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**Revision of some types of North American aleocharines
(Coleoptera: Staphylinidae: Aleocharinae),
with synonymic notes**

VLADIMIR I. GUSAROV



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Revision of some types of North American aleocharines (Coleoptera: Staphylinidae: Aleocharinae), with synonymic notes

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Abstract

Based on my revision of the types of Nearctic aleocharine staphylinids numerous nomenclatural and taxonomic changes are proposed. The following taxa are transferred: *Acrimea acerba* Casey, 1911a to *Tinotus* Sharp, 1883; *Moluciba grandipennis* Casey, 1911a to *Oxyopoda* Mannerheim, 1830; *Paradilacra* Bernhauer, 1909 to subtribe Tachyusina Thomson, 1859 of tribe Oxypodini Thomson, 1859; *Atheta angusticornis* Bernhauer, 1907 to *Boreophilia* Benick, 1973; *At. coriaria* (Kraatz, 1856) (originally described in *Homalota* Mannerheim, 1830) to *Dalotia* Casey, 1910a; *Homalota ambigua* Erichson, 1839 to *Strigota* Casey, 1910a; *Pseudousipalia microptera* Lohse in Lohse *et al.*, 1990 to *Emmelostiba* Pace, 1982; and *Sableta brittoni* Casey, 1911a to *Thamiaraea* Thomson, 1858.

The following new synonymies are established: *Acrimea* Casey, 1911a with *Tinotus* Sharp 1883; *Acri. fimbriata* Casey, 1911a with *Ti. trisectus* Casey, 1906; *Acri. resecta* Casey, 1911a with *Ti. acerbus* (Casey, 1911a); *Ancillota* Casey, 1910a and *Moluciba* Casey, 1911a with *Oxyopoda* Mannerheim, 1830; *Anc. sollemnis* Casey, 1910a, *O. vetula* Casey, 1911a, *O. neptis* Casey, 1911a and *O. schaefferi* Notman, 1920 with *O. amica* Casey, 1906; *Atheta lanei* Casey, 1910a and *At. nomadica* Casey, 1910a with *At. graminicola* (Gravenhorst, 1806); *Homalota polita* Melsheimer, 1844, *At. disjuncta* Casey, 1910a, *At. replicans* Casey, 1910a, *At. spadix* Casey, 1910a and *At. bucolica* Casey, 1910a with *At. aemula* (Erichson, 1839); *At. innocens* Casey, 1910a, *At. achromata* Casey, 1911a and *At. profecta* Casey, 1911a with *At. keeni* Casey, 1910a; *Dimetrota dempsterensis* Lohse in Lohse *et al.*, 1990 with *At. prudhoensis* (Lohse in Lohse *et al.*, 1990); *At. aperta* Casey, 1910a, *At. wrangelica* Casey, 1911a, *At. morbosa* Casey, 1911a, *At. intacta* Casey, 1911a and *At. alaskana* Casey, 1911a with *At. picipennis* (Mannerheim, 1843); *At. leviceps* Casey, 1910a, *Dimetrota sectator* Casey, 1910a, *Dim. retrusa* Casey, 1910a, *Datomicra hebescens* Casey, 1910a, *Dat. insolida* Casey, 1910a, *Dat. pallax* Casey, 1910a and *Pseudota vana* Casey, 1911a with *At. hamphshirensis* Bernhauer, 1909; *At. repexa* Casey, 1911a with *At. brumalis* Casey, 1910a; *At. querula* Casey, 1910a, *At. socors* Casey, 1911a, *Dimetrota resima* Casey, 1910a, *Dim. vigilans* Casey, 1910a, *Dim. immerita* Casey, 1911a, *Dim. incredula* Casey, 1911a, *Dim. opinata* Casey, 1911a and *Dim. cerebrosa* Casey, 1911a with *Atheta fenyesi* Bernhauer, 1907; *At. crassicornis virginica* Bernhauer, 1907, *At. rhodeana* Casey, 1910a, *At. capella* Casey, 1910a, *At. ducens* Casey, 1910a, *At. temperans* Casey, 1910a, *At. logica* Casey, 1910a, *At. tradita* Casey, 1911a, *At. fenisex* Casey, 1911a, *At. vierecki* Casey, 1911a, *At. auguralis* Casey, 1911a and *At. bifaria* Casey, 1911a with *At. modesta* (Melsheimer, 1844); *At. comitata* Casey, 1910a, *At. gnoma* Casey, 1910a, *At. elota* Casey, 1910a, *At. insidiosa* Casey, 1910a, *Pseudota puricula* Casey, 1911a, *At. candidula* Casey, 1911a, *At. diffisa* Casey, 1911a, *At. nata* Casey, 1911a, *At. modiella* Casey, 1911a and *At. vacillans* Casey, 1911a with *At. frosti* Bernhauer, 1909; *At. mollicula* Casey, 1910a, *Sableta phrenetica* Casey, 1910a, *At. callens* Casey, 1911a, *At. franklini* Casey, 1911a and *At. postulans* Casey, 1911a with *At. ventricosa* Bernhauer, 1907; *At. cephalina* Casey, 1910a, *At. nympa* Casey, 1910a, *At. discreta* Casey, 1910a: 42 (*nec* Casey, 1893, *nec* Casey, 1910a: 79), *Pseudota dissensa* Casey, 1910a, *At. villica* Casey, 1911a and *At. disca* Moore & Legner, 1975 with *At. klagesi* Bernhauer,

