

SYSTEMATICS AND EVOLUTION

## Carabidae from Vietnam (Coleoptera)

Jong Kyun Park\*, Dam Huu Trac<sup>1</sup> and Kipling Will<sup>2</sup>

Department of Applied Biology, Sangju National University, Sangju 742-711, Korea.

<sup>1</sup>National Institute for Plant Protection, Hanoi, Vietnam

<sup>2</sup>Environmental Science, Policy and Management, Division of Insect Biology, University of California, Berkeley

**Abstract** Members of the Vietnamese carabid fauna are arranged and nomenclaturally revised. As the result, 178 species belonging to 74 genera of 12 subfamilies, Brachininae, Omophroninae, Carabinae, Scaritinae, Bembidiinae, Trechinae, Pterostichinae, Harpalinae, Callistinae, Oodinae, Odacanthinae, and Lebiinae, are recorded from Vietnam. Within these, four species, *Abacetus leucocetes* Bates, 1873, *Agonom (Metacolpodes) buchani* Hope, 1831, *Stenolopus (Egadroma) difficilis* (Hope, 1845), and *Pheropsophus (Stenaptinus) beckeri* Jedlicka, 1930 are newly recorded. A species checklist with taxonomic information, type localities and worldwide distribution are provided.

**Keywords** Coleoptera, new records, Checklist, South-east Asia, Vietnam

### Introduction

The family Carabidae is one of the most successful groups of beetles with more than 32,500 described species (Lorenz, 2005). They are generally abundant in terrestrial ecosystems and demonstrate a flexible set of responses to both abiotic and biotic environmental factors. For a dominant group of terrestrial predators, Carabidae occur in a wide variety of habitats. Darlington (1971) placed them in three main ecological groups: geophiles or mesophiles, which live on the ground but are not associated with water, hydrophiles living at the edges of streams or ponds or in swamps, and arboricoles living above the ground on the tree trunks, logs or leaves. The most prominent characteristic of carabids is their opportunistic feeding habits. Most adult carabids are mainly predators of other invertebrates and will feed on any moribund or recently dead small animal. A significant number will also primarily or occasionally

feed on fallen seeds, fruit or pollen (Larochelle and Lariviere, 2003). Numerous species are epigial nocturnal predators, living at the surface of the ground, while some species live within the soil, in caves. Many species have evolved a life cycle largely without contact with the soil and instead live most or all of their life on vegetation such that many tropical species are truly arboreal (Deuve, 2003; Kwon et Lee, 1986; Park et Paik, 2001; Turin et al., 2003; Ober, 2003). Ground beetles show good dispersal capabilities and are also easily and reliably sampled by various quantitative methods, e.g., pitfall trapping and searching for active beetles at night.

The aim of this study is to enumerate published records and references regarding Vietnamese carabid beetles, provide additional country-level distributional information outside of Vietnam and report new records for species within Vietnam based on examined specimens. Information on historical place-names and regional names is included as Vietnam has undergone several changes of territorial and regional names over its complex political history (Fig.1).

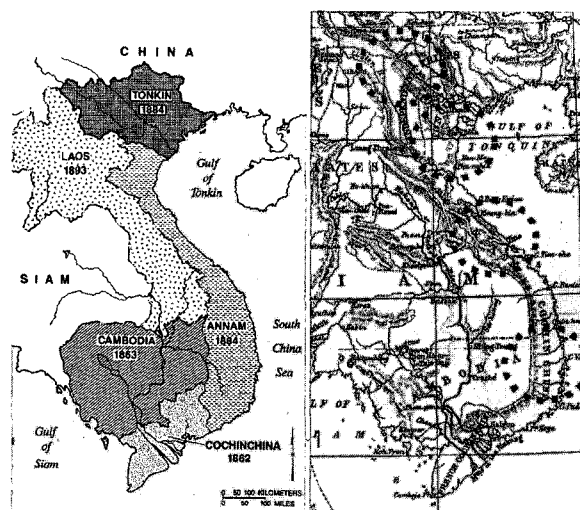


Fig. 1. Map of Vietnam before 1945, under French colony.

Left: French acquisition in Indochina in the Nineteenth century - invasion began in 1858 when Vietnam was divided into three regions (Tonkin, Annam and Cochinchina).

Right: Vietnam in 1886 was divided into four regions, one independent tribe of northwest and three named regions (Tinquin, Anam, Cochin China).

\*Corresponding author.

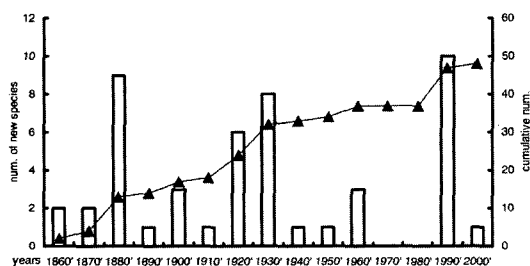
E-mail: jgpark@sangju.ac.kr

Tel: +82-54-530-5215; Fax: +82-54-530-5218

(Received February 9, 2006; Accepted March 22, 2006)

