

## ***Autalia villosa*, a new species from Korea, and an annotated catalog of the genus *Autalia* Leach (Coleoptera: Staphylinidae: Aleocharinae)**

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### **Abstract**

A new species, *Autalia villosa* Park & Ahn (type locality: Mt. Seoraksan, Gangwon Prov., Korea), is described from Korea. An illustration of the habitus and line drawings of diagnostic characters are presented. An annotated world catalog of the genus *Autalia* Leach is provided.

**Key words:** Coleoptera, Staphylinidae, Aleocharinae, *Autalia*, new species, Korea, World catalog

### **Introduction**

The genus *Autalia* Leach, 1819 currently contains 34 species; ten from the Afrotropical region (Klimaszewski 1992), five from the Nearctic region (Hoebeke 1988), seven from the Neotropical region (Hoebeke & Ashe 1994), ten from the Palaearctic region (Assing 1997) and two from the Oriental region (Assing 1999; Pace 2002). A complete taxonomic history is presented in the catalog below in this paper. Most species of *Autalia* are found in humus, dung, litter and fungi, some are known to be myrmecophilous (Assing 1997; Klimaszewski 1992). Members of the distinctive genus *Autalia* are easily recognized among aleocharine genera by the combination of following characters: head with neck; long and narrow ligula divided into two divergent lobes apically; anterior margin of mentum deeply and narrowly emarginated (Fig. 3); pronotum usually with longitudinal foveae basally; mesosternum with complete carina; tarsal formula 4-4-5; elytra with 2 basal foveae; abdominal tergites III–V transversely impressed at base, with strong median carina and lateral carinae (Hoebeke & Ashe 1994; Ashe 2001).

In this paper we describe one new species with illustrations of diagnostic characters and provide an annotated taxonomic catalog of the species of *Autalia*. Microscopic preparations were performed using the techniques described by Hanley and Ashe (2003). The terminology of the chaetotaxy and microstructures follows Sawada (1972) and Ashe

(1984). Holotype and one paratype are deposited in the Chungnam National University Insect Collection, Daejeon, Korea (CNUIC).

***Autalia villosa* Park & Ahn, new species**

(Figs. 1–9)

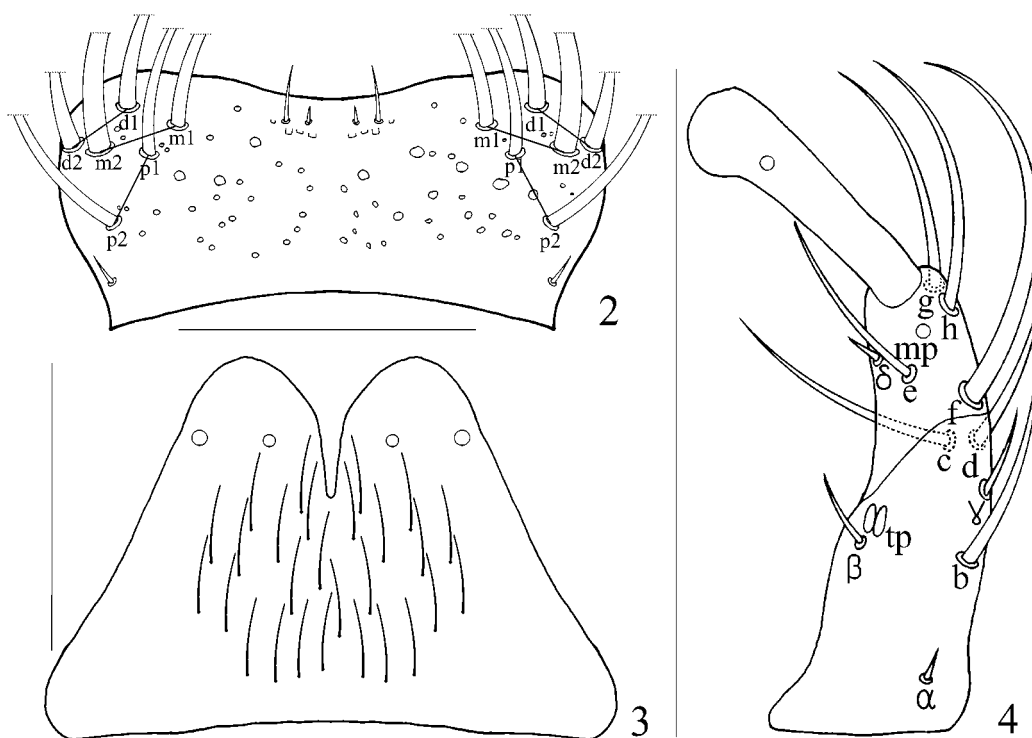
**Type series.** Holotype, labeled as follows: Korea: Gangwon Prov., Sokcho-city, Mt. Seoraksan, Osaekyaksu, 31 VII–15 IX 2002, S. J. Park, C. W. Shin, J. S. Park, *ex* FIT; Holotype, *Autalia villosa* Park and Ahn, Desig. J.-S. Park, 2004. Deposited in the Chungnam National University Insect Collection (CNUIC, Daejeon), Korea. Paratype, 1: same data as type (on slide).



