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Volume 2, Supplement 2**

M.L. DANILEVSKY

**Taxonomic notes on Palaearctic Longhorn beetles
(Coleoptera, Cerambycidae)**

**Six new Longhorn (Coleoptera, Cerambycidae) taxa from Russia
and adjacent countries**

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Russian State Social University
member of the International Academy of Science Teacher Education

**Taxonomic notes on Palaearctic Longicorn beetles
(Coleoptera, Cerambycidae)**

M.L. Danilevsky

A.N. Severtzov Institute of Ecology and Evolution, Russian Academy of Sciences,
Leninsky prospect 33, Moscow 119071 Russia;
e-mail: danilevskym@rambler.ru, danilevsky@cerambycidae.net

Key words: Coleoptera, Cerambycidae, taxonomy, new rank, name restored, new records, Russia, Caucasus, Iran, Korea.

Abstract: The type locality of *Brachyta variabilis* (Gebler, 1817) is identified as North-West part of Altay Region. *B. v. testaceimembris* (Pic, 1916), **new rank** is accepted as valid for the subspecies distributed in Khabarovsk Region. *B. v. aberrans* (Villiers, 1960), **new rank** is accepted as valid for the subspecies distributed in Russian Primorye Region and North Korea. The holotype of *Cortodera transcaspica persica* Plavilstshikov, 1936 is figured. *Judolia dentatofasciata* (Mannerheim, 1852), **nom. rest.** is accepted as valid for the species known before as *J. parallelopeda* (Motschulsky, 1860); type locality – Transbaykalia. *Xylotrechus antilope bitlisiensis* S.Marklund & D.Marklund, 2013, **stat. nov.** originally described from East Turkey as a species, is recorded from Armenia and Azerbaijan. *Dorcadion sareptanum* Kraatz, 1873 is accepted consisting of 4 subspecies: *D. s. sareptanum* Kraatz, 1873 – West Kazakhstan to East Ukraine; *D. s. euxinum* Suvorov, 1915 – West Ciscaucasia northwards Novorossiysk to about Krasnodar and Temryuk; *D. s. kubanicum* Plavilstshikov, 1934 – foothills of North-West Caucasus: Labinsk, Maykop, Khadyzhensk, Armavir, Stavropol, north of Karachaevo-Cherkessia; *D. s. striatiforme* Suvorov, 1913 (lectotype is designated) – south of Stavropol Region (Mineralnye Vody, Pyatigorsk, Kislovodsk); south of Karachaevo-Cherkessia and Kabardino-Balkaria. *Sophronica sundukovi* Danilevsky, 2009 and *Ostedes* (s. str.) *kadleci* Danilevsky, 1992a are recorded from Republic of Korea; a male of *S. sundukovi* is described and figured.

The names introduced as subspecies and variations of one species inside one article before 1961 (Article 45.6.4. of ICZN, 1999) must be accepted as available.

Abbreviations of collections:

MD – author's collection

ZIN – Zoological Institute (Sankt-Petersburg)

ZMM – Zoological Museum of Moscow University

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***Brachyta variabilis* (Gebler, 1817)**

Leptura variabilis Gebler, 1817: 320 – no locality.

Pachyta variabilis, Gebler, 1848: 415 – “Barnaul”, “Salair und im kusnezsk”

Type locality. North-west part of Altay Region – the territory of former Kolyvano-Voskresensk area.

The original description includes 8 color variations designated with numbers without geographical information. But later (Gebler, 1848) about same variations (designated with letters) were localised in “Kolywano-woskresenskischen Hüttenbezirke”: “Häufig auf waldigen Bergen und Thälern; auch um Barnaul; am häufigsten aber um Salair und im kusnezsk.“.

The recent preservation of type specimens are unknown.

***Brachyta variabilis testaceimembris* (Pic, 1916), stat. nov.**

Figs 1-7

Evodinus (s. str.) *variabilis variabilis*, Plavilstshikov, 1915b: 364, part. (including Far East).

Evodinus variabilis var. *testaceimembris* Pic, 1916: 2 - “Sibérie”.

Brachyta variabilis var. *rufimembris* Pic, 1926: 13 - “Sibérie”.

Evodinus (s. str.) *variabilis*, Plavilstshikov, 1936: 192, 516, part. – eastwards to Pacific Ocean.

Brachyta variabilis eurinensis, Tshernyshev & Dubatolov, 2005: 45, 47, 51, part. – including Khabarovsk Region.

Brachyta variabilis scapularis, Danilevsky & Smetana, 2010: 121, part. (including Far East Russia).

Brachyta variabilis variabilis, Danilevsky & Smetana, 2010: 121, part. (including Far East Russia and Korea).

Remark. Holotype (male) of *Evodinus variabilis* var. *testaceimembris* Pic, 1916 (preserved in Pic’s collection in Muséum Nationale d’Histoire Naturelle, Paris) is totally identical to my specimens from near Khabarovsk (Gornyi, 5.7.1990, A.Shadenkov leg.).

Type locality. Far East of Russia, Khabarovsk Region – on the base of comparison of the holotype with exactly labeled specimens.

Elytra yellow with the typical species black design often slightly reduced; longitudinal stripes usually absent; antennae, tibiae

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and tarsi reddish, including specimens with totally black elytra, which are very rare; prothorax relatively wide; elytral punctation regular, moderately dense; abdomen usually partly red; length of available males: 13-15mm, females: 14-18mm.

Materials. Holotype, male with five labels: 1) v. *testaceimembris* Pic; 2) (ex Rolle); 3) type; 4) type [red]; 5) Museum Paris / Coll. M.Pic - Muséum Nationale d'Histoire Naturelle, Paris; holotype of *Brachyta variabilis* var. *rufimembris* Pic, 1926, male with 4 labels: 1) var. *rufimembris* mihi; 2) Sibérie; 3) holotype [red]; 4) Museum Paris / Coll. M.Pic - Muséum Nationale d'Histoire Naturelle; 2 males, 3 females, Khabarovsk Region, Solnechnyi Distr., Gornyi [about 50km NW Komsomolsk-on-Amur], 5.7.1990, A.Shadenkov leg. – MD; 1 male, south of Khabarovsk Region, Sikhote-Alin Ridge, Mt. Tardoki-Yani, 29.6.1980, 1400m, P. Plutenko leg. - Institute of Biology and Soil Sciences of Far Eastern Branch RAS, Vladivostok; 1 male, south of Khabarovsk Region, Grossevichi – ZMM.

Distribution. Russia, south of Khabarovsk Region; three localities are known: Gornyi in Solnechnyi Distr., about 50km NW Komsomolsk-on-Amur; Mt. Tardoki-Yani [48°53'50"N, 138°03'10"E] in Sikhote-Alin Ridge; Grossevichi environs, 47°59'12"N, 139°31'58"E.

***Brachyta variabilis aberrans* (Villiers, 1960), stat. nov.**

Figs 8-9

Evodinus (s. str.) *variabilis*, Plavilstshikov, 1936: 192, 516 – including North Korea; Tamanuki, 1939: 86 – including Sakhalin and Korea; Lee, 1979: 35 – Korea.

Evodinus variabilis var. *aberrans* Villiers, 1960: 6 – “Ussuri”.

Brachyta variabilis, Tsherepanov, 1979: 121, part. – including south of Primorye Region; 1996: 73, part. - including south of Primorye Region.

Brachyta interrogationis, Lee, 1982: 10, Pl. 2 (17); 1987: 27, part., Pl. 3 (22 and 22a).

Brachyta variabilis, Lee, 1982: 10, Pl. 2 (16); 1987: 28, Pl. 3 (23).

Evodinus variabilis, Samoylov, 1936: 225 – south of Primorye Region: Suputinka River, right tributaries of Suyfun River (now Razdolnaya River); Wang, 2003: 125.

Brachyta variabilis eurinensis, Tshernyshev & Dubatolov, 2005: 47, part. – [one point of the areal map is situated in Primorsky Region, though it is not mentioned in the text].

Brachyta variabilis scapularis, Danilevsky & Smetana, 2010: 121, part. (including

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Far East Russia).

Brachyta variabilis variabilis, Danilevsky & Smetana, 2010: 121, part. (including Far East Russia and Korea).

Brachyta variabilis dongbiensis, Shapovalov, 2012a: 475 (misprint – unavailable name), part. – East Siberia and Far East westwards to Amur valley and Nizhnyaya Tunguska; 2012b: 55, part. – Yakutiya, Far East, Sakhalin, probably – North-East China and Korean Peninsula.

Type locality. Russia, south of Primorsky Region (“Ussuri”).

The subspecies is characterized by the often presence of longitudinal black elytral stripes and strokes; elytra can be very light or about totally black; antennae and tibiae usually yellowish, but not reddish (as in *B. v. testaceimembris*); pronotum and elytra with deep, regular punctation; length of male 13.1mm, length of available females: 16.8-18.5mm.

Materials. Only one male (North Korea) and two females (south of Primorsky Region) are available: male, Corea, Tamanuki / Mt. Kambo (=Mt. Gwan-Mo-Bong - 41°42'N, 129°13'E), 18 July 1932 F.Cho – collection of Institute of Biology and Soil Sciences, Vladivostok; female, Russia, Primorsky Region, Lazovsky Natural Reserve, Korpud, 16.7.2005, K.Makarov leg. – collection of M.Lazarev, Moscow; female (black form), Russia, Vladivostok environs, Kangauz (now – bay and river Sukhodol), 2.7.1925 – ZMM.

A black-white picture of elytra was published in the original description. Three color photos were published by Lee (1987) from same locality as available male: a male and a female (Pl. 3: 22 and 22a) identified as *B. interrogationis* and a female (Pl. 3: 23) identified as *B.variabilis*.

