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ON THE TYPE SPECIES OF SEVERAL TENEBRIONID GENERA AND SUBGENERA (COLEOPTERA, TENEBRIONIDAE)

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Type species are designated for following taxa described after 1930: subgenera *Macradesmia*, *Oteroscelopsis*, *Macropodesmia* of *Adesmia* FISCHER VON WALDHEIM, subgenus *Catomodontus* of *Catomus* ALLARD, subgenus *Cyphostethoides* of *Cyphostethe* MARSEUL, subgenus *Saxistena* of *Mesostena* ESCHSCHOLTZ, subgenus *Subtentyrina* of *Tentyria* LATREILLE, genera *Lepidocnemeplatia*, *Pseudopachyscelis*, and *Tetranosis*. An erroneous type species designation for *Scleronimon* REITTER is corrected. The genera *Platyscelis* LATREILLE and *Oodescelis* MOTSCHULSKY are based on the same type species, leading to description of *Kaszaboscelis* gen. n., and to numerous new combinations. *Scleropatrum* REITTER and *Monatrum* REICHARDT are synonymized, and *Scleropatroides* gen. n. is described to include species formerly included in the genus *Scleropatrum*: authors, not REITTER, 1877.

Key words: Coleoptera, Tenebrionidae, nomenclature, type species designation

INTRODUCTION

While verifying descriptions of Palaearctic tenebrionids for the Tenebrionoidea volume of the Catalogue of Palaearctic Coleoptera we have noticed numerous genus-group names that lack designated type species. Most of these names were described before 1931 and some of them are currently placed in synonymy. Such names will be fixed by designation of type species elsewhere. Nevertheless, several genus-group names were published after 1930 and are unavailable, according to ICZN, Art. 13.3. In two cases the genus-group names were published before 1931 and have incorrectly designated type species. All names treated below are currently considered as valid. The application of the dispositions of the ICZN necessarily leads to nomenclatorial changes, yet we tried to minimize them.

NOMECLATORIAL ACTS

Adesmia

KOCH (1944) described in *Adesmia* FISCHER VON WALDHEIM, 1822, new subgenera *Macradesmia*, *Oteroscelopsis*, *Somaladesmia* and *Macropodesmia*. While *Somaladesmia* was based on a single named species, *A. consimilis* GAHAN, 1896 and on "mehrere neue im folgenden bekanngemachte Formen", he failed to fix the remaining three subgeneric names by designation of type species. KOCH (1944: 146) listed 18 species, but did not mention a type species. The description of *Macradesmia* (1944: 146) characterizes the group. KOCH (1944: 147) listed 11 species as members of *Oteroscelopsis*, again without designating a type species. The description (KOCH 1944: 147) characterizes the group. The subgenus *Macropodesmia* included two named "Formen", *Adesmia reticulata* KLUG, 1830 and *Adesmia basimargo* REITTER, 1916 currently considered as two subspecies of one nominal species. The description by KOCH (1944: 147) characterizes the group. KOCH used to apply the term "Formen" without any distinction to species-group taxa as to infrasubspecific names, but stated that *A. reticulata* KLUG and *A. basimargo* REITTER are members of the same "Rassenkreis". Probably he had in his mind the notion of subspecies. We find necessary to fix also the name *Macropodesmia* by designation of a type species.

We designate hereby:

Pimelia cancellata KLUG, 1830 as the type species of *Macradesmia*.

Pimelia dilatata KLUG, 1830 as the type species of *Oteroscelopsis.*

Pimelia reticulata KLUG, 1830 as the type species of *Macropodesmia*.

Cyphostethoides

KASZAB (1979: 273) described *Cyphostethoides*, a new subgenus of *Cyphostethe*, for the following species: *C. angulosicolle* CHOBAUT, 1924, *C. brunnea* KASZAB, 1962, *C. brunneoides* KASZAB, 1979, *C. grombczewskii* (SEMENOV, 1890), *C. heydeni* (HAAG-RUTENBERG, 1877), *C. komarowii* (REITTER, 1889), and *C. semenovi* BOGATCHEV, 1947. MERKL (1991) added another new species, *C. jelineki*. Both KASZAB and MERKL failed to designate a type species. The original description given by KASZAB (1970: 273) characterizes the group. We fix the name *Cyphostethoides* by the designation of *Cyphostethe brunnea* KASZAB, 1962 as its type species.