1909; *At. citata* Casey, 1910a, *At. evecta* Casey, 1910a, *At. propitia* Casey, 1911a, *At. palpator* Casey, 1911a, *At. burra* Casey, 1911a and *At. nacta* Casey, 1911a with *At. annexa* Casey, 1910a; *At. sumpta* Casey, 1911a with *At. concessa* Casey, 1911a; *At. punctata* Blatchley, 1910, *Synaptina merica* Casey, 1910a and *Sy. consonens* Casey, 1910a with *At. festinans* (Erichson, 1839); *Boreostiba hudsonica* Lohse in Lohse et al., 1990 with *At. parvipennis* Bernhauer, 1907; *Boreophilia chillcotti* Lohse in Lohse et al., 1990 with *At. blatchleyi* Bernhauer & Scheerpeltz, 1926; *Datomicra decolorata* Casey, 1910a, *Dat. inopia* Casey, 1910a, *Dat. schematica* Casey, 1910a and *Dat. stilla* Casey, 1910a with *At. dadopora* Thomson, 1867; *Boreophilia caseyiana* Lohse in Lohse et al., 1990 with *Boreophilia nomensis* (Casey, 1910a); *Metaxya plutonica* Casey, 1910a with *Boreophilia angusticornis* (Bernhauer, 1907); *Boreostiba lamellifera* Lohse in Lohse et al., 1990 with *Boreostiba frigida* (J. Sahlberg, 1880); *At. laurentiana* Blatchley, 1910 with *Aloconota sulcifrons* (Stephens, 1832); *At. immigrans* Easton, 1971 with *Adota maritima* (Mannerheim, 1843); *Pseudota miscella* Casey, 1910a, *Dimetrota pectorina* Casey, 1910a and *Dim. crucialis* Casey, 1910a with *Dalotia coriaria* (Kraatz, 1856); *Dimetrota revoluta* Casey, 1910a and *Datomicra vaciva* Casey, 1910a with *Dochmonota rudiventris* (Eppelsheim, 1886); *At. insolens* Casey, 1910a, *Dimetrota resplendens* Casey, 1910a and *At. apposita* Casey, 1911a with *Liogluta nitens* (Mäklin in Mannerheim, 1852); *Achromata* Casey, 1893 with *Mocyta Mulsant & Rey*, 1874a; *Achromata fusiformis* Casey, 1893, *Dimetrota nuptialis* Casey, 1910a, *Acrotona lividula* Casey, 1910a and *Acro. adjuvans* Casey, 1910a with *Mocyta fungi* (Gravenhorst, 1806); *Acrotona digesta* Casey, 1910a, *Acro. severa* Casey, 1910a, *Acro. shastanica* Casey, 1910a, *Acro. prudens* Casey, 1910a, *Acro. ardelio* Casey, 1910a, *Acro. renoica* Casey, 1910a and *Acro. malaca* Casey, 1910a with *Mocyta breviscula* (Mäklin in Mannerheim, 1852); *Eustrigota* Casey, 1911a with *Acrotona* Thomson, 1859; *Colpodota inceptor* Casey, 1910a, *C. abdicans* Casey, 1910a, *C. repentina* Casey, 1910a, *C. laxella* Casey, 1910a, *C. pupilla* Casey, 1910a and *Strigota seclusa* Casey, 1911a with *Acrotona sonomana* (Casey, 1910a); *Anaduosternum* Notman, 1922 with *Strigota* Casey, 1910a; *Strigota oppidana* Casey, 1910a, *St. gnava* Casey, 1910a, *St. verecunda* Casey, 1910a, *St. assueta* Casey, 1910a, *St. mediocris* Casey, 1910a, *St. vapida* Casey, 1910a, *St. inculta* Casey, 1910a, *St. placata* Casey, 1910a, *St. recta* Casey, 1911a, *Anaduosternum brevipennis* Notman, 1922 and *Atheta notmani* Moore & Legner, 1975 with *St. ambigua* (Erichson, 1839); *Pseudousipalia* Lohse in Lohse et al., 1990 with *Emmelostiba* Pace, 1982; *Fusalia* Casey, 1911a with *Thamiaraea* Thomson, 1858; *Th. lira* Hoebeke, 1988 and *Th. paralira* Hoebeke, 1994 with *Th. brittoni* (Casey, 1911a); *Drusilla cavicollis* Casey, 1906 with *Dr. canaliculata* (Fabricius, 1787); *Leptusa laticollis* Notman, 1921 with *Le. brevicollis* Casey, 1893; *Sipalia fontana* Casey, 1911a and *Pasilia virginica* Casey, 1911a with *Leptusa elegans* Blatchley, 1910; and *Pseudota cornicula* Casey, 1911a with *Placusa vaga* Casey, 1911a.