**Table 1.** The historical records of carabids species from Vietnam

Year	Authors	Species	References
1868	Chaudoir	<i>Lesticus chalthorax</i> [ <i>Lesticus (Triplogenus) chalthorax</i> ]	Ann. Soc. Ent. Belg. 11: 153
1868	Chaudoir	<i>Trigonotoma nitidicollis</i>	Ann. Soc. Ent. Belg. 11: 160
1871	Chaudoir	<i>Orthogonius mouhoti</i>	Ann. Soc. Ent. Belg. 14: 107
1876	Chaudoir	<i>Pheropsophus nebulosus</i> [ <i>Chaudoir (Stenaptinus) nebulosus</i> ]	Ann. Soc. Ent. Belg. 19: 27
1887	Fleutiaux	<i>Anaulacus basalis</i> [syn. of <i>Anaulacus fasciatus</i> ]	Ann. Soc. Ent. Fr. 7: 59
1887	Fleutiaux	<i>Calleida propingua</i>	Ann. Soc. Ent. Fr. 7: 59
1888	Fairmaire	<i>Risophilus uniformis</i>	Ann. Soc. Ent. Fr. 8: 334
1889	Bates	<i>Platymetopus punctulicollis</i> [syn. of <i>Platymetopus flavilabris</i> ]	Ann. Soc. Ent. Fr. : 269
1889	Fairmaire	<i>Casonia metallica</i> [syn. of <i>Odacantha (Heliocasonia) metallica</i> ]	Ann. Soc. Ent. Fr. 8: 334
1889	Bates	<i>Dromius alienus</i>	Bull. Soc. Nat. Fr. 9: 285
1889	Bates	<i>Microlestes annamensis</i>	Ann. Soc. Ent. Fr. 9: 285
1889	Bates	<i>Demetrius cordicollis</i> [syn. of <i>Risophilus cordicollis</i> ]	Ann. Soc. Ent. Fr. 9: 284
1899	Tschitschérine	<i>Trigonotoma adoxa</i>	Horae Ent. Soc. Ross. 32: 162
1900	Tschitschérine	<i>Lesticus lakhonus</i>	Horae Ent. Soc. Ross. 34: 171
1900	Tschitschérine	<i>Lesticus nubilus</i>	Horae Ent. Soc. Ross. 34: 173
1900	Tschitschérine	<i>Trigonotoma cyanella</i>	Horae Ent. Soc. Ross. 34: 162
1910	Bedel	<i>Ophionea blaisei</i> [syn. of <i>Mimocolliuris chaudoiri</i> ]	Bull. Soc. Ent. Fr.: 71
1925	Andrewes	<i>Tachys sexmaculatus</i> [syn. of <i>Tachys (Paratachys) plagiatus</i> ]	Ann. Mus. Civ. Genova 51: 371
1925	Andrewes	<i>Tachys constrictus</i> [syn. of <i>Tachys (Tachyura) polita</i> ]	Ann. Mus. Civ. Genova 51: 449
1925	Andrewes	<i>Tachys vigens</i> [syn. of <i>Tachys aratus</i> ]	Ann. Mus. Civ. Genova 51: 410
1925	Andrewes	<i>Tachys laotinus</i>	Ann. Mus. Civ. Genova 51: 432
1925	Andrewes	<i>Tachys striatus</i>	Ann. Mus. Civ. Genova 51: 474
1926	Andrewes	<i>Holcoderus smaragdinus</i>	Ann. Mag. Nat. Hist. 18: 287
1931	Liebke	<i>Mastax latefasciata</i>	Faun. Anzeiger 9: 262
1931	Andrewes	<i>Calleida pallipes</i>	Ann. Mag. Nat. Hist. 10 (7): 525
1932	Jeannel	<i>Lymnastis coomani</i>	Lirve de Cent. Soc. Ent. Fr.: 180
1933	Breuning	<i>Carabus clermontianus</i> [ <i>Aptomopterus (Aptomopterus) clermontianus</i> ]	Ent. Nachrbl. Toppau. 7: 21
1933	Schauberger	<i>Harpalomimeter andrewesi</i> [syn. of <i>Anisodactylus (Anisodactylus) andrewesi</i> ]	Ent. Anz. 13: 134
1937	Andrewes	<i>Tritrichis aegua</i>	Ann. Mag. Nat. Hist. 19: 494
1937	Andrewes	<i>Tritrichis glymmigera</i>	Ann. Mag. Nat. Hist. 19: 493
1939	Jedlička	<i>Agonotrechus tonkinensis</i>	Private pub. 8pp, Praha
1949	Straneo	<i>Tritrichis violacea</i>	Bull. Soc. Inst. Sci. Belg. 25: 8
1954	Jedlička	<i>Brachinus flavus</i> [ <i>Brachinus (Brachinus) flavus</i> ]	Acta Soc. Ent. Praha 51: 123
1962	Jedlička	<i>Lesticus tonkinensis</i>	Ent. Abh. 26 (11): 322
1962	Jedlička	<i>Trigonotoma annamensis</i>	Ent. Abh. 26 (11): 313
1963	Jedlička	<i>Taiconia perroti</i>	Ent. Abh. 28 (7): 448
1990	Deuve	<i>Carabus tonkinensis</i> [ <i>Apotomopterus (Dolichocarabus) tonkinensis</i> ]	Bull. Soc. Sci. Nat. 65: 26
1993	Deuve et Imura	<i>Apotomopterus vitalisi mourzinei</i>	Elytra 21: 188
1995	Saito	<i>Elaphropus shunichii</i>	Spec. Bull. Jap. Soc. Col. 4: 233 - 237
1995	Uéno	<i>Vietotrechus minutissimus</i>	Bull. Nat. Sci. Mus. Tokyo 1 (21): 22
1997	Imura et Mizusawa	<i>Apotomopterus (Apotomopterus) kouichii</i>	Gekkan - Muchi 320: 7
1998	Deuve	<i>Carabus fallettiellus</i> [ <i>Apotomopterus fallettiellus</i> ]	Coléoptères 4: 176
1999	Uéno	<i>Agonotrechus amplicollis</i>	Bull. Nat. Sci. Mus. Tokyo 4 (25): 278
1999	Uéno	<i>Agonotrechus campanulatus</i>	Bull. Nat. Sci. Mus. Tokyo 4 (25): 272
1999	Uéno	<i>Agonotrechus nomurai</i>	Bull. Nat. Sci. Mus. Tokyo 4 (25): 275
1999	Uéno	<i>Agonotrechus vina</i>	Bull. Nat. Sci. Mus. Tokyo 4 (25): 281
2004	Imura et Nguyen	<i>Apotomopterus cheni longi</i>	Elytra 32 (2): 249

**Fig. 3.** Chronological history of new species described from Vietnam.

Before liberation and independence in August 1945, Vietnam was a under the colonial control of France,

and it was divided into three named regions, Tonkin (or Tongking), Annam, and Cochinchina and the north west province which was contiguous with Laos as an independent tribe.

## Historical review

The first records of species in the family Carabidae reported from Vietnam were published by Chaudoir (1868). Subsequently, various specialists described an additional 48 new species during the 1880's, 1930's and 1990's (Fig. 3).

Table 1 and Fig. 3 lists the first records of carabide species and chronological history of new species

Table 2. The type localities and main areas collected of carabids species in Vietnam

