## Chrysomelidae (Coleoptera) of Laos from the collection of the Hungarian Natural History Museum

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Abstract – A list of 132 species is given, among them 54 species are recorded from Laos for the first time. A new genus (Martinella), 13 new species – Coenobius ruficollis (also from Vietnam), Nodina laotica, Tricliona laotica, T. minuta, Hoplasoma allardi, Cneorella flavipes, Martinella merkli, M. vietnamica (Vietnam), Monolepta subimpressa, Sermyloides foveatus, Dercetina rugosa, Zipangia merkli, Aphthonomorpha laosensis – and one subspecies (Chabria ornata laosica) are described. A key to genus Martinella is given. New synonyms: Lema funerea, Ortholema elongatior, O. punctaticeps = O. mandarensis; Lema lateralis = Lema coromandeliana; Micrispa yunnanica = M. dentatithorax. With 22 figures.

The Chrysomelidae of Laos are rather poorly investigated, in spite of a series of publications concerning the fauna of Indochina during the last 30 years. The present publication is based on the fairly large material of Hungarian Natural History Museum, all but a few exceptions collected by Dr. OTTÓ MERKL (curator of Coleoptera) and Dr. GÁBOR CSORBA (curator of Mammals) in March and April of 1998.

This material (about 600 specimens) includes 132 species, among them one genus, thirteen species and one subspecies are new for science. The great majority of the material is deposited in the Hungarian Natural History Museum (HNHM), some duplicates are in the author's collection (LM) and in one case in the Naturhistorisches Museum Basel (NHMB).

If not stated otherwise, the collectors are O. MERKL & G. CSORBA. I have omitted from the faunistic list any data concerning bibliography and general distribution of the species, as sufficient recently published data exist on these questions.

#### TAXONOMICAL PART

Ortholema mandarensis (JACOBY, 1897) comb. n. (Criocerinae)

Material - Laos, Vientiane, 200 m, 9-10 April 1998, at light, 1 specimen.

Remarks – Lema mandarensis JACOBY, 1897 is herewith transferred to the genus Ortholema HEINZE. Lema funerea JACOBY, 1908, syn. n., Ortholema elongatior PIC, 1926, syn. n., O. punctaticeps PIC, 1929, syn. n. are new synonyms of this species. Prothorax of this species is dark blue, mostly more or less red at base, rarely entirely red. This species is widely distributed in southern and eastern India, Assam, Thailand, Cambodia, Laos, Vietnam, South China and Sumatra. From Sumatra I have seen a specimen with HEINZE's label "Incisolema advena n. sp." (manuscript name).

### Coenobius ruficollis, sp. n. (Cryptocephalinae)

Description – Black; head, 6 basal segments of antennae, prothorax and legs fulvous. Body robust, ovate. Head shining, with deep sparse punctures. Antennae with segments 6–11 thickened, segments 7–10 as long as wide. Prothorax short, 1.9 times as wide as long, strongly narrowed anteriorly, side margins feebly rounded, hind margin with median lobe rounded. Surface with a row of punctures along basal margin and transverse grooves on each side interrupted in middle; rest of surface impunctate or with a few punctures near hind angles. Scutellum lanceolate. Elytra 1.1 times as long as wide, punctures in rows not deep, interspaces broad and flat, except two outermost. Pygidium densely punctate. Pygidium finely and densely punctate with microsculptured surface. Prosternum quadrangular, twice as wide as long, ridged on sides. Segment 1 of anterior tarsus of male slightly thickened. Length 1.85–2.5 mm.

Type material – Holotype (LM): Vietnam, Shapa, 1500 m, April 1975, L. MEDVEDEV leg. Paratypes: same locality, 1 female (LM); – Vietnam, prov.Vinh-Phu, Tam Dao, 900 m, 12–22.IV.1986, leg. L. MEDVEDEV, 2 females (LM); – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 1 male, 1 female (HNHM).

Remarks – This species might be compared in the Indochinese fauna only with *C. subsemicinctus* PIC, 1943, which however has bicolorous elytra. Similarly colored are *C. baronii* LOPATIN, 1979 from Himalaya, which is smaller (1.5–1.7 mm) and with differently sculptured prothorax and *C. sulcicollis* BALY, 1873 from Japan and possibly South China, which is larger, with strongly punctured basal part of prothorax.

## Nodina laotica sp. n. (Eumolpinae) (Fig. 1)

Description – Dark bronze to dark blue, labrum and legs including trochanters fulvous, antennae fulvous with more or less infuscate apical segments. Body ovate, 1.3 times as long as wide. Head shining, with strong sparse punctures, without hairs. Clypeus arcuately emarginate on anterior margin, with parallel lateral ridges. Ocular groove narrow, deep. Mandibles of male not enlarged. Antennae scarcely reach base of prothorax, segment 3 much shorter than 2 and equal to 3, which slightly widened; next segments distinctly widened, about as long as wide; apical segment elongate ovate. Prothorax twice as wide as long, shining, distinctly punctate throughout. Elytra without ridges in both sexes, rows of punctures more feeble at sides and on apical slope. Propleurae densely microsculptured, without punctures. Prosternum 2.5 times as wide as long, transversely concave and punctured. Metasternum impunctate. Segment 1 of anterior and mid tarsi broadly widened in male. Aedeagus (Fig. 1) parallel-sided, narrow, with elongate-triangular apex, straight and thin in lateral view, underside evenly convex. Length 2.4–2.7 mm.

Type material – Holotype (male): Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998. (HNHM). Paratypes: same locality, 20 ex. (HNHM, 4 ex. – LM); – Laos, Vientiane, 270 m, 24 March 1998, in city gardens, 3 ex. (HNHM, 1 ex. – LM).

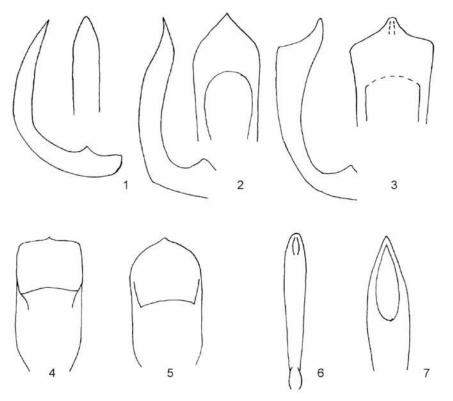
Remarks – The genus Nodina needs a thorough revision, because many species might be exactly determined only with characters of aedeagus, which is unknown for the most Oriental species. In any case, large series from Laos can not be definitely connected with any known species from China, Indochina and India. According to the key proposed by KIMOTO & GRESSITT (1982) for Indochina, this species corresponds to N. pusilla MOTSCHULSKY, 1858 but the type of MOTSCHULSKY's species has quite different aedeagus.