Tinotus pallidus Casey, 1911a is removed from synonymy with *Ti. caviceps* Casey, 1893 and is placed in synonymy with *Ti. trisectus* Casey, 1906. *Atheta granulata* (Mannerheim, 1846) (originally described in *Homalota*) is considered to be a synonym of *At. graminicola* (Gravenhorst, 1806), which has Holarctic (circumboreal) distribution. *Atheta keeni* Casey, 1910a is the valid name for *At. vasta sensu* Klimaszewski & Winchester, 2002. *Boreostiba frigida* (J. Sahlberg, 1880) is removed from synonymy with *Boreostiba sibirica* (Mäklin, 1880) and is considered to be a valid species. *Leptusa obscura* Blatchley, 1910 is removed from synonymy with *Le. canonica* Casey, 1906 and is considered to be a valid species.

The following synonymies are confirmed: *Devia congruens* (Casey, 1893) with *De. prospera* (Erichson, 1839); *Paradilacra persola* Casey, 1910a, *Pa. willametta* Casey, 1910a, *Pa. uintana* Casey, 1910a, *Pa. glenorica* Casey, 1910a, *Pa. symbolica* Casey, 1911a, *Pa. erebea* Casey, 1911a, *Pa. subaequa* Casey, 1911a, *Pa. sinistra* Casey, 1911a, *Pa. memnonia* Casey, 1911a, *Pa. vulgatula*

Casey, 1911a and *Pa. deserticola* Casey, 1911a with *Pa. densissima* (Bernhauer, 1909); *Atheta carlottae* Casey, 1910a with *At. picipennis* (Mannerheim, 1843); *At. maeklini* Fenyès, 1820 (replacement name for *Homalota moesta* Mäklin in Mannerheim, 1852) with *At. hampshirensis* Bernhauer, 1909; *At. fontis* Casey, 1911a with *At. pennsylvanica* Bernhauer, 1907, *Leptusa tricolor* Casey, 1906, *Le. nebulosa* Casey, 1911a and *Le. iowensis* Casey, 1911a with *Le. canonica* Casey, 1906; *Le. seminitens* Casey, 1893 with *Le. opaca* Casey, 1893.

Atheta picipennis (Mannerheim, 1843) (ex *Homalota*) is a *nomen protectum* and *At. picipennis* (Stephens, 1832) (ex *Aleochara*; a junior synonym of *At. amacula* (Stephens, 1832)) is a *nomen oblitum*.