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**FIGURE 1.** *Autalia villosa* Park & Ahn, sp. n. Holotype, body length 3.2 mm.

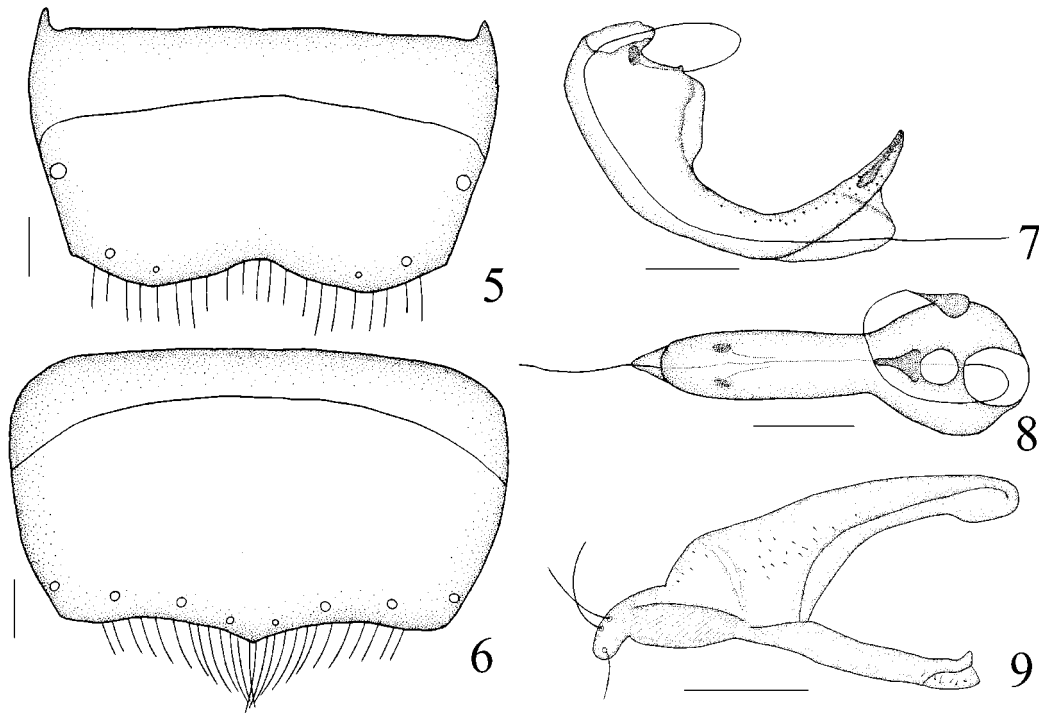
**Diagnosis.** *Autalia villosa* Park & Ahn, sp. n. may be distinguished from *A. inopinata* and *A. puncticollis* by having a larger body size, 4 pairs of setae on male sternite VII (Fig. 6) and a longer flagellum of median lobe (Figs. 7–8). And this new species differs from *A. impressa* and *A. longicornis* in having 4 pairs of setae on male sternite VII (Fig. 6) and a uncoiled flagellum of median lobe (Figs. 7–8).