This species belongs to a group with fulvous legs and simple elytra of female. Among them *N. chinensis* WEISE, 1922 is large, with blue colour, *N. liui* GRESSITT et KIMOTO, 1961, *N. hongshana* GRESSITT et KIMOTO, 1961 *N. rufipes* JACOBY, 1908 much smaller, *N. similis* KIMOTO et GRESSITT, 1982 smaller and with propleurae only partly microsculptured, *N. parvula* JACOBY, 1892 with quite different aedeagus (MEDVEDEV & SPRECHER 1999), same with *N. pusilla* MOTSCHULSKY, 1858. *N. laevicollis* MOTSCHULSKY, 1858 seems to be the nearest species, but has prothorax very feebly punctate, especially on sides, and aedeagus more cuneiform and with other sculpture of upperside.

# **Tricliona laotica** sp. n. (Eumolpinae) (Fig. 4)

Description – Entirely fulvous with 6 apical segments of antennae black. Body elongate ovate. Clypeus not distinctly separated from frons, sparsely punctate; frons practically impunctate, longitudinally grooved. Antennae reaching a little behind humerus, proportions of segments are as 8–5–6–6–5–7–9–8–8–8–10. Prothorax 1.5 times as wide as long, broadest at base; with lateral margins almost straight and anterior angles produced, surface shining and impunctate. Scutellum elongate. Elytra parallel-sided, broadly rounded on apex, 1.25–1.35 times as long as wide, postbasal impression absent, rows of punctures feeble and practically absent in posterior half, interspaces broad and flat. Anterior femora with large acute tooth, segment 1 of anterior tarsi moderately widened in male. Aedeagus truncate on apex, with small central tip (Fig. 4). Length 3.8–4.5 mm.

*Type material* – Holotype (male): Laos, Bolikhamsay Prov., Phou Khao Khouay NBCA, Tad Leuk Waterfall, 280 m, 11–12 April 1998. (HNHM). Paratypes: same locality and date, 9 ex. (HNHM, 2 ex. – LM).



Figs 1–7. Aedeagus:  $1 = Nodina\ laotica$ , lateral and ventral,  $2 = N.\ coerulea$ ?, form A, lateral and ventral,  $3 = N.\ sp.$ , lateral and ventral,  $4 = Tricliona\ laotica$ , dorsal,  $5 = T.\ minuta$ , dorsal,  $6 = Hoplasoma\ allardi$ , ventral,  $7 = Cneorella\ flavipes$ , dorsal

Remarks – Near T. suturalis KIMOTO et GRESSITT, 1982, but body entirely fulvous and much larger, frons and prothorax impunctate.

# **Tricliona minuta** sp. n. (Eumolpinae) (Fig. 5)

Description – Very near to preceding species, differing only in a few characters. Entirely fulvous, 5 apical segments of antennae darkened on apex. Body elongate. Head impunctate, frons not or very feebly grooved. Prothorax 1.4 times as wide as long, broadest in basal third, with lateral margins distinctly rounded; surface impunctate. Scutellum triangular, a little broader than long. Elytra 1.2–1.25 times as long as wide, with distinct, however not deep postbasal impression, rows of punctures very feeble and distinct mostly in postbasal impression. Aedeagus rounded on apex, with small central tip (Fig. 5). Length 2.8–3.8 mm.

*Type material* – Holotype (male): Laos, Bolikhamsay Prov., Phou Khao Khouay NBCA, Tad Leuk Waterfall, 280 m, 11–12 April 1998, (HNHM). Paratypes: same locality and date, 1 male, 4 females (HNHM, 2 specimens – LM).

Remarks – It differs from T. laotica sp. n. mainly in the shape of the aedeagus.

## Hoplasoma allardi sp. n. (Galerucinae) (Fig. 6)

Description. Very near to *H. longicornis* ALLARD, 1888, differs only in other form of elytral apices, darkened tibiae and tarsi and parallel-sided aedeagus. Pale flavous, apical half of antennae infuscate, tibiae and tarsi fuscous to black (very feebly darkened in specimens from Vietnam). Apices of elytra feebly emarginate, with acute sutural angle (in *H. longicornis* they are broadly rounded). Aedeagus thin and long, parallel-sided, in lateral view curved just near base (Fig. 6) while in *H. longicornis* it is spear-like and curved much further from base. Length of male 7–7.1 mm, of female 7.5–7.8 mm.

Type material – Holotype (male): Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998. (HNHM). Paratypes: same locality, 1 male (LM), 1 female (HNHM); – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, at light, 1 female (HNHM); – Vietnam, Tam Dao, 900 m, VII.1982, leg. L. MEDVEDEV, 2 females (LM).

Remarks – It seems that this new species is distributed in Laos and North Vietnam, while *H. longicornis*, described from "East India" is known only from South Vietnam.

## Cneorella flavipes sp. n. (Galerucinae) (Fig. 7)

Description. Metallic dark green, antennae fuscous with fulvous basal segments, apices of femora, tibiae, tarsi and abdomen fulvous. Body elongate ovate. Head with sharply delimited and convex frontal tubercles, vertex sparsely punctate. Antennae reach apical slope of elytra, proportions of segments are as 15–6–10–14–15–15–15–17–15–16. Prothorax 1.65 times as wide as long, shining, finely and not densely punctate. Elytra 1.3 times as long as wide, shining, strongly punctate, with feeble postbasal impression. Tarsal segments of male not enlarged. Aedeagus with simple triangular apex (Fig. 7). Length of male 4.1 mm, of female 4.4–4.6 mm.

Type material – Holotype (male): Laos, Champassak prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'n, 106°13'e, 800 m, 1–5 April 1998. (HNHM). Paratypes: same locality, 2 females (HNHM, LM).

Remarks – Near C. cyanea MEDVEDEV et DANG DAP, 1981, differs with legs largely fulvous and aedeagus with simple apex (in all typical species of Cneorella aedeagus is bifurcate). This species is also very similar to the species of Calomicrus STEPHENS, 1834, but has a distinct spur on mid and hind tibiae.

## Martinella gen. n. (Galerucinae)

In 1892 Dr. MARTIN JACOBY described a new species from Burma, which he placed doubtfully in the genus *Agelastica* Chevrolat, 1837 (he had only a single female). One hundred years later KIMOTO (1989) placed this species (*Agelastica fulva JACOBY*, 1892) in the genus *Calomicrus STEPHENS*, 1834 and described *C. persimilis* KIMOTO, 1989, nearest to JACOBY's species. Now I have at my disposal two more species of this group, represented with good series from Laos and Vietnam, as well as a type of *Agelastica fulva JACOBY*. They cannot be placed either in *Agelastica* or in *Calomicrus*, and I propose a new genus for them. Theoretically *Agelastica fulva JACOBY* might be a type species of the genus, but because only one female is known I prefer to propose for type species a new species from Laos.