N <sup>o</sup>	Species	Area of provinces in Vietnam		
		Northern	Central	Southern
1	<i>Brachinus (Brachinus) flavus</i> *		Trungbo - Annam	
2	<i>Brachinus (Brachinolumus) chinensis</i>	VinhPhuc	Trungbo - Annam	
3	<i>Mastax latefasciata</i> *	ThanhHoa		
4	<i>Pheropsophus (Stenaptinus) nebulosus</i> *	ThanhHoa		Cochinchina
5	<i>Pheropsophus (Stenaptinus) beckeri</i>	VinhPhuc, NinhBinh	Hue	
6	<i>Pheropsophus (Stenaptinus) occipitalis</i>	QuangNinh, NinhBinh		
7	<i>Omophron pictum</i>	ThaiNguyen	NgheAn	
8	<i>Apotomopterus clermontianus</i> *	VinhPhuc		
9	<i>Apotomopterus fallettiellus</i> *	CaoBang		
10	<i>Apotomopterus kouichii</i>	CaoBang		
11	<i>Apotomopterus tonkinensis</i> *	VinhPhuc, LaoCai		
12	<i>Apotomopterus vitalisi mourzinei</i> *	SonLa		
13	<i>Apotomopterus cheni longi</i> *	HaGiang		
14	<i>Clivina attenuate</i>			KienGiang
15	<i>Clivina castanea</i>		QuangBinh	
16	<i>Clivina gamma</i>	ThaiNguyen		
17	<i>Clivina lobata</i>	ThaiNguyen		
18	<i>Clivina tranquebarica</i>	HaNoi, HaiPhong, HoaBinh		
19	<i>Scarites (Parallelomorphus) semicircularis</i>	HaNoi		
20	<i>Bembidion (Notaphominus) sobrium</i>			KienGiang
21	<i>Elaphropus latissimus</i>	Tonkin	Annam - Canhhoa	HoChiMinh city
22	<i>Elaphropus shunichii</i> *			
23	<i>Lymnastis coomani</i> *	HoaBinh		
24	<i>Lymnastis pilosus pilosus</i>			KienGiang
25	<i>Polyderis truncatus</i>	HaiPhong		
26	<i>Tachys (Paratachys) fasciatus</i>			KienGiang
27	<i>Tachys (Paratachys) plagiatus</i>	HaiPhong		KienGiang
28	<i>Tachys (Paratachys) quadrillum</i>			KienGiang
29	<i>Tachys (Paratachys) sericans</i>		DaNang	
30	<i>Tachyta (Tachyta) umbrosa</i>	ThaiBinh		
31	<i>Tachyura (Sphaerotachys) fumicata</i>			KienGiang
32	<i>Tachyura (Tachylopha) ovata</i>		DaNang	
33	<i>Tachyura (Tachyura) polita</i>	HaiPhong	DaNang	
34	<i>Tachyura (Tachyura) unitarius</i>			KienGiang
35	<i>Tachys vigens</i> (syn. <i>Tachys aratus</i> )*	HaNoi		
36	<i>Tachys striatulus</i> *	HaNoi		
37	<i>Agonotrechus amplicolis</i> *	LaoCai		
38	<i>Agonotrechus campanulatus</i> *	LaoCai		
39	<i>Agonotrechus nomurai</i> *	HoaBinh		
40	<i>Agonotrechus tonkinensis</i> *	LaoCai		
41	<i>Agonotrechus vina</i> *	LaoCai		
42	<i>Trechus vietnamicus</i>	VinhPhuc		
43	<i>Vietotrechus minutissimus</i> *	VinhPhuc		
44	<i>Lesticus (Triplogenius) chalthorax</i> *			Cochinchina
45	<i>Lesticus lakhonus</i> *		Annam	
46	<i>Lesticus nubilus</i> *			Cochinchina
47	<i>Lesticus tonkinensis</i>	Tonkin		
48	<i>Tritrichis aegua</i> *	Tonkin		
49	<i>Tritrichis glymmigera</i> *	LaoCai		
50	<i>Tritrichis violacea</i> *		LamDong	
51	<i>Trigonotoma adoxa</i> *			SaiGon
52	<i>Trigonotoma annamensis</i> *	NinhBinh	QuangTri	
53	<i>Trigonotoma cyanella</i> *			AnGiang
54	<i>Trigonotoma lewisi</i>	NinhBinh		
55	<i>Trigonotoma nitidicollis</i> *			Cochinchina
56	<i>Abacetes leucotelus</i>		Hue	
57	<i>Harpalomimeter andrewesi</i> [syn. of ( <i>Anisodactylus andrewesi</i> )]	Tonkin		
58	<i>Bradycellus (Tachycellus) anchomenoides</i>	LaoCai		
59	<i>Parabradycellus convexus</i>	BacCan		
60	<i>Platymetopus punctulicollis</i> [syn. of <i>P. flavilabris</i> ] *			TienGiang (MyTho)
61	<i>Stenolophus (Stenolophus) persimilis</i> *	LaoCai	LamDong	
62	<i>Stenolophus (Egadroma) difficilis</i>	VinhPhuc	Hue	
63	<i>Stenolophus (Egadroma) quinquepustulatus</i>		Hue	
64	<i>Trichotichnus (Trichotichnus) merkli</i>	LaiChau		
65	<i>Trichotichnus (Trichotichnus) szekessyi</i>	LaoCai, LaiChau	LamDong	
66	<i>Agonum (Metacolpodes) buchanani</i>	VinhPhuc		
67	<i>Chlaenius (Lissauchenius) lynx</i>	ThaiNguyen	Gialai - Kontum	

N <sup>o</sup>	Species	Area of provinces in Vietnam		
		Northern	Central	Southern
68	<i>Orthogonius mouhoti</i> *			Cochinchina
69	<i>Ophionea blaise</i> (syn. of <i>Mimocolliuris chaudiroi</i> ) *	Tongking		
70	<i>Casnoidea metallica</i> (syn. of <i>Odacantha metallica</i> ) *	Tongking		
71	<i>Anaulacus basalis</i> [syn. of <i>A. fasciatus</i> ]*		Annam - Hue	
72	<i>Drypta lineola</i>	NinhBinh	Trungbo - Annam	
73	<i>Galerita batesi</i>	VinhPhuc		
74	<i>Calleida pallipes</i> *	HoaBinh		
75	<i>Calleida propingua</i> *		Hue	
76	<i>Dromius alienus</i> *		Hue	
77	<i>Holcoderus smaragdinus</i> *	HoaBinh		
78	<i>Microlestes annamensis</i> *		Trungbo - Annam	
79	<i>Risophilus cordicollis</i> *		Hue	
80	<i>Risophilus uniformis</i> *	Tongking		
81	<i>Taiconia perroti</i> *	ThaiNguyen		

\*: species with asterick are type locality .

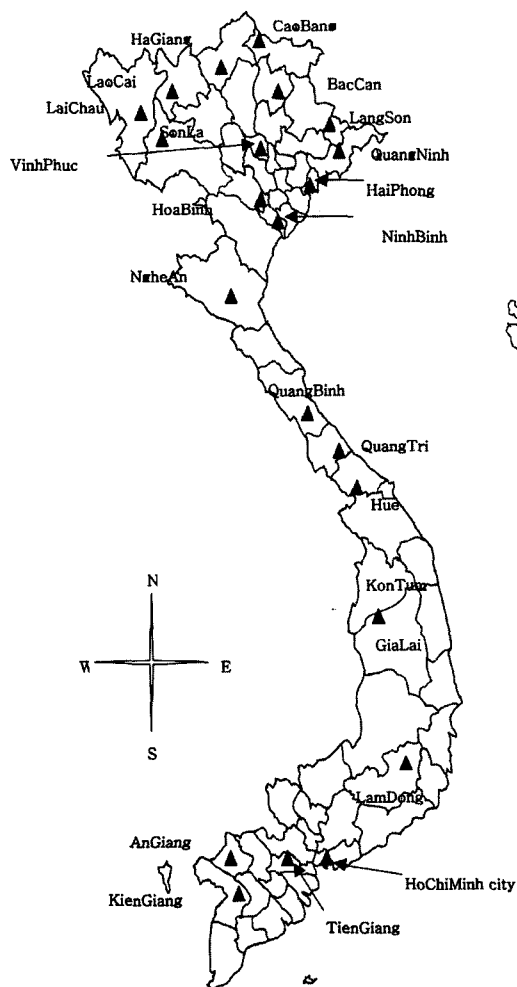


Fig. 2. Collecting sites in Vietnam.

described from Vietnam fauna. Table 2 and Fig. 2 show the type localities and main areas collected in Vietnam.

## Check list of Carabidae

### Family Carabidae Latreille, 1802

#### 1. Subfamily Brachininae Bonelli, 1810

Brachinini Bonelli, 1810, Obs. Ent., 1, tab. syn, type genus: *Brachinus* Weber, 1801

#### Tribe Brachinini Bonelli, 1810

##### 1.1 Genus *Brachinus* Weber, 1801

*Brachinus* Weber, 1801. Obs. Ent., 1: 22; type species: *Carabus crepitans* Linneus, 1758 [des. By Latreille, 1810]

1. *Brachinus (Brachinidius) flavus* Jedlička, 1955  
*Brachinus flavus* Jedlička, 1955, Acta Soc. Ent. Praha 51: 123; type loc.: Vietnam (Trungbo-Annam, Saigon), in Mus. Praha  
 Distribution: Vietnam (Trungbo-Annam, Saigon).