**FIGURES 24.** *Autalia villosa* Park & Ahn, sp. n. 2, labrum, dorsal aspect; 3, mentum, ventral aspect; 4, labial palpi, ventral aspect. Scale bars = 0.1 mm (chaetotaxy nomenclature as in Sawada 1972).

**Description.** Length 3.2 mm. Body parallel-sided, reddish brown, antennae and legs brown, long and dense hairs present. Head as wide as pronotum, basal angles distinctly rounded; neck distinctly narrow, about 1/3 as wide as head; eyes large and prominent, ratio of eye length to tempora about 1.28. Antennae long, antennomeres 4–7 longer than wide, 8–10 subquadrate. *Mouthparts.* Mandibles acute apically. Labrum (Fig. 2) transverse, weakly emarginated apically, 15–17 setae and several pores present. Maxillary palpomere 1 smallest, 3 largest, 4 subulate and pubescent. Prementum with basal pores, medial setae adjacent to each other, pseudopores in median area absent, in lateral area setal pores, 7–8 real pores and pseudopores present Labial palpi (Fig. 4) with 11 setae (setae b–h,  $\alpha$ – $\delta$ ; see

Sawada, 1972) present, seta a absent, distal pore, median pore, twin pores present. Ligula thick and long, apically divided into two divergent lobes. Mentum (Fig. 3) deeply emarginated apically, many setae present. *Thorax* Pronotum about 1.04 times as long as wide; convex, narrowed apically, broadest in apical third, densely punctured; apparent U-shaped fovea and basal foveae present. *Elytra* Elongate, weakly convex and pubescent; foveae present basally, outer apical angle rounded. *Abdomen*. Abdominal tergites III–V transversely impressed and microsculpture present, tergites III–IV with one complete median carina and incomplete lateral carinae present, tergite V with three incomplete carinae present. Abdominal sternites III–IV with wavelike carinae, sternites III–VII with scattered micropores present basally. Male tergite VIII (Fig. 5) with 2 pairs of setae present posteriorly; lateral one bigger than basal one. Male sternite VIII (Fig. 6) with 4 pairs of setae present posteriorly, basal one smaller than others; posterior margin prolonged. *Aedeagus*. Median lobe as in Figs. 7 and 8. Paramere as in Fig. 9. Female unknown.



**FIGURES 59.** *Autalia villosa* Park & Ahn, sp. n. 5, male tergite , dorsal aspect; 6, male sternite , ventral aspect; 7, median lobe, lateral aspect; 8, median lobe, dorsal aspect; 9, paramere, lateral aspect. Scale bars = 0.1 mm.

**Distribution.** Korea.

**Etymology.** The specific name *villosa* refers to hairy body.

**Key to the species of *Autalia* in the Palaearctic region**

(modified from Assing 2003: 49)

- 9 Pronotum with long median furrow, posteriorly reaching basal transverse furrow; impressions of anterior abdominal tergites with pronounced carinae ..... 9
- Pronotum with shorter median furrow confined to anterior half of midline, posteriorly not reaching basal transverse furrow; impressions of anterior abdominal tergites with less pronounced carinae. Genitalia different ..... 10
- 9 Smaller species, less than 3.0 mm; antennomeres 4–10 transverse; aedeagus as illustrated by Assing (1997: Fig. 5a). Holarctic species; in the eastern Palaearctic recorded from China, the Russian Far East, and Japan ..... *A. rivularis* (Gravenhorst)
- Larger species, more than 3.0 mm; antennomeres 4–7 longer than wide, 8–10 subquadrate; aedeagus as in Figs. 7–9. Korea ..... *A. villosa* Park & Ahn, **sp. n.**

**Annotated Taxonomic Catalog of *Autalia* species*****Autalia* Leach, 1819**

Type species: *Autalia impressa* (Olivier, 1795), originally described as *Staphylinus*