Description – Body oblong ovate, rather large, resembles Agelastica. Frontal tubercles triangular, with anterior angles produced to interantennal space, clypeus with longitudinal ridge. Maxillar palpi not thickened, with last segment not shorter than segment 3. Antennae thin and long, segment 3 about 1.5 times as long as 2, segment 4 much longer than 3. Prothorax transverse with margined posterior and unmargined anterior border, convex except short transverse impression on each side behind anterior angles. Elytra irregularly punctate, without postbasal impression, with short and very sparse erect hairs, more distinct on margins. Epipleurae broad at base, gradually narrowed behind anterior third and disappear before apex. Anterior coxal cavities open, prosternum between

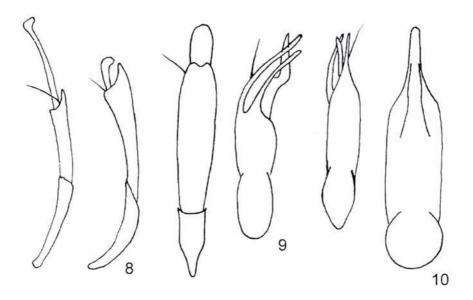
coxae indistinct. Mesosternal process very narrow. Mid and hind tibiae with short spur. Segment 1 of hind legs as long as two next segments together. Claws with sharp tooth. Aedeagus very complicate.

Type species - Martinella merkli sp. n.

Remarks – Differs from Agelastica and Calomicrus by unmarginate anterior border of prothorax, impressions near its anterior angles and very complicate structure of aedeagus. This genus seems to be very near to Hesperopenna L. MEDVEDEV et DANG DAP, 1981, but differs by quite different pubescence of elytra. This genus is dedicated to the memory of Dr. MARTIN JACOBY.

## Martinella merkli sp. n. (Galerucinae) (Figs 8, 14, 17)

Description – Fulvous with black tibiae and tarsi. Head impunctate, with deep and sharp transverse groove behind frontal tubercles. Proportions of antennal segments in male are as 18–6–9–20–20–19–19–19–17–17. Prothorax 1.5 times as wide as long, shining, very finely punctate. Elytra 1.4 times as long as wide, distinctly and densely punctate. Pygidium punctate throughout except base, hind margin rounded-truncate in male, prolonged in acute tooth in female



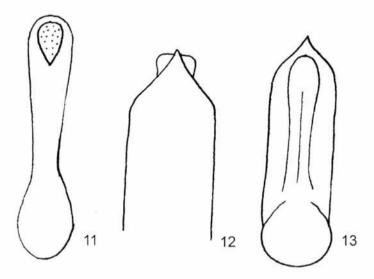
Figs 8–10. Aedeagus:  $8 = Martinella\ merkli$ : lateral with produced median lobe in normal position; ventral,  $9 = M.\ vietnamicus$ , lateral and ventral,  $10 = Monolepta\ subimpressa$ , ventral

(Fig. 14). 5th sternite of male with small central lobe, of female triangular (Fig. 17). Tarsal segments identical in both sexes. Aedeagus with very long basal part and rather short main part looking as a tube, splitted on underside almost to base; inside this tube with strongly sclerotized thin and long plate and one long spicula (Fig. 8). Length 7–8.5 mm.

Type material – Holotype (male): Laos, Bolikhamsay Prov., Phou Khao Khouay NBCA, Tad Leuk Waterfall, 280 m, 11–12 April 1998, at light, (HNHM). Paratypes: same locality, 16 ex. (HNHM, 3 ex. – LM).

## Martinella vietnamica sp. n. (Galerucinae) (Figs 9, 15, 18)

Description – Fulvous with black tibiae and tarsi; antennae infuscate except 1–2 basal segments. Morphologically almost identical with preceding species. Proportions of antennae segments of male are as 12–3–5–13–14–14–12–12–12–11. Prothorax 1.65 times as wide as long, very finely punctate. Elytra 1.4 times as long as wide, finely punctate. Pygidium of female broadly rounded (Fig. 15), 5th sternite of female transverse with almost straight hind margin (Fig. 18). Aedeagus (Fig. 9) very complicate, underside with long curved process starting a little before apex, upperside with two very long processes; flagellum thin and very long. Length of male 5.7–6.3 mm, of female 6.9 mm.



**Figs 11–13.** Aedeagus: 11 = *Dercetina rugosa*, ventral, 12 = *Zipangia merkli*, ventral, 13 = *Aphthonomorpha laosensis*, ventral

Type material – Holotype (male): Vietnam, prov. Daklak, 40 km NW Buonmethuot, Buon Ya Wam, 450 m, 2–3. V. 1986, leg. L. MEDVEDEV (LM). Paratypes: same locality, 1 male, 1 female (LM); 12 km SW Buonmethuot, Lake Eakao, 23–24.VI. 1986, leg. L. MEDVEDEV, 1 male (LM).

#### KEY TO THE SPECIES OF MARTINELLA GEN. N.

- 1(4) Legs entirely fulvous. Pygidium of female not acute on apex (Fig. 16).
- 2(3) Body smaller, 4.8–6.5 mm (type 6.5 mm). Prothorax more transverse, about 1.7 times as wide as long. Last abdominal sternite of female triangular (Fig. 19). Burma; according to KIMOTO (1989) also in Thailand, Laos and Vietnam. Male unknown.
  M. flava (JACOBY, 1892), comb. n.
- 3(2) Body larger, 6.6–6.9 mm. Prothorax less transverse, about 1.5 times as wide as long. Structure of aedeagus unknown. Laos, South Vietnam.

M. persimilis (KIMOTO, 1989), comb. n.

- 4(1) Tibiae and tarsi black.
- 5(6) Body large, 7–8.9 mm. Aedeagus as in Fig. 8. Pygidium of female with acute apex (Fig. 14). Laos.
  M. merkli sp. n.
- 6(5) Body smaller. Pygidium of female without acute apex (Fig. 15).
- 7(8) Antennae infuscate. Aedeagus as in Fig. 9. Length 5.7–6.7 mm. South Vietnam.
  M. vietnamica sp. n.
- 8(7) Antennae not infuscate. Aedeagus unknown. Length 4.8–6 mm. Exact localities unknown. Here are specimens cited by KIMOTO (1989) as colour variation of *M. flava* (JACOBY) (possibly identical with preceding species).

