New species of *Ixorida* J. Thomson from south Vietnam  
(Coleoptera: Scarabaeidae: Cetoniinae)

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**Abstract.** *Ixorida (Ixorida) aureovittata* sp. nov. is described from southern part of Vietnam. New species is accommodated into nominotypical subgenus of *Ixorida* J. Thomson. Its external morphology and male genitalia of the new species are compared with characters of all its congeners flying in Indochina and surrounding countries. Updated list of all representatives of nominotypical subgenus of *Ixorida* is given.

**INTRODUCTION**

Genus *Ixorida* was described by James Thomson in 1880. *Macronota mouhoti* Wallace, 1867 was designated by author as a type species of newly described, at that time, monotypical genus. Newly described generic name stayed completely ignored by all following authors: Gestro (1888, 1891), Schoch (1895), Arrow (1910), placing *Ixorida mouhoti* into different genera of „Macronotides“. First, who listed *Ixorida* Thomson as a valid genus was Schenkling (1921). Schenkling listed two species, *Ixorida mouhoti* Wallace, 1867 and *Ixorida philippinensis* Waterhouse, 1841. Surprisingly name *Ixorida* Thomson stayed continuously ignored also after Schenkling’s catalogue by several other authors.

It was Mikšič (1970), who provided us with first revision of *Ixorida* Thomson. At that time Mikšič listed 4 different species. Later Mikšič (1972) described *Pseudomecinonota* as a subgenus of *Ixorida* Thomson and accommodated three species into this subgenus. Other important taxonomical steps in *Ixorida* Thomson have been made by Antoine (1986, 1994), author declined *Mecinonota* Kraatz, 1892, *Aurelia* Thomson, 1880 and *Oncosterna* Thomson, 1880 to subgeneric level of *Ixorida* Thomson.

Nine species and one subspecies of Taenioderini are currently placed in nominotypical subgenus of *Ixorida* Thomson. Three new species have been described since Mikšič’s revision (1970), by Antoine (1986), Arnaud (1989), Jákl (2011). In this paper one new species from southern Vietnam is added.

**MATERIAL AND METHODS**

Following codens of institutional and private collections are used in the text:  
BMNH  Natural History Museum, London, United Kingdom;  
CMCP  private collection of J.-C. Mille, Marignane, France;  

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KSCP private collection of Kaoru Sakai, Tokyo, Japan;
PLCP private collection of Jean-Philippe Legrand, Dammarie sur Loing, France;
QCCC private collection of Jian-Yue Qiu, Chongqing, China;
SJCP private collection of Stanislav Jákl, Praha, Czech Republic.

Specimens of newly described species are provided with red and yellow printed labels, red for HOLOTYPUS, yellow for PARATYPUS. Holotype or paratypes are labelled with sex symbol, number of paratype (on paratype label) and words St.Jákl & J.-P.Legrand det. 2017. Label data are cited for the material examined, individual labels are indicated by a double slash (//), individual lines by a single slash (/).

TAXONOMY

*Ixorida* (*Ixorida*) J. Thomson, 1880

*Ixorida* (*Ixorida*) J. Thomson, 1880: 277 (original description); Schenkling 1921: 144 (catalogue); Mikšič 1970: 120 (revision); Mikšič 1976: 185 (monography); Krikken 1984: 63 (generic key); Ma 1995: 43; Krajčík 1998: 90 (catalogue).


**Type species.** *Macronota mouhoti* Wallace, 1867.

DESCRIPTION

*Ixorida* (*Ixorida*) **aureovittata** sp. nov.

*(Figs. 1-8)*

**Type locality.** South Vietnam, Lam Dong Province, Bao Loc.

**Type material.** Holotype male (SJCP) labelled: S. VIETNAM/Lam Dong prov./Bao Loc, IV.2017/local collector leg; paratype Nos. 1-3 males (SJCP) labelled: same as holotype; paratype Nos. 4-5 males and 6-7 females (SJCP) labelled: S VIETNAM/Lam Dong Prov./Maria past., V.2017/local collector leg; paratype Nos. 8-9 males (SJCP) labelled: C.VIETNAM/Maria past./Lam Dong, V.2016/local collector leg; paratype No. 10 male (KSCP) labelled: Bao Loc/S Vietnam/1.-8.V.2004(Masao Ito leg; paratype No.11 female (KSCP) labelled: Bao Loc/S Vietnam/1. VI.2004/M. Ito leg; paratype Nos. 12 male and 13 female (QCCC) labelled: V.2016, Lam Dong, S.Vietnam; paratype No. 14 male (QCCC) labelled: IV.2017, Bao Loc, Lam Dong, S.Vietnam, paratype No. 15 male and No. 16 female (PLCP) labelled: Vietnam, Lam Dong Maria past, V.2017; paratype No. 17 male (PLCP) labelled: Vietnam, Bao Loc, Lam Dong, IV.2017; paratype No. 18 female (CMCP) labelled: Maria past, Lam Dong province, V-2016, coll. J.-C. Mille.

**Description of holotype:** Black, slender, with mild lustre, bearing golden-yellow dorsal and ventral ornament. Body size 17.0 mm (excluding pygidium), maximum humeral width 8.4 mm.

Head. Black with broad lateral yellow vittae. Sides of frons running in parallel. Clypeus widening from eye canthus, its widest point approximately in clypeal midlength. Clypeal apex bilobed, midlength deeply incised. Punctation of frons and clypeus dense, but simple. Most of punctures diameters approximately circularly shaped, interspaces much smaller than...
punctures dimeters. Yellowish setation present throughout total length of broad, ornamented sides. Antennae short, club shorter than stalk. Coloration of antennae dark brown to black, tip of club paler.