Leach, 1819: 177 (proposed the generic name *Autalia*). Stephens, 1832: 101 (generic diagnosis). Erichson, 1839: 46 (generic description, catalog entry). Kraatz, 1857: 3 (generic diagnosis). Thomson, 1859: 30 (generic diagnosis). Thomson, 1860: 261 (generic diagnosis). Fowler, 1888: 150 (generic description, European species description). Ganglbauer, 1895: 260 (generic description, European species description). Fenyés, 1920: 107 (catalog entry, generic description). Bernhauer & Scheerpeltz, 1926: 568 (catalog entry). Scheerpeltz, 1947: 104 (key to Palaearctic species of *Autalia*). Cameron, 1950: 48 (additional Afrotropical species description). Blackwelder, 1952: 71 (nomenclatorial history). Hansen, 1954: 85 (generic description, species description from Denmark). Tottenham, 1957: 118 (key for identification of Afrotropical species). Palm, 1968: 66 (generic description, catalog entry). Lohse, 1974: 63 (generic description, catalog entry). Seevers, 1978: 169 (generic description as member of the Autalini). Hoebeke, 1988: 87 (generic description, catalog entry). Klimaszewski, 1992: 514 (overview of Afrotropical species, habitat mention). Dauphin, 1993: 29 (overview of West Palaearctic species). Hoebeke & Ashe, 1994: 191 (overview of Neotropical species). Smolenski, 1994: 269 (overview of Polish species). Assing, 1997: 69 (overview of Palaearctic species). Ashe, 2001: 272 (key for identification of North American aleocharine genera). Assing, 2003: 45 (key for identification of Palaearctic species). Smetana, 2004: 420 (catalog entry).

***Autalia africana* Cameron, 1950**

*Autalia africana* Cameron, 1950: 48 (original description). Tottenham, 1957: 118 (key for identification of Afrotropical species). Pace, 1986: 90. Klimaszewski, 1992: 521 (diagnosis, key for identification of Afrotropical species, distribution, illustrated).

Distribution: Zaire.

***Autalia bierigi* Hoebeke & Ashe, 1994**

*Autalia bierigi* Hoebeke & Ashe, 1994: 198 (original description, key to Neotropical species of *Autalia*, illustrated).

Distribution: Costa Rica.

***Autalia breviflagellata* Assing, 2001**

*Autalia breviflagellata* Assing, 2001: 912 (original description, comparison with *A. smetanai*, illustrated). Smetana, 2004: 420 (catalog entry).

Distribution: Nepal.

***Autalia capensis* Tottenham, 1957**

*Autalia capensis* Tottenham, 1957: 118 (original description, key for identification of Afrotropical species). Klimaszewski, 1992: 520 (diagnosis, key for identification of Afrotropical species, distribution, bionomics, illustrated).

Distribution: South Africa.

***Autalia chapada* Hoebeke & Ashe, 1994**

*Autalia chapada* Hoebeke & Ashe, 1994: 204 (original description, key to Neotropical species of *Autalia*, illustrated).

Distribution: Brazil.

***Autalia elegans* Casey, 1886**

*Autalia elegans* Casey, 1886: 204 (original description). Fenyés, 1920: 108 (catalog entry). Bernhauer & Scheerpeltz, 1926: 569 (catalog entry). Hoebeke, 1988: 92 (key to Neotropical and Nearctic *Autalia*).

*Autalia copiosa* Casey, 1911: 180 (original description). Fenyés, 1920: 108 (synonym of *A. elegans*). Bernhauer & Scheerpeltz, 1926: 569 (synonym of *A. elegans*).

Distribution: California (USA).

***Autalia ethiopia* Klimaszewski, 1992**

*Autalia ethiopia* Klimaszewski, 1992: 524 (original description based on female, key for identification of Afrotropical species, bionomics, illustrated).

Distribution: Ethiopia.

***Autalia formosa* Assing, 1999**

*Autalia formosa* Assing, 1999: 164 (original description based on male, illustrated). Assing, 2001: 917 (female description, illustrated). Smetana, 2004: 420 (catalog entry).

Distribution: Taiwan.