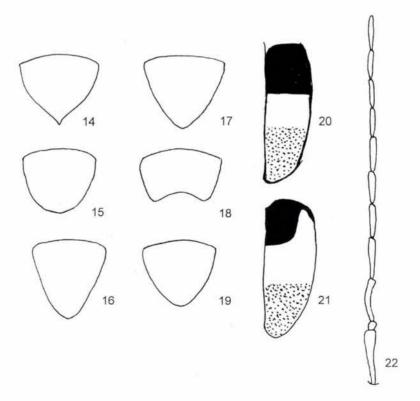
## Monolepta subimpressa sp. n. (Galerucinae) (Figs 10, 20–21)

Description – Fulvous, elytra with anterior third black (often deeply incised in humeral area), apical third red (Figs 20–21), scutellum and metasternum black, abdomen red. Body elongate. Head impunctate, with triangular frontal tubercles, sharply delimited behind. Antennae almost reach apex of elytra, proportions of segments are as 11–4–5–12–11–11–11–11–10–10. Prothorax 1.7 times as wide as long, without impressions, finely punctate, with interspaces microscopically punctate. Elytra 1.6–1.65 times as long as wide, distinctly punctate, especially anteriorly, with microsculptured

interspaces; in male with longitudinal shallow depression along suture in anterior part. Segment 1 of hind tarsus about half of tibia length and 1.5 times longer than next segments together. Aedeagus as in Fig. 10. Length 5.2–6.2 mm.

*Type material* – Holotype (male): Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998. (HNHM). Paratypes: same locality, 2 males, 1 female (HNHM, 1 ex. – LM).

Remarks – Belongs to the group with modified elytra of male, however modification is very feeble in this species. Near M. scutellaris KIMOTO, 1989 but colour is different and male without tuft of hairs on elytra near scutellum.



Figs 14–22. 14–16. Pygidium of female: 14 = Martinella merkli,15 = M. vietnamicus,16 = M. flava (type). 17–19. Last abdominal sternite of female: 17 = M. merkli, 18 = M. vietnamicus, 19 = M. flava (type). 20–21. Elytral pattern of Monolepta subimpressa. 22 = Antenna of Sermyloides foveatus, male

## Sermyloides foveatus sp. n. (Galerucinae) (Fig. 22)

Description – Fulvous, antennae except segment 1 and metasternum black, hindfemora piceous. Male. Body ovate. Head impunctate, moderately concave before antennae bases, anterior part of this concavity with tubercle bearing two groups of erect setae; clypeus with transverse ridge, bituberculate in middle, each tubercle with erect seta. Antennae reach apical slope of elytra, proportions of segments are as 16–2–13–12–10–10–9–9–8–10; segment 3 distinctly curved (Fig. 22). Prothorax 2.1 times as wide as long, narrowed anteriorly, lateral margins feebly rounded, surface sparsely punctate and microsculptured. Scutellum triangular, with acute apex. Elytra 1.45 times as long as wide, slightly widened to behind, distinctly punctate, interspaces rather shining, with feeble microsculpture; each elytron with round groove near base between humerus and scutellum. Length 5–5.6 mm. – Female. Head simple, third antennal segment straight, elytra without basal groove. Length 5–5.5 mm.

Type material – Holotype (male): Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998. (HNHM). Paratypes: same locality, 7 specimens (HNHM, 2 ex. – LM).

Remarks – Among the numerous species of this genus only two, both from China, have basal groove on elytra. S. wangi YANG, 1993 has however black anterior part of head and apex of elytra. Another species, S. biconcava YANG, 1990 has different structure of head and antennae of male; elytral groove seems to be connected with humeral area (in short and not very clear English abstract of description is said: "on each humerus of elytron with a shallow concave").

## **Dercetina rugosa** sp. n. (Galerucinae) (Fig. 11)

Description – Head dark metallic green with fulvous clypeus, antennae black with segment 1 fulvous, segments 2 and 3 dark brown; prothorax fulvous, scutellum black, elytra metallic green, underside fulvous with abdominal segments 2–5 piceous to black, legs fulvous with black tarsi. Body robust. Head impunctate, with deep transverse groove behind frontal tubercle. Antennae about 2/3 of body length, proportions of segments in male are as 10–3–7–13–12–11–10–10–9–10. Prothorax 1.7–1.8 times as wide as long, much narrower than elytra, quadrangular, with almost straight lateral margins, strongly convex, without any signs of depressions, impunctate. Elytra almost parallel-sided, 1.4 times as long as wide, humeral tubercle convex and impunctate, other surface roughly and rugosely punctate, shining, with interspaces smaller than diameter of punctures; lateral part of elytra with more or less distinct 1 or 2 ridges. Segment 1 of anterior and mid tarsi feebly thickened in male, as wide as segment 2. Aedeagus thin and long, slightly curved in lateral view (Fig. 11). Length of male 5.9–6 mm, of female 6.8 mm.

Type material – Holotype (male): Laos, Vientiane Prov., Vang Vieng, near Poukham Cave, 300 m, 21 March 1998. (HNHM). Paratypes: same locality, 2 specimens (HNHM, LM).

Remarks – The very rough sculpture of elytra is characteristic; among Dercetina GRESSITT et KIMOTO, 1963 only D. travancorensis MAULIK, 1936 from South India has sculpture of same type, but in latter species head and antennae are fulvous, elytra with four ridges, including two of them near suture; proportions of antennae are also different.

# **Zipangia merkli** sp. n. (Alticinae) (Fig. 12)

Description – Fulvous with antennal segments 3–11 pitch brown to black. Head impunctate, shining. Frontal tubercles rounded-triangular, poorly delimited on sides, frontal groove deep and sharp, feebly arcuate. Frons almost twice as wide as eye diameter. Antennae reach middle of elytra, with apical segments slightly thickened, proportions of segments are as 9–5–6–5–7–6–7–9, preapical segments about 1.5 times as long as wide. Prothorax 1.6–1.7 times as wide as long, lateral margins feebly rounded, sharply oblique near anterior angles, surface shining, strongly, but not very densely punctate, with shallow basal groove, more deep in middle. Elytra 1.3 times as long as wide, without basal convexity, shining, strongly punctate. Tarsal segment 1 of fore legs moderately widened in male. Aedeagus as in Fig. 12. Length 3.3–3.9 mm.

Type material – Holotype (male): Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998. (HNHM). Paratypes: same locality, 5 ex. (HNHM, 2 ex. – LM).

Remarks – Near Z. infuscaticornis SCHERER, 1979, but the latter is smaller (2.3–2.7 mm), with 4th antennal segment 1.5 times as long as 3rd, preapical segments not less than twice as long as wide and aedeagus of other form.