Lepidocnemeplatia

KASZAB (1938: 80) described *Lepidocnemeplatia* as a subgenus of *Cnemeplatia*, for *C. sericea* HORN, 1870 and *C. laticollis* CHAMPION, 1884 from California and Panama respectively. Later, KASZAB (1942) raised this subgenus to generic rank, and described a new species, *L. szekessyi* from Burma. VIANA (1963), KASZAB (1966) and MEDVEDEV (1991) described in *Lepidocnemeplatia* additional Asian and South American species. None of these authors fixed the name *Lepidocnemeplatia* by type species designation. The original description given by KASZAB (1938: 80) characterizes the group. We designate here *Cnemeplatia sericea* HORN, 1870 as the type species of *Lepidocnemeplatia*.

Platyscelis and *Oodescelis*

Platyscelis was erected in 1818 by LATREILLE for a single species, *Blaps polita* STURM, 1807. Thus *Blaps polita* STURM is the type species of *Platyscelis*. Nevertheless, the genus name was credited to LATREILLE, 1825, with as type species *Tenebrio hypolithos* PALLAS, 1781 (misspelled as *hypolithos*). This error goes back at least to SEIDLITZ (1893) who included in *Platyscelis* four species, *Blaps rugifrons* GERMAR, 1828, *Platyscelis melas* FISCHER VON WALDHEIM, 1823, *Platyscelis gages* FISCHER VON WALDHEIM, 1823 (currrently placed in synonymy of *Blaps polita* STURM), and *Tenebrio hypolithos* PALLAS, 1781, all already placed in *Platyscelis* by FISCHER VON WALDHEIM in 1824. *Platyscelis*, and other Platyscelini, were revised by KASZAB (1940). He and subsequent workers followed SEIDLITZ (1893). The genus *Platyscelis* currently includes a number of species, but not its type species. *Blaps polita* STURM is placed in *Oodescelis* MOTSCHULSKY, 1845, as its type species. Thus *Oodescelis* MOTSCHULSKY is a junior objective synonym of *Platyscelis* LATREILLE, 1818, but not a synonym of *Platyscelis* sensu SEIDLITZ and subsequent authors.

The oldest available name for *Platyscelis*: authors, not LATREILLE, 1818 is *Pleiopleura* SEIDLITZ, 1893, currently considered to be a valid subgenus of the genus formerly named as *Platyscelis*. The type species of *Pleiopleura* is *Platyscelis striatus* MOTSCHULSKY, 1860. We describe *Kaszaboscelis* **subgen. n.** to include species formerly included in the subgenus *Platyscelis*: authors, not LATREILLE, 1818, with the type species *Tenebrio hypolithos* PALLAS, 1781.

Genus *Pleiopleura* SEIDLITZ, 1893
Subgenus *Kaszaboscelis* **subgen. n.**

Type species. *Tenebrio hypolithos* PALLAS, 1781

Description. Tenebrioninae: Platyscelidini. Pseudepipleura not reaching sutural angle. Protibiae of male strongly expanded toward apex, inner margin weakly emarginate, outer margin sharp, underside deeply concave. Mesotibiae with inner margin glabrous or with normal setae. Metatibiae straight. Tarsomeres of male strongly expanded (cf. KASZAB 1940: 917).