***Autalia frontalis* Pace, 1986**

*Autalia frontalis* Pace, 1986b: 90 (original description based on female, illustrated). Klimaszewski, 1992: 518 (diagnosis, key for identification of Afrotropical species, distribution, illustrated).

Distribution: Kenya.

***Autalia gomyi* Pace, 1985**

*Autalia gomyi* Pace, 1985: 624 (original description based on female, illustrated).

Distribution: Grand Comore.

***Autalia imbecilla* Assing, 2003**

*Autalia imbecilla* Assing, 2003: 47 (original description, key for identification of Palaearctic species, illustrated).

Distribution: China.

***Autalia impressa* (Olivier, 1795)**

*Staphylinus impressus* Olivier, 1795: 23 (original description). Leach, 1819: 177 (considered as *Autalia*). Mannerheim, 1830: 501. Stephens, 1832: 101 (diagnosis). Westwood, 1838: 20. Erichson, 1839: 47 (description). Thomson, 1860: 261 (diagnosis). Fowler, 1888: 151 (diagnosis, key for identification of *Autalia* species from Europe). Ganglbauer, 1895: 262 (diagnosis). Reitter, 1909: 77 (key to *Autalia* species from Germany, illustrated). Fenyés, 1920: 108 (catalog entry). Bernhauer & Scheerpeltz, 1926: 569 (catalog entry). Scheerpeltz, 1947: 104 (comparison with *A. longicornis*, key to Palaearctic species of *Autalia*, illustrated). Tottenham, 1949: 387. Jeannel & Jarrige, 1949: 276. Hansen, 1954: 87 (description, key to *Autalia* species from Denmark, illustrated). Fagel, 1957: 2 (comparison with *A. longicornis*, illustrated). Palm, 1968: 68 (diagnosis, key for identification of *Autalia* species from Europe). Lohse, 1974: 63 (diagnosis, key for identification of *Autalia* species from Europe). Owen, 1984: 223 (comparison with *A. longicornis*, illustrated). Pace, 1991: 108. Dauphin, 1993: 31 (key to European *Autalia*, nomenclatorial history, illustrated). Smolenski, 1994: 270 (illustrated, key to known *Autalia* species from Poland). Assing, 1997: 73 (key for identification of *Autalia* species from the Palaearctic region, nomenclatorial history, illustrated). Smetana, 2004: 420 (catalog entry). *Autalia plicata* Stephens, 1832: 101 (original description). Ganglbauer, 1895: 262 (synonym of *A. impressa*). Fenyés, 1920: 108 (synonym of *A. impressa*). Bernhauer & Scheerpeltz, 1926: 569

- (synonym of *A. impressa*). Dauphin, 1993: 31 (synonym of *A. impressa*). Assing, 1997: 73 (synonym of *A. impressa*).
- Autalia ruficornis* Stephens, 1832: 102 (original description). Ganglbauer, 1895: 262 (synonym of *A. impressa*). Fenyés, 1920: 108 (synonym of *A. impressa*). Bernhauer & Scheerpeltz, 1926: 569 (synonym of *A. impressa*). Dauphin, 1993: 31 (synonym of *A. impressa*). Assing, 1997: 73 (synonym of *A. impressa*).
- Autalia conura* Jekel, 1873: 29 (original description). Fenyés, 1920: 108 (synonym of *A. impressa*). Bernhauer & Scheerpeltz, 1926: 569 (synonym of *A. impressa*).
- Autalia longula* Jekel, 1873: 31 (original description). Fenyés, 1920: 108 (synonym of *A. impressa*). Bernhauer & Scheerpeltz, 1926: 569 (synonym of *A. impressa*).
- Autalia obscura* Wendeler, 1928: 298 (original description). Scheerpeltz, 1947: 107 (synonym of *A. impressa*). Dauphin, 1993: 31. Assing, 1997: 73.
- Autalia brevicornis* Blair, 1944: 20 (original description). Scheerpeltz, 1947: 107 (key to Palearctic species of *Autalia*). Hansen, 1954: 88 (suspected to be a synonym of *A. impressa*). Fagel, 1959: 1 (agreed as a synonym of *A. impressa*). Palm, 1968: 68 (synonym of *A. impressa*). Lohse, 1974: 63. Dauphin, 1993: 31. Assing, 1997: 73.
- Distribution: Europe, North Africa, Nepal.

