

Ptinidae, Bostrichidae and Endecatomiidae (Coleoptera: Bostrichoidea) from Aldo Olexa's collection

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Abstract. A list of species from families Ptinidae, Bostrichidae and Endecatomiidae (Coleoptera) from the collection of a well-known entomologist-coleopterologist, specialist in family Histeridae and very good collector and expert in other families of Coleoptera, especially xylophagous species, Aldo Olexa, is presented. Five new species - *Hedobia olexai* sp. nov. (Georgia), *Cacotemnus aldai* sp. nov. (Kazakhstan), *C. caucasicus* sp. nov. (Russia, Caucasus), *Priobium suturalis* sp. nov. (Vietnam) and *Neoxyletinus fulvobrunneus* sp. nov. (Vietnam) are described. The Olexa's collection contains 77 species (606 specimens) of Ptinidae, 33 species (201 specimens) of Bostrichidae and 1 species (17 specimens) of Endecatomiidae. 18 specimens have not yet been identified (from genera *Lasioderma*, *Mesocoelopus* and *Stagetus*). New records extending the known geographical distribution are published for the following species: *Hyperisus caucasicum* (Logvinovkiy, 1977) - Georgia; *Ochina (Dulgieris) latreillii* (Bonelli, 1812) - Georgia; *Hemicoelus rufipennis* (Duftschmid, 1825) - Russia; *Oligomerus retowskii* Schilsky, 1898 - Bulgaria; *Gastrallus immarginatus* (P. W. J. Müller, 1821) - Bulgaria; *Gastrallus laevigatus* (Olivier, 1790); *Hadrobregmus denticollis* (Creutzer in Panzer, 1796) - Bulgaria; *Hadrobregmus pertinax* (Linnaeus, 1758) - Bulgaria; *Priartobium serrifunus* Reitter, 1901 - Bulgaria; *Stegobium paniceum* (Linnaeus, 1758) - Kyrgyzstan; *Ptilinus fuscus* (Geoffroy in Fourcroy, 1775) - Uzbekistan; *Ptilinus longicornis* Toskina, 1995 - Georgia; *Yunnanobium longicorne* (Pic, 1907) - Vietnam; *Lasioderma kiesenwetteri* Schilsky, 1899 - Bulgaria; *Neoxyletinus angustatus* (Pic, 1907) - Vietnam; *Neoxyletinus sikkimensis* Español, 1983; *Mesothes ferrugineus* (Mulsant et Rey, 1861) - Russia; *Caenocara affine* (Sturm, 1837) - Georgia; *Rhyzopertha dominica* (Fabricius, 1792) - Bulgaria, Kazakhstan; *Calopertha truncata* (Ancey, 1881) - Sudan; *Lyctus linearis* (Goeze, 1777) - Tadzhikistan.

INTRODUCTION

The family Ptinidae currently contains almost 3 thousand species, roughly 600 of them living in the Palaearctic region (Borowski 2007a; Zahradník 2007). The family Bostrichidae contains almost 600 species (Borowski & Węgrzynowicz 2007), more than 160 in the Palaearctic region (Borowski 2007b). Small family Endecatomiidae contains only 4 species, 2 of them being known from the Palaearctic Region (Zahradník 2006). The collection of the well-known Czech entomologist Aldo Olexa (Praha, Czech Republic; *4. 7. 1927- †16. 3. 2009) contains many species from his collection trips to former Czechoslovakia, etc. North Africa and Central Asia, undertaken especially between 1972 and 1992. His collection includes 77 species (606 specimens) of Ptinidae, 33 species (201 specimens) of Bostrichidae and 1 species (17 specimens) of Endecatomiidae. 18 specimens have not yet been identified (from the genera *Lasioderma*, *Mesocoelopus* and *Stagetus*).

Genus *Hedobia* Dejean, 1821 includes 5 species - 3 from China, 1 from Europe (including Turkey and Caucasus) and 1 from Caucasus and neighbouring countries (Logvinovkiy 1985; Zahradník 2007). Some very similar species from Arabian Peninsula are described in the genus *Clada* Pascoe, 1887. The validity of these two genera should be studied or some species should be removed from particular genera.

Genus *Cacotemnus* LeConte, 1861 contains 7 species in the Palaearctic Region (other 4 species living in the Nearctic Region). Logvinovskiy (1985) gave key to the identification of 3 species from that time. Toskina (2004) described other 4 species and gave a complete key to these species (including 2 other species - *C. albidus* Toskina, 1976 and *C. captiosus* Toskina, 1976 - which

were synonymized before and still are only synonymous to *C. rufipes* - Zahradník, 2007).

Genus *Priobium* Motschulsky, 1845 includes 2 species the Oriental Region - *P. brevipennis* (Pic, 1901) in Ceylon, and *P. luteopilosum* Pic, 1901 in India (Pic 1901). The genus has not yet been completely treated.

Genus *Neoxyletinus* Español, 1983 includes 6 species known from the zone between the Palearctic and Oriental Regions (southwest China, northeast India, Nepal, Bhutan, Vietnam) now. Keys to these species were given by Español (1983) with addition of one new species by Zahradník (1995).

MATERIAL AND METHODS

All specimens were identified or reviewed by the author, and are currently deposited in the author's collection and collections of JHAC, NHMB. Locality labels are used in unified style. On each pin below the card with the beetle and locality label, there is a label with the following text: "coll. A. Olexa". Basic sources of the distribution were the works by Borowski 2007b and Zahradník 2006, 2007.

Acronyms used:

JHAC - private collection of Jiří Háva, Únětice u Prahy, Czech Republic.

NHMB - Naturhistorisches Museum Basel, Switzerland.

RESULTS

Ptinidae Eucradinae Hedobiini

Hedobia pubescens (Olivier, 1790)

Material examined. Moravia, Brno, v.1954, Krupka lgt., 1 ex.; Moravia, Břeclav, v.1968, J. Hladil lgt., 1 ex.; Slovakia, Čabrad, v.1958, A. Olexa lgt., 1 ex.; Slovakia, Plešivec, v.1960, A. Olexa lgt., 1 ex.; Slovakia, Plešivec, vi.1962, A. Olexa lgt., 6 ex.; Slovakia, Trenčín, Čepelák lgt., 1 ex.; Slovakia, Zvolen, v.1956, A. Olexa lgt., 1 ex.

Hedobia olexai sp. nov.

(Figs. 1-3)

Type material. Holotype (♂): Georgia, Ananure, v.1973. Allotype (♀): the same data as holotype. Paratypes: (1 ♂): the same data as holotype; (2 ♀♀): Georgia, Caucasus, Ananure, 27.vi.1978; (1 ♂, 2 ♀♀): Georgia, Tbilisi env., v.1973, all A. Olexa lgt.

Description. Male (holotype). Elongate elliptical, transversally convex. Body length 6.2 mm, the greatest width 2.6 mm. Ratio elytra length : elytra width of 1.9. Black, elytra yellow-brown, pronotum in the first half yellow-brown, the second half piceous. Antennae, femora and tibiae piceous, too (excepted tibiae of the first legs - they are yellow-brown). Clypeus, and tarsi yellow-brown, palpi light yellow. Pubescence silvery.

Head slightly convex, between clypeus and front fine transversal edge, from middle with edge directed backwards (T-shape). Clypeus shining, frons densely and roughly punctured, slightly shining. Erect long pubescence inclined towards. Eyes small, but strongly globular, with long sparse, erect hairs. Front 3 times wider than width of eye in dorsal view. Antennae consist of

eleven antennomeres, without antennal club. The first antennomere robust, shortly longer than wide. The second almost rounded. The 3rd two times longer than wide. Antennomeres 4th to 8th slightly serrate. The 4th short, 1.1 times longer than wide, the 5th longer, 1.3 times longer than wide, from the 6th to the 8th twice longer than wide. Top side of these antennomeres straight. Antennomeres 9th and 10th filiform, 3 times longer than wide, the last antennomeres shortly longer than two penultimate ones, with sharpened top (Fig. 1). All antennomeres with very sparse and long erect hairs. The last segment of maxillary palpi spindleform.

Pronotum almost rounded, very slightly transverse, the widest at middle. Middle of pronotum with longitudinal rounded bump narrowing backward. Base of pronotum bordered, in middle slightly emarginate (Fig. 3). Surface of pronotum slightly shining, with double punctuation. The first very fine and dense, punctures almost touched, the second coarsely, punctate-tuberculate, distance between them one half their diameter. Pubescence sparse, very long, erect, slightly inclined backwards. Scutellum longitudinally trapezoidal, backward narrower.

Elytra lengthily oval, with distinct shoulders, shining, densely and coarsely punctate. Punctures predominantly circular and tuberculate, almost touching each other. Pubescence long (but shorter than on pronotum) and dense, semierect, partly erect, inclined backward. Suture on apex of elytra elevated. Margin of elytral apex also elevated with several small teeth.

Legs stout, with densely, lengthily semierect pubescence. Tarsi robust, as long as tibiae. The first tarsomere the longest, the same length at 2nd and 3rd together, the second of the same length as 3rd and 4th together; 3rd and 4th of same length, their length same as width. Fourth tarsomere slightly emarginate. The fifth tarsomere irregular diamond-shaped, shorter part inclined to apex of tarsus. Claws robust, on base enlarged, smooth, without teeth.

Metathoracic ventrite with shallow longitudinal depression. Surface shining, coarsely a densely punctate, with sparse, recumbent, long hairs, inclined backwards. Ventrites shining, sparsely and densely punctate, with short, sparse, recumbent pubescence inclined backwards; all of the same width.

Aedeagus see Fig. 4.

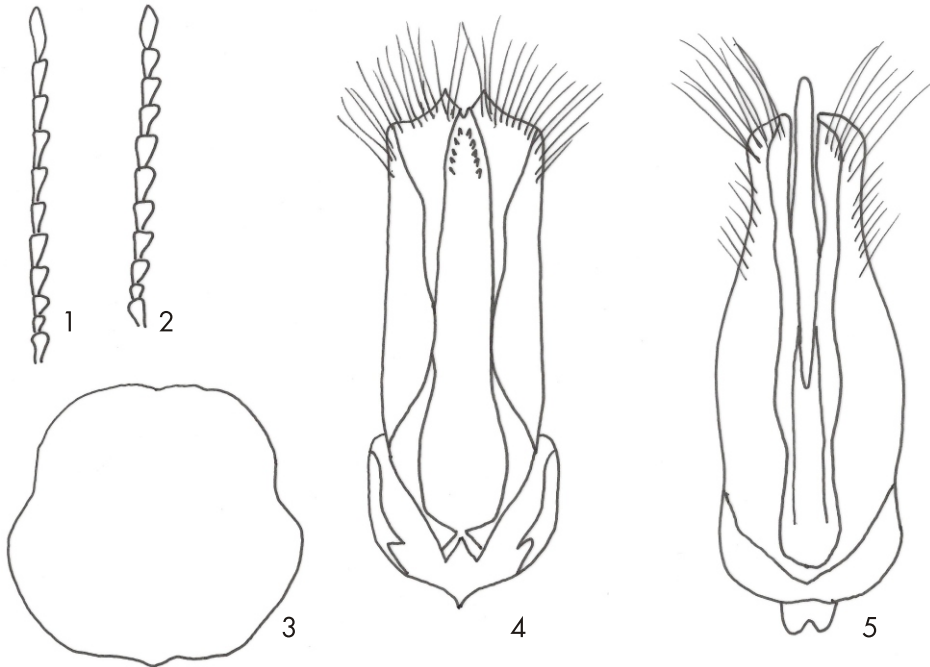
Female (allotype): Length 7 mm. The 5th to 11th antennomeres shorter than at male (Fig. 2).