Included species:

Pleiopleura (Kaszaboscelis) angusticollis (KASZAB, 1940), new combination
Pleiopleura (Kaszaboscelis) ballioni (REITTER, 1889), new combination
Pleiopleura (Kaszaboscelis) brevis (Baudi di Selve, 1876), new combination
Pleiopleura (Kaszaboscelis) confusa (SCHUSTER, 1934), new combination
Pleiopleura (Kaszaboscelis) freyi (KASZAB, 1940), new combination
Pleiopleura (Kaszaboscelis) gebieni (SCHUSTER, 1915), new combination
Pleiopleura (Kaszaboscelis) hungarica (I. FRIVALDSZKY, 1865), new combination
Pleiopleura (Kaszaboscelis) hypolithos (PALLAS, 1781), new combination
Pleiopleura (Kaszaboscelis) intermedius (MOTSCHULSKY, 1859), new combination
Pleiopleura (Kaszaboscelis) kirghisica (REITTER, 1896), new combination
Pleiopleura (Kaszaboscelis) obovata (REN, 1999), new combination
Pleiopleura (Kaszaboscelis) platytarsis (KASZAB, 1940), new combination
Pleiopleura (Kaszaboscelis) potanini (BOGATCHEV, 1961), new combination
Pleiopleura (Kaszaboscelis) seidlitzi (REITTER, 1896), new combination
Pleiopleura (Kaszaboscelis) spinolae (SOLIER, 1848), new combination
Pleiopleura (Kaszaboscelis) subcordata (SEIDLITZ, 1893), new combination
Pleiopleura (Kaszaboscelis) suiyuana (KASZAB, 1940), new combination

Subgenus *Oblongoplatyscelis* KASZAB, 1940

Type species: *Platyscelis ganglbaueri* SEIDLITZ, 1893

Pleiopleura (Oblongoplatyscelis) ganglbaueri (SEIDLITZ, 1893), new combination

Subgenus *Paraplatyscelis* KASZAB, 1940

Type species: *Platyscelis sinuata* SEIDLITZ, 1893

Pleiopleura (Paraplatyscelis) sinuata (SEIDLITZ, 1893), new combination

Subgenus *Pleiopleura* SEIDLITZ, 1893

Type species: *Platyscelis striata* MOTSCHULSKY, 1860

Pleiopleura (Pleiopleura) przewalskii (BOGATCHEV, 1961), new combination
Pleiopleura (Pleiopleura) skopini (KASZAB, 1962), new combination
Pleiopleura (Pleiopleura) striata (MOTSCHULSKY, 1859), new combination
Pleiopleura (Pleiopleura) sulcata (BALLION, 1878), new combination

Oodescelis MOTSCHULSKY, 1845, with type species *Blaps polita* STURM, 1807, is an objective junior synonym of *Platyscelis* LATREILLE, 1818. The genus *Platyscelis* LATREILLE, 1818 includes at present the following taxa.

Subgenus *Acutoodescelis* KASZAB, 1940
Type species: *Platyscelis punctatissima* FAIRMAIRE, 1886

Platyscelis (Acutoodescelis) arnoldii (SKOPIN, 1964)**,** new combination
Platyscelis (Acutoodescelis) emmerichi (KASZAB, 1940)**,** new combination
Platyscelis (Acutoodescelis) kansouensis (KASZAB, 1940)**,** new combination
Platyscelis (Acutoodescelis) kiritchenkoi (BOGATCHEV, 1939)**,** new combination
Platyscelis (Acutoodescelis) punctatissima FAIRMAIRE, 1886, as in the original combination
Platyscelis (Acutoodescelis) pyripenis (REN, 1999), new combination

Subgenus *Clavatoodescelis* KASZAB, 1940
Type species: *Platyscelis melas* FISCHER VON WALDHEIM, 1823

Platyscelis (Clavatoodescelis) acutanguloides (KASZAB, 1940), new combination
Platyscelis (Clavatoodescelis) attenuata (KASZAB, 1940), new combination
Platyscelis (Clavatoodescelis) blattiformis (KASZAB, 1938), new combination
Platyscelis (Clavatoodescelis) clavatipes (KASZAB, 1938), new combination
Platyscelis (Clavatoodescelis) heydeni SEIDLITZ, 1893, as in the original combination
Platyscelis (Clavatoodescelis) iliensis (SKOPIN, 1958), new combination
Platyscelis (Clavatoodescelis) kunzeni (KASZAB, 1940), new combination
Platyscelis (Clavatoodescelis) melas FISCHER VON WALDHEIM, 1823
Platyscelis (Clavatoodescelis) pseudotibialis (SKOPIN, 1973), new combination
Platyscelis (Clavatoodescelis) sachtlebeni (KASZAB, 1940), new combination
Platyscelis (Clavatoodescelis) similis KASZAB, 1938, as in the original combination
Platyscelis (Clavatoodescelis) tibialis BALLION, 1878, as in the original combination
Platyscelis (Clavatoodescelis) xerophila (SKOPIN, 1965), new combination

