérieurement permet de placer en synonymie quelques espèces asiatiques plus récemment publiées. Leur distribution géographique est précisée par l'examen de matériaux encore inédits.

**Horridobruchus quadridentatus** (PIC) NOV. COMB.

*Pseudopachymerus quadridentatus* Pic, 1923, *Mélanges exotico-entom.*, 40, p. 15 ; type de Chang-Hai, dans la collection Pic au Muséum national d'Histoire naturelle de Paris.

*Horridobruchus corniger* Borowiec, 1984, *Polskie Pismo entom.*, 54, p. 116, holotype ♂ de Hongkong, à l'Institut de Zoologie de l'Académie des Sciences de Pologne à Varsovie. SYN. NOV.

*Distribution géographique :*

Cette espèce semble confinée au S-E de la Chine. Au British Museum, il en existe des spécimens étiquetés Shangai et d'autres provenant des îles Chusan ou Shu Shan (J.J. Walker leg.), au S de l'embouchure du Yangtze. A l'Universitetets Zoologisks Museum de Copenhague, se trouve un exemplaire provenant de Cheking.

**Bruchidius walkeri** (PIC)

*Bruchus figuratus* Walker., 1859, *Ann. Mag. nat. Hist.*, (3) 3, p. 261 ; holotype ♀ de Ceylan au British Museum (nee *figuratus* Gyll., 1839).

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\*\* Musée royal de l'Afrique Centrale, B-1980 Tervuren.