

Contribution to knowledge of Dermestidae (Coleoptera) from the Rey's collection

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Abstract. The following five species described by Mulsant et Rey (1868) is firstly illustrated and their lectotypes are designated: *Attagenus bivittatus*, *A. distinctus*, *A. fulvipes*, *A. wachanrui* and *Hadrotoma (Elania) depressa*. A new synonym is proposed: *A. distinctus* Mulsant et Rey 1868 stat. restit. (= *Attagenus addendus* J. Sahlberg, 1903 syn. nov.).

INTRODUCTION

The work presented here was written at a request of the deceased co-author Mr. Vladimír Kalík to deal with the following material. Mulsant & Rey described a number of new dermestid species (Coleoptera: Dermestidae) in 1868. The Mulsant's collection was destroyed. Some types, especially syntypes, are deposited in the Musée d'Histoire naturelle de Lyon, France (MHNL) in the Rey's collection. The species discussed below belonged to the genera *Attagenus* and *Globicornis* studied by the Czech entomologist Vladimír Kalík in 1989, but the results of the study and designations of lectotypes designations remained unpublished.

RESULTS

***Attagenus bivittatus* Mulsant et Rey, 1868 and *Attagenus quadrimaculatus* Kraatz, 1858 (Figs 1-4)**

Attagenus bivittatus Mulsant et Rey, 1868: 97.

Type material. *Attagenus bivittatus*: Lectotype (♂) (here designated): „Nauplie [Greece, 37°34'N, 22°48'E]“ (MHNL). Paralectotype: (1 ♀): „Nauplie, Kswetter“ / „bivittatus M.“ (MHNL).

Remarks. The habitus of male as in (Fig. 1). Antennae of male lectotype is missing (H. Labrique pers. comm.). Aedeagus as in (Fig. 2). Antenna of female (Fig. 3). All the morphological characters are identical with *Attagenus quadrimaculatus* Kraatz, 1858. The synonymy of *Attagenus quadrimaculatus* Kraatz, 1858 was mentioned by Mroczkowski (1968) and Háva (2003, 2007). The specimens are equipped with all the original Kalík's labels from 1989 (Figs 4a-4c).

***Attagenus wachanrui* Mulsant & Rey, 1868 and *Attagenus bifasciatus* (Olivier, 1790)**
(Figs 5-6)

Attagenus wachanrui Mulsant & Rey, 1868: 91.

Type material. *Attagenus wachanrui*: Lectotype (♀) (here designated): „Tarsous, Wachanru“ / „wachanrui M.“ (MHNL).

Remarks. The habitus of female as in (Fig. 5). Antennae of female lectotype is missing (H. Labrique pers. comm.). All the morphological characters is identical with *A. bifasciatus* (Olivier, 1790). Synonymy of *A. bifasciatus* (Olivier, 1790) mentioned by Reitter (1906), Mroczkowski (1968), Háva (2003, 2007). The specimens are equipped with all the original Kalík's labels from 1989 (Figs 6a-6b).

***Attagenus fulvipes* Mulsant & Rey, 1868 and *Attagenus unicolor unicolor* (Brahm, 1790)**
(Figs 7-8)

Attagenus fulvipes Mulsant & Rey, 1868: 71.

Type material. *Attagenus fulvipes*: Lectotype (♂) (here designated): „L. [Lyon] Cluny.“ (MHNL). Paralectotypes (1 ♂, 2 ♀♀): the same labels as lectotype, (MHNL).

Remarks. The habitus of male as in (Fig. 7). All the morphological characters are identical with *Attagenus unicolor unicolor* (Brahm, 1790). The synonymy of *Attagenus unicolor unicolor* (Brahm, 1790) was mentioned by Mroczkowski (1968) and Háva (2003, 2007). The specimens are equipped with all the original Kalík's labels from 1989 (Figs 8a-8c).