Variability. Body length 5.0-7.1 mm; the greatest width 2.1-2.9 mm. Legs sometimes darker than holotype, border between yellow-brown and piceous part of pronotum sometimes indistinct.

Diferential diagnosis. The species differs from other Caucasian species as follows:

- | | | |
|---|--|-------------------------------------|
| 1 | Anterior margin of middle antennomeres bent | <i>H. unicolor</i> Pic, 1897 |
| - | Anterior margin of middle antennomeres straight | 2 |
| 2 | Pronotum black; aedeagus Fig. 4 | <i>H. pubescens</i> (Olivier, 1790) |
| - | Pronotum bicolor - yellow-brown and piceous; aedeagus Fig. 3 | <i>H. olexai</i> sp. nov. |

Name derivation. Dedicated to the collector of the type series, well-known entomologist, specialist in the family Histeridae.



Figs. 1-4. *Hedobia olexai* sp. nov.: 1-antenna of male; 2-antenna of female; 3-pronotum; 4-aedeagus.

Fig. 5. *Hedobia pubescens* (Olivier, 1790): 5-aedeagus.

***Ptinomorphus imperialis* (Linnaeus, 1767)**

Material examined. Bohemia, Nižbor, 14.vii.1978, A. Olexa lgt., 1 ex., Bohemia, Praha VIII., 27.v.1945, A. Olexa lgt., 1 ex.; Slovakia, Banská Bystrica, v.1950, A. Olexa lgt., 1 ex.; Slovakia, Čabrad', v.1958, A. Olexa lgt., 1 ex.; Slovakia, Domatica, v.1960, A. Olexa lgt., 1 ex.; Slovakia, Košice, v.1946, A. Olexa lgt., 2 ex.; Slovakia, Nitra, v.1956, A. Olexa, 2 ex.; Slovakia, Nová Sedlica, vii.1962; A. Olexa, 1 ex.; Slovakia, Plešivec, v.1960, A. Olexa lgt., 1 ex.; Slovakia, Plešivec, vi.1962, A. Olexa lgt., 1 ex.; Slovakia, Zadiel, v.1960, A. Olexa, 2 ex.; Slovakia, Zvolen, v.1952, A. Olexa lgt., 2 ex.; Slovakia, Zvolen, v.1955; A. Olexa lgt., 1 ex.

***Ptinomorphus regalis* (Duftschmid, 1825)**

Material examined. Slovakia, Nitra, Čepelák, 1 ex.

***Ptinomorphus rosti* (Pic, 1896)**

Material examined. Georgia, Caucasus, Ananure, 27.vi.1978, A. Olexa lgt., 2 ex.; Russia, Abchasia, Soči, vi.1961, A. Olexa lgt., 6 ex.

Dryophilinae

Dryophilini

***Dryophilus pusillus* (Gyllenhal, 1807)**

Material examined. Bohemia, Opočno, vii.1952, A. Olexa lgt., 2 ex.; Bohemia, Opočno, v.1957, A. Olexa lgt., 6 ex.

***Homophthalmus rugicollis* (Mulsant et Rey, 1853)**

Material examined. Russia, Sochi ["Abchasia"], vi.1961, A. Olexa lgt., 1 ex.

Ernobiinae

Ernobiini

***Ernobius abietinus* (Gyllenhal, 1807)**

Material examined. Bohemia, Opočno, v.1957, A. Olexa lgt., 1 ex.; Bohemia, Smolotely, viii.1970, A. Olexa lgt., 1 ex.

***Ernobius abietis* (Fabricius, 1792)**

Material examined. Bohemia, Opočno, v.1957, A. Olexa lgt., 2 ex.; Slovakia, Harmanec, vi. 1951, A. Olexa lgt., 1 ex.

***Ernobius mollis mollis* (Linnaeus, 1758)**

Material examined. Armenia, Sevan, 16.-19.vi.1981, A. Olexa lgt., 1 ex.; Bohemia, Praha, vii.1958, A. Olexa lgt., 1 ex.; Bohemia, Praha, viii.1962, A. Olexa lgt., 1 ex.; Bohemia, Praha, v.1973, A. Olexa lgt., 1 ex.; Bohemia, Praha, vi.1987, A. Olexa lgt., 2 ex.; Bohemia, Hradec Králové, 1941, Přivora lgt., 1 ex.; Bohemia, Zbohov, 10.vii.1947, A. Olexa lgt., 1 ex.; Italy, Vedano Olona Varese, vi. 1964, A. Olexa lgt., 3 ex.

***Ernobius nigrinus* (Sturm, 1837)**

Material examined. Bohemia, Čelákovice, v.1953, A. Olexa lgt., 1 ex.; Bohemia, Nový Vestec, v.1953, A. Olexa lgt., 1 ex.; Slovakia, Čabrad', v.1958, A. Olexa lgt., 1 ex.; Slovakia, Zlaté Moravce, v.1956, A. Olexa lgt., 1 ex.

Xestobiini

***Hyperisus caucasicum* Logvinovskiy, 1977**

Material examined. Georgia, Ananuri, v.1973, A. Olexa lgt., 4 ex.; Georgia, Caucasus, Ananuri, 27.vi.1978, A. Olexa lgt., 1 ex.; Georgia, Kaspí (Tbilisi), 23.v.1975, A. Olexa lgt., 1 ex.

Note. New species for Georgia.

***Hyperisus plumbeum* (Illiger, 1801)**

Material examined. Bohemia, Unhošť, 3.v.1947, A. Olexa lgt., 2 ex.; Slovakia, Nová Sedlica, vii.1962, A. Olexa lgt., 1 ex.; Slovakia, Remetské Hámre, iv.1949, A. Olexa lgt., 1 ex.; Slovakia, Remetské Hámre, vii.1960, A. Olexa lgt., 1 ex.; Slovakia, Zadiel, v.1960, A. Olexa lgt., 1 ex.; Slovakia, Zvolen, vi.1954, A. Olexa lgt., 2 ex.; Slovakia, Zvolen, v.1952, A. Olexa lgt., 3 ex.

***Xestobium austriacum* Reitter, 1890**

Material examined. Slovakia, Harmanec, iv.1951; A. Olexa lgt., 1 ex.; Slovakia, Nová Sedlica, vii.1962, A. Olexa lgt., 7 ex.

***Xestobium rufovillosum* (DeGeer, 1774)**

Material examined. Slovakia, Košice, iv. 1949, A. Olexa lgt., 1 ex.; Slovakia, Remetské Hámre, vi.1948, A. Olexa lgt., 1 ex.; Slovakia, Zvolen, iii.1951, A. Olexa lgt., 6 ex.; Slovakia, Zvolen, iv.1951, A. Olexa lgt., 1 ex.; Slovakia, Zvolen, v.1951, A. Olexa lgt., 2 ex.; Slovakia, Zvolen, v.1955, A. Olexa lgt., 1 ex.

***Xestobium subincanum* (Reitter in Schneider et Leder, 1878)**

Material examined. Georgia, Ananuri, v.1973, A. Olexa lgt., 5 ex.; Georgia, Caucasus, Ananuri, 27.vi.1978, A. Olexa lgt., 2 ex.; Russia, Abchasia, Soči, vi.1961, A. Olexa lgt., 3 ex.

Ochinini

***Ochina (Dulgieris) latreillii* (Bonelli, 1812)**

Material examined. Slovakia, Čabrad, v.1958; A. Olexa lgt., 1 ex.; Slovakia, Plešivec, v.1962; A. Olexa lgt., 1 ex.; Slovakia, Štúrovo, v.1961, A. Olexa, lgt., 1 ex.; Slovakia, Zvolen, v.1956, A. Olexa lgt., 2 ex.; Georgia, Ananuri, v.1973, A. Olexa lgt., 1 ex.

Note. New species for Georgia.

Anobiinae

Anobiini

***Anobium punctatum* (DeGeer, 1774)**

Material examined. Bohemia, Opočno, vii.1952, A. Olexa lgt., 5 ex.; Bohemia, Opočno, vii.1962, A. Olexa lgt., 1 ex.; Moravia, Rychnov na Moravě, 24.vii.1948, A. Olexa lgt., 1 ex.; Slovakia, Remetské Hámre, iv.1949, A. Olexa lgt., 1 ex.; Slovakia, Remetské Hámre, vii.1955, A. Olexa lgt., 4 ex.; Georgia, Batumi, Kirala, vi.1957, A. Olexa lgt., 8 lgt.; Georgia, Suchumi, vi.1957, A. Olexa lgt., 4 ex.; Italy, Vedano Olona Varese, vi.1964, A. Olexa lgt., 1 ex.; Russia, Abchasia, Soči, vi.1961, A. Olexa lgt., 2 ex.

***Cacotemnus aldai* sp. nov.**

(Figs. 6-10)

Type material. Holotype (♂): Kazakhstan, Alma Ata env., 29.v.1974, A. Olexa lgt. Allotype (♀): the same data as holotype.

Description. Lengthily elongate-elliptical, transversally convex, body length 4.2 mm, the greatest width 1.9 mm. Ratio length : width of elytra 1.8. Dark brown. Pubescence silverish-white. Antennae, palpi and legs yellowish-brown.

Head slightly convex, matt, surface with double punctures - the first fine and dense, punctures almost touched, the second sparser and coarser, irregular, distance between these puncture at least the same as their diameter. Pubescence short, dense, semierect, slightly inclined backwards. Eyes spherical, convex, with short, dense, erect hairs. Front 3.7 times wider than width of eye from dorsal view. Antennae filiform, consist of eleven antennomeres, the last three are distinctly enlarged. The 1st antennomere robust, 3 times longer than wide. The 2nd shorter and slimmer. The 3rd 1.25 times shorter than the 2nd. Antennomeres 4th - 6th of the same length as wide, the 7th and 8th slightly transverse, each approximately twice shorter than 3rd antennomere. The 9th and 10th of the same length, on apex slightly broadened, slightly longly triangular, each of the same length as 3rd - 8th together. The 11th the longest, 1.3 times longer than 10th antennomere, slim and sharpened (Fig. 6). The ultimate segment of maxillary palpi longly elliptical.