# **Aphthonomorpha laosensis** sp. n. (Alticinae) (Fig. 13)

Description – Black; head, basal segments of antennae, prothorax, legs except hind femora and abdomen, especially behind fulvous. Body elongate ovate. Head impunctate, frontal tubercles indistinct, ocular grooves sharp. Antennae reach anterior third of elytra, segment 3 as long as 2 and 4, 5th a little longer than 4 and subequal to the next segments. Prothorax 1.6 times as wide as long, side margins practically straight and parallel, sharply oblique before anterior angles, surface deeply punctate. Elytra 1.4 times as long as wide, with very feeble basal convexity, with regular rows of strong punctures except sutural area where they are entirely confused. First abdominal segment without ridges on base. Hind tarsus with segment 1 very long, about 0.6 of tibia length. Aedeagus (Fig. 13) with deep and sharply delimited longitudinal groove on underside. Length 3–3.5 mm.

Type material – Holotype (male): Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998. (HNHM). Paratypes: same locality, 3 ex. (HNHM, 1 ex. – LM); – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 1 ex. (LM).

Remarks. Resembles in colour A. collaris BALY, 1877 but larger, with confused punctures near suture, shorter basal segment of hind tarsus and unarmed process of the first abdominal segment.

### Chabria ornata laosica ssp. n. (Alticinae)

Description – Differs from the nominotypical form by entirely black or pitchy black prothorax and practically impunctate elytra; apical antennal segment also black with fulvous apex. Typical form from Cambodia and Thailand has prothorax red, sometimes with two black spots, elytra distinctly punctate and 11th antennal segment usually entirely fulvous.

Type material – Holotype: Laos, Louangprabang Prov., 5 km W Ban-Song Cha (20° 33'N, 102° 14'E), 1200 m, 1–16. V. 1999, leg. V. KUBÁN (NHMB). Paratypes: same locality, 1 ex. (NHMB); – Louangnamtha Prov., Namtha-Muang Sing (21° 09'N, 101° 49'E), 900 m, 5–31. V. 1997, leg. V. KUBÁN, 1 ex. (LM); – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 1 ex. (HNHM).

#### FAUNISTIC DATA

### Subfamily Criocerinae

Lema (Petauristes) femorata GUÉRIN, 1844 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 1 specimen.

Lema (s. str.) nigrobimaculata PIC, 1924 – Laos, Bolikhamsay Prov., Phou Khao Khouay NBCA, Tad Leuk Waterfall, 280 m, 11–12 April 1998, 1 specimen.

Lema (s.str.) coromandeliana (FABRICIUS, 1798) – Laos, Vientiane Prefecture, Houay Yang Forest Reserve, 200 m, 10 April 1998, secondary forest, 1 specimen. – Remarks. A specimen with bicolorous elytra (as in ab. commelinae GRESSITT). L. lateralis JACOBY, 1893 is a syn. n. of this species.

Ortholema mandarensis (JACOBY, 1897) - See p. 162.

### Subfamily Clytrinae

Aspidolopha melanophthalma LACORDAIRE, 1848 – Laos, Vientiane Prov., Vang Vieng, near Chang Cave, 300 m, 22 March 1998, 1 specimen.

Miochira variegata LEFEVRE, 1890 – Laos, Vientiane Prov., Vang Vieng, near Poukham Cave, 300 m, 21 March 1998, 1 specimen.

Aetheomorpha sodalis LACORDAIRE, 1848 – Laos, Champassak Prov., 25 km SE of Pakxe, bank of Banglieng River, 14°58'N, 105°55'E, 200 m, 30 March 1998, at light, 11 specimens.

Smaragdina divisa JACOBY, 1889 – Laos, Bolikhamsay Prov., Phou Khao Khouay NBCA, Tad Leuk Waterfall, 280 m, 11–12 April 1998, at light, 1 specimen; – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, at light, 2 specimens. – Remarks. First record from Laos.

### Subfamily Cryptocephalinae

Melixanthus placidus BALY, 1877 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 2 specimens. – Remarks. First record from Laos.

Coenobius ruficollis sp. n. - See p. 162.

### Subfamily Chlamisinae

Chlamisus castaneus (CHEN, 1940) – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 1 specimen. – Remarks. First record from Laos.

## Subfamily Lamprosomatinae

Oomorphoides tonkinensis (CHUJO, 1935) – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 2 specimens.

## Subfamily Eumolpinae

Nodina chalcosoma BALY, 1874 – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 1 specimen; – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 37 specimens. – Remarks. First record from Laos.

Nodina laotica sp. n. - See p. 163.

Nodina coerulea CHEN, 1940 (Fig. 2) – Form A, size 2–2.5 mm, aedeagus as in Fig. 2: Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 23 specimens; Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 1 specimen; possibly this form is a real N. coerulea CHEN. Form B (size 2.7–3.3 mm., females): Laos, Vientiane Prov., Vang Vieng, near Poukham Cave, 300 m, 21 March 1998, 1 specimen; – Laos,

Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 2 specimens; Laos, Bolikhamsay Prov., Phou Khao Khouay NBCA, Tad Leuk Waterfall, 280 m, 11–12 April 1998, 1 ex. Possibly these are large females of the preceding form, at least partly. – *Remarks*. This species is not quite clear. CHEN described it from North Vietnam having only one specimen; it is a rather large specimen (2.6 mm). I have from Indochina 2 specimens, which entirely correspond to *N. coerulea*, but differ from each other rather well in the form of aedeagus. The first form has aedeagus as on Fig. 2 (South Vietnam: Buon Loi, South Laos, Thailand) and size about 2–2.7 mm, the other form with aedeagus as in Fig. 3 and size 2.2–2.6 mm. (South Vietnam, North Laos). Six specimens in my collection from North Vietnam (size 2.4–2.9 mm) are females. According KIMOTO (1982) all these forms belong to *N. coerulea*.

Basilepta multimaculata KIMOTO et GRESSITT, 1982 – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 3 specimens. – Remarks. First record from Laos.

Basilepta congregata JACOBY, 1908 – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 2 specimens; – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 2 specimens.

Basilepta frontalis BALY, 1867 – Laos, Bolikhamsay Prov., Phou Khao Khouay NBCA, Tad Leuk Waterfall, 280 m, 11–12 April 1998, 1 specimen.

Pagria signata (MOTSCHULSKY, 1858) – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 1 specimen; – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 5 specimens; – Laos, Vientiane Prefecture, Houay Yang Forest Reserve, 200 m, 10 April 1998, secondary forest, 1 specimen.

Scelodonta dillwyni (STEPHENS, 1831) – Laos, Bolikhamsay Prov., Phou Khao Khouay NBCA, Tad Leuk Waterfall, 280 m, 11–12 April 1998, 1 specimen.

Colasposoma auripenne MOTSCHULSKY, 1860 – Laos, Bolikhamsay Prov., Phou Khao Khouay NBCA, Tad Leuk Waterfall, 280 m, 11–12 April 1998, 1 specimen.

Colasposoma downesii BALY, 1862 – Material. Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 1 specimen; – Laos, Vientiane Prefecture, Houay Yang Forest Reserve, 200 m, 10 April 1998, secondary forest, 1 specimen.