Subgenus *Longuloodescelis* KASZAB, 1940
Type species: *Platyscelis hirta* SEIDLITZ, 1893

Platyscelis (Longuloodescelis) hirta SEIDLITZ, 1893, as in the original combination

Subgenus *Oblongoodescelis* KASZAB, 1940
Type species: *Platyscelis oblonga* BALLION, 1878

Platyscelis (Oblongoodescelis) ballioni (SKOPIN, 1973), new combination
Platyscelis (Oblongoodescelis) dispar (SKOPIN, 1965), new combination
Platyscelis (Oblongoodescelis) necopinata (SKOPIN, 1965), new combination
Platyscelis (Oblongoodescelis) oblonga BALLION, 1878, as in the original combination
Platyscelis (Oblongoodescelis) schusteri (KASZAB, 1940), new combination
Platyscelis (Oblongoodescelis) semenoviana (BOGATCHEV, 1946), new combination
Platyscelis (Oblongoodescelis) songariensis (KASZAB, 1940), new combination
Platyscelis (Oblongoodescelis) transcaspica (KASZAB, 1940), new combination

Subgenus *Ovaloodescelis* KASZAB, 1940
Type species: *Oodescelis affinis* SEIDLITZ, 1893

Platyscelis (Ovaloodescelis) adriani (KASZAB, 1940), new combination
Platyscelis (Ovaloodescelis) affinis SEIDLITZ, 1893, as in the original combination
Platyscelis (Ovaloodescelis) brevipennis KASZAB, 1938, as in the original combination
Platyscelis (Ovaloodescelis) chinensis (KASZAB, 1962), new combination
Platyscelis (Ovaloodescelis) heptapotamicus (SKOPIN, 1966), new combination
Platyscelis (Ovaloodescelis) przevalskii (BOGATCHEV, 1946), new combination
Platyscelis (Ovaloodescelis) truncatoides (SKOPIN, 1968), new combination
Platyscelis (Ovaloodescelis) wernoyensis (KASZAB, 1940), new combination

Subgenus *Platyscelis* LATREILLE, 1818
Type species: *Blaps polita* STURM, 1807

Platyscelis (Platyscelis) depilata (SKOPIN, 1966), new combination
Platyscelis (Platyscelis) kirghizika ferghanensis (EGOROV, 1989), new combination
Platyscelis (Platyscelis) kirghizika kirghizika (EGOROV, 1989), new combination
Platyscelis (Platyscelis) medvedevi (EGOROV, 1989), new combination
Platyscelis (Platyscelis) polita (STURM, 1807) , as in the original combination

Subgenus *Spinoodescelis* KASZAB, 1940
Type species: *Oodescelis somocoeloides* SEIDLITZ, 1893

Platyscelis (Spinoodescelis) acuta (KASZAB, 1940), new combination
Platyscelis (Spinoodescelis) grandis alticola (SKOPIN, 1965), new combination
Platyscelis (Spinoodescelis) grandis grandis (SKOPIN, 1965), comb. n
Platyscelis (Spinoodescelis) hirtipennis (KASZAB, 1940), new combination
Platyscelis (Spinoodescelis) ketmeniana (SKOPIN, 1961), new combination
Platyscelis (Spinoodescelis) latipleura (KASZAB, 1940), new combination
Platyscelis (Spinoodescelis) longisterna (KASZAB, 1940), new combination
Platyscelis (Spinoodescelis) ovulum SEIDLITZ, 1893, as in the original combination
Platyscelis (Spinoodescelis) punctolineata (KASZAB, 1940), new combination
Platyscelis (Spinoodescelis) somocoeloides SEIDLITZ, 1893, as in the original combination
Platyscelis (Spinoodescelis) turul (KASZAB, 1940), new combination