#### ***Autalia inopinata* Assing, 2003**

- Autalia inopinata* Assing, 2003: 45 (original description, key for identification of Palearctic species, illustrated).
- Distribution: Turkey.

#### ***Autalia kabyliana* Fagel, 1959**

- Autalia kabyliana* Fagel, 1959: 4 (original description, illustrated). Dauphin, 1993: 32 (illustrated). Assing, 1997: 78 (key for identification of Palearctic species of *Autalia*, bionomics, illustrated). Smetana, 2004: 420 (catalog entry).
- Distribution: Spain, Algeria, Tunisia.

#### ***Autalia kinabaluensis* Pace, 2002**

- Autalia kinabaluensis* Pace, 2002: 321 (original description, comparison with *A. minuta*, illustrated).
- Distribution: Borneo.

#### ***Autalia limata* Assing, 2001**

- Autalia limata* Assing, 2001: 912 (original description, illustrated). Smetana, 2004: 420 (catalog entry).
- Distribution: China.



***Autalia longicornis* Scheerpeltz, 1947**

*Autalia longicornis* Scheerpeltz, 1947: 104 (original description, comparison with *A. impressa*, key to Palaearctic species of *Autalia*, illustrated). Hansen, 1954: 88 (description, key to *Autalia* species from Denmark, illustrated). Fagel, 1959: 2 (comparison with *A. impressa*, illustrated). Palm, 1968: 68 (diagnosis, key for identification of *Autalia* species from Europe). Lohse, 1974: 63 (diagnosis, key for identification of *Autalia* species from Europe). Owen, 1984: 223 (comparison with *A. impressa*, illustrated). Dauphin, 1993: 31 (key to European *Autalia*, nomenclatorial history, illustrated). Smolenski, 1994: 270 (key to known *Autalia* species from Poland, illustrated). Assing, 1997: 76 (key for identification of *Autalia* species from Palaearctic region, illustrated). Assing, 2001: 911 (new distribution). Assing, 2003: 45 (new distribution, key to Palaearctic species). Smetana, 2004: 420 (catalog entry).

Distribution: Europe, Cyprus, Syria.

***Autalia minuta* Cameron, 1936**

*Autalia minuta* Cameron, 1936: 13 (original description). Pace, 2002: 321 (comparison with *A. kinabaluensis*).

Distribution: Sumatra.

***Autalia monteverdensis* Hoebeke & Ashe, 1994**

*Autalia monteverdensis* Hoebeke & Ashe, 1994: 194 (original description, key to Neotropical species of *Autalia*, illustrated).

Distribution: Costa Rica.

***Autalia myrmecophila* Cameron, 1948**

*Autalia myrmecophila* Cameron, 1948: 235 (original description, collected with *Anomma nigricans*). Tottenham, 1957: 118 (key for identification of Afrotropical species). Pace, 1986: 90. Klimaszewski, 1992: 517 (diagnosis, key for identification of Afrotropical species, distribution, bionomics, illustrated).

Distribution: Angola.

***Autalia pallescens* Tottenham, 1957**

*Autalia pallescens* Tottenham, 1957: 119 (original description, key for identification of Afrotropical species). Klimaszewski, 1992: 523 (diagnosis, key for identification of Afrotropical species, distribution, bionomics, illustrated).

Distribution: Rwanda.

***Autalia phricotrichosa* Hoebeke, 1988**

*Autalia phricotrichosa* Hoebeke, 1988: 87 (original description, illustrated). Hoebeke & Ashe, 1994: 206 (new distribution, key to Neotropical species of *Autalia*).

Distribution: Mexico, Guatemala.

***Autalia pseudoafricana* Klimaszewski, 1992**

*Autalia pseudoafricana* Klimaszewski, 1992: 521 (original description, key for identification of Afrotropical species, bionomics, illustrated).

Distribution: Transkei.