2. *Brachinus (Brachinidius) modestus* Schmidt-Göble, 1846  
*Brachinus modestus* Schmidt-Göble, 1846, Faun. Col. Birm.: 73  
 Distribution: Vietnam (Cochinchina); China (Fukien), Myanmar (Burma), India.

3. *Brachinus (Brachinidius) puncticollis* Schmidt-Göble, 1846  
*Brachinus puncticollis* Schmidt-Göble, 1846, Faun. Col. Birm.: 72; type loc.: Myanmar (Burma) in Mus. Praha  
 Distribution: Vietnam (Tongking), Laos, Myanmar (Burma).

4. *Brachinus (Brachinolomus) chinensis* Chaudoir, 1850  
*Brachinus chinensis* Chaudoir, 1850, Bull. Soc. Nat. Mosc. 1: 81 (orig. des.); type loc.: Hongkong, in coll. Oberthür  
 Distribution: Vietnam (VinhPhuc, Annam according Jedlička, 1963), China, Thailand, Myanmar (Burma).

5. *Brachinus (Cnecostolus) lesnei* Andrewes, 1923  
*Brachinus lesnei* Andrewes, 1923, Ann. Mag. Nat. Hist. 12: 232; type loc.: Thailand, in Mus. Paris and coll. Andrewes  
 Distribution: Vietnam (Annam), Thailand.

1.2 Genus *Mastax* Fischer von Waldheim, 1828  
*Mastax* Fischer von Waldheim, 1828, Ent. Russ. 3: 111; type species: *Brachinus thermarum* Steven, 1806 [des. By Jedlicka, 1963]

6. *Mastax latefasciata* Liebke, 1931  
*Mastax latefasciata* Liebke, 1931, Faun. Anzeiger 9: 262; type loc.: Vietnam (Trungbo-Annam, PhucSon-ThanhHoa); in coll. Jedlička & Deutsch  
 Distribution: Vietnam (ThanhHoa), China (Fukien, Shaovu).

1.3 Genus *Pheropsophus* Solier, 1833  
*Pheropsophus* Solier, 1833, Ann. Soc. Ent. France 2: 461 ; type species: *Carabus complanatus* Fabricius, 1775 [= *Pheropsophus aequinoctialis* (Linnaeus, 1763)] [des. By Hope, 1838]

7. *Pheropsophus (Stenaptinus) beckeri* Jedlička, 1930  
*Pheropsophus beckeri* Jedlička, 1930, Čas. Čes. Spol. Ent. 27: 122 (orig. des.); type loc.: China (Szetschuan, Chung-King)  
 Material examined: 35exs. (13♂ & 32♀), Mt. Tam-Dao, VinPhuc prov., 8.VII.2003, J.K.Park leg.; 7exs. (1♂ & 6♀), Ibid, 6. VI.2004, D.H.Trac leg.; 6exs. (6♂), Cucphung Park, NinhBinh prov., 15.VI.2004, J.K.Park leg.; 35exs. (12♂ & 23♀), Mt. BachMa, Hue prov., 18.VI.2004, J.K.Park leg.  
 Distribution: Vietnam (new record; VinhPhuc, Ninh-Binh, Hue), China (Sichuan, Fukien).

8. *Pheropsophus (Stenaptinus) javanus* (Dejean, 1825)  
*Brachinus javanus* Dejean, 1825, Spec. Gen. Col. 1: 305 (orig. descr.); type loc.: Indonesia (Java), in Mus. Paris  
 Distribution: Vietnam (HauGiang), China, Thailand, Indonesia, Philippine, Malaysia, Myanmar, Taiwan, New Guinea, Korea, Japan, Russia

9. *Pheropsophus (Stenaptinus) marginicollis* Motschulsky, 1854  
*Pheropsophus marginicollis* Motschulsky, 1854, Étud. Ent. (II): 44  
 Distribution: Vietnam: (HoaBinh, LaiChau, Nghe-An, QuangNinh, ThanhHoa), China.

10. *Pheropsophus (Stenaptinus) nebulosus* Chaudoir, 1876

*Pheropsophus nebulosus* Chaudoir. 1876, Ann. Soc. Ent. Belg. 19: 27; type loc.: Vietnam (Cochinchina), in coll. Oberthür  
 Distribution: Vietnam (PhucSon - ThanhHoa, Cochinchina), China, Myanmar (Burma), Malaysia, Indonesia (Sumatra), Taiwan, India, Japan.

11. *Pheropsophus (Stenaptinus) occipitalis* (MacLeay, 1825)  
*Aptinus occipitalis* MacLeay, 1825, Ann. Jav.: 28 (orig. descr.); type loc.: Indonesia (Java)  
 Distribution: Vietnam (QuangNinh, NinhBinh, and Cochinchina according Jedlička, 1963), S. China, Malaysia (Borneo), Indonesia (Sumatra, Java), Philippine, Myanmar (Burma), Taiwan, India, S. Japan (Ryukyu).

## 2. Subfamily Omophroninae Bonelli, 1810

Tribe *Omophronini* Bonelli, 1810

2.1 Genus *Omophron* Latreille, 1802  
*Omophron* Latreille, 1802, Hist. Nat. Crust. Ins. 3: 89; type species: *Carabus limbatus* Fabricius, 1777

12. *Omophron pictum* (Wiedemann, 1823)  
*Scolytus pictus* Wiedeman, 1823, Zool. Mag. II (1): 69; type loc.: India (Bengal)  
 Distribution: Vietnam (ThaiNguyen, NgheAn), India.

## 3. Subfamily Carabinae Latreille, 1802

Tribe *Carabini* Latreille, 1802

3.1 Genus *Apotomopterus* Hope, 1838  
*Apotomopterus* Hope, 1838; Col. Manual 2: 48; type species: *Apotomopterus prodigus* Erichson, 1834 [orig. des.]

13. *Apotomopterus cheni longi* Imura et Nguyen, 2004  
*Apotomopterus cheni longi* Imura et Nguyen, 2004, Elytra 32 (2): 249; type loc.: Mt. Tay-ConLinh, 1300 m, Northern End Vietnam (Ha-Giang prov.)  
 Distribution: VietNam (HaGiang), China.

14. *Apotomopterus fallettiellus* Deuve, 1998  
*Apotomopterus fallettiellus* Deuve, 1998, Coléoptères 4: 176; type loc.: Vietnam (Mt. CaoBang, CaoBang prov.)  
 Distribution: Vietnam (CaoBang).