Subgenus *Trichoodescelis* KASZAB, 1940
Type species: *Platyscelis acutangula* KRAATZ, 1884

Platyscelis (Spinoodescelis) acutangula KRAATZ, 1884, as in the original combination
Platyscelis (Spinoodescelis) hirsuta (REITTER, 1896), new combination
Platyscelis (Spinoodescelis) turkestanica SEIDLITZ, 1893, as in the original combination

Subgenus *Truncatoodescelis* KASZAB, 1940
Type species: *Platyscelis longicollis* KRAATZ, 1884

Platyscelis (Truncatoodescelis) femoralis KASZAB, 1938, as in the original combination

Platyscelis (Truncatoodescelis) karaganae (SKOPIN, 1965), new combination
Platyscelis (Truncatoodescelis) ketmeniana (SKOPIN, 1965), new combination
Platyscelis (Truncatoodescelis) longicollis KRAATZ, 1884, as in the original combination
Platyscelis (Truncatoodescelis) sahlbergi REITTER, 1900, as in the original combination
Species incertae sedis: *Platyscelis curvipes* (SKOPIN, 1966), new combination

Pseudopachyscelis

SKOPIN (1962: 225) described the genus *Pseudopachyscelis* with two species included, *Pachyscelis pygmaea* MÉNÉTRIÈS, 1849 and *Pachyscelis nitidula* KRAATZ, 1882. He did not fix the genus name by designation of a type species. The original description given by SKOPIN (1962: 225) characterizes the group. We designate hereby *Pachyscelis pygmaea* MÉNÉTRIÈS, 1849 as type species of *Pseudopachyscelis*.

Scleronimon

REITTER (1904: 127) described *Scleronimon* as a taxon of subgeneric rank. He included in this subgenus two species, *S. peyerimhoffi* REITTER, 1904 and *S. granulatus* REITTER, 1904, but did not designate a type species. *Scleronimon* is currently placed as a subgenus in *Eurycaulus* FAIRMAIRE, 1868. ESPAÑOL and VIÑOLAS (1981) designated as type species of *Scleronimon* REITTER *Eurycaulus marmottani* FAIRMAIRE, 1868. This is an unvalid designation because *E. marmottani* FAIRMAIRE, 1868 was not originally included in *Scleronimon* (*cf*. ICZN Art. 67.2.1). Besides, *E. marmottani* FAIRMAIRE, 1868 is the type species of *Eurycaulus*. We designate hereby *Eurycaulus granulatus* REITTER, 1904 as the type species of the subgenus *Scleronimon*.

Scleropatrum and *Monatrum*

REITTER (1887: 388) described a new species, *Scleropatrum tuberculatum*. This act was in fact a combined genus and species description, lacking indication that *Scleropatrum* is a new genus. According to the ICZN, Art. 12.2.6 such names published before 1931 are available. Later, REITTER (1890) described two additional species in *Scleropatrum, S. tuberculiferum* and *S. striatogranulatum* (the latter is a synonym of the former name). SEIDLITZ (1894) credited the name *Scleropatrum* to REITTER (1890), and GEBIEN (1938) credited it to both, to REITTER

(1890) and SEIDLITZ (1894). GEBIEN (1938) erroneously listed *Opatrum hirtulum* BAUDI DI SELVE, 1876 as type species of *Scleropatrum*.

Scleropatrum tuberculatum REITTER is currently placed in the genus *Monatrum* REICHARDT, 1936. Since the type species of *Scleropatrum* is *S. tuberculatum* REITTER, 1887, by monotypy, so *Monatrum* REICHARDT, 1936, **syn. n.** is a junior synonym of *Scleropatrum* REITTER, 1887,

In the lack of synonyms, we describe *Scleropatroides* **gen. n.** to include species formerly included in the genus *Scleropatrum*: authors, not REITTER, 1877, with the type species *Opatrum hirtulum* BAUDI DI SELVE, 1876.