Lectotypes are designated for *Acrimea fimbriata* Casey, 1911a, *Acri. acerba* Casey, 1911a, *Acri. resecta* Casey, 1911a, *Ancillota sollemnis* Casey, 1910a, *Oxygota amica* Casey, 1906, *O. vetula* Casey, 1911a, *O. neptis* Casey, 1911a, *O. schaefferi* Notman, 1920, *O. prospera* Erichson, 1839, *O. congruens* Casey, 1893, *Atheta densissima* Bernhauer, 1909, *At. lanei* Casey, 1910a, *At. nomadica* Casey, 1910a, *At. disjuncta* Casey, 1910a, *At. replicans* Casey, 1910a, *At. spadix* Casey, 1910a, *At. keeni* Casey, 1910a, *At. innocens* Casey, 1910a, *At. achromata* Casey, 1911a, *At. profecta* Casey, 1911a, *At. carlottae* Casey, 1910a, *At. aperta* Casey, 1910a, *At. morbosa* Casey, 1911a, *At. alaskana* Casey, 1911a, *At. altaica* Bernhauer, 1901, *At. leviceps* Casey, 1910a, *At. hampshirensis* Bernhauer, 1909, *At. brumalis* Casey, 1910a, *At. repexa* Casey, 1911a, *At. fenyesi* Bernhauer, 1907, *At. querula* Casey, 1910a, *At. socors* Casey, 1911a, *At. crassicornis* var. *virginica* Bernhauer, 1907, *At. rhodeana* Casey, 1910a, *At. capella* Casey, 1910a, *At. ducens* Casey, 1910a, *At. temperans* Casey, 1910a, *At. logica* Casey, 1911a, *At. tradita* Casey, 1911a, *At. fenisex* Casey, 1911a, *At. vierecki* Casey, 1911a, *At. auguralis* Casey, 1911a, *At. bifaria* Casey, 1911a, *At. frosti* Bernhauer, 1907, *At. comitata* Casey, 1910a, *At. gnoma* Casey, 1910a, *At. elota* Casey, 1910a, *At. insidiosa* Casey, 1910a, *At. candidula* Casey, 1911a, *At. diffisa* Casey, 1911a, *At. nata* Casey, 1911a, *At. modiella* Casey, 1911a, *At. vacillans* Casey, 1911a, *At. ventricosa* Bernhauer, 1907, *At. mollicula* Casey, 1910a, *At. callens* Casey, 1911a, *At. franklini* Casey, 1911a, *At. postulans* Casey, 1911a, *At. klagesi* Bernhauer, 1909, *Atheta cephalina* Casey, 1910a, *At. nympa* Casey, 1910a, *At. discreta* Casey, 1910a: 42 (*nec* Casey, 1893, *nec* Casey, 1910a: 79), *At. citata* Casey, 1910a, *At. evecta* Casey, 1910a, *At. propitia* Casey, 1911a, *At. palpator* Casey, 1911a, *At. burra* Casey, 1911a, *At. nacta* Casey, 1911a, *At. concessa* Casey, 1911a, *At. punctata* Blatchley, 1910, *At. parvipennis* Bernhauer, 1907, *At. caviceps* Blatchley, 1910, *At. pennsylvanica* Bernhauer, 1907, *At. angusticornis* Bernhauer, 1907, *Atheta laurentiana* Blatchley, 1910, *At. insolens* Casey, 1910a, *At. apposita* Casey, 1911a, *Paradilacra persola* Casey, 1910a, *Pa. willametta* Casey, 1910a, *Pa. uintana* Casey, 1910a, *Pa. glenorica* Casey, 1910a, *Pa. symbolica* Casey, 1911a, *Pa. erebea* Casey, 1911a, *Pa. subaequa* Casey, 1911a, *Pa. sinistra* Casey, 1911a, *Pa. memnonia* Casey, 1911a, *Pa. deserticola* Casey, 1911a, *Aleochara graminicola* Gravenhorst, 1806, *Ale. nigrifula* Gravenhorst, 1802, *Homalota aemula* Erichson, 1839, *H. polita* Melsheimer, 1844, *H. modesta* Melsheimer, 1844, *H. sodalis* Erichson, 1837, *H. festinans* Erichson, 1839, *H. ambigua* Erichson, 1839, *Dimetrota sectator* Casey, 1910a, *Dim. retrusa* Casey, 1910a, *Dim. resima* Casey, 1910a, *Dim. vigilans* Casey, 1910a, *Dim. incredula* Casey, 1911a, *Dim. opinata* Casey, 1911a, *Dim. cerebrosa* Casey, 1911a, *Dim. pectorina* Casey, 1910a, *Dim. crucialis* Casey, 1910a, *Datomicra hebescens* Casey, 1910a, *Dat. insolida* Casey, 1910a, *Dat. decolorata* Casey, 1910a, *Dat. inopia* Casey, 1910a, *Dat. schematica* Casey, 1910a, *Dat. stilla* Casey, 1910a, *Dat. vaciva* Casey, 1910a, *Pseudota vana* Casey, 1911a, *Ps. puricula* Casey, 1911a, *Ps. dissensa* Casey, 1910a, *Ps. miscella* Casey, 1910a, *Sableta phrenetica* Casey, 1910a, *Sa. brittoni* Casey, 1911a, *Synaptina merica* Casey, 1910a, *Sy. consonens* Casey, 1910a, *Metaxya plutonica* Casey, 1910a, *Acrotone lividula* Casey, 1910a, *Acro. adjuvans* Casey, 1910a, *Acro. digesta* Casey, 1910a, *Acro. severa* Casey, 1910a, *Acro. shastanica*