Distribution. Russia: only south of Primorye Region. Two localities are definitely known: Sukhodol (bay and river) near Vladivostok and Lazovsky Natural Reserve. According to Samoylov (1936), the taxon is not rare along Suputinka River and along right tributaries of Suyfun River (now Razdolnaya River). North mountains in North Korea near China border: Mt. Gwan-Mo-Bong, 41°42'N, 129°13'E.

Biology. Imagoes were observed (Samoylov, 1936) in June on flowers of *Paeonia obovata* and *Potentilla fragarioides*. *B. v. aberrans* seems to be very rare in Russia, as no Russian specimens are preserved in the collection of Institute of Biology and Soil

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Sciences, Vladivostok, but must be rather abundant in the north part of North Korea.

Cortodera transcaspica persica Plavilstshikov, 1936
Figs 10-11

Cortodera pseudomophlus var. *persica* Plavilstshikov, 1936: 291, 539 – “Astrabad”.
Cortodera persica, Danilevsky, 1987: 617 – Iran.

Cortodera transcaspica, Danilevsky, 1992b: 108, part. (= *persica* Plav.); Özdikmen, 2003: 438, part. (including Iran and Afganistan); Danilevsky & Smetana, 2010: 124, part. (= *persica* Plav.); Miroshnikov, 2013: 449, part. – including Iran.

Cortodera transcaspica persica, Danilevsky, 2012b: 96 – Iran; Ambrus & Grosser, 2013: 465 – Iran: Kohgiluyeh and Boyer Ahmad prov. and Mazandaran prov.

The holotype specimen [ZMM] was missing by Danilevsky (2009b). It was mentioned by Danilevsky (1987).

The holotype (by monotypy), female with 4 labels: 1) Astrabad Staud.; 2) var. *persica* m.; 3) [red, newly printed] HOLOTYPUS, *Cortodera pseudomophlus persica*, var. nov. N.Plavilstshikov det. 1936; 4) *Cortodera transcaspica* Plavilstshikov, 1936; Danilevsky det., 2009.

Judolia dentatofasciata (Mannerheim, 1852), **rest. n.**

Grammoptera dentatofasciata Mannerheim, 1852: 308 – “Dauria”; Motschulsky, 1959a: 571 – “gouvernement de Jakoutsk”; 1859b: 232 – “gouvernement de Jakoutsk”; 1860, part.: 146.

Anoplodera dentato-fasciata, Motschulsky, 1859c: 493 – “environs du fl. Amour, depuis la Schilka jusqu’à Nikolaëvsk”.

Anoplodera parallelpipeda Motschulsky, 1859c: 493 (nomen nudum) – “environs du fl. Amour, depuis la Schilka jusqu’à Nikolaëvsk”.

Grammoptera parallelpipeda Motschulsky, 1860c: 146, part. – “en Daourie et jusqu’aux rives du fl. Amour”; 1875: 143 (published with a misprint: “parallpipeda”), part. – “Commune dans la Daourie méridionale”; Gemminger, 1872: 2873.

Pachyta sexmaculata, Motschulsky, 1860c: 148, part.

Strangalia trifasciata, Blessig, 1873: 252, part.

Grammoptera abbreviata Motschulsky, 1875: 143, part. – “Daourie méridionale”.

Judolia sexmaculata var. *rostiana* Pic, 1902: 19 – “Amour”.

Judolia sexmaculata var. *dentatofasciata*, Jakobson, 1909: 21 – Transbaikalia.

Leptura (Pidonia) shirarakensis Matsumura, 1911: 137 – Sakhalin, “Shiraraka,

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Chipsani, Kusunnai”.

Leptura (Anoplodera) abbreviata, Aurivillius, 1912: 207, part. (secondary omonime); Winkler, 1929: 1157, part.; Plavilstshikov, 1932: 189, part.

Judolia (s. str.) *sexmaculata* ab. *parallelopipeda*, Plavilstshikov, 1915b 107 - Manchuria; Plavilstshikov, 1930: 56 – “in der Mandschurei”.

Judolia (s. str.) *sexmaculata* morpha *parallelopipeda*, Plavilstshikov, 1936: 387, 569 (predominantly in Siberia).

Judolia parallelopipeda, Nakane & K.Ohbayashi, 1957: 51; N.Ohbayashi et al., 2005: 290; N.Ohbayashi, 2007: 396; Danilevsky & Smetana, 2010: 102; Danilevsky, 2012a: 118 (= *dentatofasciata* Mannh.).

Judolia sexmaculata parallelepipeda, Villiers, 1978: 183 (wrong spelling – unavailable name).

Judolia sexmaculata parallelopipeda, Hayashi et al., 1984: 30; Danilevsky, 1998: 54.

Anoplodera longipes, Wang, 2003: 77.

Judolia sexmaculata parallelopipeda, Bartenev, 2009: 101.

Type locality: “Dauria” – Transbaykalia.

The name *Judolia parallelopipeda* (Motschulsky, 1859), accepted as valid by several modern publications (Ohbayashi et al., 2005; Ohbayashi, 2007; Danilevsky & Smetana, 2010; Danilevsky, 2012a) must be changed (Danilevsky, 2010) to the oldest one - *Judolia dentatofasciata* (Mannerheim, 1852) originally published in *Grammoptera* Dej. *J. parallelopipeda* (Motschulsky, 1859) can not be accepted as nomen protectum being in prevailing usage (Art. 23.9.1 of ICZN, 1999) as it has not been used ”in at least 25 works, published by at least 10 authors in the immediately preceding 50 years”.

Xylotrechus antilope bitlisiensis

S.Marklund & D.Marklund, 2013, **stat. nov.**

Figs 21-22

Xylotrechus bitlisiensis S.Marklund & D.Marklund, 2013: 7.

Type locality. Turkey, Bitlis province, 15km NW Mutki.

The taxon was originally described as a species on the base of a single male from Bitlis province in Turkey (“15km NW Mutki”). The holotype differs from European specimens of *X. antilope* (Schoenherr, 1817) by better developed yellow setae areas and convex posterior transverse elytral stripe.

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Among Armenian specimens available at my disposal (8 males and 7 females from near Dilizhan) a part of males are undistinguished from the holotype with very wide yellow elytral areas (Fig. 21), large and dense latero-humeral yellow elytral spots and distinctly convex posterior transverse elytral stripe; several females have just same pubescent characters. Yellow areas of other specimens could be rather small and narrow, with poorly pronounced latero-humeral yellow elytral spots; posterior transverse elytral stripes about always convex, sometimes strait, but never concave as in European specimen. Specimens from North Caucasus (Maykop environs) have narrow elytral stripes and hardly distinguished latero-humeral yellow elytral spots, but posterior transverse elytral stripes are convex as in Armenia or about strait, so populations from North Caucasus look like transitional from European to Armenian.

European populations (including south of West Europe – specimens from Italy and Bulgaria available) really consist of specimens with narrow elytral stripes, reduced latero-humeral yellow elytral spots and concave posterior transverse elytral stripes. Specimens from East Europe (Saratov Region) could be extremely dark with totally absent latero-humeral yellow elytral spots and posterior transverse elytral stripes. Posterior transverse elytral stripes in specimens from Central Russia are always narrow and never convex, but often more or less strait.

So, all characters described as distinguishable (S.Marklund & D.Marklund, 2013) for “*Xylotrechus bitlisiensis*” gradually vary along the area of *X. antilope* from Europe to Asia. *X. antilope bitlisiensis* Marklund & Marklund, 2013, **stat. nov.** is accepted here as a poorly differentiated subspecies distributed in Armenia and East Turkey.

I can not include populations from South Azerbaijan (Talysh area) in *X. a. bitlisiensis*, as specimens from there are more similar to specimens from North Caucasus with hardly visible latero-humeral yellow elytral spots and narrow elytral stripes, though posterior transverse elytral stripes are convex and moderately wide.

Body length in available males of *X. a. bitlisiensis*: 9.5-11.0mm; in females: 9.0-12.5mm.

Materials. *X. a. bitlisiensis*: 5 males, 12 females, Armenia, Dilizhan, 26-27.7.1934, N.Plavilstshikov leg. – ZMM; 1 male, “Caucasus,

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Elisabethpol [now Gyandzha in Azerbaijan], Maljushenco” - ZMM; 1 female, “Elizawetpol, 21.6.02 [1902]” – ZMM.

Distribution. East Turkey; Transcaucasia: Armenia, Central Azerbaijan. Only two localities in Transcaucasia are definitely known: Dilizhan environs in Armenia and Gyndzha environs in Azerbaijan. The taxon must be also distributed in Georgia, though no specimens available.

***Dorcadion (Cribridorcadion) sareptanum* Kraatz, 1873**

Dorcadion sareptanum Kraatz, 1873: 74 – “Sarepta”; “ebenso bei Astrachan; jedenfalls weiter im südlichen Russland verbreitet, wahrscheinlich bis zum Caucasus“.

Type locality. Sarepta in south part of Volgograd city. The treating “Sarepta” as a locality between Volgograd and Kamyshin (Toropov & Milko, 2013) was wrong.

The species is very close to *D. cinerarium* (Fabricius, 1787), females are often undistinguished, as well as certain males with reduced dorsal white elytral stripes and partly reduced humeral stripes (never totally reduced); such males can be very similar to pubescent males of *D. cinerarium*, which can never have dorsal white elytral stripes and usually without distinct humeral stripes; males of *D. sareptanum* are always with pubescent elytra and usually with very distinct dorsal and humeral white elytral stripes; males of *D. cinerarium* are often with glabrous elytra, besides *D. cinerarium* are distinctly bigger inside the area of *D. sareptanum*; females of *D. sareptanum* are usually autochromal – more or less brown, and only in *D. s. ssp. striatiforme* Suv. females are androchromal – totally black; body length in males: 10.2-13.5mm; in females: 10.0-14.8mm.