***Autalia pseudotetracarinata* Klimaszewski, 1992**

*Autalia pseudotetracarinata* Klimaszewski, 1992: 518 (original description, key for identification of Afrotropical species, illustrated).

Distribution: Zaire.

***Autalia puncticollis* Sharp, 1864**

*Autalia puncticollis* Sharp, 1864: 45 (original description). Fowler, 1888: 151 (diagnosis, key for identification of *Autalia* species from Europe). Ganglbauer, 1895: 262 (diagnosis). Reitter, 1909: 77 (key to *Autalia* species from Germany). Fenyés, 1920: 108 (catalog entry). Bernhauer & Scheerpeltz, 1926: 569 (catalog entry). Scheerpeltz, 1947: 107 (key to Palearctic species of *Autalia*). Hansen, 1954: 87 (description, key to *Autalia* species from Denmark). Palm, 1968: 67 (diagnosis, key for identification of *Autalia* species from Europe). Lohse, 1974: 63 (diagnosis, key for identification of *Autalia* species from Europe). Gamarra, 1987: 104 (diagnosis, new distribution, as member of subfamily Autalinae, illustrated). Hoebeke, 1988: 92 (key to Neotropical and Nearctic *Autalia*). Dauphin, 1993: 32 (key to European *Autalia*, illustrated). Smolenski, 1994: 270 (key to *Autalia* species known from Poland, illustrated). Assing, 1997: 82 (key for identification of *Autalia* species from Palearctic region, nomenclatorial history, bionomics, illustrated). Smetana, 2004: 420 (catalog entry).

*Autalia alia* Gredler, 1875: 105 (original description). Ganglbauer, 1895: 262 (synonym of *A. impressa*). Fenyés, 1920: 108 (synonym of *A. puncticollis*). Bernhauer & Scheerpeltz, 1926: 569 (synonym of *A. puncticollis*). Dauphin, 1993: 32 (synonym of *A. puncticollis*).

*Autalia rivularis*: Sahlberg, 1830: 347 (misidentification). Ganglbauer, 1895: 262 (as synonym of *A. impressa*). Fenyés, 1920: 108 (as synonym of *A. puncticollis*). Bernhauer & Scheerpeltz, 1926: 569 (as synonym of *A. puncticollis*). Dauphin, 1993: 32 (as synonym of *A. puncticollis*).

Distribution: Europe, South America, North America.

## ***Autalia rivularis* (Gravenhorst, 1802)**

*Aleochara rivularis* Gravenhorst, 1802: 73 (originally described as member of the genus *Aleochara*). Leach, 1819: 177 (considered as *Autalia*). Mannerheim, 1830: 501. Stephens, 1832: 102 (diagnosis). Erichson, 1839: 47 (description). Thomson, 1859: 30 (mentioned as the type of *Autalia*). Thomson, 1860: 261 (diagnosis). Fowler, 1888: 151 (diagnosis, key for identification of *Autalia* species from Europe). Ganglbauer, 1895: 262 (diagnosis). Reitter, 1909: 77 (key to *Autalia* species from Germany, illustrated). Fenyés, 1920: 108 (catalog entry). Bernhauer & Scheerpeltz, 1926: 569 (catalog entry). Scheerpeltz, 1947: 107 (key to Palaearctic species of *Autalia*). Hansen, 1954: 86 (description, key to *Autalia* species from Denmark). Palm, 1968: 67 (diagnosis, key for identification of *Autalia* species from Europe). Lohse, 1974: 63 (diagnosis, key for identification of *Autalia* species from Europe). Hoebeke, 1988: 92 (key to Neotropical and Neotropical *Autalia*). Dauphin, 1993: 32 (key to European *Autalia*, nomenclatorial history, illustrated). Smolenski, 1994: 270 (key to *Autalia* species known from Poland, illustrated). Assing, 1997: 80 (key for identification of *Autalia* species from the Palaearctic region, nomenclatorial history, bionomics, illustrated). Assing 1999: 163 (new distribution). Assing 2003: 45 (new distribution). Smetana, 2004: 420 (catalog entry).