***Attagenus distinctus* Mulsant & Rey, 1868 stat. restit.**
(Figs 9-10)

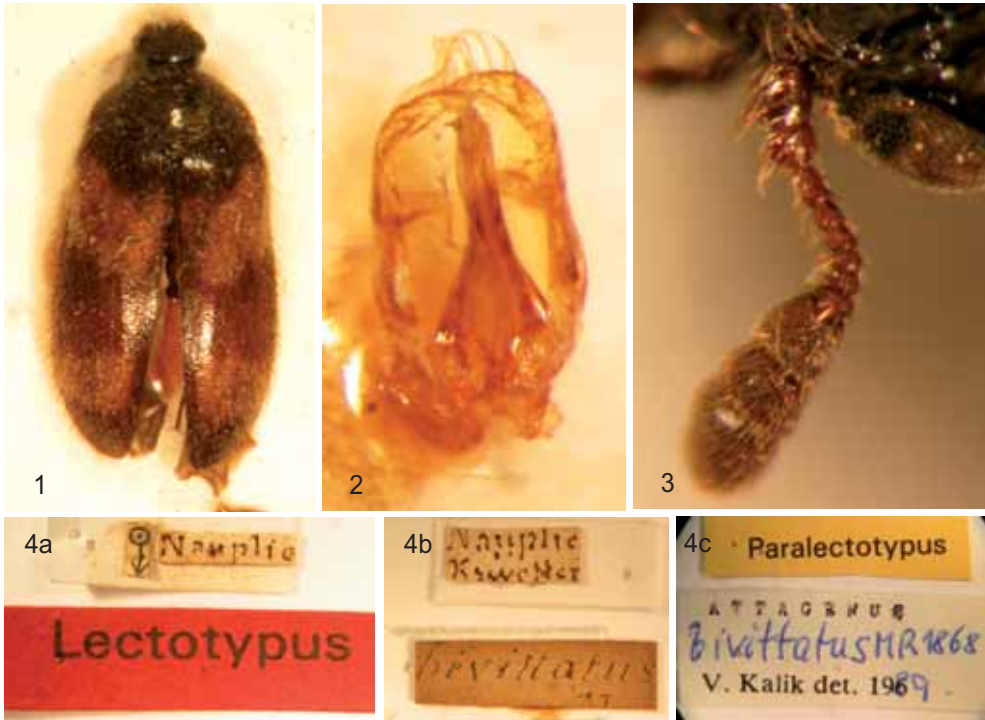
Attagenus distinctus Mulsant & Rey, 1868: 85 (Mroczkowski 1968, Háva 2003, 2007 as synonym of *A. fallax*).

Attagenus fallax var. *addendus* J. Sahlberg, 1903: 34 **syn. nov.**

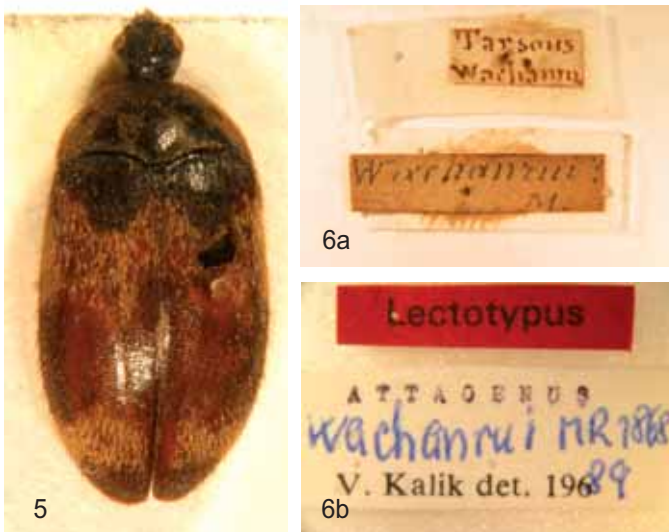
Attagenus addendus: Háva, 2007:57, 307 (as valid species)

Type material. *Attagenus distinctus*: Lectotype (here designated) (♀): „Alger, Gauillot“ (MHNL).

Remarks. The habitus as in (Fig. 9). Antennae of female lectotype is missing (H. Labrique pers. comm.). Dorsal surfaces covered by white-yellowish pubescence. The specific name mentioned by Mroczkowski (1968) and Háva (2003, 2007) as a synonym of *Attagenus fallax* Gené, 1839; however, *A. fallax* differs by its black dorsal pubescence and shape of antennae and male genitalia. All the morphological characters are identical with *Attagenus addendus* J. Sahlberg, 1903, but *A. addendus* is a new junior synonym of *A. distinctus*. The specimen is equipped with all the original Kalík's labels from 1989 (Figs 10a-10b).