Distribution. South Russia, East Ukraine and West Kazakhstan.

The species includes 4 subspecies:

ssp. *sareptanum* Kraatz, 1873 – from West Kazakhstan to East Ukraine.

ssp. *euxinum* Suvorov, 1915 – West Ciscaucasia northwards Novorossiysk to about Krasnodar and Temryuk.

ssp. *kubanicum* Plavilstshikov, 1934 – foothills of North-West Caucasus: Labinsk, Maykop, Khadyzhensk, Armavir, Stavropol,

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north of Karachaevo-Cherkessia.

ssp. *striatiforme* Suvorov, 1913 – south of Stavropol Region (Mineralnye Vody, Pyatigorsk, Kislovodsk); south of Karachaevo-Cherkessia and Kabardino-Balkaria.

***Dorcadion (Cribridorcadion) sareptanum sareptanum* Kraatz, 1873**

Dorcadion sareptanum Kraatz, 1873: 74 – “Sarepta”, “ebenso bei Astrachan; jedenfalls weiter im südlichen Russland verbreitet, wahrscheinlich bis zum Caucasus“; Kasatkin & Arzanov, 1997: 64, part. – Rostov Region, Volgograd, Elton.

Dorcadion (Autodorcadion) sareptanum, Plavilstshikov, 1958: 179.

Dorcadion sareptanum sareptanum Danilevsky et al., 2005: 148.

Dorcadion (Cribridorcadion) sareptanum sareptanum, Danilevsky, 2010b: 252; Toropov & Milko, 2013: 12, 46 (a map of the eastern part of the area), part. (including Northern Caucasus).

Type locality. Sarepta in south part of Volgograd city. The treating “Sarepta” as a locality between Volgograd and Kamyshin (Toropov & Milko, 2013) was wrong.

The smallest subspecies; legs and first antennal joint are always more or less reddish; male elytra always with distinct humeral and dorsal white stripes, though dorsal stripes are usually splitted in a row of dots; body length in males: 10.2-11.5mm; in females: 10.0-13.0mm.

Distribution. Russia, known localities are: Volgograd environs; Mikhailovka in Volgograd Region (about 120km northwards the city, 49°46'N, 44°24'E); Golubinskoe in Volgograd Region (about 80km north-westwards the city, 49°05'N, 43°29'E); Elton Lake in Volgograd Region; Saratov environs (a male in the collection of S.Kadlec with the label “Saratov, 14.5.1998, Z.Kletečka leg.”); 70km southwards Rostov-on-Don; Orlovsky environs in Rostov Region (about 70km southwards Volgograd – northwards Manych Depression); Manych in Rostov Region (46°26'N, 42°42'E). Ukraine – one locality known in Donetsk Region: Tatyonovka near Svyatogorsk. Four localities were shown in West Kazakhstan (near Aktyubinsk, near Emba, near Inder Lake, between Uralsk and Inder in Ural River valley) on a map by Toropov & Milko (2013), but without references or any comments.

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According to Plavilstshikov (1958) *D. sareptanum* is known from the south part of Samara Region and eastwards to about Emba river in Kazakhstan.

A locality in Ciscaucasia was published (with photos of specimens) by Toropov & Milko (2013: 46): Privolnoe in Stavropol Region (45°54'N, 41°17'E), but the subspecies attribution of that population is not clear.

***Dorcadion (Cribridorcadion) sareptanum euxinum* Suvorov, 1915** Fig. 12

Dorcadion euxinum Suvorov, 1915: 119 - Novorossiysk.

Dorcadion sareptanum euxinum, Danilevsky et al., 2005: 148, part. (= *kubanicum* Plav.); Danilevsky, 2010c: 216.

Dorcadion cinerarium, Danilevsky, 2010a: 45, part. (= *euxinum* Suv.).

Dorcadion (Cribridorcadion) cinerarium cinerarium, Danilevsky, 2010b: 245, part. (= *euxinum* Suv.).

Type locality. Plains in the north environs of Novorossiysk.

Plavilstshikov (1921: 111; 1931: 64; 1958: 118) proposed to regard *D. euxinum* Suvorov as a synonym of *D. cinerarium* basing on a female wrongly designated by Suvorov as a type of *D. euxinum* Suvorov, but not published.

According to Plavilstshikov (1958: 181) a male-syntype of *Dorcadion euxinum* Suvorov, 1915 (described from Novorossiysk) is a dark specimen of *D. sareptanum* Kraatz, 1873, and a female-syntype is *D. cinerarium* (Fabricius, 1787). In fact that male is a holotype by monotypy, but the specimen is not found up to now. Any way its identification by Plavilstshikov as *D. sareptanum* is definitely correct, as it is clear after the original description.

Now two females of *D. cinerarium* (ZIN – identified as male and female by Suvorov) wrongly designated by Suvorov as types of his *D. euxinum* Suvorov, 1915 are available. Both are not mentioned in the original description. The female designated by Suvorov as male is not the holotype, as it is much bigger (14mm, while the holotype was 11.5mm) and has many different characters.

Plavilstshikov (1958: 181) supposed a wrong geographical attribution of the taxon by Suvorov in the original description. But recently a male of *D. sareptanum* from that area with the label:

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“Krasnodar, Pashkovskaya, 9.5.1928, E. Stepanov leg.” was discovered [ZMM]. It is totally fitting to the original description of *D. euxinum* Suvorov, 1915, but differs a little from the nominative subspecies as well as from *D. sareptanum kubanicum* Plav. A similar male from near Temryuk is known to me after a photo sent to me by M.Smirnov.

A single available male of *D. s. euxinum* differs from the nominative subspecies by relatively dark color, as it was also mentioned by Plavilstshikov (1958: 181) for the holotype. First antennal joint and femora are nearly black. White elytral stripes are relatively wide. It differs from neighbor *D. s. kubanicum* Plav. by same characters as the nominative subspecies, because *D. s. kubanicum* is usually totally black, bigger, males with partly reduced white elytral stripes. Body length of a single available male: 10mm; body length of the holotype: 11.5mm (Suvorov, 1915).

Distribution. Plains in Western Ciscaucasia northwards Novorossiysk to about Krasnodar and Temryuk. Two localities are definitely known: Pashkovskaya near Krasnodar and Temryuk environs.

Dorcadion (Cribridorcadion) sareptanum kubanicum

Plavilstshikov, 1934

Figs 13-14

Dorcadion kubanicum Plavilstshikov, 1934: 120 - “Caucasus bor.: prov. Kuban: Maikop, ...; st. Tichoretzkaja, ...; st. Labinskaja, ...; st. Ladozhskaja”.

Dorcadion (Autodorcadion) kubanicum, Plavilstshikov; 1958: 183, part. – from about Armavir to Black Sea.

Dorcadion sareptanum euxinum, Danilevsky et al., 2005: 148, part. (= *kubanicum* Plav.).

Dorcadion sareptanum kubanicum, Danilevsky, 2010a: 45.

Dorcadion (Cribridorcadion) sareptanum kubanicum, Danilevsky, 2010b: 252.

Dorcadion (Cribridorcadion) sareptanum sareptanum, Danilevsky, 2010b: 252; Toropov & Milko, 2013: 12, 46, part. (including Northern Caucasus).

Type locality. Labinsk environs – on the base of lectotype label (Danilevsky, 2009b).

Big and dark subspecies; antennae and legs usually totally black; elytral white stripes in males more or less reduced; dorsal

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stripes are often distinct only anteriorly, or sometimes totally absent, humeral stripes can be very pale consisting of scattered white setae; body length in males: 10.5-13.5mm; in females: 12.0-14.8mm.

Distribution. Foothills of North-West Caucasus: Labinsk, Maykop, Khadyzhensk, Armavir, Stavropol, north of Karachaevo-Cherkessia (Erken-Shakhar, 45°54'N, 41°17'E).

Several localities (Tichoretzkaja, Ladozhskaja) mentioned by Plavilstshikov (1934) in the original description are definitely not connected with *D. s. kubanicum*, but no specimens are available from there for study.

***Dorcadion (Cribridorcadion) sareptanum striatiforme* Suvorov, 1913**
Fig. 15-19

Dorcadion striatiforme Suvorov, 1913: 73 – “Umgegend von Kislowodsk”.

Dorcadion striatum var. *estriatum* Suvorov, 1913: 73 – “Pjätigorsk”.

Dorcadion (Autodorcadion) striatiforme, Plavilstshikov, 1958: 185 (= *estriatum* Suv.).

Dorcadion kubanicum, Kasatkin & Arzanov, 1997: 64 – Narzan Valley, Kabardino-Balkaria.

Dorcadion sareptanum striatiforme, Danilevsky, 2010a: 44.

Dorcadion (Cribridorcadion) sareptanum striatiforme, Danilevsky, 2010b: 252.

Type locality. Kislovodsk environs.

Dorcadion striatiforme Suv. was described as “*D. striatiforme* (Reitter in litt.)” without good geographical data [“Daselbst kommt noch eine ihr sehr ähnliche Art vor, welche von Reitter als *D. striatiforme* bezeichnet worden ist“], that means: “Umgegend von Kislowodsk”], without indication of used materials and without size data. So, it is impossible to realize the composition of the type series.

A male (ZIN, Fig. 15) with three labels: (1)“Circassia Reitter.”, (2)“*Dorcadion striatiforme* Reitter, in litt. G.Suvorov det.”, (3)“k. G.Suvorova” [in Russian] is designated here as lectotype of *D. striatiforme* Suv.

A male (ZMM, Fig. 16) of *D. sareptanum striatiforme* Suv. from Pyatigorsk similar to the lectotype can be regarded as a representative of the typical population. A series of 5 males of *D. s. striatiforme* Suv. is available [ZMM, Fig. 17] from nearby (“Caucas Bor., Batalpashinsk [now Cherkessk], VII, 912”).