15. *Apotomopterus (Apotomopterus) clermontianus* Breuning, 1933  
*Apotomopterus clermontianus* Breuning, 1933, Ent. Nachrbl., Troppau. 7: 21 (sp.); type loc.: Vietnam (Mt. TamDao, VinhPhuc prov.)  
 Distribution: Vietnam (VinhPhuc)

16. *Apotomopterus (Apotomopterus) tonkinensis* Deuve, 1990  
*Apotomopterus tonkinensis* Deuve, 1990, Bull. Soc. Sci. Nat., N<sup>o</sup> 65: 26, (sp.); type loc.: Vietnam (Mt TamDao, VinhPhuc prov.)  
 Distribution: Vietnam, China.
- 16-1 *Apotomopterus (Apotomopterus) tonkinensis imurai* Gottwald, 1992  
*Apotomopterus (Apotomopterus) tonkinensis imurai* Gottwald, 1992, Ent. Basiliensia, 14 (1991): 23; type loc.: Vietnam (vicinity of Sapa, 1600 - 2000 m, LaoCai prov.)  
 Distribution: Vietnam (VinhPhuc, LaoCai), China (Yunnan).
17. *Apotomopterus (Apotomopterus) vitalisi* Lapouge, 1918  
*Apotomopterus (Apotomopterus) vitalisi* Lapouge, 1918, Miscnea Ent., 24 (1916): 85  
 Distribution: Vietnam, Laos.
- 17-1. *Apotomopterus (Apotomopterus) vitalisi mourzinei* Deuve et Imura, 1993  
*Apotomopterus (Apotomopterus) vitalisi mourzinei* Deuve et Imura, 1993, Elytra, 21: 188; type loc.: Vietnam (SonLa)  
 Distribution: Vietnam (SonLa), Laos (XiengKhoang, SamNua).
18. *Apotomopterus (Taiwanocarabus) kouichii* Imura et Mizusawa, 1997  
*Apotomopterus (Taiwanocarabus) kouichii* Imura et Mizusawa, Gekkan-Muchi, N<sup>o</sup> 320, 1997: 7; (sp.). [type loc.: Vietnam (Mt. PiaOac, 1750 m, CaoBang prov.)  
 Distribution: Vietnam (CaoBang).
- 4. Subfamily Scaritinae Bonelli, 1810**  
 Tribe **Clivini** Rafinesque, 1815
- 4.1 Genus *Clivina* Latreille, 1802  
*Clivina* Latreille, 1802, Hist. Nat. Gén. Ins.: 96, type species: *Scarites arenarius* Fabricius, 1775 (= *Tenebrio fossor* Linnaeus, 1758) [by orig. monotypy]
19. *Clivina attenuate* (Herbst, 1806)  
*Scarites attenuate* Herbs, 1806, Nat. Ins. Käfer 10: 264  
 Distribution: Vietnam (KienGiang), India (Sikkim), Nepal.
20. *Clivina castanea* Westwood, 1837  
*Clivina castanea* Wetswood, 1837, Proc. Zool. Soc. 5: 128  
 Distribution: Vietnam (QuangBinh), China (SE territory), Taiwan, Korea, Japan
21. *Clivina extensicolis* Putzeys, 1846  
*Clivina extensicolis* Putzeys, 1846, Mém. Soc. Roy. Sci. Liège 2: 601  
 Distribution: Vietnam (NinhBinh, NgheAn, ThaiBinh), S.China, Japan.
22. *Clivina gamma* Andrewes, 1929  
*Clivina gamma* Andrewes, 1929, Faun. Brit. India Col. 1: 368  
 Distribution: Vietnam (ThaiNguyen), India (Uttar Pradesh).
23. *Clivina lobata* Bonelli, 1813  
*Clivina lobata* Bonelli, 1813, Mem. Scie. Torino 20: 481  
 Distribution: Vietnam (ThaiNguyen), China (SE territory).
24. *Clivina tranquebarica* Bonelli, 1813  
*Clivina tranquebarica* Bonelli, 1813, Obs. Ent., 20: 484  
 Distribution: Vietnam (Hanoi, HoaBinh, HaiPhong), China (Yunnan), Nepal, India.
- 4.2 Genus *Syleter* Andrewes, 1941  
*Syleter* Andrewes, 1941, Ann. Mag. Nat. Hist. (11) 7: 317; type species: *Psilus acutipalpis* Putzeys, 1877 (= *Ardistomis paradoxa* Putzeys, 1868)
25. *Syleter paradoxus* (Putzeys, 1868)  
*Ardistomis paradoxa* Putzeys, 1868, Ann. Soc. Ent. Belg. 11: 21  
 Distribution: Vietnam, Cambodia, Indonesia (Sumatra), Malaysia (Borneo).
- Tribe **Scaritini** Bonelli, 1810
- 4.3 Genus *Scarites* Fabricius, 1775  
*Scarites* Fabricius, 1775, Syst. Ent.: 249; type species: *Scarites subterraneus* Fabricius, 1775 [des. By Andrewes, 1929]
26. *Scarites (Parallelomorphus) semicircularis* MacLeay, 1825  
*Scarites semicircularis* MacLeay, 1825, Ann. Jav.: 24  
 Distribution: Vietnam (HaNoi), Nepal, India (Uttar Pradesh).
27. *Scarites (Scarites) parallelus* Dejean, 1825  
*Scarites parallelus* Dejean, 1825, Spec. Gen.