Pronotum slightly transverse (ratio length : width 0.9), trapezoidal, sides broadened to base, the widest before based (Fig. 8). Base of pronotum strongly bent. Margin of pronotum distinctly bordered, lateral margins with small tubercles. Hind zone in middle with small flattened bump, backward narrower. Surface of pronotum with double punctures - the first fine and dense,

punctures almost touched, the second sparser and coarser, irregular, distance between these puncture minimally the same as their diameter. Pubescence short, dense, more/less recumbent (only on margins partly semierect). Scutellum rounded, slightly longer than wide, densely pubescent, pubescence recumbent and inclined backwards (slightly to sides from longitudinal axis).

Elytra lengthily oval, transversally convex, with distinct shoulders, slightly shining, with 10 stria; in each stria row coarse puncture. Intervals between striae finely and densely punctuated. Pubescence short, dense and recumbent, inclined backwards.

Legs slim, femora thick, tibiae of same length as tarsi. The 1st tarsomere of same length as 2nd and 3rd together. The 2nd slightly longer than 3rd (1.2 times), the 3rd slightly longer the 4th (1.2 times), slightly emarginate on apex. The 5th of same length as the 1st, claws long, slim, without teeth.

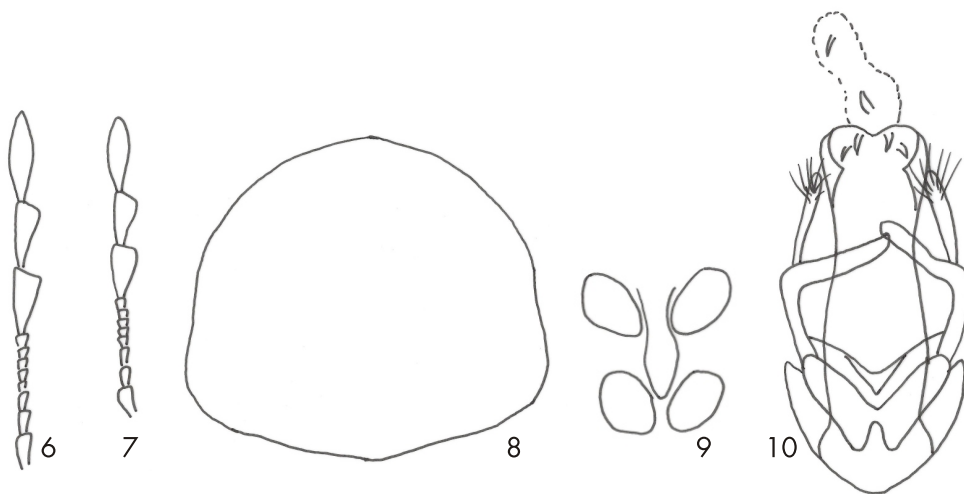
Prosternal process wide, triangular, sharpened backwards, extending to mesothoracic coxae, prothoracic coxae are put off (Fig. 9). Mesothoracic coxae almost touched. Metathoracic ventrite slightly transversally convexed, with shallow longitudinal depression in middle, before metathoracic coxae slightly enlarged and deeper. Surface shining, densely and coarsely punctuate, with short recumbent dense pubescence, inclined backwards. All ventrites of the same width, vaguely shining, densely and finely punctuated, with sparse short recumbent pubescence, inclined backwards.

Aedeagus see Fig. 10.

Female (allotype): Length 6.2 mm, the greatest width 2.6 mm. The last three antennomeres shorter than at male (Fig. 7).

Differential diagnosis. See the keys.

Name derivation. From the first name of the collector of the type series, a well-known entomologist, specialist in the family Histeridae.



Figs. 6-10. *Cacotemnus aldai* sp. nov.: 6- antenna of male; 7- antenna of female; 8- pronotum; 9- pro- and mesothoracic coxae with pro- and mesosternal processes; 10- aedeagus.

***Cacotemnus caucasicus* sp. nov.**

(Figs. 11-16)

Type material. Holotype (♂): Russia, Dombaj, Caucasus, 3.-8.viii.1976, A. Olexa lgt. Allotype (♀): the same data as holotype. Paratypes: (1 ♂, 2 ♀♀): Russia, Teberda, Caucasus, 7.viii.1976, A. Olexa lgt.

Description. Lengthily elongate-elliptical, transversally convex, body length 5.7 mm, the greatest width 2.0 mm. Ratio length : width of elytra 2.0. Brown. Pubescence yellowish-white. Antennae, palpi and legs brown.

Head slightly flat with slight longitudinal edge, matt, surface with double punctures - the first fine and dense, punctures almost touched, the second sparser and coarser, irregular, distance between these puncture maximally the same as their diameter. Pubescence short, dense, semierect, slightly inclined backwards. Eyes spherical, convex, with short, sparse, erect hairs. Front 3 times wider than width of eye from dorsal view. Antennae filiform, consist of eleven antennomeres, the last three are distinctly enlarged. The 1st antennomere robust, 3 times longer than wide. The 2nd shorter but also robust, twice longer than wide. The 3rd slim, 1.3 times shorter than the 2nd. Antennomeres 4th - 6th the same length as wide, the 7th and 8th distinctly transverse, each approximately twice as shorter as 3rd antennomere. The 9th and 10th of the same length, on apex slightly broadened, slightly longly triangular, each of the same length as 3rd - 8th together. The 11th the longest, 1.3 times longer than 10th antennomere, slim and sharpened (Fig. 10). The last segment of maxillary palpi longly elliptical.

Pronotum slightly transverse (ratio length : width 0.9), trapezoidal, sides broadened to base, the widest before base, in the first third slightly emarginate (Fig. 12). Base of pronotum strongly bent. Margin of pronotum distinctly bordered, lateral margins slightly indentate, with small tubercles. Hind zone in middle with small flattened bump, backward narrower. Surface of pronotum with double punctures - the first fine and dense, punctures almost touched, the second sparser and coarser, irregular, distance between these puncture minimally the same as their diameter. Pubescence short, dense, recumbent. Scutellum rounded, slightly longer than wide, densely pubescent, pubescence recumbent and inclined backwards (slightly to sides according to longitudinal axis).

Elytra lengthily oval, transversally convex, with distinct shoulders, slightly shining, with 10 stria; in each stria row coarse puncture. Intervals between striae finely and densely punctuated. Pubescence short, dense and recumbent, inclined backwards.

Legs slim, femora thick, tibiae 1.6 times longer than tarsi. The 1st tarsomere 1.1 times longer than the 2nd. The 2nd and 3rd together of the same length as the 1st. The 2nd slightly longer than 3rd (1.2 times), the 4th shorter than the 3rd, strongly emarginate on apex, this excavation clearly occupying at least three-quarters of the length of this tarsomere. The 5th of the same length as the 3rd, claws long, slim, without teeth.

Prosternal process narrow, longitudinally triangular, sharpened backwards, extended to posterior margin of protothoracic coxae, which are almost touched. Mesothoracic coxae almost touched with small triangular mesosternal process, sharpened backwards and extended to anterior in long and wide triangular part (Fig. 15).

Metathoracic ventrite transversally convex, with shallow longitudinal depression in middle, before metathoracic coxae slightly enlarged and deeper. Surface shining, densely and coarsely punctate, with short recumbent dense pubescence, inclined backwards. All abdominal ventrites of the same width, vaguely shining, densely and finely punctuated, with sparse short recumbent pubescence, inclined backwards.

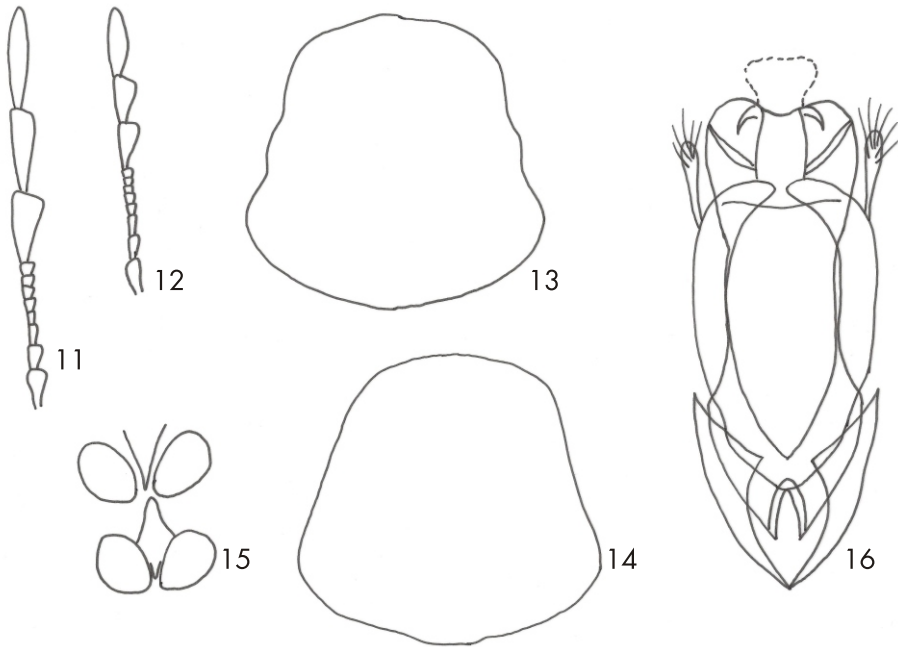
Aedeagus see Fig. 16.

Female (allotype): Length 6.7 mm, the greatest width 2.1 mm. The last tree antennomeres shorter than in male (Fig. 11). Excavation on lateral side of pronotum almost invisible (Fig. 13).

Variability. Body length 5.5-7.0 mm, the greatest width 2.0-2.2 mm.

Differential diagnosis. See the keys.

Name derivation. Derived from the name of mountains where the beetles were collected - Caucasus.