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Several smaller specimens from high mountains of the region are preliminary identified here as *D. sareptanum striatiforme* Suv., though could represent a new subspecies: 3 males, 1 female, Karachaevo-Cherkessia, Verhnyaya Teberda, 1200-1300m, 4.6.1978, B.Zvarič leg. - MD; 1 male, Teberda, 1980, J. Kratochvíl leg. - MD; 1 male, Karachaevo-Cherkessia, Uchkulan env., 18.5.2006, A.Zernov leg. - collection of Moscow Pedagogical University; 1 male from same locality, 22-23.6.1992, D.Kasatkin leg. – collection of D.Kasatkin; 1 male, Karatchaevo-Tcherkessia, Daut canyon, 22.6.1998, D.Kasatkin leg. – collection of D.Kasatkin; 2 males, Kabardino-Balkaria, Tyrnyauz, 1600-2000m, 10.4.1989, M.Danilevsky leg. – MD.

The record (Kasatkin & Arzanov, 1997) for Narzan Valley (Kabardino-Balkaria, about 34km southwards Kislovodsk, Khasaut River Valley) was connected with same taxon.

D. s. striatiforme is a dark form of *D. sareptanum* with black dorsal pubescence in males and females; antennae totally black, legs often reddish; dorsal elytral white stripes absent and totally replaced by velvety-black stripes; humeral white stripes usually very pale; body length in males: 11-13.7mm; body length of a single available female: 12mm.

Distribution. South of Stavropol Region (Mineralnye Vody, Pyatigorsk, Kislovodsk); Karachaevo-Cherkessia (Cherkessk, Verhnyaya Teberda, 1200-1300m, Uchkulan env., 1300m, Daut canyon,) and Kabardino-Balkaria (Narzan Valley; Tyrnyauz, 2000m).

***Sophronica sundukovi* Danilevsky, 2009**

Fig. 20

Sophronica sundukovi Danilevsky, 2009a: 25.

The original description was based on a single female from Lazo environs in Primorye Region of Russia collected on 19.7.2008 by Yu. Sundukov.

Recently a male was collected in Republic of Korea. It is very similar to the female with about same color of all parts of the body, but smaller, pronotum much more black with strongly reduced

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brown areas; pronotal and elytral punctation and pubescence about same; antennae a little longer than body surpassing elytral apex by one apical joint; abdomen black, last abdominal sternite brown, rounded apically; body length – 4.4mm, body width – 1.3mm.

Materials. 1 male, Palrang-ri, Yanggu-gun, 38°13'12"N, 128°4'48"E, 13.5.2011, H.K. Jang leg. – collection of H.K. Jang.

Remark. A holotype of *Sophronica koreana* Gressitt, 1951 preserved in Smithsonian Institution (USNM) [elaphidion.com/default.asp?Action=Show_Types&Single_Type=True&TypeID=1615] differs from both specimens of *S. sundukovi* by dense pronotal punctation, rugose elytral punctation, totally brown prothorax.

***Ostedes* (s. str.) *kadleci* Danilevsky, 1992**
Figs 23-24

Ostedes kadleci Danilevsky, 1992a: 204.

Ostedes (s. str.) *kadleci*, Danilevsky & Smetana: 2010: 210.

The original description was based on a single female from Sokolchi environs in Primorye Region of Russia collected on 1-15.7.1990 by S.Kadlec & I. Vorisek.

Recently two more females were collected in Republic of Korea. Both are very similar to the holotype but more or less darker and a little bigger; body length – 10.0-10.5mm, body width – 3.1-3.5mm.

Materials. 2 females, Osaek-ri, Yangyang-gun, 38°4'12"N, 128°26'24"E, 19.7.2012 and 8.7.2013, H.K. Jang leg. – collection of H.K. Jang and author's collection.

Availability of variations and subspecies described before 1961 in one article.

According to the Article 45.6.4. (ICZN, 1999) the name “is subspecific if first published before 1961 and its author expressly used one of terms “variety” or “form” (including use of the terms “var.”, “forma”, “v.” and “f.”), unless its author also expressly gave it infrasubspecific rank, or the content of the work unambiguously reveals that the name was proposed for an infrasubspecific entity, in which case it is infrasubspecific”.

According to Lingafelter & Nearn (2013): if “the author used “subspecies” for one taxon in addition to his usage of “variation” for another taxon in the same work”. Therefore, his usage of “variant” is unambiguously infrasubspecific.”

According to Lingafelter & Nearn (2013): if “the author used “subspecies” for one taxon in addition to his usage of “variation” for another taxon in the same work”, his usage of “variation” was unambiguously infrasubspecific.

Such a conclusion has no base in ICZN (1999) and can not be accepted. The author, who used “subspecies” and “variation” inside one article could apply both to geographically and morphologically determined populations, but with different level of differentiation.

The acceptance of the opinion by Lingafelter & Nearn (2013) could have further reaching consequences: are available “subspecies” and “variation” published by one author in different publications but contemporary? or in one year? or simply by one author in different years? Do we have to forget all variations by Pic, as he always described subspecies?

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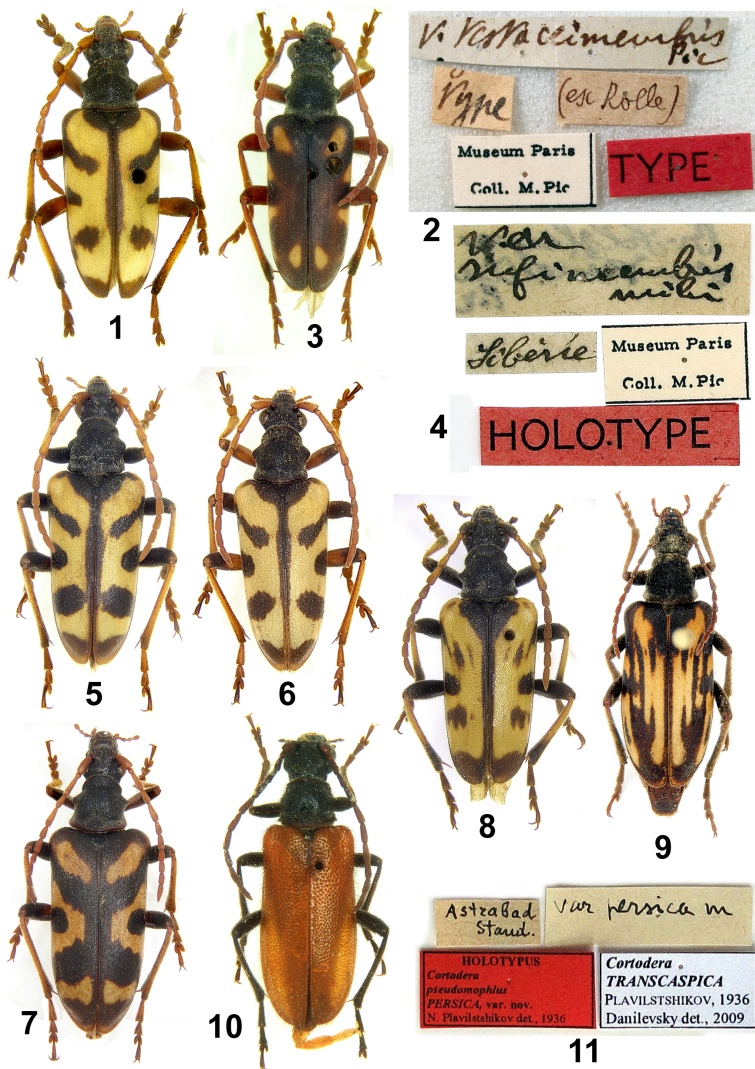
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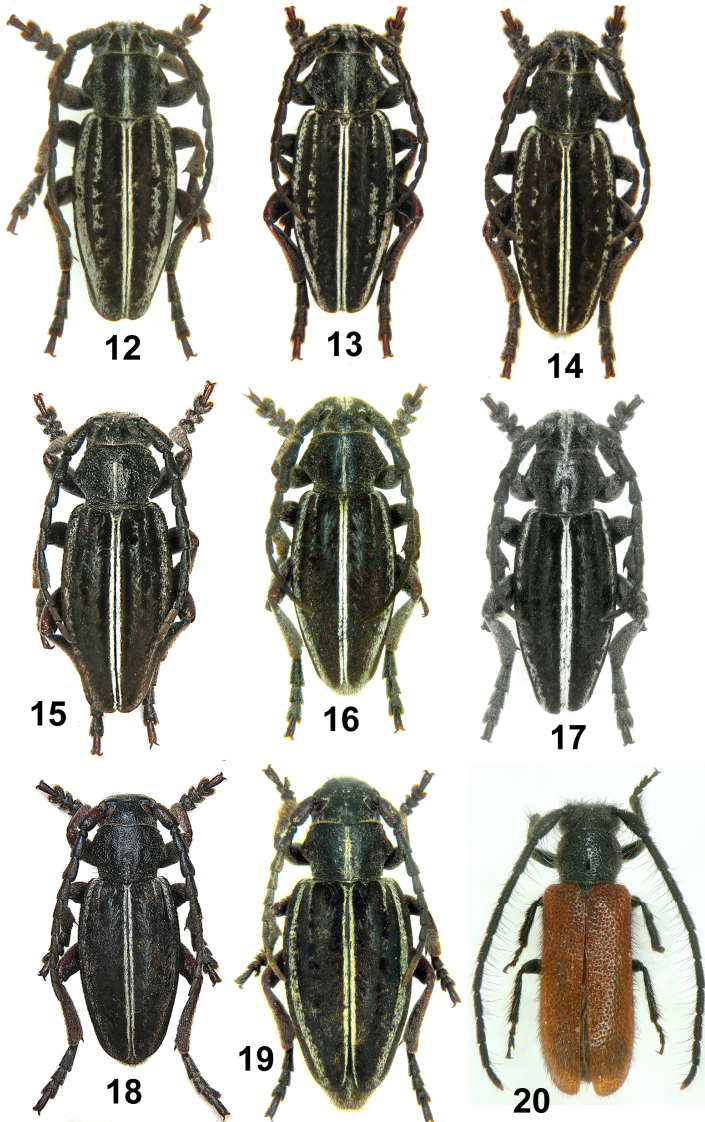
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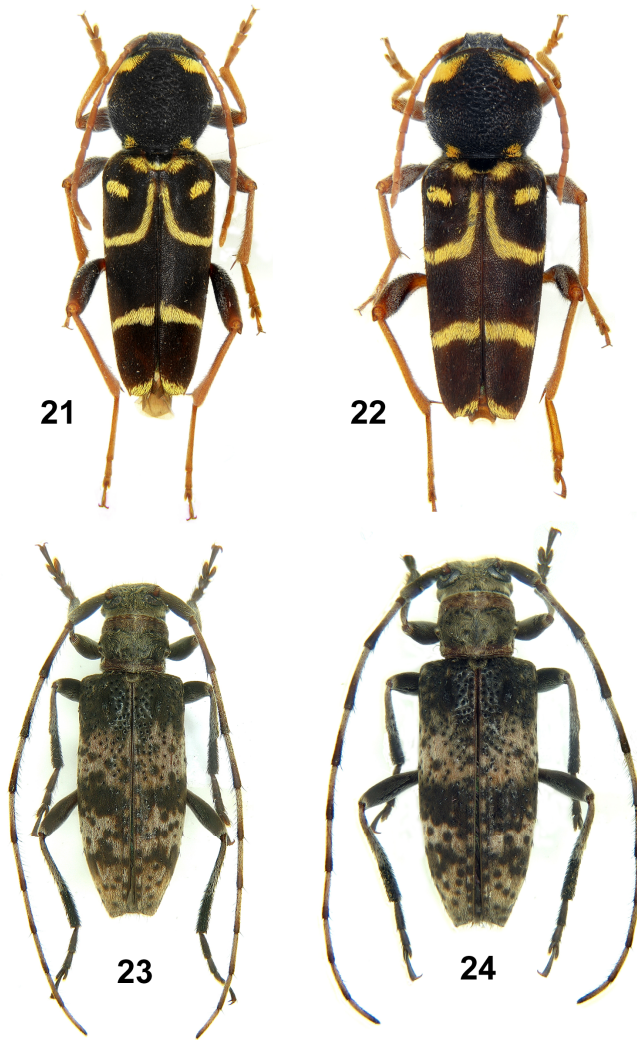
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Figs. 1-7. *Brachyta variabilis testaceimembris* (Pic, 1916): 1 – male, holotype, “Sibérie”; 2 – labels of the holotype; 3 – male, holotype of var. *rufimembris* Pic, 1926, “Sibérie”; 4 – labels of the holotype of var. *rufimembris*; 5-6 – males, Khabarovsk env. 5.7.1990, A.Shadenkov leg.; 7 – female from same locality; **Figs. 8-9.** *B. v. aberrans* (Villiers, 1960): 8 – male, “Corea, Tamanuki, Mt. Kambo, 18 July 1932, F.Cho”; 9 – female, Primorye Region, Lazo env., 16.7.2005, K. Makarov; **Figs 10-11.** *Cortodera transcaspica persica* Plavilstshikov, 1936: 10 – female, holotype of *C. pseudomophlus persica* Plavilstshikov, 1936; 11 – labels of the holotype.