- Col. 1: 382  
Distribution: Vietnam, Cambodia, Thailand, Indonesia (Java).
28. *Scarites (Scarites) sulcatus* Olivier, 1795  
*Scarites sulcatus* Olivier, 1795, Ent. III (36): 7, pl. 1 (11)  
Distribution: Vietnam (HaTay), China, Indonesia, Myanmar, India, Taiwan, Korea, Japan.
29. *Scarites (Scarites) terricola* Bonelli, 1813  
*Scarites terricola* Bonelli, 1813, Obs. Ent., 20: 417  
Distribution: Vietnam (Hanoi, NgheAn), Middle & South Asia, Europe.
- 5. Subfamily Bembidiinae LaCordaire, 1854**  
Tribe **Bembidiini** Stephens, 1827
- 5.1 Genus *Bembidion* Latreille, 1802  
*Bembidion* Latreille, 1802, Hist. Nat. Ins. 3: 82; *Carabus quadriguttatus* Fabricius, 1775 (= *Cicindela quadrimaculata* Linnaeus, 1761) [des. By Andrewes, 1935]
30. *Bembidion (Andrewesa) incisum* Andrewes, 1921  
*Bembidion incisum* Andrewes, 1921, Ent. Monthl. Mag. 7: 250  
Distribution: Vietnam (Tonkin), Laos, Cambodia.
31. *Bembidion (Microserrullula) xanthracum* Chaudoir, 1850  
*Bembidion xanthracum* Chaudoir, 1850, Bull. Soc. Nat. Mosc. III (23): 175  
Distribution: Vietnam (Tonkin), Laos, Thailand; Myanmar (Burma), India (Assam).
32. *Bembidion (Notaphocamca) niloticum batesi* Putzeys, 1875  
*Bembidion niloticum batesi* Putzeys, 1875, Ann. Soc. Ent. Belg. 8  
Distribution: Vietnam (Tonkin), Cambodia, China (Mainland, Tatsienlu, Yunnan), Hongkong; Taiwan, Philippine, Japan.
33. *Bembidion (Notaphominus) foveolatum* Dejean, 1831  
*Bembidion foveolatum* Dejean, 1831, Spec. Gen. Cel. 5: 626  
Distribution: Vietnam (KienGiang), Cambodia, China, Myanmar (Burma), Indonesia (Celebes), India
- Distribution: Vietnam (Tonkin, Cochinchina), China, India (Sikkim)
35. *Bembidion eutherum* Andrewes, 1923  
*Bembidion eutherum* Andrewes, 1923, Ent. Monthl. Mag. 59: 96  
Distribution: Vietnam (HaiDuong, HungYen), Nepal
- Tribe **Tachyini** Motschulsky, 1862
- 5.2 Genus *Elaphropus* Motschulsky, 1839  
*Elaphropus* Motschulsky, 1839, Bull. Soc. Imp. Nat. Mosc. 24: 73; type species: *Elaphropus caraboides* Motschulsky, 1839 [by orig. monotypy]
36. *Elaphropus latissimus* Motschulsky, 1851  
*Elaphropus latissimus* Motschulsky, 1851, Bull. Soc. Nat. Mosc. (24) 4: 508, (orig. desc.); type loc.: Myanmar (Burma)  
Distribution: Vietnam (HoChiMinh city, Tonkin, Annam-Canhhoa), Taiwan, Australia (Queensland), Russia (East Siberia).
37. *Elaphropus shunichii* Saito, 1995  
*Elaphropus shunichii* Saito, 1995, Spec. Bull. Jap. Soc. Col. 4: 233-237; type loc.: Vietnam [Mt. HoangLienSon, (1,800 m) - LaoCai prov.]  
Distribution: Vietnam (LaoCai).
38. *Elaphropus (Tachyura) fuscata* (Motschulsky, 1851)  
*Tachys fuscata* Motschulsky, 1851, Bull. Soc. Imp. Nat. Mosc.: 509 (orig. des.)  
Distribution: Vietnam (KienGiang), Taiwan, India, Japan, Egypt.
39. *Elaphropus (Tachyura) ovata* (Motschulsky, 1851)  
*Lopha ovata* Motschulsky, 1851, Bull. Soc. Imp. Nat. Mosc. 24: 509 (orig. descr.)  
Distribution: Vietnam (DaNang), China, Thailand [Tenasserim (J. W. Heifer)], Indonesia (Sumatra, Celebes), Malaysia, Philippine, Burma = Myanmar [Bhamo and Kaw-kareik (L. Fea), Moulmein (Fieber), Tavoy], India (Assam: Mt. Patkai and Assam valley), Ceylon = SriLanka (Negombo, W. Horn), Formosa (Taiwan).
40. *Elaphropus (Tachyura) fuscus* (Schaum, 1860)  
*Tachys fuscula* Schaum, 1860, Berl. Ent. Zeit.: 200; Jedlička, 1965, Ent. Abh. 32 (7): 180  
Distribution: Vietnam (Tonkin), China (Fukien, Amoy), Hongkong, Taiwan.
41. *Elaphropus (Tachyura) poecilopterus* (Bates, 1873)  
*Tachys poecilopterus* Bates, 1873b, Trans. Ent.

- Soc. Lond.: 331; type loc.: China (Foochow - Fujian), in Mus. Paris  
Distribution: Vietnam, China, Thailand, Indonesia (Java, Sumatra), India, Pakistan, Japan.
42. *Elaphropus (Tachyura) politus* (Motschulsky, 1851)  
*Tachys politus* Motschulsky, 1851, Bull. Soc. Imp. Nat. Mosc. 24: 509 (orig. des.)  
Distribution: VietNam (HaiPhong, DaNang), China (Fujian, Guizhou), Myanmar, Nepal.
43. *Elaphropus (Tachyura) unitarius* (Bates, 1892)  
*Tachys unitarius* Bates, 1892, Ann. Mus. Civ. Nat. Genova 32: 296 (orig. descr.); type loc.: Inida (Assam)  
Distribution: Vietnam, Thailand, Myanmar, India.
44. *Elaphropus (Tachyura) latus* (Peyron, 1858)  
*Bembidion latus* Peyron, 1858, Ann. Soc. Ent. France (3)6: 353-434.  
Distribution: Vietnam (HaNoi), Indonesia (Sumatra), India, Ceylon (SriLanka).
45. *Elaphropus (Tachyura) laotinus* Andrewes, 1925  
*Tachys laotinus* Andrewes, 1925, Ann. Mus. Civ. Genova 51: 432; type loc.: Vietnam, Laos (Pak-Teu), in Mus. London  
Distribution: Vietnam, Laos.
46. *Elaphropus (Tachyura) striatulus* Andrewes, 1925  
*Tachys striatulus* Andrewes, 1925, Ann. Mus. Civ. Genova 51: 474; type loc.: Vietnam (HaNoi); in Mus. Paris  
Distribution: Vietnam (HaNoi).
- 5.3 Genus *Lymnastis* Motschulsky, 1862  
*Lymnastis* Motschulsky, 1862, Ét. Ent. 11: 27; type species: *Lymnastis indicum* Motschulsky, 1851 [by orig. des.]
47. *Lymnastis coomani* Jeannel, 1932  
*Limnastis coomani* Jeannel, 1932, Lirve de Centenaire, Soc. Ent. France: 180; type loc.: Vietnam [Tonkin (Hoabinh), in Mus. Paris]  
Distribution: Vietnam (HoaBinh).
48. *Lymnastis pilosus pilosus* Bates, 1892  
*Limnastis pilosus pilosus* Bates, 1892, Ann. Mus. Civ. Genova 32: 296  
Distribution: Vietnam (KienGiang), Indonesia (Sumatra, Java, Malaysia (Borneo), Philippine, Myanmar (Burma), Taiwan, New-Guinea, Australia.
- 5.4 Genus *Tachys* Dejean, 1821  
*Tachys* Dejean, 1821, Cat. coll. Col.: 16, type species: *Tachys scutellaris* Stephens, 1828 [des. By Hope, 1838]
49. *Tachys (Paratachys) fasciatus* (Motschulsky, 1851)  
*Trechus fasciatus* Motschulsky, 1851, Bull. Soc. Imp. Nat. Mosc. 24: 506  
Distribution: Vietnam (KienGiang), Taiwan, India, Japan, N.Korea, Iran, Syria.
50. *Tachys (Paratachys) plagiatus* Putzeys, 1875  
*Tachys plagiatus* Putzeys, 1875, Ann. Mus. Civ. Genova 7: 745  
Distribution: Vietnam (HaiPhong, KienGiang), Siam (Thailand), Indonesia (Celebes), Philippine, Taiwan, Japan, New-Guinea; Australia.
51. *Tachys (Paratachys) sexguttatus* Fairmaire, 1849  
*Tachys sexguttatus* Fairmaire, 1849, Rev. Mag. Zoo. Pur. Appl. (2)1: 277-281  
Distribution: Vietnam (KienGiang, Annam), S. China, Ceylon (SriLanka), Taiwan, New-Guinea, Samoa, N. Korea; v. *impictus*: Philippine; Taiwan; a. *languidus*: Taiwan.
52. *Tachys (Paratachys) sericans* Bates, 1873  
*Tachys sericans* Bates, 1873a, Trans. Ent. Soc. Lond.: 297  
Distribution: Vietnam (DaNang), China (Fujian, Gu-anxi) Taiwan, N.Korea, Iran.
53. *Tachys (Polyderis) truncatus* (Nietner, 1858)  
*Bembidium truncatus* Nietner, 1858, Ann. Mag. Nat. Hist. 3 (2): 421  
Distribution: Vietnam (HaiPhong), Cambodia, Indonesia, Malaysia, Myanmar, Philippine, India, Sri-Lanka.
- 5.5 Genus *Tachyta* Kirby, 1837  
*Tachyta* Kirby, 1837, Ins. Faun. Boreali-Americana: 561; type species: *Tachyta picipes* Kirby, 1837, [= *Tachyta nana* (Say, 1823)] [by orig. monotypy]
54. *Tachyta (Tachyta) umbrosa* (Motschulsky, 1851)  
*Tachys umbrosa* Motschulsky, 1851, Bull. Soc. Imp. Nat. Mosc. 24: 507 (orig. des.)  
Distribution: Vietnam (ThaiBinh), Taiwan, Japan.
6. Subfamily Trechinae Bonelli, 1810  
Tribe Trechini Bonelli, 1810
- 6.1 Genus *Agonotrechus* Jeannel, 1923  
*Agonotrechus* Jeannel, 1923, Ann. Mag. Nat. Hist. (9) 12: 428; type species: *Trechus birmanicus* Bates, 1892 [by orig. des.]