Pronotum. Black with one central and two lateral golden/yellowish longitudinally running vittae. Central vitta reaching both margins, laterally running vittae reaching anterolateral margins, but not posterolateral margins. Punctuation very dense and deep, denser than in head. Setation moderately long and dense, its coloration following colour of blackish

Figs. 1-8. *Ixorida (Ixorida) aureovittata* sp. nov.: 1- male habitus, dorsal aspect; 2- male habitus, ventral aspect; 3- male habitus, lateral aspect; 4- male genitalia, dorsal aspect; 5- male genitalia, lateral aspect; 6- female habitus, dorsal aspect; 7- female habitus, ventral aspect; 8- female habitus, lateral aspect.
or yellowish pronotal parts. Lateral border indistinctly developed, mainly in posterior half.

Scutellum. Triangularly shaped, apex elongated and very sharp. Excepting sides in anterior third, completely covered with golden ornament.

Elytra. Black, mildly reflected. Disc with longitudinal, golden vitta nearly reaching scutellar apex and apex of elytra. Disc of each elytron with 5-6 longitudinally running striolae lines. Elytral disc (excepting striolated part) reflected, its punctuation very fine and simple. Lateral ridge with deep and dense horizontally running striolation. Humeral and apical calli moderately developed, nearly impunctate. Sutural ridge very obtuse, slightly drawn out over elytral apex. Setation moderately long and dense, its coloration copying colour of elytral parts.


Genitalia. Similarly shaped as in other representatives of nominotypical subgenus of *Ixorida* Thomson. Apex with small, but sharply developed hook (Figs. 4-5).

**Variability.** Size range 16.1-18.6 mm. In all other respects males more or less same as holotype.

**Sexual dimorphism.** Size of females 16.8-17.5 mm. Protibia of females slightly more robust and shorter, protibial teeth nearly equidistant. Abdominal constriction missing. Punctuation of last abdominal ventrite much more abundant and deeper. In all other respects same as males.

**Differential diagnosis.** Newly described species is very distinct and easy to distinguish from other representatives of *Ixorida* (s. str.). Closest species, flying in the same area is *Ixorida (Ixorida) magnierei* Bourgoin, 1917. It can be separated from newly described species by following characters: I. elytral, sutural vitta in *I. magnierei* absent, usually only with two orange spots; II. Scutellum in *I. magnierei* shorter, not elongated and not so sharp; III. elytral punctuation in disc much denser in *I. magnierei*; IV. pygidium usually completely covered with orange ornament in *I. magnierei*, but with golden/yellow central spot in newly described species; V. ornament and setation of whole body orange in *I. magnierei*, but golden/yellow in new species; VI. male aedeagus more robust and shorter with less developed apical hook in *I. magnierei*, but more elongate, sliderer with more distinct apical hook in new species.

**Etymology.** Named after typical golden/yellow vitta in sutural part of elytra.

**Distribution.** South Vietnam, Lam Dong Province, Bao Loc.

*Macronota Magnierei* Bourgoin, 1917: 321 (original description); Schenkling 1921: 139 (catalogue).

**Type locality.** Laos: Plateau du Traminh, de Piahat á Tathom.

**Type material.** Holotype (♀) is deposited in BMNH (ex coll. Bourgoin).

**Additional examined material:** 1 ♀ (SJCP) labelled: NW THAILAND/Chiang Mai Prov./DOI SUTHEP mt./Sv. Bíly leg, 1.V. 1996; 2 ♂♂ (SJCP) labelled: Laos - Xieng Khouang pr./route no.6 60 km N of Phongsavan, 1.-10. IV/2010, local collectors leg; 2 ♂♂ and 2 ♀♀ (SJCP) labelled: NE LAOS, May 2007/Hua Phan Prov./MT. PHU PANE/1350-1900m/Lao collector leg; 6 ♂♂ and 5 ♀♀ (SJCP) labelled: Laos, Attapeu prov./Annam Highlands/Mts. Dong Amphan/NBCA ca 1160m NONG FA (crater lake) env./15°05,9’ M 107°25,6’ E/St. Jákl leg, 30.4. - 6.5.2010.

**Distribution.** Thailand, Laos, Vietnam.
UPDATED LIST OF IXORIDA (IXORIDA) SPECIES

I. (Ixorida) albonotata (Blanchard, 1842) - South India
I. (Ixorida) aureovittata sp. nov. - South Vietnam
I. (Ixorida) basilanensis Jákl, 2011 - Philippines: Basilan I.
I. (Ixorida) florenti Arnaud, 1989 - Philippines: Romblon I., Sibuyan I.
I. (Ixorida) guentheri Schurhoff, 1934 - Philippines: Panaon I., Samar I.
I. (Ixorida) heinrichi Antoine, 1986 - Indonesia: Sulawesi I.
I. (Ixorida) magnierei (Bourgoin, 1917) - Thailand, Laos, Vietnam
I. (Ixorida) mouhoti (Wallace, 1867) - Thailand, Laos, Cambodia, Vietnam, China, Myanmar, NE India

I. (Ixorida) philippinensis (Waterhouse, 1841) - Philippines: Luzon I., Masbate I.
I. (Ixorida) philippinensis nigripennis Mikšič, 1970 - Philippines: Panay I.
I. (Ixorida) propinqua (Mohnike, 1873) - Philippines: Mindanao I.

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