Figs. 12. *Dorcadion sareptanum euxinum* Suvorov, 1915, male, Krasnodar, Pashkovskaya, 9.5.1928, E. Stepanov leg.; **Figs. 13-14.** *Dorcadion sareptanum kubanicum* Plavilstshikov, 1934, males, Maikop 20.4.1946, Stepanov leg.; **Figs 15-19.** *Dorcadion sareptanum striatiforme*: 15 – male, lectotype, “Circassia, Reitter”; 16 – male, Pyatigorsk, 26.4.1903; 17 – male, “Caucas Bor., Batalpashinsk [now Cherkessk], VII, 912”; 18–19 – male and female, Teberda, 1200-1300m, 4.6.1978, B.Zvaric leg.; **Fig. 20** - *Sophronica sundukovi*, male.



Figs 21-22. *Xylotrechus antilope bitlisiensis*, **stat. nov.**: 21 - male, Armenia, Dilizhan, 26-27.7.1934, N.Plavilstshikov leg.; 22 – female with same data; **Figs 23-24.** *Ostedes kadleci*, females: 23 – Republic of Korea, Osaek-ri, Yangyang-gun, 38°4'12"N, 128°26'24"E, 19.7.2012, H.K. Jang leg.; 23 – same locality, 8.7.2013, H.K. Jang leg.

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**Six new Longicorn (Coleoptera, Cerambycidae)
taxa from Russia and adjacent countries**

M.L. Danilevsky

A.N. Severtzov Institute of Ecology and Evolution, Russian Academy of Sciences,
Leninsky prospect 33, Moscow 119071 Russia;
e-mail: danilevskym@rambler.ru, danilevsky@cerambycidae.net

Key words: Coleoptera, Cerambycidae, taxonomy, new taxa, lectotype designation,
South Ossetiya, Tadjhikistan, Kazakhstan, South Europe, Korea, China.

Abstract: *Cortodera alpina gudissensis* **ssp. n.** is described from South Ossetiya. *Pseudovadonia livida setosa* **ssp. n.** is described from South-East Europe. *Acalolepta seunghwani* **sp. n.** close to *A. luxuriosa* (Bates, 1873) is described from Korea and Far East Russia. Lectotype is designated for *Monochamus luxuriosus* Bates, 1873. *Acalolepta ningshanensis*, **sp. n.** is described from South China. *Dorcadion* (s. str.) *ganglbaueri paveli* **ssp. n.** is described from Karatau Ridge in South Kazakhstan. Previously (Danilevsky, 2013) that name was publication as unavailable. *Agapanthia ustinoi* **sp. n.** close to *A. dahli* (Richter, 1821) is described from Tadjhikistan (Pamir, Poshkharv environs).

Abbreviations of collections:

AN – collection of A.Naplov (Riga)

IZAS - Institute of Zoology, Chinese Academy of Sciences,
Beijing, China

MD – author's collection

ZIN – Zoological Institute (Sankt-Petersburg)

ZMM – Zoological Museum of Moscow University

***Cortodera alpina gudissensis* ssp. n.**

Figs 1-3

Type locality. South Ossetiya, Gudissky Ridge, west slope of Mangavtzak Mt., 42°27'8"N, 44°10'51"E, 2900m.

Description. The new taxon is amphigenetic: males and female are known, that is typical for different *C. alpina* (Ménétriés, 1832) from Central and Eastern Caucasus. Males are always with black elytra; females sometimes with brown elytra, but suture is always black, epipleurae light; legs usually totally black, only anterior tibiae can be sometimes lightened, as well as anterior femora internally. The

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nearest western subspecies *C. a. rosti* Pic, 1892 (Elbrus, Teberda) often has males and females with light brown elytra and partly red anterior legs. The eastern nominative subspecies (Dagestan, North Azerbaijan) is also amphygenetic; males and females are usually totally black. Thorax of *C. a. gudissensis* ssp. n. strongly angulated laterally; thorax at middle about as wide as at base and constricted in between; pronotal punctation rather dense with contiguous dots; pronotum with mixed dense erect and semierect setae; smooth pronotal central line often indistinct; elytra are not shining, because of fine microsculpture; elytral bases with several erect setae more numerous in males; body length in males: 8.8-10.5mm, width: 3.0-3.2mm; body length in females: 8.8-11.2mm, width: 3.1-3.7mm.

Distribution. South Ossetiya, Gudissky Ridge, Mangavtzak Mt.

Materials. Holotype, male, South Ossetiya, Gudissky Ridge, west slope of Mangavtzak Mt., 42°27'8"N, 44°10'51"E, 2900m, 24.7.2013, D.Fominykh leg. – MD; 7 paratypes - MD; 1 male and 1 female with same label; 2 males and 3 females, north slope of Mangavtzak Mt., 42°27'47"N, 44°10'45"E, 2800m, 22.7.2013, D.Fominykh leg.

Besides several more specimens were shown to me by D.Fominykh from both localities, but those materials are not available now.

***Pseudovadonia livida setosa* ssp. n.**

Figs 4-5

Leptura livida var. *desbrochersi*, K. Daniel & L. Daniel, 1891: 37, 38, 40, part. - „Armenia (Bitlis), Taurus“, „Tultscha in der Dobrutsch“, „Külele“ (not Pic, 1891: xvi - “Bitlis”; not Plavilstshikov, 1930: 49 – “Borzhom”, “Achzury”, “Adzhikent”; not Danilevsky, 2010: 45 – Transcaucasia, Turkey).

Type locality. Greece, Peloponnese, 21km NNE Sparta, Vamvakou vill., 900m.