55. *Agonotrechus ampliocollis* Uéno, 1999  
*Agonotrechus ampliocollis* Uéno, 1999, Bull. Nat. Sci. Mus. Tokyo IV (25): 278, fig. 6-8; type loc.: Vietnam (TramTon mountain pass, Mt. HoangLienSon, LaoCai prov.)  
 Distribution: Vietnam (LaoCai)
56. *Agonotrechus campanulatus* Uéno, 1999  
*Agonotrechus campanulatus* Uéno, 1999, Bull. Nat. Sci. Mus. Tokyo IV (25): 272, fig. 1-3; type loc.: Vietnam (O-Quy-Ho mountain pass, LaoCai prov.)  
 Distribution: Vietnam (LaoCai).
57. *Agonotrechus nomurai* Uéno, 1999  
*Agonotrechus nomurai* Uéno, 1999, Bull. Nat. Sci. Mus. Tokyo IV (25): 275, fig. 4-5; type loc.: Vietnam (Xa-Lenh mountain village, Hoa-Binh prov.)  
 Distribution: Vietnam (HoaBinh).
58. *Agonotrechus tonkinensis* Jedlička, 1939  
*Agonotrechus tonkinensis* Jedlička, 1939, Private publication, Praha: 1; (orig. desc.); type loc.: VietNam (Sapa, LaoCai prov.)  
 Distribution: Vietnam (LaoCai).
59. *Agonotrechus vina* Uéno, 1999  
*Agonotrechus vina* Uéno, 1999, Bull. Nat. Sci. Mus. Tokyo IV (25): 281, fig. 9; type loc.: VietNam (O-Quy-Ho mountain pass, LaoCai prov.)  
 Distribution: Vietnam (LaoCai).
- 6.2 Genus *Trechiotetes* Jeannel, 1954  
*Trechiotetes* Jeannel, 1954, Rev. Fra. Ent. 21: 14; type species: *Trechus perroti* Jeannel, 1954 [by orig. des.]
60. *Trechiotetes perroti* (Jeannel, 1954)  
*Trechus perroti* Jeannel, 1954, Rev. Fra. Ent. 21: 13  
 Distribution: Vietnam [according to Uéno, 1995, Bull. Nat. Sci. Mus. Tokyo I (21): 13], China (Gu-anxi).
- 6.3 Genus *Trechus* Clairville, 1806  
*Trechus* Clairville, 1806, Ent. Helv. Cat. Ins.: 22; type species: *Carabus rubens* Fabricius, 1792 sensu Clairville, 1806 (= *Carabus quadristriatus* Schrank, 1781) [des. by Chenu, 1851]
61. *Trechus vietnamicus* Uéno, 1995  
*Trechus vietnamicus* Uéno, 1995, Bull. Nat. Sci. Mus. Tokyo I (21): 15; type loc.: Viet-Nam (Mt. TamDao, VinhPhuc prov.)  
 Distribution: Vietnam (VinhPhuc).
- 6.4 Genus *Vietotrechus* Uéno, 1995  
*Vietotrechus* Uéno, 1995, Bull. Nat. Sci. Mus. Tokyo I (21): 20; type species: *Vietotrechus minutissimus* Uéno, 1995 [by orig. des.]
62. *Vietotrechus minutissimus* Uéno, 1995  
*Vietotrechus minutissimus* Uéno, 1995, Bull. Nat. Sci. Mus. Tokyo I (21): 22 [orig. desc.]; type loc.: VietNam (Mt. TamDao, VinhPhuc prov.)  
 Distribution: Vietnam (VinhPhuc).
7. Subfamily Pterostichinae Sloane, 1920  
 Tribe Pterostichini Boneli, 1810  
 7.1 Genus *Lesticus* Dejean, 1828  
*Lesticus* Dejean, 1828, Spec. gen. Col. 3: 189; type species: *Lesticus janthinus* Dejean, 1828 [by orig. des.]
63. *Lesticus (Triptogenius) auricollis* Tschitschérine, 1900  
*Lesticus auricollis* Tschitschérine, 1900, Horae Ent. Soc. Ross. 34: 174; type loc.: Thailand (Siam), in Mus. Leningrad  
 Distribution: Vietnam, Siam (Thailand), China (Fukien), Formosa (Taiwan).
64. *Lesticus (Triptogenius) chalthorax* (Chaudoir, 1868)  
*Triptogenius chalthorax* Chaudoir, 1868, Ann. Soc. Ent. Belg. 11: 153; type loc.: VietNam (Cochinchina) and Cambodia; in Mus. Paris  
 Distribution: Vietnam (S. Vietnam), Cambodia, S. China, Myanmar (Burma).
65. *Lesticus lakhonus* Tschitschérine, 1900  
*Lesticus lakhonus* Tschitschérine, 1900, Horae Ent. Soc. Ross. 34: 171; type loc.: VietNam [Annam (Lakhon)], in Mus. Leningrad  
 Distribution: Vietnam (Central of Vietnam), Siam (Thailand).
66. *Lesticus nubilus* Tschitschérine, 1900  
*Lesticus nubilus* Tschitschérine, 1900, Horae Ent. Soc. Ross. 34: 173; type loc.: VietNam (Cochinchina), in Mus. Leningrad  
 Distribution: Vietnam (S. Vietnam).
67. *Lesticus tonkinensis* Jedlička, 1962  
*Lesticus tonkinensis* Jedlička, 1962, Ent. Abh. 26 (21): 322, fig. 124; type loc.: VietNam (Tonkin), in coll. Jedlička  
 Distribution: Vietnam (N. Vietnam), Laos.