*Autalia aterrima* Stephens, 1832: 102 (original description). Ganglbauer, 1895: 262 (synonym of *A. impressa*). Fenyés, 1920: 108 (synonym of *A. rivularis*). Bernhauer & Scheerpeltz, 1926: 569 (synonym of *A. rivularis*). Dauphin, 1993: 32 (synonym of *A. rivularis*). Assing, 1997: 80 (synonym of *A. rivularis*).

*Autalia angusticollis* Stephens, 1832: 102 (original description). Ganglbauer, 1895: 262 (synonym of *A. impressa*). Fenyés, 1920: 108 (synonym of *A. rivularis*). Bernhauer & Scheerpeltz, 1926: 569 (synonym of *A. rivularis*). Dauphin, 1993: 32 (synonym of *A. rivularis*). Assing, 1997: 80 (synonym of *A. rivularis*).

Distribution: Europe, China, Japan, South America, North America, Turkey, Kazakhstan.

## ***Autalia rufula* Sharp, 1888**

*Autalia rufula* Sharp, 1888: 371 (original description). Fenyés, 1920: 108 (catalog entry). Bernhauer & Scheerpeltz, 1926: 569 (catalog entry). Scheerpeltz, 1947: 107 (key to Palaearctic species of *Autalia*). Dauphin, 1993: 32. Assing, 1997: 79 (key for identification of *Autalia* species from the Palaearctic region, illustrated). Assing, 1998: 211 (comparison with *A. schuelkei*, illustrated). Assing, 1999: 163 (new distribution). Assing, 2003: 48 (new distribution, key for identification of Palaearctic species). Smetana, 2004: 420 (catalog entry).

*Autalia pulchella* Sawada, 1964: 38 (original description). Assing, 1997: 79 (placed as a junior synonym of *A. rufula*).

Distribution: Japan, China.

## ***Autalia ruwenzori* Klimaszewski, 1992**

*Autalia ruwenzori* Klimaszewski, 1992: 523 (original description based on female, key for identification of Afrotropical species, bionomics, illustrated).

Distribution: Uganda.

***Autalia schillhammeri* Assing, 2003**

*Autalia schillhammeri* Assing, 2003: 46 (original description, key for identification of Palaearctic species, illustrated).

Distribution: China.

***Autalia schuelkei* Assing, 1998**

*Autalia schuelkei* Assing, 1998: 209 (original description, key for identification of Palaearctic species, bionomics, illustrated). Smetana, 2004: 420 (catalog entry).

Distribution: China.

***Autalia smetanai* Pace, 1991**

*Autalia smetanai* Pace, 1991: 108 (original description, illustrated). Assing, 1997: 83 (key for identification of *Autalia* species from the Palaearctic region, illustrated). Assing, 2001: 911 (additional record). Smetana, 2004: 420 (catalog entry).

Distribution: Nepal.

***Autalia tetracarinata* Cameron, 1950**

*Autalia tetracarinata* Cameron, 1950: 48 (original description). Tottenham, 1957: 118 (key for identification of Afrotropical species). Pace, 1986b: 90. Klimaszewski, 1992: 522 (diagnosis, key for identification of Afrotropical species, distribution, bionomics, illustrated).

Distribution: Zaire, Rwanda.

***Autalia truncatula* Casey, 1911**

*Autalia truncatula* Casey, 1911: 180 (original description). Fenyés, 1920: 108 (catalog entry). Bernhauer & Scheerpeltz, 1926: 569 (catalog entry). Hoebeke, 1988: 92 (key to Neotropical and Nearctic *Autalia*).

*Autalia brevicornis* Casey, 1911: 181 (original description). Fenyés, 1920: 108 (synonym of *A. truncatula*). Bernhauer & Scheerpeltz, 1926: 569 (synonym of *A. truncatula*).

Distribution: Columbia.

***Autalia yoopaa* Hoebeke & Ashe, 1994**

*Autalia yoopaa* Hoebeke & Ashe, 1994: 200 (original description, key to Neotropical species of *Autalia*, bionomics, illustrated).

Distribution: Mexico.

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