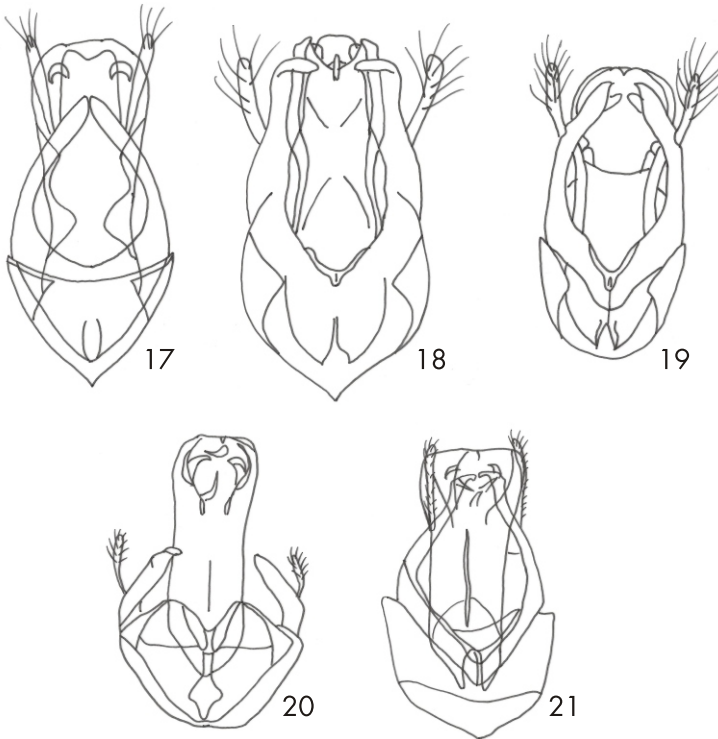


Figs. 11-16. *Cacotemnus caucasicus* sp. nov.: 11- Antenna of male; 12- antenna of female; 13- pronotum of male; 14- pronotum of female; 15- pro- and mesothoracic coxae with pro- and mesosternal processes; 16- aedeagus.

- 1 Bump on pronotum with longitudinal shallow furrow *C. kompanzevi* (Logvinovskiy, 1979)
- Bump on pronotum without longitudinal furrow 2
- 2 Prosternal process wide and long, mesosternal coxae almost touched, lateral margin of pronotum emarginate *C. caucasicus* sp. nov.
- Prosternal process narrow and short..... 3
- 3 Lateral margin of pronotum emarginated *C. thomsoni* (Kraatz, 1881)
- Lateral margin straight 4
- 4 Mesosternal coxae come near *C. rufipes* (Fabricius, 1792)
- Mesosternal coxae are put off *C. al dai* sp. nov.

Remarks. *C. panfilovi* Toskina 2004 (Russia, Caucasus) and *C. zavadskii* Toskina, 2004 (Azerbaijan) have bell-shaped pronotum (both described according to only 1 female),

C. demokidovi Toskina, 2004 (Russia, Caucasus) has pronotum with straight lateral margin and *C. parfentievi* Toskina, 2004 (Uzbekistan) has lateral margin of pronotum emarginate. She used also width of prosternal and mesosternal process and as other part of keys are of different lengths of antennomeres. Because I cannot see these species, I cannot use them in my key. Aedeagi are quite different. Aedeagus of *C. kompantzevi* (Logvinovskiy, 1979) was not still published, my drawing comes from male collected at the type locality - Sary Chelek - collected by V. Kubáň (Brno, Czech Republic) 3 year later than holotype (male, 1978) and paratype (1 female, 1978, the same day) - 1981.



Figs. 17-21. Aedeagus: 17- *Cacotemnus kompanzevi* (Logvinovskiy, 1979); 18- *C. thomsoni* (Kraatz, 1881); 19- *C. rufipes* (Fabricius, 1792) 20- *C. demokidovi* Toskina, 2004; 21- *C. parfentievi* Toskina, 2004. (Figs. 18-19 modified according to Logvinovskiy 1985; Figs. 20-21 modified according to Toskina 2004).

***Cacotemnus rufipes* (Fabricius, 1792)**

Material examined. Bohemia, Zbraslav, v.1952, A. Olexa lgt., 13 ex.; Slovakia, Zvolen, vi.1954, A. Olexa lgt., 2 ex.

***Cacotemnus thomsoni* (Kraatz, 1881)**

Material examined. Sweden, Uppland, Älvkarleby, 1.vi.1955, Th. Palm lgt., 1 ex.

***Hemicoelus costatus* (Aragona, 1830)**

Material examined. Slovakia, Nová Sedlica, vii.1962, A. Olexa lgt., 9 ex.; Slovakia, Zadiel, v.1960, A. Olexa lgt., 1 ex.; Georgia, Caucasus, Ananuri, 27.vi.1978, A. Olexa lgt., 4 ex.

***Hemicoelus fulvicornis* (Sturm, 1837)**

Material examined. Bohemia, Unhošť, vi.1955; A. Olexa lgt., 1 ex.; Slovakia, Čabrad', v.1958, A. Olexa lgt., 1 ex.; Slovakia, Remetské Hámre, vii.1955; A. Olexa lgt., 2 ex.; Slovakia, Zvolen, v.1956, A. Olexa lgt., 1 ex.; Georgia, Abchasia, Gagra, vi.1965, A. Olexa lgt., 1 ex.; Russia, Abchasia, Soči, vi.1961, A. Olexa lgt., 1 ex.

***Hemicoelus nitidus* (Fabricius, 1792)**

Material examined. Bohemia, Praha, vii.1954, A. Olexa lgt., 1 ex.; Bohemia, Praha, vii.1958; A. Olexa lgt., 4 ex.; Bohemia, Unhošť, vi.1955, A. Olexa lgt., 1 ex.; Bohemia, Zbraslav, vi.1952, A. Olexa lgt., 1 ex.; Bohemia, Zbraslav, vii.1954, A. Olexa lgt., 1 ex.; Slovakia, Remetské Hámre, vii.1956, A. Olexa lgt., 3 ex.; Slovakia, Remetské Hámre, vii.1955, A. Olexa lgt., 1 ex.

***Hemicoelus rufipennis* (Duftschmid, 1825)**

Material examined. Slovakia, Nová Sedlica, vii.1962, A. Olexa lgt., 2 ex.; Slovakia, Plešivec, vi.1962, A. Olexa lgt., 1 ex.; Slovakia, Remetské Hámre, vii.1955, A. Olexa lgt., 1 ex.; Slovakia, Remetské Hámre, vii.1956, A. Olexa lgt., 3 ex.; Slovakia, Zvolen, vi.1951, A. Olexa lgt., 1 ex.; Slovakia, Zvolen, vi.1954, A. Olexa lgt., 1 ex.; Bulgaria, Arkutino, vi.1969, A. Olexa lgt., 1 ex.; Bulgaria, Arkutino, vii.1969, A. Olexa lgt., 3 ex.; Georgia, Caucasus, Ananuri, 27.vi.1978, A. Olexa lgt., 2 ex.; Russia, Abchasia, Soči, vi.1961, A. Olexa lgt., 2 ex.

Note. New species for Georgia and Russia.

***Oligomerus brunneus* (Olivier, 1790)**

Material examined. Bohemia, Nižbor, 9.vii.1977, A. Olexa lgt., 1 ex.; Slovakia, Zvolen, vi.1954, A. Olexa lgt., 1 ex.; Slovakia, Zvolen, vii.1959, A. Olexa lgt., 3 ex.; Bulgaria, Arkutino, vii.1967, A. Olexa lgt., 2 ex.; Bulgaria, Arkutino, vii.1968, A. Olexa lgt., 8 ex.; Bulgaria, Arkutino, viii.1968, A. Olexa lgt., 1 ex.; Bulgaria, Kamčija, vi.1972, A. Olexa lgt., 1 ex.

***Oligomerus ptilinoides* (Wollaston, 1854)**

Material examined. Italy, Vedano Olona Varese, vi.1964, A. Olexa lgt., 2 ex.

***Oligomerus retowskii* Schilsky, 1898**

Material examined. Bohemia, Chřibská, viii.1954, Krupka lgt., 1 ex.; Bohemia, Praha, v.1959, A. Olexa lgt., 1 ex.; Slovakia, Zvolen, vii.1959, A. Olexa lgt., 3 ex.; Bulgaria, Arkutino, viii.1968, A. Olexa lgt., 2 ex.; Bulgaria, Kamčija, vi.1972, A. Olexa lgt., 1 ex.

Note. New species for Bulgaria.

Gastrallini

***Gastrallus immarginatus* (P.W.J.Müller, 1821):**

Material examined. Bohemia, Opočno, vii.1952, A. Olexa lgt., 2 ex.; Bulgaria, Arkutino, vi.1970, A. Olexa lgt., 2 ex.; Hungary, Tihany, vii.1974, A. Olexa lgt., 1 ex.

Note. New species for Bulgaria.

Gastrallus laevigatus (Olivier, 1790)

Material examined. Bulgaria, Arkutino, vi.1969, A. Olexa lgt., 2 ex.; Bulgaria, Arkutino, vii.1969, A. Olexa lgt., 2 ex.; Bulgaria, Arkutino, vi.1970, A. Olexa lgt., 2 ex.; Bulgaria, Kamčija, vii.1973, A. Olexa lgt., 1 ex.; Georgia, Suchumi, vi.1957, A. Olexa lgt. 1 ex.

Note. New species for Georgia.

Hadrobregmini

Hadrobregmus denticollis (Creutzer in Panzer, 1796)

Material examined. Slovakia, Zvolen, v.1953, A. Olexa lgt., 1 ex.; Bulgaria, Arkutino, vi.1971, A. Olexa lgt., 2 ex.; Bulgaria, Sandanski, Popina Lake, Pirin, 19.vi.1975, A. Olexa lgt., 1 ex.

Note. New species for Bulgaria.

Hadrobregmus pertinax (Linnaeus, 1758)

Material examined. Slovakia, Harmanec, v.1950, A. Olexa lgt., 2 ex.; Slovakia, Harmanec, ii.1951, A. Olexa lgt., 1 ex.; Slovakia, Harmanec, iv.1951, A. Olexa lgt., 4 ex.; Slovakia, Harmanec, vi.1954, A. Olexa lgt., 1 ex.; Slovakia, Nová Sedlica, vii.1962, A. Olexa lgt., 1 ex.; Slovakia, Zvolen, v.1950, A. Olexa lgt., 1 ex.; Slovakia, Zvolen, v.1951, A. Olexa lgt., 1 ex.; Slovakia, Zvolen, v.1956, A. Olexa lgt., 1 ex.; Bulgaria, Sandanski, Popina Lake, Pirin, 19.vi.1975, A. Olexa lgt., 1 ex.

Note. New species for Bulgaria.

Microbregma emarginatum (Duftschmid, 1825)

Material examined. Bohemia, Opočno, vii.1952, A. Olexa lgt., 1 ex.; Bohemia, Opočno, v.1957, A. Olexa lgt., 4 ex.; Bohemia, Opočno, vii.1958, A. Olexa lgt., 1 ex.