Casey, 1910a, *Acro. prudens* Casey, 1910a, *Acro. ardelio* Casey, 1910a, *Acro. renoica* Casey, 1910a, *Acro. malaca* Casey, 1910a, *Colpodota sonomana* Casey, 1910a, *C. inceptor* Casey, 1910a, *C. abdicans* Casey, 1910a, *C. repentina* Casey, 1910a, *C. laxella* Casey, 1910a, *C. pupilla* Casey, 1911a, *Strigota seclusa* Casey, 1911a, *St. oppidana* Casey, 1910a, *St. gnava* Casey, 1910a, *St. verecunda* Casey, 1910a, *St. assueta* Casey, 1910a, *St. mediocris* Casey, 1910a, *St. vapida* Casey, 1910a, *St. inculta* Casey, 1910a, *St. placata* Casey, 1910a, *St. recta* Casey, 1911a, *Leptusa seminitens* Casey, 1893, *Le. tricolor* Casey, 1906, *Le. nebulosa* Casey, 1911a, *Le. obscura* Blatchley, 1910, *Le. elegans* Blatchley, 1910, *Ulitusa pusio* Casey, 1906 and *Sipalia fontana* Casey, 1911a.

Oxyptoda acuminata (Stephens, 1832) and *Atheta dadopora* Thomson, 1867 are reported from North America for the first time. North American records of *Atheta altaica* Bernhauer, 1901 are confirmed.

Key words: Coleoptera, Staphylinidae, Aleocharinae, Holarctic, Nearctic, taxonomy, nomenclature, synonymy

Introduction

While revising Nearctic staphylinids of the tribe Athetini Casey, 1910a, I examined the types of all species of Aleocharinae described by previous authors, mostly by Casey (1893, 1906, 1910a, 1911a) and Bernhauer (1906, 1907, 1909). The results of my study of Nearctic aleocharine types have been (Gusarov 2002a–e, 2003a–d; Gusarov, in press, a–b), or will be published, as revisions of corresponding genera. In this paper I establish new synonyms of some well known, common species, or species in groups that were recently revised by other authors (Lohse & Smetana 1985; Klimaszewski & Peck 1986; Hoebeke 1988; Pace 1989; Lohse *et al.* 1990; Hoebeke 1994; Klimaszewski *et al.* 2001; Klimaszewski & Pelletier 2002; Klimaszewski & Winchester 2002).

The fourth edition of the International Code of Zoological Nomenclature (ICZN 1999, Article 74.7.3) requires that lectotype designations “contain an express statement of the taxonomic purpose of the designation”. The purpose of lectotype designations in this paper is to assure correct and consistent application of the names in the future. There is no reason to repeat this statement for each lectotype designation. All specimens designated as lectotypes were supplied with red lectotype labels.

In modern papers on the subfamily Aleocharinae the shape of the aedeagus is universally used to separate and recognize closely related and similar species. Identification work often involves comparison between specimens and published illustrations. Some aspects of these illustrations can be standardized to facilitate a comparison between the drawings produced by different authors. These aspects are briefly discussed below.

Among the most important characters of the aedeagus used for species identification are the shape of the apex of the median lobe and the details of the internal sac. The shape of the median lobe is traditionally illustrated in both lateral and parameral views (*e. g.*, Strand & Vik 1964). Unfortunately in some recent papers there is a trend to omit