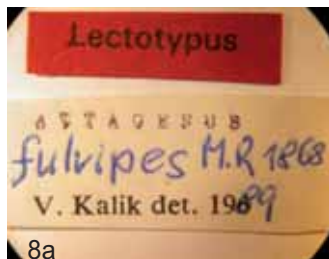
Figs 1-4. *Attagenus bivittatus* Mulsant et Rey, 1868: 1- habitus of lectotype; 2- antenna of female (paralectotype); 3- aedeagus; 4a-c- original labels.



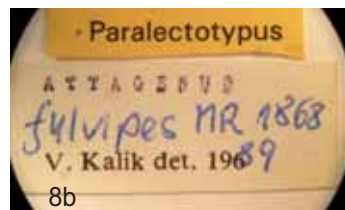
Figs 5-6. *Attagenus wachanrui* Mulsant et Rey, 1868: 5- habitus of lectotype; 6a-6b- original labels.



7



8a



8b

Figs 7-8. *Attagenus fulvipes* Mulsant et Rey, 1868: 7- habitus of lectotype; 8a-8c- original labels.

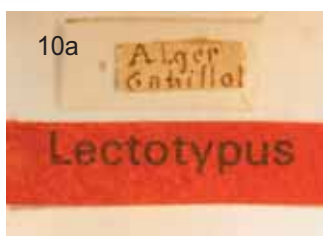


8c

Figs 9-10. *Attagenus distinctus* Mulsant et Rey, 1868: 9- habitus of lectotype; 10a-10b- original labels



9



10a



10b



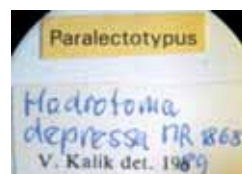
12



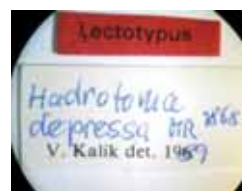
11



13



14a



14b

Figs. 11-14. *Globicornis (Elania) depressa* (Mulsant et Rey, 1868): 11- dorsal view, lectotype; 12- head and antennae, lectotype; 13- dorsal view, paralectotype; 14a-b- original Kalik's labels.

***Globicornis (Elania) depressa* (Mulsant et Rey, 1868)**
(Figs 11-14)

Hadrotoma (Elania) depressa Mulsant et Rey, 1868: 111.

Globicornis depressa: Portevin, 1931: 276.

Globicornis (Elania) depressa: Mroczkowski, 1968: 113.

Globicornis (Hadrotoma) depressa: Háva, 2003: 110.

Globicornis (Elania) depressa: Háva & Herrmann, 2010: 77.

Type material. Lectotype (♀) (here designated): „Hyères“ (Provence, Var, France) (MHNL). Paralectotype (1 ♀): the same data as lectotype (MHNL).

Additional material studied: „Spain, Mallorca, Parc natural de s’Albufera, ses Puntes“ / „, 13.05.2008, B. Levey lgt.“, NMW.Z.2008.054“ / „Hadrotoma sp. ? B. Levey det. 2008“, 1 ♂, J. Háva det., (author’s collection).

Remarks. This is a very rare species, formerly known only from the two type specimens; the mentioned specimen from Mallorca was beaten from dying branches of a *Pinus* species in a small patch of trees (Háva & Herrmann 2010).

The type specimens is firstly illustrated. The body shape in dorsal view as in (Fig. 11), head and female antennae as in (Fig. 12).

The species is similar to *Globicornis (Elania) vaulogeri* Pic, 1900 (known from Morocco and Tunisia) but differs from it by the following characters:

Globicornis (Elania) depressa (Mulsant et Rey, 1868): body shape longer, parallel, integument brown, setation on dorsal surfaces long, antennae light brown, pronotum in anterior part narrow.

Globicornis (Elania) vaulogeri Pic, 1900: body shape shorter, parallel, integument black, setation on dorsal surfaces short, decumbent, antennae dark brown, pronotum in anterior part broad.

From the next similar species, *Globicornis* (s. str.) *nigripes* (Fabricius, 1792), it differs by the structure and brown colour of antennae, brown colour, more parallel body shape and setation on dorsal surfaces (in *nigripes* antennae black and terminal segment circular, body shape not parallel, black).

The specimens are equipped with all the original Kalík’s labels from 1989 (Figs 14a-14b).

Distribution. Species known from France: Provence, from Spain: Mallorca Isl. recorded by Háva & Herrmann (2010).

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