Priobium carpini (Herbst, 1793)

Material examined. Bohemia, Klecánky, viii.1992, A. Olexa lgt., 1 ex.; Bohemia, Opočno, vii.1952, A. Olexa lgt., 1 ex.; Bohemia, Praha, viii.1960, A. Olexa lgt., 1 ex.; Slovakia, Nová Sedlica, vii.1962, A. Olexa lgt., 1 ex.; Bulgaria, Arkutino, vii.1969, A. Olexa lgt., 8 ex.; Bulgaria, Arkutino, vi.1970, A. Olexa lgt., 1 ex.; Georgia, Batumi, Kirala, vi.1957, A. Olexa lgt., 1 ex.; Hungary, Dabas, vii.1974, A. Olexa lgt., 1 ex.; Ukraine, Kiev, vii.1957, A. Olexa lgt., 1 ex.

Priobium suturalis sp. nov.

(Figs. 22-27)

Type material. Holotype (♂). N. Vietnam, Tamdao, 3.-11.vi.1985, A. Olexa lgt., Allotype (♀): the same data as holotype. Paratypes: (8 ♂♂, 5 ♀♀): the same data as holotype [4 ♂♂, 2 ♀♀ NHMB]; (1 ♂): N. Vietnam, Tamdao, 27.v.-2.vi.1986, A. Olexa lgt. (NHMB); (1 ♂): Vietnam, Vinh phu prov., Tam dao, 27.v.-2.vi.1986, J.Horák lgt. (NHMB); (3 ♂♂, 1 ♀): N. Vietnam (Tonkin), prov. Vinhphu, Tamdao, 2.-11.vi.1985, V. Kubán lgt. (NHMB).

Description. Male (holotype). Elongate-elliptical, transversally convex, body length 4.5 mm, the greatest width 2.0 mm. Ratio elytra length : elytra width of 1.5. Piceous, including legs. Antennae and palpi light brown.

Head flat, shining, surface with small shining tubercles, distance between these tubercles 1-2 times as their diameter. Between clypeus and front deep transversal depression. Pubescence long, semierect, bent, dense, yellow, inclined forwards. Eyes globular without hairs. Front 1.8 times wider than width of eye in dorsal view. Antennae consist from eleven antennomeres. The first antennomere robust, enlarged at base, shortly longer than 2nd and 3rd together. The 2nd the smallest, rounded. Antennomeres 3rd - 8th serrate; antennomeres 3rd - 6th as long as wide, the 7th and the 8th slightly longer than wide, the last three filiform, 9th 3.3 times longer than wide, 10th 4 times longer than wide and 11th longest, 5 times longer than wide (Fig. 22). The last segment of maxillary palpi triangular, as long as wide.

Pronotum as long as wide. The anterior three fifths rounded, narrowing backwards. Posterior angles sharp, from them come out broken edge, from bigger part parallel with base of pronotum, in middle come out perpendicularly other edge to base of pronotum; from lateral view with distinct sharp bump, inclined backwards. Before posterior angles (in place of beginning of edge) on margin flattened. Lateral margin of pronotum invisible, from dorsal view with false margin (from lateral view edge come out from posterior angles and connected on anterior margin of pronotum; before than connecting slightly emarginated - from lateral view.) (Figs. 23-24). Surface of pronotum vaguely shining, with small dense tubercles, almost touched. Pubescence long, dense, semierect, inclined forwards; on edge brushing thicken. Scutellum as long as wide, rounded.

Elytra shortly oval, with distinct shoulders. Each elytron with 10 striae. Striae consist of square or rectangular puncture, on apex smaller than on base of elytron. In the first half, interstriae narrower than striae, on the posterior part interstriae wider than striae. Surface shining with two kinds of yellowish pubescence. The first sparse, long, erected, inclined backwards, the second short, recumbent and dense, inclined backwards, occurring only on two thirds of posterior part of elytron suture and apex of elytra.

Legs stout, tibia 1.5 times longer than tarsi, the 1st tarsomere as long as 2nd and 3rd together, 3rd and 4th the same length. The 3rd slightly emarginated on apex, the 4th strongly emarginate on apex, this emargination come out on two thirds of length of this antennomere. The fifth very short. Claws small, without teeth.

Prosternal and mesosternal coxae separated by deep, wide, longitudinal depression, which continue to end of metasternum. Between mesosternal coxae transversal shining edge, in the two thirds of metasternum with triangular edge, inclined upwards and backwards. Behind end with low longitudinal edge (Fig. 25). Surface of this depression sparsely and coarsely punctuated, punctures almost touched. The first ventrite 3 times shorter than following; in middle with widely triangular objects (Fig. 26). Other ventrites in middle grown together, sutures visible only on lateral margin. Surface of lower part of body vague matt, very coarsely and densely punctuated, puncture almost touched. Pubescence recumbent, sparse, short, yellowish-white, inclined backwards; on margin of coxae very dense.

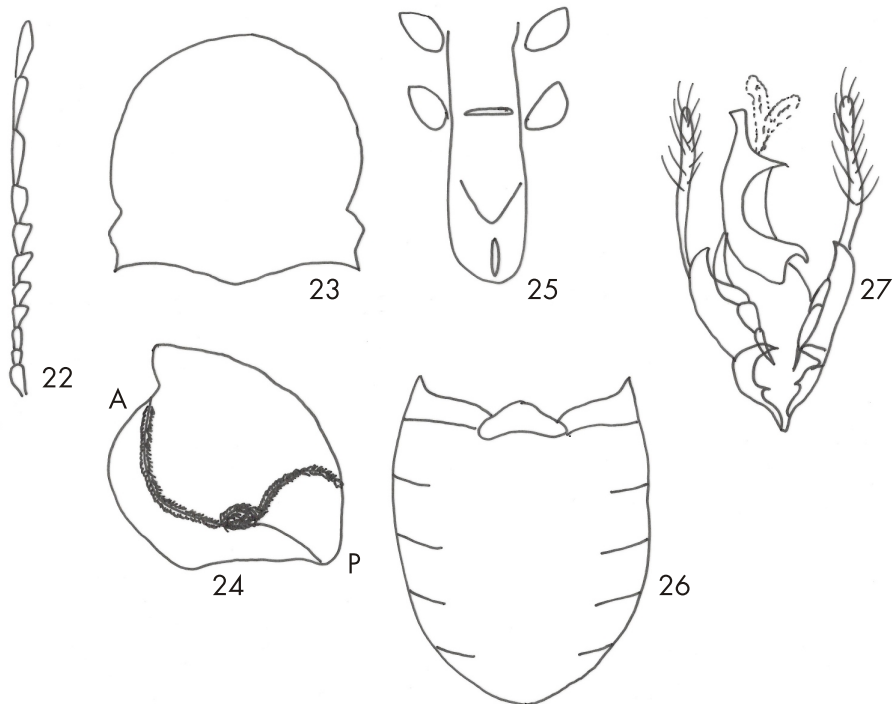
Aedeagus see Fig. 27.

Female. Without visible sexual dimorphism.

Variability. Body length 4.0-6.1 mm; the greatest width 1.8-2.7 mm.

Differential diagnosis. Differs from other species of this genus by yellowish pubescence on second third elytron suture; aedeagus is quite different compared to other species.

Name derivation. Derived according to yellow strip on the second third at elytral suture (yellowish pubescence on the first interstriae).



Figs. 22-27. *Priobium suturalis* sp. nov.: 22- Antenna of male; 23- dorsal view of pronotum; 24- lateral view of pronotum - A- anterior part, P- posterior part; 25- pro- and mesothoracic coxae with pro- and mesosternal process; 26- abdominal ventrites; 27- aedeagus.

Stegobiini

Priartobium serrifunus Reitter, 1901

Material examined. Bulgaria, Arkutino, vi.1969, A. Olexa lgt., 2 ex.

Note. New species for Bulgaria.

Stegobium paniceum (Linnaeus, 1758)

Material examined. Bohemia, Praha, v.1952, A. Olexa lgt., 1 ex.; Bohemia, Praha, iv.1958, A. Olexa lgt., 1 ex.; Georgia, Tbilisi env., v.1973, A. Olexa lgt., 1 ex.; Italy, Vedano Olona Varese, vi.1963, A. Olexa lgt., 1 ex.; Kyrgyzstan, Fergana, Kadanžaj, 5.v.1975, A. Olexa lgt., 1 ex.

Note. New species for Kyrgyzstan.

Trichodesmini

Nicobium castaneum (Olivier, 1790)

Material examined. Japan, Kitamageawa, Tokushima City, 12.vii.1963, M. Kiuchi lgt., 1 ex.

***Trichodesma (Trichodesma) japonica* Pic, 1906**

Material examined. Japan, Mimune, Mie, 18.-21.vi.1955, H. Ohira lgt., 1 ex.

Ptilininae

Ptilinini

***Plumilus grandicollis* (Ménétriés, 1832)**

Material examined. Georgia, Abchasia, Gagra, vi.1965, A. Olexa lgt., 1 ex.

***Ptilinus fuscus* (Geoffroy in Fourcroy, 1775)**

Material examined. Bohemia, Praha, vii.1954, A. Olexa lgt., 4 ex.; Bohemia, Zbraslav, vi.1952, A. Olexa lgt., 5 ex.; Slovakia, Banská Bystrica, 1950, A. Olexa lgt., 1 ex.; Slovakia, Košice, vi.1949, A. Olexa lgt., 1 ex.; Slovakia, Zvolen, vi.1954, A. Olexa lgt., 1 ex.; Uzbekistan, Aktaň, Taškent, 4.vii.1976, A. Olexa lgt., 1 ex.

Note. New species for Uzbekistan.

***Ptilinus longicornis* Toskina, 1995**

Material examined. Georgia, Batumi, Kirala, vi.1957, A. Olexa lgt, 1 ex.; Georgia, Passanaury, vii.1957, A. Olexa lgt., 2 ex.; Russia, Abchasia, Soči, vi.1961, A. Olexa lgt., 1 ex.

Note. New species for Georgia.

***Ptilinus pectinicornis* (Linnaeus, 1758)**

Material examined. Bohemia, Zbraslav, vi.1952, A. Olexa lgt., 4 ex.; Slovakia, Remetské Hámre, vi.1949, A. Olexa lgt., 3 ex.; Slovakia, Zvolen, vi.1954, A. Olexa lgt., 8 ex.

***Yunnanobium longicorne* (Pic, 1907)**

Material examined. N Vietnam, SaPa, 11.-18.vi.1990, A. Olexa lgt., 2 ex.

Note. New species for Vietnam.