Demotina tuberosa CHEN, 1935 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 5 specimens.

Aulexis hochii CHEN, 1940 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 1 specimen. – Remarks. First record from Laos.

Aulexis tibialis JACOBY, 1889 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 1 specimen. – Remarks. First record from Laos.

Pachnephorus porosus BALY, 1878 – Laos, Vientiane Prov., Vang Vieng, near Chang Cave, 300 m, 22 March 1998, at light, 4 specimens; – Laos, Champassak Prov., 25 km SE of Pakxe, bank of Banglieng River, 14°58'N, 105°55'E, 200 m, 30 March 1998, at light, 4 specimens; – Laos, Vientiane, 200 m, 9–10 April 1998, at light, 1 specimen.

Cleoporus variabilis (BALY, 1874) – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 28 specimens.

Cleoporus tibialis (LEFEVRE, 1885) – Laos, Bolikhamsay Prov., Phou Khao Khouay NBCA, Tad Leuk Waterfall, 280 m, 11–12 April 1998, 1 specimen. – Remarks. First record from Laos.

Cleoporus vietnamensis L. MEDVEDEV et EROSHKINA, 1985 – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 4 specimens. – Remarks. First record from Laos.

Tricliona laotica sp. n. - See p. 164.

Tricliona minuta sp. n. - See p. 165.

Cleorina aeneomicans (BALY, 1867) – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 2 specimens; – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 1 specimen.

Cleorina purpureicollis PIC, 1937 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 7 specimens. – Remarks. First record from Laos. This species was synonymized with C. aeneomicans BALY (KIMOTO & GRESSITT 1982), but this statement needs additional confirmation.

Platycorynus peregrinus (HERBST, 1783) – Laos, Vientiane pref., Xieng Khuan, 25. V. 1998, leg. B. BUZÁS & B. FARKAS, 23 specimens.

Platycorynus laosensis KIMOTO et GRESSITT, 1982 – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 1 specimen.

Platycorynus undatus (OLIVIER, 1791) – Laos, Vientiane Prov., Vang Vieng, near Chang Cave, 300 m, 22 March 1998, 1 specimen; – Vientiane pref., Xieng Kuang, 25. V. 1998, leg. B. BUZÁS & B. FARKAS, 2 specimens.

Platycorynus dilaticollis (JACOBY, 1892) – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 2 specimens. – Remarks. First record from Laos.

### Subfamily Galerucinae

Pyrrhalta unicostata (PIC, 1937) – Laos, Vientiane Prov., Vang Vieng, near Chang Cave, 300 m, 22 March 1998, at light, 2 specimens.

Galerucella placida BALY, 1878 – Laos, Vientiane, 270 m, 24 March 1998, in city gardens, 2 specimens.

Oides andrewesi JACOBY, 1900 – Luang Prabang, Puh Si, Wat Paa Huak garden, 21. V.1998, leg. B. BUZÁS & B. FARKAS, 1 specimen.

Agetocera hopei BALY, 1865 – Laos, Champassak Prov., Nong Luang village, 12 km S of Pakxong, 15°6'N, 106°13'E, 800 m, 6 April 1998, at light, 2 specimens; – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 3 specimens.

Aulacophora indica (GMELIN, 1790) – Laos, Vientiane Prov., Xieng Kuang, 25. V. 1998, leg. B. BUZÁS & B. FARKAS, 1 specimen.

Aulacophora palliata (SCHALLER, 1783) – Laos, Vientiane Prov., Vang Vieng, near Poukham Cave, 300 m, 21 March 1998, 1 specimen. – Remarks. First record from Laos.

Pseudocophora pectoralis BALY, 1888 – Laos, Luang Prabang Prov., Kuang Si waterfalls, 22.
V. 1998, leg. B. BUZÁS & B. FARKAS, 1 specimen.

Pseudocophora flaveola BALY, 1888 – Laos, Vientiane Prefecture, Houay Yang Forest Reserve, 200 m, 10 April 1998, secondary forest, 1 specimen.

Hoplasoma allardi sp. n. - See p. 165.

*Mimastra annandalei* JACOBY, 1905 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 2 specimens. – *Remarks*. First record from Laos.

Mimastra unicitarsis LABOISSIERE, 1940 – Laos, Vientiane Prov., Vang Vieng, near Chang Cave, 300 m, 22 March 1998, 24 specimens.

Mimastra sp. – Laos, Bolikhamsay Prov., Phou Khao Khouay NBCA, Tad Leuk Waterfall, 280 m, 11–12 April 1998, at light, 1 female. – Remarks. This specimen belongs to an entirely fulvous species; this group is represented in Vietnam with at least 3 undescribed species which differ only in the structure of aedeagus.

Cneorane rubiana MAULIK, 1936 – Laos, Vientiane Prov., 20 km N Kasi, 20. V. 1998, leg. B. BUZÁS & B. FARKAS, 1 male, 1 female. – Remarks. First record from Laos. Male, being rather small (5 mm), has all typical characters of the species.

Trichomimastra hirsuta (JACOBY, 1892) – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 1 specimen.

Cneorella flavipes sp. n. - See p. 166.

Martinella merkli sp. n. - See p. 167.

Medythia suturalis (MOTSCHULSKY, 1858) – Laos, Vientiane Prov., Vang Vieng, bank of Nam Song River, 280 m, 21 March 1998, at light, 4 specimens; – Laos, Champassak Prov., 25 km SE of Pakxe, bank of Banglieng River, 14°58'N, 105°55'E, 200 m, 30 March 1998, at light, 1 specimen; Laos, Vientiane, 200 m, 9–10 April 1998, at light, 1 specimen.

Desborderius laevigatus LABOISSIERE, 1933 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 5 specimens. – Remarks. First record from Laos.

Monolepta signata (OLIVIER, 1808) – Laos, Vientiane, shore of Mekong River, 270 m, 19–20 March 1998, 2 specimens; – Laos, Vientiane Prov., Vang Vieng, bank of Nam Song River, 280 m, 21 March 1998, at light, 2 specimens; – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, at light, 1 specimen; – Laos, Vientiane, 200 m, 9–10 April 1998, at light, 2 ex. – Remarks. This widely distributed species was previously not recorded for Laos.

Monolepta cavipennis BALY, 1878 – Material. Laos, Vientiane Prov., Vang Vieng, near Chang Cave, 300 m, 22 March 1998, 1 specimen.

Monolepta subimpressa sp. n. - See p. 169.

Monolepta hieroglyphica (MOTSCHULSKY, 1858) – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 1 specimen.

Monolepta leechi JACOBY, 1890 – Laos, Vientiane Prov., Vang Vieng, near Poukham Cave, 300 m, 21 March 1998, 1 specimen.