Description. The new subspecies is close to the nominative, but can be easily distinguished after the first view by much darker brown elytral color, while in the nominative subspecies elytra generally light-yellow (specimens from Vosges in France, Saxony, Thuringia, Berlin, Harz and Lunz in Austria, Trenčín in Slovakia); pronotal pubescence strongly erect and rather long, longer than in the

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nominative subspecies; elytral pubescence is also longer and never totally recumbent, more or less semi-erect; color of dorsal pubescence can be a little darker (especially in Peloponnese) or a little lighter, but usually darker than in *P. l. livida*; elytral punctation distinctly larger with interspaces narrower than dots; many distinguishing characters of *P. l. setosa* **ssp. n.** are a little different in different populations from all over its vast area (proportions of head, prothorax and elytra; longer or shorter genae; relative length of certain antennal joints; relative number of specimens with red abdomen and partly lightened legs) but strong development of long and dense dorsal erect pubescence is rather constant; legs are totally black, never reddish, sometimes anterior tibiae yellowish, middle tibiae are often yellowish in Bulgaria; abdomen usually black, but in females from South Turkey and from Moldavia - reddish. Body length in males: 6.5-8.5mm, body width: 2.1-2.8mm; body length in females: 6.2-8.5mm; width: 2.1-2.7mm.

Note. The new subspecies was adequately delimited and described by K. Daniel & L. Daniel (1891) as strongly pubescent variation: “Eine dritte, auf dem Halsschild und zum Teil auch auf den Flügeldecken und Unterseite sehr lang und rauh behaarte Form scheint ausschließlich dem Osten anzugehören.“ But the authors used a wrong name (*desbrochersi* Pic, 1891), which was originally proposed by Pic (1891: xvi) for specimens with red legs: „Abdomen et pattes rouges“. K. Daniel & L. Daniel (1891) included Romanian (“Tultscha”) and West-Anatolien (“Bozdagh”) specimens as rather typical in their “rauh behaarte Form”.

Further delimitation of the new taxon in small local subspecies is desirable.

Materials. Holotype, male, Greece, Peloponnese, 21km NNE Sparta, Vamvakou vill., 900m, 29.5.2010, A.Napolov & I.Roma leg. – MD. Paratypes: 4 males, Greece, Peloponnese, 25km NNE Sparta, Varvitsa vill., 1060m, 29.5.2010, A.Napolov & I.Roma leg. – AN; 1 female, with same data – MD; 1 female, Greece, Peloponnese, 19km NNE Sparta, Megali Vrysi vill., 900m, 29.5.2010, A.Napolov & I.Roma leg. – AN; 9 males, 1 female, Greece, Peloponnese, 20km N Sparta, 4-6km SWW Karyes, 870m, 24.5.2010 and 28.5.2010, A.Napolov & I.Roma leg. – AN; 3 males, Greece, Peloponnese,

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Mani Peninsula, 10km SW Gythio, Karyoupoli, 100m, 22.5.2010, A.Napolov & I.Roma leg. – AN; 11 males, 2 females, Fthiotida, 40km SE Lamia, Tithorea vill., 500m, 17.5.2010, A.Napolov & I.Roma leg. – AN; 1 male, Greece, 25km NW Trikala, Kastraki vill., 260m, 16.5.2010, A.Napolov & I.Roma leg. – AN; 1 male, 1 female, Greece, Oriental Macedonia, Granitis, 41°17'22"N, 23°55'49"E, 800m, 30.5.1981, J. & M. Slama leg. - MD; 1 male, 1 females, "Greece, Peloponnes, westl. Sparti, Mistras/Ruine, reg. camp., 12-23.5.1992, A.Korell leg." - MD; 1 male, Bulgaria, Dulovo, 5.7.1986, V.Sakalyan leg.– MD; 2 males, Bulgaria, Karakuz, 4-5.7.1986, V.Sakalyan leg. – MD; 5 males, Bulgaria, 105 km S Sofia, 5-10km E Kresna vill., 450-650m, 12.5.2010, A.Napolov & I.Roma leg. – AN; 1 female, Bulgaria, E Stroumeshnitsa vill., 41°23'N, 23°03'E, 170m, 16.6.2009, T. Ljubomirov leg. – MD; 3 males, 3 females, Bulgaria, Lozenska Planina Mtn., SE German vill., 700m, 17.6.2004, T. Ljubomirov leg. – MD; 1 male, Bulgaria, Lozenska Planina Mtn., NW Passarel vill., 820m, 6.7.2004, T. Ljubomirov leg. – MD; 1 male, Bulgaria, Black Sea coast, W Ambelitis cape, 10m, 22.6.2005, T. Ljubomirov leg. – MD; 3 males, 1 female, Bulgaria, Strouma valley, NE Zheleznitsa vill., 41°55'N, 23°06'E, 470m, 1.6.2009, T. Ljubomirov leg. – MD; 1 male, Bulgaria, Strouma valley, W Kressnesko, Hantche inn., 41°47'N, 23°09'E, 290m, 1.6.2009, T. Ljubomirov leg. – MD; 1 male, Bulgaria, Strouma valley, SW Zemen, 42°28'N, 22°44'E, 600m, 13.7.2006, T. Ljubomirov leg. – MD; 1 female, Bulgaria, Stara Planina Mts., Novatchene vill., 42°58'N, 23°43'E, 330m, 7.6.2009, T. Ljubomirov leg. – MD; 2 males, 2 females, Bulgaria, Maleshevska Planina Mtn., NW Gorna Breznitsa vill., 41°45'N, 23°06'E, 490m, 1.6.2009, T. Ljubomirov leg. – MD; 5 males, 4 females, Turkey, Taurus, Kemer distr. Beldibi, 36°44'N, 30°33'E, 13-21.5.2008, A.A. Safronov leg. - MD; 1 male, Turkey, İçel, 13km N Erdemli, İlemin vill., 620-700m, 5.6.2011, A.Napolov & I.Roma leg. – AN; 1 male, 1 female, Moldavia, Bendery, 6.7.1984, V. Korolev leg. – MD; 1 female, Bessarabia 18.VI.911 from Zhikharev - ZMM.

Distribution. Greece, Bulgaria, Romania, Moldavia, South-East Ukraine (Odessa environs); Turkey from European part to about Antalya at least, but most probably far further eastwards. Another

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subspecies occurs in Turkish areas near Caucasus, which is not delimited yet from East-European *P.v.bicarinata* (Arnold).

***Acalolepta seunghwani* sp. n.**

Figs 6-8

Acalolepta luxuriosa, Lee, 1982: 57, Pl. 7, 147; 1987: 164, Pl. 20, 220; Hua, 2002: 190, part. - "China: Jilin, N. China, Hubei, Hunan, Guizhou, Sichuan; Former USSR, Korea, Japan"; Hubweber et al., 2010: 275, part. – China: Guizhou, Hubei, Hunan, Jilin, Sichuan; North and South Korea; Far East Russia, Japan.

Type locality. Republic of Korea, Mt.Myeongseong-san, Cheorwon-gan, 38°6'36"N, 127°21'E, 600m.

Description. The new species is close to *A. luxuriosa* (Bates, 1873) (Fig. 9-10), distributed in Japan and replaces it in Russia and Korea. Body black, including legs and antennae, but antennae often brownish in distal half; in *A. luxuriosa* body brown with reddish antennae; pronotal punctation bigger and denser; elytra strongly tapering posteriorly in males and distinctly tapering posteriorly in females, while male elytra in *A. luxuriosa* slightly tapering posteriorly and about parallelsided in females; strongly granulated anteriorly in males, with scattered small granules in *A. luxuriosa*; small males without granulation; elytral costae very distinct, hardly visible in *A. luxuriosa*; body length of available males: 17-34mm, body width: 5.3-11mm; body length of available females: 23-35mm, body width: 7.2-10.8mm. The length of a male collected in Russian Primorye Region: 35mm, width: 11mm (personal message by S.Ivanov, 2013). The maximal published (Lee, 1987) length of the species: 36mm.

Materials. Holotype, male, Republic of Korea, Mt. Myeongseong-san, Cheorwon-gan, 38°6'36"N, 127°21'E, 600m, 8.7.2012, S.H.Oh leg. – MD; paratypes, 16 males and 8 females; 5 males and 2 females from same locality, S.H.Oh leg. – collection of S.H.Oh and MD [male and female - 24.7.2010]: 2 males and 2 females - 24.7.2010, 1 male - 10.7.2011, 1 male - 22.7.2011, 1 male - 19.8.2011; 6 males and 4 females, Republic of Korea, Munhye-ri, Cheorwon-gan, 38°10'12"N, 127°22'12"E, 460m, S.H.Oh leg.; 3 males and 1 female

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- 18.7.2010 - collection of S.H.Oh and MD [2males]; male and female - 22.7.2010 - collection of S.H.Oh; male - 8.8.2010, MD; female - 19.7.2010 - MD; male and female - 20.7.2011 - collection of S.H.Oh and MD; 2 males and 2 females, Republic of Korea, Mt. Gandeok-san, Cheorwon-gan, 38°9'36"N, 127°26'24"E, 550m, 18.8.2010, 21.7. and 18-20.8.2011, S.H.Oh leg. - collection of S.H.Oh; 1 male, Republic of Korea, Mt. Hae-san, Hwacheon-gan, 38°10'48"N, 127°47'24"E, 1040m, 20.7.2010, S.H.Oh leg. - collection of S.H.Oh; 1 male, Republic of Korea, Osaek-ri, Yangyang-gan, 38° 4'12"N, 128°29'24"E, 350m, 25.7.2012, S.H.Oh leg. - collection of S.H.Oh.

1 male, Russia, Primorye Region, about 5km N Anisimovka, Falaza Mt. (or Litovka Mt.), 43°7'30"N, 132°47'44", 480m, 15.8.2013. K.M. Prokopenko leg. - collection of S.Ivanov, Vladivostok [on the base of photo and personal message by S. Ivanov]. The specimen is illustrated in <http://www.zin.ru/animalia/coleoptera/rus/acaluxsi.htm>

Nine specimens of *Acalolepta luxuriosa* were used for comparison: 5 males and 4 females, Russia, Kunashir Is., Alyokhino, 3.8.1985, M.Danilevsky leg.