Xyletininae

Lasiodermini

***Lasioderma haemorrhoidale* (Illiger, 1807)**

Material examined. Bulgaria, Arkutino, vii. 1969, A. Olexa lgt., 1 ex.; Bulgaria, Arkutino, viii.1968, A. Olexa lgt., 1 ex.; Bulgaria, Arkutino, vi. 1969, A. Olexa lgt., 3 ex.; Bulgaria, Arkutino, vii. 1969, A. Olexa lgt., 1 ex.; Bulgaria, Arkutino, vi.1970, A. Olexa lgt., 1 ex.; Bulgaria, Sozopol, vi.1969, A. Olexa lgt., 2 ex.; Croatia, Lapud u Dubrovniku, viii.1964, J. Král lgt., 2 ex.; Syria, Idlib, Alepo env., 1.v.1982, A. Olexa lgt., 1 ex.

***Lasioderma kiesenwetteri* Schilsky, 1899**

Material examined. Bulgaria, Achtopol, vii.1968, A. Olexa lgt., 1 ex.; Bulgaria, Arkutino, vi.1969, A. Olexa lgt., 1 ex.; Bulgaria, Arkutino, vi.1970, A. Olexa lgt., 5 ex.; Bulgaria, Arkutino, vii.1970, A. Olexa lgt., 1 ex.

Note. New species for Bulgaria.

***Lasioderma redtenbacheri redtenbacheri* (Bach, 1852)**

Material examined. Moravia, Brno, vii.1954, J. Gottwald lgt., 1 ex.; Bulgaria, Arkutino, vi.1969, A. Olexa lgt., 1 ex.; Bulgaria, Arkutino, vii. 1969, A. Olexa lgt., 3 ex.; Bulgaria, Arkutino, vi.1970, A. Olexa lgt., 1 ex.; Bulgaria, Kamčija, vii.1973, A. Olexa lgt., 1 ex.; Bulgaria, Sozopol, vi.1969, A. Olexa lgt., 1 ex.

***Lasioderma serricorne* (Fabricius, 1792)**

Material examined. Moravia, Olomouc, xii.1961, J. Gottwald lgt., 1 ex.; Japan, Tokhnshima City, Kitamaegawa, 17.vi.1970, M. Kiuchi lgt., 1 ex.

***Lasioderma* spp.**

Material examined. Armenia, Sevan, 17.vi.1979, A. Olexa lgt., 3 ex.; Azerbaijan, Bëž Barma, zarat (Baku), 19.v.1975, A. Olexa lgt., 1 ex.; Azerbaijan, Čeram-Batan (Baku), 17.v.1975, A. Olexa lgt., 2 ex.; Kyrgyzstan, Kadamžaj, Fergana, 5.v.1975, A. Olexa lgt., 1 ex.; Tadzjikistan, Tigrovaja Balka, 2.-6.vi.1966, A. Olexa lgt., 5 ex.

Metholcini

***Metholcus phoenicis* (Fairmaire, 1859)**

Material examined. Bulgaria, Arkutino, vii.1967, A. Olexa lgt., 1 ex.; Bulgaria, Arkutino, vi.1969, A. Olexa lgt., 3 ex.; Bulgaria, Arkutino, vii.1969, A. Olexa lgt., 2 ex.; Bulgaria, Arkutino, vi.1970, A. Olexa lgt., 2 ex.; Bulgaria, Sozopol, vii.1973, A. Olexa lgt., 1 ex.; Croatia, Lopud, Dubrovnik, viii.1964, Král lgt., 2 ex.

Xyletinini

***Neoxyletinus angustatus* (Pic, 1907)**

Material examined. Vietnam, SaPa, 11.-18.vi.1990, A. Olexa lgt., 1 ex.

Note. New species for Vietnam.

***Neoxyletinus fulvobrunneus* sp. nov.**

(Figs. 28-31)

Type material. Holotype (♂) Vietnam, Tamdao, 3.-11.vi.1985, A. Olexa lgt.

Description. Holotype (male). Elongate, transversally convex, body length 4.3 mm, the greatest width 2.1 mm. Ratio elytra length : elytra width of 1.3. Yellowish-brown, including antennae, palpi and legs. Pubescence yellow.

Head transversally slightly convex, between front and clypeus with shallow transversal depression. Surface of head vaguely shining, with double punctuation - the first very dense and fine, puncture almost touched, the second sparse and coarse, distance between this puncture approximately 3 times longer than their diameter. Pubescence recumbent, dense, inclined from side to longitudinal axis and partly forward. Eyes globular, without hairs. Front twice wider than width of eye in dorsal view. Antennae consist of eleven antennomeres, without antennal club. The first antennomere robust, 4 times longer than 2nd. The 2nd small, rounded. The 3rd the same

length as the 1st, very slightly serrate. Antennomeres 4th - 10th slightly pectinate. The 4th as long as wide, the 5th 1.3 times wide as long, the 6th - 10th approximately twice wider as long, the 11th lengthily elliptic, 2.3 long as wide (Fig. 28).

Pronotum transverse, ratio length : width 0.65, trapezoidal, broadened backwards, the widest shortly before base (Fig. 29). Anterior margin bent and distinctly bordered, posterior margin double bent. Surface of head vaguely shining, with double punctuation - the first very dense and fine, puncture almost touched, the second sparse and coarse, distance between this puncture approximately 3 times longer than their diameter. Pubescence recumbent, dense, inclined more or less backward, partly inclined to longitudinal axis, in back (rounded) corners inclined askew to margin of these corners. In middle before posterior margin with small flattened bump. Scutellum almost pentagonal with rounded sides.

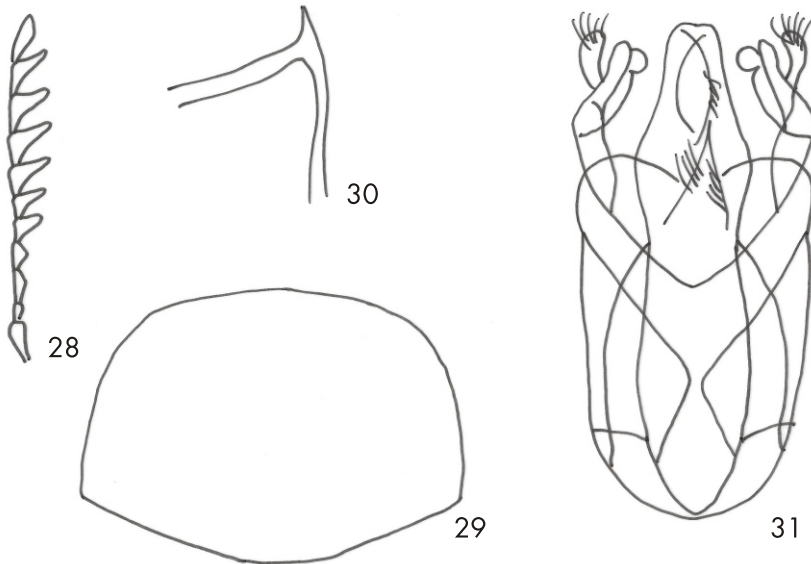
Elytra shortly oval, with almost invisible shoulders. Each elytron with eleven fine punctured striae (11th only short with enlarged margin of elytron). The 10th and 9th extend to end of elytron, remaining striae interconnected as follows: 1st with 2nd, 3rd with 4th, all before end of elytron, 5th with 6th and 7th with 8th, in fourth fifths. Pubescence short, dense, recumbent, inclined backwards.

Mesosternal coxae are put off. Metathoracic ventrite with distinct narrow deep longitudinal furrow.

Aedeagus see Fig. 30, genital stirrup long, narrow and sharpened (Fig. 31).

Differential diagnosis. Colour of body yellowish brown, other species from genus *Neoxyletinus* are dark brown, piceous or black.

Name derivation. Derived from Latin words "fulvus" - yellow and "brunneus" - brown, colour of this species.



Figs. 28-31. *Neoxyletinus fulvobrunneus* sp. nov.: 28- antenna of male; 29- pronotum; 30- aedeagus; 31- genital stirrup.

***Neoxyletinus sikkimensis* Español, 1983**

Material examined. Vietnam, Tamdao, 3.-11.vi.1985, A. Olexa lgt., 6 ex.; Vietnam, Tamdao, 27.v.-2.vi.1986, A. Olexa lgt., 3 ex.

Note. New species for Vietnam.

***Pseudoptilinus fissicollis* (Reitter in Reitter, Saulcy et Weise, 1877)**

Material examined. Bohemia, Nižbor, 1963, M. Sláma lgt., 1 ex.; Bohemia, Roztoky, v.1954, Krupka lgt., 1 ex.; Bohemia, Stará Boleslav, v.1955, Krupka lgt., 1 ex.; Moravia, Brno, v.1954, Krupka lgt., 1 ex.

***Xyletinus (Calypterus) bucephalus bucephalus* (Illiger, 1807)**

Material examined. Egypt, Kahira, x.1967, A. Olexa lgt., 1 ex.; Libya, Agedabia, 10.-22.ix.1982, O. Kodym lgt., 1 ex.

***Xyletinus (Xyletinus) ater* (Creutzer in Panzer, 1796)**

Material examined. Bohemia, Zbraslav, vi.1948, A. Olexa lgt., 1 ex.; Slovakia, Domic, v.1958, A. Olexa lgt., 2 ex.; Slovakia, Štúrovo, v.1961, A. Olexa lgt., 1 ex.; Slovakia, Zvolen, Zlaté Moravce, v.1956? A. Olexa lgt., 17 ex.; Slovakia, Zvolen, v.1951, A. Olexa lgt., 3 ex.; Slovakia, Zvolen, vi.1951, A. Olexa lgt., 2 ex.; Slovakia, Zvolen, vi.1954, A. Olexa lgt., 2 ex.; Slovakia, Zvolen, v.1956, A. Olexa lgt., 6 ex.; Slovakia, Zvolen, vi.1956, A. Olexa lgt., 2 ex.

***Xyletinus (Xyletinus) laticollis* (Duftschmid, 1825)**

Material examined. Slovakia, Domic, v.1960, A. Olexa lgt., 1 ex.; Slovakia, Zlaté Moravce, v.1956, A. Olexa lgt., 2 ex.; Azerbaijan, Čeram-Batan, Baku, 17.v.1975, A. Olexa lgt., 2 ex.; Azerbaijan, Zarat, 12.vi.1979, A. Olexa lgt., 1 ex.; Bulgaria, Arkutino, vii.1967, A. Olexa lgt., 1 ex.; Bulgaria, Arkutino, vi.1970, A. Olexa lgt., 1 ex.; Bulgaria, Arkutino, vi.1969, A. Olexa lgt., 4 ex.; Bulgaria, Sozopol, vi.1969, A. Olexa lgt., 5 ex.; Bulgaria, Sozopol, vi.1971, A. Olexa lgt., 1 ex.; Bulgaria, Sozopol, vii.1972, A. Olexa lgt., 1 ex.; Bulgaria, Sozopol, vii.1973, A. Olexa lgt., 2 ex.; Kazakhstan, Kara Tau Džambul, 8.v.1983, A. Olexa lgt., 1 ex.; Turkey, Silifke, Mersin, 30.vi.-2.vii.1983, A. Olexa lgt., 1 ex.