Monolepta homonoiae L. MEDVEDEV, 1999 – Laos, Vientiane Prov., Vang Vieng, bank of Nam Song River, 280 m, 21 March 1998, at light, 1 specimen. – Remarks. This species, described recently from Vietnam, is recorded from Laos for the first time. In Vietnam it feeds only on Homonoia riparia.

Monolepta semicostata KIMOTO, 1989 – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 3 specimens.

Monolepta nigrifrons (ALLARD, 1889) – Laos, Bolikhamsay Prov., Phou Khao Khouay NBCA, Tad Leuk Waterfall, 280 m, 11–12 April 1998, 1 specimen.

Monolepta nigripes (OLIVIER, 1808) – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 1 specimen; – Laos,

Bolikhamsay Prov., Phou Khao Khouay NBCA, Tad Leuk Waterfall, 280 m, 11–12 April 1998, 1 specimen.

Monolepta pallida (JACOBY, 1892) – Laos, Vientiane Prov., Vang Vieng, near Chang Cave, 300 m, 22 March 1998, at light.. 3 specimens; – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, at light, 2 specimens; – Laos, Champassak Prov., 25 km SE of Pakxe, bank of Banglieng River, 14°58'N, 105°55'E, 200 m, 30 March 1998, at light, 1 specimen; – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 1 specimen.

Monolepta severini (JACOBY, 1896) – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 3 specimens; – Laos, Bolikhamsay Prov., Phou Khao Khouay NBCA, Tad Leuk Waterfall, 280 m, 11–12 April 1998, at light, 1 specimen.

Paleosepharia unicolor KIMOTO, 1989 – Laos, Bolikhamsay Prov., Phou Khao Khouay NBCA, Tad Leuk Waterfall, 280 m, 11–12 April 1998, 1 specimen. – Remarks. First record from Laos. Identification; however, is doubtful, because the single specimen collected is female.

Sermyloides foveatus sp. n. - See p. 171.

Hoplosaenidea lutea (LABOISSIERE, 1936) – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 1 specimen.

Hoplosaenidea rugosa KIMOTO, 1989 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 5 specimens. – *Remarks*. First record from Laos.

Hoplosaenidea nigrolimbata (JACOBY, 1899) – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 2 specimens.

Theopea bicolor KIMOTO, 1989 – Laos, Bolikhamsay Prov., Phou Khao Khouay NBCA, Tad Leuk Waterfall, 280 m, 11–12 April 1998, 1 specimen.

Theopea sauteri Chujo, 1935 – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 1 specimen; – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 5 specimens.

*Trichobalya bowringii* (BALY, 1890) – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 2 specimens.

Platyxantha indica (JACOBY, 1889) – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 1 specimen.

Pseudeustetha hirsuta (JACOBY, 1891) – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 3 specimens.

Emathea subcoerulea (JACOBY, 1891) – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 2 specimens.

Doryida mouhoti BALY, 1865 – Laos, Bolikhamsay Prov., Phou Khao Khouay NBCA, Tad Leuk Waterfall, 280 m, 11–12 April 1998, 1 specimen.

Dercetina rugosa sp. n. - See p. 171.

Dercetina bretinghami (BALY, 1879) – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 6 specimens.

Dercetina trifasciata (LABOISSIERE, 1932) – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 2 specimens.

Dercetisoma concolor (JACOBY, 1889) – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 3 specimens. – Remarks. This widely distributed species is recorded from Laos for the first time.

Arthrotus antennalis LABOISSIERE, 1932 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 3 specimens. – Remarks. First record from Laos, but possibly is a synonym of the very common and variable A. phaseoli LABOISSIERE, 1932.

### Subfamily Alticinae

Aphthonoides sagaris GRESSITT et KIMOTO, 1963 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 1 specimen. – Remarks. First record from Laos, although identification is doubtful. A. sagaris was described from Hainan and only the holotype is known so far. The size of this species was given as 1.9 mm in the description and 2.15 mm in a key. It differs from A. beccarii JACOBY, 1885 by fulvous colour. I have also a large series from Vietnam, identical with the specimen from Laos. It might be also a new species.

*Phyllotreta striolata* (FABRICIUS, 1801) – Laos, Vientiane, 200 m, 9–10 April 1998, at light, 1 specimen. – *Remarks*. First record from Laos.

Phyllotreta chotanica DUVIVIER, 1892 – Laos, Vientiane Prov., Vang Vieng, bank of Nam Song River, 280 m, 21 March 1998, at light, 1 specimen; – Laos, Vientiane, 200 m, 9–10 April 1998, at light, 2 specimens. – Remarks. First record from Laos.

Phyllotreta downesii BALY, 1877 – Laos, Vientiane Prov., Vang Vieng, near Chang Cave, 300 m, 22 March 1998, 3 specimens. – Remarks. First record from Laos. Aedeagus was studied.

Longitarsus nigripennis (MOTSCHULSKY, 1866) – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 2 specimens. – Remarks. First record from Laos. Taxonomic status of this species is not quite clear. Specimens from Laos are entirely black.

Longitarsus rangoonensis JACOBY, 1892 – Laos, Vientiane, 200 m, 9–10 April 1998, at light, 1 specimen. – Remarks. First record from Laos.

Longitarsus puncti MAULIK, 1926 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 13 specimens. – Remarks. First record from Laos.

Aphthona strigosa BALY, 1874 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 35 specimens. – Remarks. First record from Laos.

Aphthona laeta (WEISE, 1922) – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 2 specimens. – Remarks. First record from Laos. Very possible that A. himalayana CHEN, 1934 is identical with female of this species.

Aphthona foudrasi JACOBY, 1885 – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998.. 1 specimen. – Remarks. First record from Laos.

Zipangia merkli sp. n. – See p. 172.

Aphthonomorpha laosensis sp. n. - See p. 172.

Manobidia simplicithorax CHEN, 1934 – Laos, Vientiane Prov., Vang Vieng, near Chang Cave, 300 m, 22 March 1998, 1 specimen. – Remarks. First record from Laos.

Livolia coomani (LABOISSIERE, 1933) – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 20 specimens. – *Remarks*. First record from Laos.

Livolia minutiuscula (CSIKI, 1940) – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 3 specimens. – Remarks. First record from Laos.

Altica cyanea (WEBER, 1801) – Laos, Champassak Prov., 25 km SE of Pakxe, bank of Banglieng River, 14°58'N, 105°55'E, 200 m, 30 March 1998, at light, 2 specimens; – Laos, Vientiane Prefecture, Houay Yang Forest Reserve, 200 m, 10 April 1998, secondary forest, 1 specimen; – Laos, Vientiane, 200 m, 9–10 April 1998, at light, 1 specimen; – Laos, Vientiane Prov., Vang Vieng, near Chang Cave, 300 m, 22 March 1998, at light, 1 specimen; – Laos, Vientiane Prov., Vang Vieng, near Poukham Cave, 300 m, 21 March 1998.3, 1 specimen.