Biology. According to S.H.Oh (personal message, 2013) in Korea the beetles were found on trunks and branches (Fig. 8) of *Aralia elata* from the end of June to early September at 4pm to 10pm, but not attracting to light. They are most active feeding and mating after sunset (6pm-8pm).

All my specimens of *Acalolepta luxuriosa* were collected from *Kalopanax septemlobus* on Kunashir Island.

Distribution. Korean Peninsula, North China and Far East Russia; several localities are exactly known in the north part of Republic of Korea: Mt. Myeongseong-san, Cheorwon-gan, 38°6'36"N, 127°21'E, 600m; Munhye-ri, Cheorwon-gan, 38°10'12"N, 127°22'12"E, 460m; Mt. Gandeok-san, Cheorwon-gan, 38°9'36"N, 127°26'24"E, 550m; Mt. Hae-san, Hwacheon-gan, 38°10'48"N, 127°47'24"E, 1040m; Osaek-ri, Yangyang-gan, 38° 4'12"N, 128°29'24"E.

Only one locality is known in Russia: Primorye Region, about 5km N Anisimovka, Falaza Mt. (or Litovka Mt.), 43°7'30"N, 132°47'44", 480m.

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The records of *A. luxuriosa* from Chinese Jilin (Hua, 2002) must be connected with *A. seunghwani* sp. n.

Remark. *A. luxuriosa* (Bates, 1873: 309) was described (as *Monohammus luxuriosus*) from Japan on the base of “Several examples. Found also in Northern China”. ”. A photo of one male-syntype was sent to me by Dr. M.Barclay from The Natural History Museum, London. It has 4 labels: 1) Type [white circle with red ring], 2) Nagasaki, Japan, 3) Pascoe Coll. 93-60, 4) *Monochamus luxuriosus* Bates. That specimen is designated here as lectotype. So, the type locality of the species is situated in Nagasaki environs.

***Acalolepta ningshanensis* sp. n.**

Figs 14-18.

Dihammus luxuriosus, Gressitt, 1951: 397, 401, part.; Plavilstshikov, 1958: 532, part.

Acalolepta luxuriosa, Hua, 2002: 190, part. - “China: Jilin, N. China, Hubei, Hunan, Guizhou, Sichuan; Former USSR, Korea, Japan”; Hubweber et al., 2010: 275, part. – China: Guizhou, Hubei, Hunan, Sichuan; North and South Korea; Far East Russia, Japan.

Type locality. China, Shaanxi, Ningshan, Huoditang.

Description. The species is very close to *A. seunghwani* sp. n. described above; body stronger tapering posteriorly, with much longer male antennae - about 2.5 times longer, than body, while in males of *A. seunghwani* sp. n. antennae just a little more than 2 times longer than body; antennae light brown; appendage of 11th antennal joint in males looks like 12th joint, indistinct in *A. seunghwani* sp. n.; pronotal punctation less dense, than in *A. seunghwani* sp. n.; elytral punctation scattered, but bigger, very distinct near elytral apex, while in *A. seunghwani* sp. n. elytral punctation indistinct near apex; elytral pubescence longer and dense; body length in available males: 34.0-36.0mm, in females: 29.0-39.0mm; body width in available males: 11.0-12.0mm; in females: 8.7-12.4mm.

Materials. Holotype, male, China, Shaanxi, Ningshan, Huoditang, 1.9.1980, Zhongning Hu leg. – IZAS; 5 paratypes – IZAS: 1 female, China, Shaanxi, Ningshan, Huoditang, 1550m, 8.6.2008, Wenzhu Li leg.; 1 female, China, Hubei, Shennongjia, Sangluo, 920m, 1.9.1981, Yinheng Hang leg.; 1 male, China, Sichuan, Chongzhou city,

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Chongqing County, 26.7.1981, Xiangyun Huang leg.; 1 female with same label; 1 male, China, Yunnan, Chenggong, 28.3.1975.

Distribution. South China, several localities are known from Shaanxi, Hubei, Sichuan and Yunnan. Most probably the records of *A. luxuriosa* from Guizhou (Hua, 2002) are connected with *A. ningshanensis*, **sp. n.**

***Dorcadion* (s. str.) *ganglbaueri paveli* ssp. n.**

Dorcadion (s. str.) *ganglbaueri paveli* Danilevsky, 2013: 437 – not available name.

The name introduced as new (Danilevsky, 2013) can not be accepted as available because the location of the types was not published. Dr. G. Tavakilian kindly pointed my attention to that unfortunate deficiency. So, the taxon is shortly described once more below.

Description. Two males available (Danilevsky, 2013: Figs. 23-24); the new subspecies is characterized by well developed external dorsal elytral white stripes, which are usually partly or totally absent in populations traditionally regarded as nominative; body length: 17.0mm (paratype) and 22.5mm (holotype); body width: 5.8mm (paratype) and 7.4mm (holotype).

Materials. Holotype, male, Kazakhstan, north of Karatau Ridge, 40km NE Yanakurgan, Zhideli River, 44°10'42"N, 67°38'6"E, 434m, 10.5.2012, A.Ivanov leg. - MD; 1 paratype, male, Kazakhstan, north of Karatau Ridge, 20km N Igelik, Kurkol River, 43°47'N, 68°3'14"E, 543m, 12.5.2010; A.Ivanov leg. – MD.

***Agapanthia ustinovi* sp. n.**

Figs 11-13

Type locality. Tadzhikistan, Pamir, Poskharv environs, 1600m, 38°24'1"N, 71° 9'18"E.

Description. Body big, black with reddish basal parts of antennal joints 3rd–12th; pale body pubescence yellow, numerous long erect black setae present; genae long, but shorter than ventral eye lobe; vertex shining behind dorsal eye lobes with black erect setae only, with narrow line of recumbent yellow pubescence in between;

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antennae surpassing elytral apex by 6 joints in males, or by 4 joints in females; reddish color of basal parts of 3rd–12th joints relatively dark and here joints are covered with fine white pubescence; setae tufts of 3rd joint long and dense; 3rd joint is the longest, much longer than 4th and longer than 1st; prothorax transverse, widened basally, about 1.3 times shorter than basal width, a little wider in females; pronotum shining, with very dense, small, partly conjugated punctation, with bright yellow central setae stripe; scutellum transverse with dense yellow pubescence; elytra about 2.9. times longer than wide in males and about 2.7 times in females; relatively dark because of small scattered patches of yellow pubescence; humeral grey line absent, its poor rudiments can be seen near elytral apex; long black erect elytral setae are rather numerous to about middle, becoming short and scattered posteriorly; elytral apices narrowly rounded; abdomen with fine dense recumbent yellow pubescence and numerous small glabrous spots; apical abdominal segments in males and in females slightly emarginated; body length in males: 15.8-17.0mm; in females: 17.6-18.0mm; body width in males: 4.3-4.4mm; in females: 4.8-4.9mm.

Remark. The new species belongs to *A. dahli*-group because of strong development of antennal tufts. Recently (Lazarev, 2013) several taxa of the group distributed in Central Asia and traditionally regarded as species were declared as subspecies: *A. d. transcaspica* Pic, 1900, *A. d. alexandris* Pic, 1901; *A. dahli muellneri* Reitter, 1898. *A. ustinovii* **sp. n.** differs from very close *A. d. muellneri* Reitter, 1898 by wider prothorax, by the absence of grey humeral elytral stripes, by denser elytral pubescence (intermediate between rather dark *A. d. muellneri* and very bright *A. d. alexandris*, but closer to the first), by much thinner antennae with less developed setae tufts of 3rd joints. *A. transcaspica* has similarly thin antennae, wide prothorax and no humeral elytral stripes, but body pubescence is very dense and bright; antennal setae tufts and elytral erect setae poorly developed.

Materials. Holotype, male, Tadzhikistan, Pamir, Poshkharv environs, 1600m, 38°24'1"N, 71° 9'18"E, 15-17.5.2013, V. Ustinov leg. - MD; 4 paratypes (2 males and 2 females) with same labels – one pair in author's collection and one pair in collection of

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V.Ustinov, Moscow.

Distribution. Only one locality known: Tadzhikistan, Pamir, Poshkharv environs, 1600m, 38°24'1"N, 71° 9'18"E (Fig. 13).

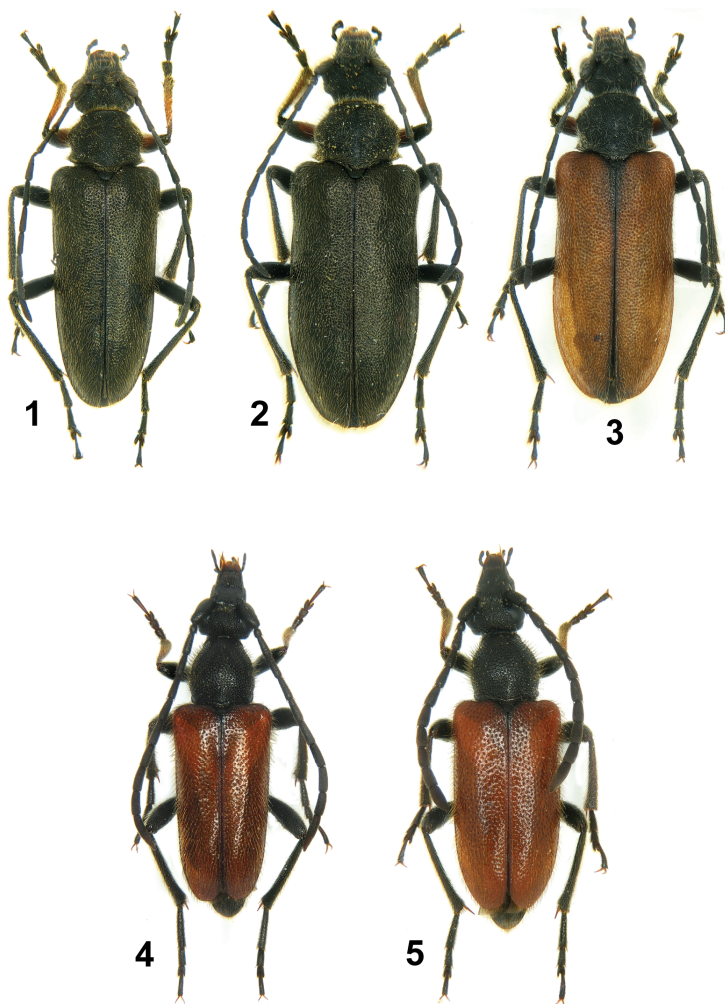
Biology. All specimens were collected on *Malva* sp., which is a usual food plant of Central Asian species *A. dahli*-group.