***Xyletinus (Xyletinus) longitarsis longitarsis* Jansson, 1942**

Material examined. Slovakia, Zlaté Moravce, v.1956, A. Olexa lgt., 2 ex.; Slovakia, Zvolen, vi.1951, A. Olexa lgt., 2 ex.; Slovakia, Zvolen, v.1952, A. Olexa lgt., 1 ex.; Slovakia, Zvolen, iv.1953, A. Olexa lgt., 1 ex.; Slovakia, Zvolen, vi.1954, A. Olexa lgt., 3 ex.; Slovakia, Zvolen, v.1956, A. Olexa lgt., 5 ex.; Bulgaria, Arkutino, vii.1969, A. Olexa lgt., 1 ex.

***Xyletinus (Xyletinus) moraviensis* Gottwald, 1977**

Material examined. Moravia, Pouzdřany, vi.1958, A. Olexa lgt., 1 ex.

***Xyletinus (Xyletinus) nardii* Zahradník, 2007**

Material examined. Azerbaijan, Zarat, 12.vi.1979, A. Olexa lgt., 5 ex.

***Xyletinus (Xyletinus) subrotundatus* Lareynie, 1852**

Material examined. Bulgaria, Arkutino, vi.1969, A. Olexa lgt., 2 ex.; Bulgaria, Arkutino, vi.1970, A. Olexa lgt., 2 ex.

***Xyletinus (Xyletinus) vaederoeensis* Lundberg, 1969**

Material examined. Bohemia, Praha, viii.1959, A. Olexa lgt., 1 ex.; Bohemia, Praha, vi.1960, A. Olexa lgt., 1 ex.; Bohemia, Praha, viii.1962, A. Olexa lgt., 1 ex.

Mesocoelopodinae

Mesocoelopodini

***Mesocoelopus niger* (P. W. J. Müller, 1821)**

Material examined. Slovakia, Bratislava, vi.1965, A. Pfeffer lgt., 1 ex.

Mesothini

***Mesothes ferrugineus* (Mulsant et Rey, 1861)**

Material examined. Bulgaria, Arkutino, vi.1969, A. Olexa lgt., 4 ex.; Bulgaria, Arkutino, vii.1969, A. Olexa lgt., 3 ex.; Bulgaria, Arkutino, vi.1970, A. Olexa lgt., 2 ex.; Bulgaria, Arkutino, vi.1971, A. Olexa lgt., 1 ex.; Bulgaria, Sozopol, vi.1971, A. Olexa lgt., 1 ex.; Russia, Soči, vi.1957, A. Olexa lgt., 1 ex.

Note. New species for Russia.

***Mesocoelopus* sp. 1**

Material examined. Bulgaria, Arkutino, vi.1970, A. Olexa lgt., 2 ex.; Bulgaria, Arkutino, vi.1969, A. Olexa lgt., 2 ex.

Dorcatominae

Dorcatomini

***Anitys rubens* (Hoffmann, 1803)**

Material examined. Slovakia, Zvolen, iv.1953, A. Olexa lgt., 4 ex.; Slovakia, Zvolen, iv.1971, A. Olexa lgt., 5 ex.

***Caenocara affine* (Sturm, 1837)**

Material examined. Bulgaria, Arkutino, vi.1969, A. Olexa lgt., 1 ex.; Georgia, Suchumi, vi.1957, A. Olexa lgt., 2 ex.

Note. New species for Georgia.

***Caenocara bovistae* (Hoffmann, 1803)**

Material examined. Bohemia, Čelákovice, 28.x.1945, A. Olexa lgt., 1 ex.; Bohemia, Jarov, 21.vii.1945, A. Olexa lgt., 1 ex.; Bohemia, Oleško, 30.ix.1945, A. Olexa lgt., 1 ex.

***Caenocara ruficeps* Pic, 1923**

Material examined. Vietnam, Tamdao, 13.-24.v.1989, A. Olexa lgt., 1 ex.

***Dorcatoma (Dorcatoma) dresdensis* Herbst, 1792**

Material examined. Bohemia, Dolní Počernice, 20.iv.1961, J. Strejček lgt., 3 ex.; Bohemia, Úštěk, iii.1960, J. Strejček lgt., 6 ex.; Bohemia, Zámuky, vi.1952, A. Olexa lgt., 1 ex.; Slovakia, Inovec, 4.vii.1948, A. Olexa lgt., 2 ex.; Slovakia, Zlaté Moravce, v.1956, A. Olexa lgt., 1 ex.

***Dorcatoma (Dorcatoma) japonicum* Pic, 1937**

Material examined. Japan, Mt. Shosanti, Tokusijima, 27.vii.1963, M. Kiuchi lgt., 2 ex.

***Dorcatoma (Dorcatoma) robusta* Strand, 1938**

Material examined. Slovakia, Muráň, v.1960, A. Olexa lgt., 1 ex.; Slovakia, Remetské Hámre, vi.1960, A. Olexa lgt., 1 ex.; Slovakia, Remetské Hámre, vii.1960, A. Olexa lgt., 1 ex., Sweden, Jd. Fors. sn., 4.vii.1946, Th. Palm lgt., 1 ex.

***Dorcatoma (Pilosodorcatoma) chrysomelina* Sturm, 1837**

Material examined. Slovakia, Zvolen, vi.1954, A. Olexa lgt., 5 ex.; Ukraine, Kiev, vii.1957, A. Olexa lgt., 1 ex.

***Dorcatoma (Pilosodorcatoma) minor* Zahradník, 1993**

Material examined. Slovakia, Remetské Hámre, vii.1961, A. Olexa lgt., 4 ex.; Slovakia, Zvolen, vii.1959, A. Olexa lgt., 10 ex.

***Dorcatoma (Pilosodorcatoma) substriata* (Hummel, 1829)**

Material examined. Sweden, Sk. Håckeberga, 26.vi.1953, Th. Palm lgt., 1 ex.

***Dorcatoma (Sternitorcatoma) flavicornis* (Fabricius, 1792)**

Material examined. Bohemia, Dobřichovice, vi.1953, A. Olexa lgt., 1 ex.; Slovakia, Zvolen, vi.1954, A. Olexa lgt., 1 ex.; Georgia, Gagra, Abchasia, vi.1965, A. Olexa lgt.

Prothecini

***Stagetus pilula* (Aubé, 1861)**

Material examined. Bulgaria: Arkutino, vii.1968, A. Olexa lgt., 1 ex.; Bulgaria: Arkutino, vi.1969, A. Olexa lgt., 1 ex.; Bulgaria: Arkutino, vi.1970, A. Olexa lgt., 1 ex.

***Stagetus khnzoriani* Español, 1969**

Material examined. Tadzhikistan, Takob, Hissar Mt., 21.v.1974, A. Olexa lgt., 9 ex.

***Stagetus* sp. 1**

Material examined. Georgia, Gagra, Abchasia, vi.1965, A. Olexa lgt., 2 ex. (females).

Bostrichidae**Psoinae**

Psoini

***Psoa vienensis* Herbst, 1792**

Material examined. Bohemia, Kožuch, 30.iv.1980, Nedved lgt., 1 ex.; Slovakia, Bratislava, 31.v.1923, Rambousek lgt., 2 ex.; Slovakia, Nitra, v.1955, A. Olexa lgt., 1 ex.; Slovakia, Nitra, v.1956, A. Olexa lgt., 18 ex.

Dinoderinae***Dinoderus minutus* (Fabricius, 1775)**

Material examined. Vietnam, 1 ex.

***Rhyzopertha dominica* (Fabricius, 1792)**

Material examined. Bohemia, Rakovník, vi.1968, A. Olexa lgt., 2 ex.; Bulgaria, Achtopol, vi.1971, A. Olexa lgt., 1 ex.; Kazakhstan, Makbal Džambul, 7.v.1981, A. Olexa lgt., 1 ex.

Note. New species for Bulgaria and Kazakhstan.

***Stephanopachys linearis* (Kugelann, 1792)**

Material examined. Sweden, Älvkarleby, Uppland, 2.vi.1955, Th. Palm lgt., 4 ex.

***Stephanopachys substriatus* (Paykull, 1800)**

Material examined. Bohemia, Opočno, vii.1955, A. Olexa lgt., 2 ex. (1 ex., JHAC); France, Abriés, 18.vii.1954, L. Leseigneur lgt., 3 ex.

Bostrichinae

Apatini

***Apate terebrans* Pallas, 1772**

Material examined. Guinea, Kankan, 1962, Krýsa lgt., 2 ex.

***Xylomedes coronata* (Marseul, 1863)**

Material examined. C. Atlas, v.1932, G. Aguegour lgt., 2 ex.

Bostrichini

***Amphicerus (Caenophrada) bimaculatus* (Olivier, 1790)**

Material examined. Algeria, Tipasa, 27.-28.v.1984, A. Olexa lgt., 1 ex.; Bulgaria, Ajtos, vi.1971, A. Olexa lgt., 1 ex.; Bulgaria, Sozopol, vi.1971, A. Olexa lgt., 17 ex.; Bulgaria, Sozopol, vi.1972, A. Olexa lgt., 1 ex.; Bulgaria, Sozopol, vii.1972, A. Olexa lgt., 1 ex.

***Bostrichus capucinus* (Linnaeus, 1758)**

Material examined. Moravia, Hodonín, 1.vi.1947, A. Olexa lgt., 3 ex.; Slovakia, Košice, v.1946, A. Olexa lgt., 1 ex.; Slovakia, Remetské Hámre, v.1949, A. Olexa lgt., 1 ex.; Slovakia, Zvolen, v.1951, A. Olexa lgt., 1 ex.; Slovakia, Zvolen, v.1952, A. Olexa lgt., 2 ex.; Azerbaijan, Čeran-Batan, Baku, 17.v.1975, A. Olexa lgt., 3 ex.; Azerbaijan, Čagačuk-Čaj, Baku, 18.v.1975, A. Olexa lgt., 3 ex.; Bulgaria, Arkutino, vii.1970, A. Olexa lgt., 1 ex.; Bulgaria, Arkutino, vi.1971, A. Olexa lgt., 4 ex.; Syria, Latakia env., 29.iv.1982, A. Olexa lgt., 1 ex.

***Bostrychoplites zickeli* (Marseul, 1867)**

Material examined. Tunisia, Nefta, 9.-10.vi.1982, A. Olexa lgt., 1 ex.

***Bostrychopsis parallela* Lesne, 1895**

Material examined. Vietnam, Hanoi, vi.1991, J. Strnad lgt., 1 ex.; Vietnam, Hoabinh, 4.-7.vi.1986, A. Olexa lgt., 2 ex.; Vietnam, SaPa, 11.-18.vi.1990, A. Olexa lgt., 1 ex.