Altica foveicollis (JACOBY, 1889) – Laos, Vientiane, 270 m, 24 March 1998, in city gardens, 1 specimen; – Laos, Champassak Prov., 25 km SE of Pakxe, bank of Banglieng River, 14°58'N, 105°55'E, 200 m, 30 March 1998, at light, 6 specimens; – Laos, Vientiane, 200 m, 9–10 April 1998, at light, 7 specimens. – Remarks. First record from Laos.

Altica brevicosta WEISE, 1922 – Laos, Vientiane, shore of Mekong River, 270 m, 19–20 March 1998, I specimen; – Laos, Vientiane Prov., Vang Vieng, near Chang Cave, 300 m, 22 March 1998, I specimen; – Laos, Champassak Prov., 25 km SE of Pakxe, bank of Banglieng River, 14°58'N, 105°55'E, 200 m, 30 March 1998, at light, 9 specimens; – Laos, Vientiane, 200 m, 9–10 April 1998, at light, I specimen.

Altica coerulea OLIVIER, 1791 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 8 specimens.

Chaetocnema (s. str.) concinnipennis (BALY, 1874) – Laos, Champassak Prov., 25 km SE of Pakxe, bank of Banglieng River, 14°58'N, 105°55'E, 200 m, 30 March 1998, at light, 1 specimen. – Remarks. First record from Laos.

Chaetocnema (s. str.) concinnicollis (BALY, 1874) – Laos, Champassak Prov., 25 km SE of Pakxe, bank of Banglieng River, 14°58'N, 105°55'E, 200 m, 30 March 1998, at light, 1 specimen; – Laos, Vientiane, 200 m, 9–10 April 1998, at light, 5 specimens. – Remarks. First record from Laos.

Chaetocnema (Tlanoma) tonkinensis CHEN, 1934 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 3 specimens. – Remarks. First record from Laos.

Hyphasis tristis CHEN, 1934 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 5 specimens. – Remarks. First record from Laos.

Hemipyxis lusca (FABRICIUS, 1801) – Laos, Vientiane Prov., Vang Vieng, near Poukham Cave, 300 m, 21 March 1998, 2 specimens. – Remarks. First record from Laos.

Hemipyxis bipustulata (JACOBY, 1894) – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 1 specimen; – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 6 specimens. – Remarks. First record from Laos.

Sphaeroderma fulva MOTSCHULSKY, 1866 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 3 specimens. – Remarks. First record from Laos.

Chabria ornata laosica ssp. n. - See p. 173.

Euphitrea viridipennis (JACOBY, 1889) – Laos, Vientiane Prov., Vang Vieng, near Poukham Cave, 300 m, 21 March 1998, 1 specimen.

Argopistes tonkinensis CHEN, 1939 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 1 specimen. – Remarks. First record from Laos.

Torodera septempunctata (JACOBY, 1892) – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 1 specimen. – Remarks. First record from Laos. This specimen has only two dark spots in the middle row on elytra: one near the suture and another near the lateral margin.

### Subfamily Hispinae

Estigmena chinensis HOPE, 1840 – Laos, Bolikhamsay Prov., Phou Khao Khouay NBCA, Tad Leuk Waterfall, 280 m, 11–12 April 1998, 1 specimen.

Callispa delauneyi FLEUTIAUX, 1887 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 1 specimen. – Remarks. First record from Laos.

Oncocephala tuberculata (OLIVIER, 1792) – Laos, Bolikhamsay Prov., Phou Khao Khouay NBCA, Tad Leuk Waterfall, 280 m, 11–12 April 1998, 1 specimen.

Agonita suturella (BALY, 1858) – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 5 specimens. – Remarks. First record from Laos.

Gonophora pulchella GESTRO, 1888 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 1 specimen. – Remarks. This widely distributed species was also recorded from "Alto Mekong" which seems to be Laos.

Micrispa dentatithorax (PIC, 1924) – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 2 specimens. – Remarks. First record from Laos. In Vietnam it feeds on Zingiberaceae. M. yunnanica CHEN et SUN, 1962, syn. n. is a new synonym of this species. Colour of upperside varies from almost entirely reddish fulyous to almost black.

Hispellinus callicanthus moestus (BALY, 1888) – Laos, Vientiane Prov., Vang Vieng, near Chang Cave, 300 m, 22 March 1998, 2 specimens. – Remarks. First record from Laos.

Dicladispa armigera boutani (WEISE, 1905) – Laos, Champassak Prov., Dong Hua Xao NBCA, camp near Nam Phak River, 15°58'N, 105°55'E, 280 m, 28–29 March 1998, 1 specimen. – Remarks. First record from Laos.

Dactylispa doriae GESTRO, 1890 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 2 specimens. – Remarks. Recorded from "Alto Mekong" (= Laos).

Dactylispa xanthospila GESTRO, 1890 – Laos, Bolikhamsay Prov., Phou Khao Khouay NBCA, Tad Leuk Waterfall, 280 m, 11–12 April 1998, 1 specimen. – Remarks. First record from Laos.

Dactylispa burmana UHMANN, 1939 – Laos, Vientiane Prov., Vang Vieng, near Chang Cave, 300 m, 22 March 1998, 1 specimen. – Remarks. First record from Laos.

Dactylispa chinensis WEISE, 1905 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 1 specimen. – Remarks. First record from Laos.

### Subfamily Cassidinae

Aspidomorpha sanctaecrucis (FABRICIUS, 1775) – Laos, Bolikhamsay Prov., Phou Khao Khouay NBCA, Tad Leuk Waterfall, 280 m, 11–12 April 1998, 1 specimen.

Aspidomorpha furcata (THUNBERG, 1789) – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 2 specimens.

Chiridopsis coorta SPAETH, 1926 – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 5 specimens.

Chiridopsis scalaris (WEBER, 1801) – Laos, Vientiane Prov., Vang Vieng, near Poukham Cave, 300 m, 21 March 1998, 4 specimens.

Cassida triangulum indochinensis (SPAETH, 1919) – Laos, Vientiane Prov., Vang Vieng, near Poukham Cave, 300 m, 21 March 1998, 3 specimens. – Remarks. First record from Laos.

Cassida crucifera (KRAATZ, 1879) – Laos, Champassak Prov., Dong Hua Xao NBCA, 2 km S of Nong Luang village, the bank of Touay-Guai stream, 15°4'N, 106°13'E, 800 m, 1–5 April 1998, 1 specimen. – Remarks. First record from Laos.

Cassida circumdata (HERBST, 1790) – Laos, Vientiane Prov., Vang Vieng, near Chang Cave, 300 m, 22 March 1998, 1 specimen.

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