Genus *Scleropatroides* **gen. n.**

Type species: *Opatrum hirtulum* BAUDI DI SELVE, 1876

Description. Tenebrioninae: Opatrini. Body parallel-sided, dorsal surface coarsely sculptured Eyes deeply emarginate but not completely divided. Antennae short, barely surpassing middle of pronotum Lateral margins of pronotum not bordered, explanate. Protibiae narrow. Elytra with lateral margin not or baerly visible from above; all or odd-numbered elytral interstriae narrow, carinate, with one row of granules. (cf. SEIDLITZ 1894: 418).

Scleropatroides breviusculus (REITTER, 1889), new combination
Scleropatroides gallagheri (FERRER, 2003), new combination
Scleropatroides hirtulus (BAUDI DI SELVE, 1876), new combination
Scleropatroides patrizii (GRIDELLI, 1945), new combination
Scleropatroides seidlitzi (REITTER, 1898), new combination
Scleropatroides somalicus (FERRER, 1995), new combination
Scleropatroides strigatus (FABRICIUS, 1798), new combination
Scleropatroides turanicus (REITTER, 1904), new combination

The following taxa are here transferred from *Monatrum* to *Scleropatrum*:

Scleropatrum carinatum carinatum (GEBLER, 1829), new combination
Scleropatrum carinatum relictum (SKOPIN, 1964), new combination
Scleropatrum csikii (KASZAB, 1967), new combination
Scleropatrum elongatum (GUÉRIN-MÉNEVILLE, 1834), new combination
Scleropatrum horridum horridum REITTER, 1898, as in the original combination
Scleropatrum horridum humeralis (SKOPIN, 1963), new combination
Scleropatrum mongolicum (KASZAB, 1967), new combination
Scleropatrum prescottii (FALDERMANN, 1833), new combination
Scleropatrum tuberculatum REITTER, 1877, as in the original combination
Scleropatrum tuberculiferum REITTER, 1890, as in the original combination

Subtentyrina

KOCH (1939: 260) described *Subtentyria*, a new subgenus of *Tentyria* LATREILLE, 1802, for the following four Mediterranean species: *T. maroccana* SOLIER, 1835, *T. elongata* WALTL, 1835, *T. emarginata* KRAATZ, 1865, and *T. subcostata* SOLIER, 1835. He and subsequent workers failed to designate a type species. From the four species only *T. elongata* is currently placed in *Subtentyrina*, the remaining three species are in the nominate subgenus *Tentyria*. The original description given by KOCH (1939: 260) characterizes the group. We designate hereby *T. elongata* WALTL, 1835 as the type species of *Subtentyria*.

Tetranosis

KOCH (1940c: 740) described the genus *Tetranosis* to include two new species, *T. clypeolobus* and *T. ciliaticostis*. KASZAB (1973) added the new species *T. franzi*, and KASZAB (1981) another new species, *T. wittmeri*. Neither KOCH nor KASZAB designated a type species**.** The original description given by KOCH (1940*c*: 740) characterizes the group. We designate here as the type species *Tetranosis clypeolobus* KOCH, 1940.

Catomodontus

KOCH (1935: 108) described *Catomodontus* as a subgenus of *Catomus* ALLARD, 1876 to include three new species, *C. coronatus*, *C. ovatus* and *C. torretassoi*. A type species was not designated. The original description given by KOCH (1935: 108) characterizes the group. We designate here as the type species *Catomus coronatus* KOCH, 1935.

Saxistena

KOCH (1940a: 65) described *Saxistena* as a subgenus of *Mesostena* ESCHSCHOLTZ, 1831 to include *M. longicornis* KRAATZ, 1865 (with its subspecies, *M. longicornis cavatica* ANDRES, 1926) and two new species, *M. mequignoni* and *M. ibnsaudi*. Later, KOCH (1940*b*) added to *Saxistena* a new subspecies, *M. longicornis rothi*, but a type species was not designated in any of these two papers of

KOCH. The original description given by KOCH (1940*a*: 65) characterizes the group. We designate here as the type species *Mesostena longicornis* KRAATZ, 1865.

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