***Heterobostrychus hamatipennis* (Lesne, 1895)**

Material examined. Vietnam, Haiphong, 1959, Brož lgt., 1 ex.; Vietnam, Halong, 29.v.-1.vi.1985, A. Olexa lgt., 1 ex.; Vietnam, Hoabinh, 4.-7.vi.1986, A. Olexa lgt., 5 ex.; Vietnam, Tamdao, 27.v.-2.vi.1985, A. Olexa lgt., 1 ex.; Vietnam, Tamdao, 20.-27.vi.1990, A. Olexa lgt., 4 ex.

***Lichenophanes numida* (Lesne, 1899)**

Material examined. Morocco, Rabat env., 5.v.1992, A. Olexa lgt., 1 ex.; Morocco, Rabat env., 18.v.1992, A. Olexa lgt., 2 ex.

***Lichenophanes varius* (Illiger, 1801)**

Material examined. Slovakia, Zvolen, vi.1954, A. Olexa lgt., 2 ex.; Bulgaria, Arkutino, vii.1969, A. Olexa lgt., 2 ex.; Bulgaria, Arkutino, vii.1970, A. Olexa lgt., 1 ex.; Bulgaria, Sozopol, vii.1973, A. Olexa lgt., 1 ex.; Iran, Elburs-Gebirge, S. v. Bodemeyer lgt., 1 ex.

***Micrapate xyloperthoides* (Jacquelin du Val, 1859)**

Material examined. Algeria, Tipasa, 15.-18.v.1984, A. Olexa lgt., 6 ex. (1 ex. JHAC).

Sinoxylini

***Calopertha truncatula* (Ancy, 1881)**

Material examined. Sudan, Khartoum, vii.1974, V. Seichert lgt., 1 ex.

Note. New species for Sudan.

***Sinoxylon ceratoniae* (Linnaeus, 1758)**

Material examined. Algeria, Djanet, 5.v.1987, A. Olexa lgt., 3 ex.

***Sinoxylon japonicum* Lesne, 1895**

Material examined. Japan, Nara pref., Ans vill., 13.v.1957, V. Uesumi lgt., 1 ex.

***Sinoxylon perforans* (Schrank, 1789)**

Material examined. Slovakia, Košice, v.1949, A. Olexa lgt., 1 ex.; Slovakia, Kováčov, 1937, 3 ex.; Slovakia, Štúrovo, v.1961, A. Olexa lgt., 1 ex.; Slovakia, Zlaté Moravce, viii.1956, A. Olexa lgt., 8 ex.

***Sinoxylon senegalense senegalense* (Karsch, 1881)**

Material examined. Sudan, Khartoum, vii.1974, V. Seichert lgt., 1 ex.

***Sinoxylon sexdentatum* (Olivier, 1790)**

Material examined. Algeria, Tipasa, 15.-18.v.1984, A. Olexa lgt., 4 ex.; Morocco, Fes env., 1.v.1991, A. Olexa lgt., 8 ex.; Syria, Latakia env., Zainie, 4.v.1982, A. Olexa lgt., 1 ex.; Tunisia, Monastir, 3.-4.vi.1982, A. Olexa lgt., 4 ex.

Xyloperthini

***Enneadesmus auricomus* Reitter, 1898**

Material examined. Uzbekistan, Chiva, Karakum, 1.-5.v.1979, A. Olexa lgt., 2 ex.

***Enneadesmus forficula forficula* Fairmaire, 1883**

Material examined. Algeria, Djanet, 5.v.1987, A. Olexa lgt., 2 ex.

***Scobicia chevrieri* (A. Villa & G.B.Villa, 1835)**

Material examined. Bulgaria, Arkutino, vii.1967, A. Olexa lgt., 2 ex.; Bulgaria, Arkutino, vii.1969, A. Olexa lgt., 3 ex.; Bulgaria, Arkutino, vii.1970, A. Olexa lgt., 5 ex.; Tunisia, Monastir, 3.-4.vi.1982, A. Olexa lgt., 1 ex.

***Xylogenes dilatatus* (Reitter, 1889)**

Material examined. Azerbaijan, Ćeram-Batan, Baku, 17.v.1975, A. Olexa lgt., 4 ex.; Turkmenistan, Annau, Aschabad, 23.iv.1979, A. Olexa lgt., 1 ex.

***Xylopertha retusa* (Olivier, 1790)**

Material examined. Bohemia, Nový Vestec, v.1953, A. Olexa lgt., 4 ex.; Bohemia, Unhošť, vi.1955, A. Olexa lgt., 1 ex.; Slovakia, Levice, 5.v.1955, A. Olexa lgt., 1 ex.; Slovakia, Zvolen, vi.1954, A. Olexa lgt., 1 ex.; Bulgaria, Arkutino, vii.1969, A. Olexa lgt., 1 ex.; Tunisia, Ain Draham, 6.-7.vi.1982, A. Olexa lgt., 1 ex.

***Xyloperthella picea picea* (Olivier, 1790)**

Material examined. Morocco, Tenerhir, Gorges du Torde, 5.v.1991, A. Olexa lgt., 3 ex.

***Xylopsocus capucinus* (Fabricius, 1781)**

Material examined. N Vietnam, TamDao, 900 m, 27.v.-2.vi.1986, A. Olexa lgt., 2 ex.; Vietnam, Hondai, vi.1958, Brož lgt., 1 ex.

***Xylothrips flavipes* (Illiger, 1801)**

Material examined. Vietnam, Haiphong, Šarý lgt., 1 ex.; Vietnam, Hoabinh, 4.-7.vi.1986, A. Olexa lgt., 2 ex.; Vietnam, Tamdao, 27.v.-2.vi.1986, A. Olexa lgt., 1 ex.

Lyctinae
Lyctini

***Lyctus africanus* Lesne, 1907**

Material examined. Morocco, Agdz, 8.v.1991, A. Olexa lgt., 3 ex. (1 ex. JHAC).

***Lyctus linearis* (Goeze, 1777)**

Material examined. Bohemia, Čelákovice, vi.1954, A. Olexa lgt., 2 ex. (1 ex. JHAC); Bohemia, Jarov, vi.1953, A. Olexa lgt., 6 ex. (3 ex. JHAC); Bohemia, Nový Vestec, v.1953, A. Olexa lgt., 2 ex. (1 ex. JHAC); Bohemia, Řevnice, vii.1952, L. Masner lgt., 2 ex. (1 ex. JHAC); Moravia, Hodonín, 1.vi.1947, A. Olexa lgt., 2 ex. (1 ex. JHAC); Slovakia, Zvolen, vi.1954, A. Olexa lgt., 4 ex. (2 ex. JHAC); Tadjzhikistan, Takob, Hissar Mt., 24.vi.1976, A. Olexa lgt., 2 ex. (1 ex. JHAC).

Note. New species for Tadjzhikistan.

***Lyctus pubescens* Panzer, 1793**

Material examined. Moravia, Strážnice, 3.vi.1947, A. Olexa lgt., 4 ex. (2 ex. JHAC); Russia, Soči, Abchasia, vi.1961, A. Olexa lgt., 2 ex. (1 ex. JHAC).

Trogoxylini

***Trogoxylon impressum* (Comolli, 1837)**

Material examined. Algeria, Tipasa, 15.-18.v.1984, A. Olexa lgt., 3 ex. (1 ex. JHAC); Bulgaria, Arkutino, vii.1969, A. Olexa lgt., 4 ex. (2 ex. JHAC).

Endecatomidae

***Endecatomus reticulatus* (Herbst, 1793)**

Material examined. Slovakia, Zvolen, v.1950, A. Olexa lgt., 1 ex.; Slovakia, Zvolen, iv.1951, A. Olexa lgt., 1 ex.; Slovakia, Zvolen, v.1951, A. Olexa lgt., 15 ex.

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REFERENCES

- BOROWSKI J. 2007a: Ptinidae (Gibbiinae and Ptininae). Pp. 328-339. In: LÖBL I. & SMETANA A. (eds.): *Catalogue of Palaearctic Coleoptera. Elateroidea - Derodontoidea - Bostrichoidea - Lymexyloidea - Cleroidea - Cucujoidea. Volume 4*. Stenstrup: Apollo Books, 935 pp.
- BOROWSKI J. 2007b: Bostrichidae. Pp. 320-328. In: LÖBL I. & SMETANA A. (eds.): *Catalogue of Palaearctic Coleoptera. Elateroidea - Derodontoidea - Bostrichoidea - Lymexyloidea - Cleroidea - Cucujoidea. Volume 4*. Stenstrup: Apollo Books, 935 pp.
- BOROWSKI J. & WĘGRZYNOWICZ P. 2007: *World Catalogue of Bostrichidae (Coleoptera)*. Olsztyn: Mantis, 247 pp.
- ESPAÑOL F. 1983: Nuevos Anobiidae (Col.) del sudeste Asiático. Nota 99. *Miscelánea Zoológica* 7: 75-90.
- LOGVINOVSKIY V. D. 1979: Novyy rod i novye vidy zhukov-tochilshchikov (Coleoptera, Anobiidae) iz Sredney Azii. *Trudy Zoologicheskogo Instituta AN SSSR* 88: 42-44. [in Russian].
- LOGVINOVSKIY V. D. 1985: *Fauna SSSR. Nasekomye Zhestokrylye. Tom XIV, vyp. 2. Tochilshchiki - semeystvo Anobiidae*. Leningrad: Nauka, 176 pp. [in Russian].
- PIC M. 1901: Diagnoses ou descriptions abrégées de divers coléoptères exotiques. *L'Echange, Revue Linnéenne* 17: 93-96.

- TOSKINA I. N. 2004: About genera *Anobium* Fabricius, 1775, and *Cacotemnus* LeConte, 1861 (Coleoptera: Anobiidae). *Russian Entomological Journal* 13: 53-68.
- ZAHRADNÍK P. 1995: New species of the genus *Neoxyletinus* Espanol, 1983 from Vietnam (Coleoptera, Anobiidae). *Folia Heyrovskyana* 3: 121-123.
- ZAHRADNÍK P. 2006: World catalogue of the family Endecatomiidae (Coleoptera: Bostrichoidea). *Studies and Reports of District Museum Prague-East. Taxonomical Series* 2: 142-144.
- ZAHRADNÍK P. 2007: Ptinidae (without Gibbiinae and Ptininae). Pp. 339-362. In: LÖBL I. & SMETANA A. (eds.): *Catalogue of Palaearctic Coleoptera. Elateroidea - Derodontoidea - Bostrichoidea - Lymexyloidea - Cleroidea - Cucujoidea. Volume 4*. Stenstrup: Apollo Books, 935 pp.