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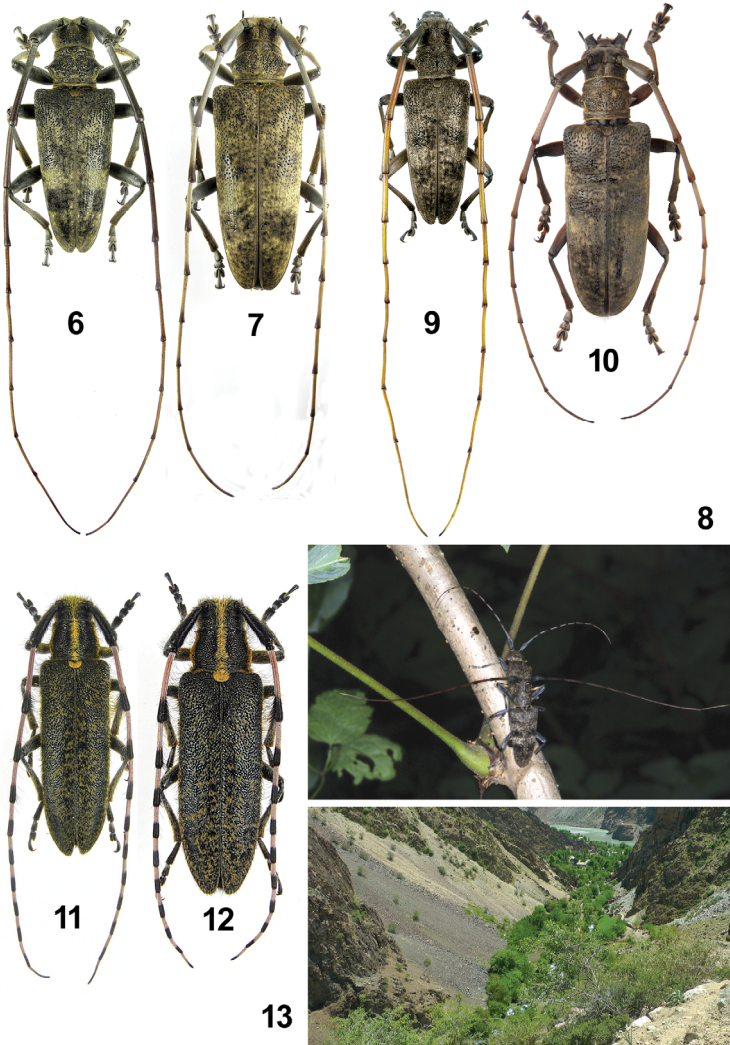
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Figs 1-3. *Cortodera alpina gudissensis* **ssp. n.:** 1 – holotype, male; 2-3 – paratypes, females.

Figs 4-5. *Pseudovadonia livida setosa* **ssp. n.:** 4 – holotype, male, Greece, Peloponnese, 21km NNE Sparta, Vamvakou vill., 900m, 29.5.2010, A.Napolov & I.Roma leg.; 5 – paratype, female, same locality.

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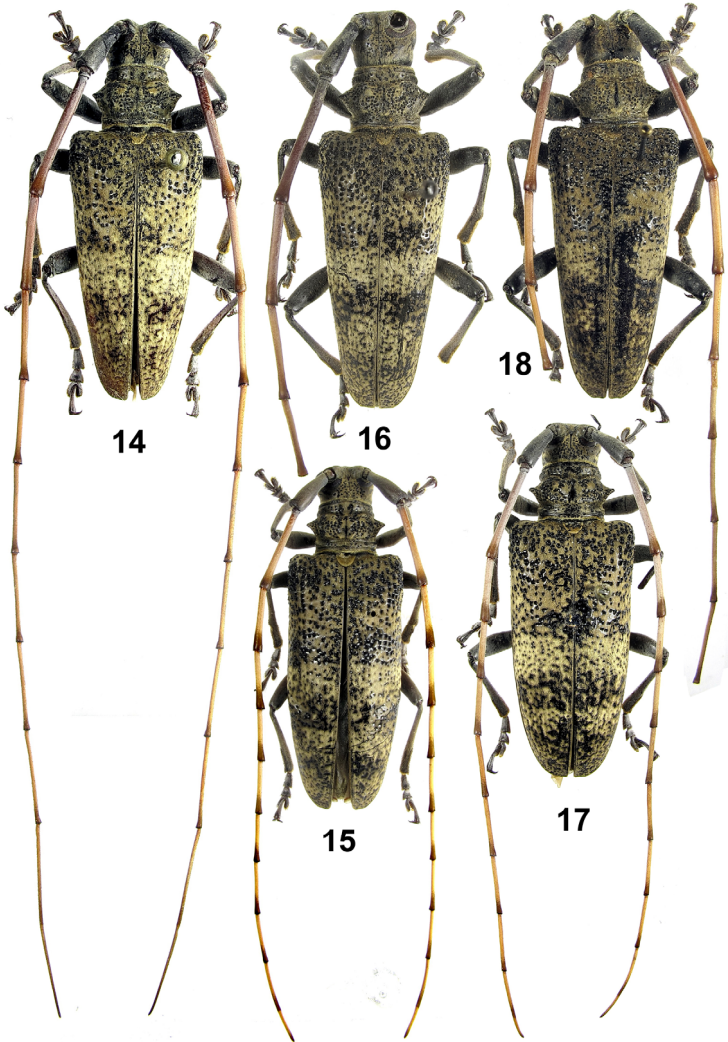


Figs 6-8. *Acalolepta seunghwani* sp. n.: 6 - holotype, male, Republic of Korea, Mt. Myeongseong-san, Cheorwon-gan, 38°6'36"N, 127°21'E, 600m, 8.7.2012, S.H.Oh leg.; 7 - paratype, female, Republic of Korea, Munhye-ri, Cheorwon-gan, 38°10'12"N, 127°22'12" E, 460m, 19.7.2010, S.H.Oh leg.; 8 - mating pair, same locality, 18.7.2010 - photo by S.H.Oh.

Figs 9-10. *Acalolepta luxuriosa*, male and female, Russia, Kunashir Is., Alyokhino, 3.8.1985, M.Danilevsky leg.

Figs 11-12. *Agapanthia ustinovi* sp. n.: 11 - holotype, male; 12 - paratype, female.

Fig. 13. Locality of *A. ustinovi* sp. n.: Pamir, Poskharv environs, 1600m, 38°24'1"N, 71°9'18"E - photo by V.Ustinov.



Figs 14-17. *Acalolepta ningshanensis*, sp. n.: 14 - holotype, male, China, Shaanxi, Ningshan, Huoditang, 1.9.1980, Zhongning Hu leg.; 15 - paratype, female, same locality, 1550m, 8.6.2008, Wenzhu Li leg.; 16 - paratype, male, China, Sichuan, Chongzhou city, Chongqing County, 26.7.1981, Xiangyun Huang leg.; 17 - female, China, Hubei, Shennongjia, Sangluo, 920m 1.9.1981, Yinheng Hang leg.; 18 - male, China, Yunnan, Chenggong, 28.3.1975.

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Методологические аспекты перехода от парадигм обучения к парадигме самообразования

Е.П. Иванова

Московский Педагогический Государственный Университет

119991, Москва, ул. Малая Пироговская, д.1

Moscow State Pedagogical University

Malaya Pirogovskaya str. 1, Moscow, 119991 Russia; e-mail: info@info.com

Ключевые слова: виды парадигм, парадигма обучения, парадигма самообразования, особенности парадигмы профессионального самообразования в вузе, дидактический комплекс самообразования.

Key words: kinds of paradigms, training paradigm, self-education paradigm, peculiarity of self-education paradigm at a higher school, didactical complex of selfeducation.

Резюме: В статье обосновывается парадигма самообразования в сопоставлении с частными и локальными педагогическими парадигмами. В качестве методологических основ парадигмы самообразования рассматриваются ее историческая преемственность, информационная направленность и реализация в атрибутах обучения.

Abstract: The article settles the self-education paradigm in comparison with particular and local pedagogical paradigms. Historical succession, information trend and realization in attributes of training are considered as a methodological basis of self-education paradigm.

[Ivanova E.P. Methodological aspects of transition from training to selfeducation paradigms]

[Текст статьи]

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Ivanova Ekaterina Pavlovna

Ph.D., professor of the Faculty of Philosophy

Methodological aspects of transition from training to selfeducation paradigms

E.P. Ivanova

Moscow State Pedagogical University

Malaya Pirogovskaya str. 1, Moscow, 119991 Russia

E-mail: info@info.com

Key words: kinds of paradigms, training paradigm, self-education paradigm, peculiarity of self-education paradigm at a higher school, didactical complex of selfeducation.

Abstract: The article settles the self-education paradigm in comparison with particular and local pedagogical paradigms. Historical succession, information trend and realization in attributes of training are considered as a methodological basis of self-education paradigm.

[Text of article]

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