- 7.2 Genus *Steropanus* Fairmaire, 1888  
*Steropanus* Fairmaire, 1888, Rev. Ent. 7: 10;  
 type species *Steropanus forticornis* Panzer, 1888  
 [by orig. monotypy]
68. *Steropanus aegua* (Andrewes, 1937)  
*Tritrichis aegua* Andrewes, 1937, Ann. Mag.  
 Nat. Hist. 19: 494 (orig. des.); type loc.: Ton-  
 kin, in Mus. London  
 Distribution: Vietnam (N. Vietnam).
69. *Steropanus glymmigera* (Andrewes, 1937)  
*Tritrichis glymmigera* Andrewes, 1937, Ann.  
 Mag. Nat. Hist. 19: 493 (orig. desc.); type loc.:  
 Vietnam [Chapa, LaoCai prov.] in Mus. London  
 Distribution: Vietnam (LaoCai)
70. *Steropanus violacea* (Straneo, 1949)  
*Tritrichis violacea* Straneo, 1949, Bull. Soc.  
 Inst. Sci. Nat. Belg. 25: 8 (orig. desc.); type  
 loc.: Annam: Dalat, LamDong prov., in coll.  
 Jedlička  
 Distribution: Vietnam (LamDong)
- 7.3 Genus *Trigonotoma* Dejean, 1828  
*Trigonotoma* Dejean, 1828, Spec. Gén. Col. III:  
 182; type species: *Trigonotoma viridicollis* De-  
 jean, 1828 [nec. MacLeay, 1825](= *Trigonotoma*  
*indica* Brullé, 1834) [des by Hope, 1838]
71. *Trigonotoma adoxa* Tschitschérine, 1899  
*Trigonotoma adoxa* Tschitschérine, 1899, Horae  
 Soc. Ent. Ross. 32: 162; type loc.: Vietnam  
 [Cochinchina (SaiGon)]  
 Distribution: Vietnam (HoChiMinh city).
72. *Trigonotoma annamensis* Jedlička, 1962  
*Trigonotoma annamesis* Jedlička, 1962, Ent.  
 Abh. 26 (21): 313, fig. 123; type loc.: Viet-  
 nam [Annam (CuaTung, QuangTri prov.)], a  
 couple in Coll. Jedlička  
 Distribution: Vietnam (NinhBinh, QuangTri).
73. *Trigonotoma aurifera* Tschitschérine, 1900  
*Trigonotoma aurifera* Tschitschérine, 1900, Ho-  
 rae Soc. Ent. Ross. 34: 155; type loc.: Cambo-  
 dia, in Mus. Leningrad and in coll. Jedlička  
 Distribution: Vietnam (Cochinchina), Cambodia, Laos,  
 Myanmar (Burma).
74. *Trigonotoma bhamoensis* Bates, 1889  
*Trigonotoma bhamoensis* Bates, 1889, Ann. Mus.  
 Civ. Genova 27: 105; type loc.: Myanmar (Bha-  
 mo), in Mus. Genova  
 Distribution: Vietnam (Tonkin), Laos, China (Yu-  
 nnam, Szetchuan), Formosa (Taiwan), Myanmar  
 (Burma), India (Assam).
75. *Trigonotoma chaldeola* Bates, 1873  
*Trigonotoma chaldeola* Bates, 1873a, Trans. Ent.  
 Soc. London: 328; type loc.: Hongkong, in Mus.  
 London and in coll. Jedlička  
 Distribution: Vietnam (Tonkin, Cochinchina), Hong-  
 kong, China (Yunnan).
76. *Trigonotoma cyanella* Tschitschérine, 1900  
*Trigonotoma cyanella* Tschitschérine, 1900, Horae  
 Soc. Ent. Ross. 34: 162; type loc.: Vietnam [Mt.  
 ChanDoc, AnGiang prov.], in Mus. Leningrad  
 and in coll. Jedlička  
 Distribution: Vietnam (AnGiang).
77. *Trigonotoma dohrnii* Chaudoir, 1852  
*Trigonotoma dohrni* Chaudoir, 1852, Bull. Soc.  
 Nat. Mosc. I (25): 69; type loc.: Hongkong,  
 in Mus. Paris  
 Distribution: Vietnam (HaGiang, Annam), Hong-  
 kong, Thailand (Siam), Taiwan.
78. *Trigonotoma lewisi* Bates, 1873  
*Trigonotoma lewisi* Bates, 1873a, Trans. Ent.  
 Soc. London: 214; type loc.: Japan (Hiogo, Na-  
 gasaki)  
 Distribution: Vietnam (HoaBinh, VinhPhuc), China  
 (mandland, Szetchuan-Tatsienlu, Yunnan-Tali, Fukien  
 -Kuatun, Kiangsi), Formosa (Taiwan), Korea, Japan.
79. *Trigonotoma nitidicollis* Chaudoir, 1868  
*Trigonotoma nitidicollis* Chaudoir, 1868a, Ann.  
 Soc. Ent. Belg. 11: 160; type loc.: Vietnam (Co-  
 chinchina), in Mus. Paris and in coll. Jedlička  
 Distribution: Vietnam (Cochinchina), Siam (Thailand),  
 Myanmar (Burma).
80. *Trigonotoma perraudieri* Bates, 1889  
*Trigonotoma perraudieri* Bates, 1889b, Ann.  
 Soc. Ent. France 9: 275; type loc.: Thailand  
 (Siam), in Mus. Paris  
 Distribution: Vietnam (Cochinchina, Annam), Thai-  
 land.
- 8. Subfamily Harpalinae Bonelli, 1810**  
 Tribe **Abacetini** Chaudoir, 1872
- 8.1 Genus *Abacetus* Dejean, 1828  
*Abacetus* Dejean, 1828, Spec. Gén. Col.: 195;  
 type species: *Abacetus gagates* Dejean, 1828 [by  
 orig. des.]
81. *Abacetus leucotelus* Bates, 1873  
*Abacetus leucotelus* Bates, 1873a, Trans. Ent.  
 Soc. London: 283  
 Description: Vietnam (Hue), China (Jiangxi), Japan.

82. *Abacetus submetallicus* (Nietner, 1858)  
*Distrigus submetallicus* Nietner, 1858, Ann. Mag. Nat. Hist. (3) 2: 177; type loc.: Ceylon (SriLanka)  
Distribution: Vietnam, Cambodia, Myanmar (Burma), India (Hindustan); Ceylon (SriLanka), Nepal.
- 8.2 Genus *Chlaeminus* Motschulsky, 1865  
*Chlaeminus* Motschulsky, 1865, Bull. Soc. Imp. Nat. Mosc. 37: 350; type species: *Chlaeminus biguttatus* Motschulsky, 1865 [by orig. monotypy]
83. *Chlaeminus (Chlaeminus) biguttatus* Motschulsky, 1861  
*Chlaeminus biguttatus* Motschulsky, 1861, Bull. Soc. Imp. Nat. Mosc. 2: 351  
Distribution: Vietnam (HaGiang), Cambodia, Thailand, Myanmar (Burma), Indonesia (Java), India, Ceylon (SriLanka).
84. *Chlaeminus (Chlaeminus) quadriplagiatus* Chaudoir, 1869  
*Chlaeminus quadriplagiatus* Chaudoir, 1869, Bull. Soc. Nat. Mosc. 42 (2): 403  
Distribution: Vietnam; Thailand, Myanmar (Burma), India.
85. *Chlaeminus annamensis* Tschitschérine, 1903  
*Chlaeminus annammensis* Tschitschérine, 1903, Horae Soc. Ent. Ross. 36: 58  
Distribution: Vietnam (Annam), Japan.
- Tribe **Harpalini** Bonelli, 1810
- 8.3 Genus *Amblystomus* Erichson, 1837  
*Amblystomus* Erichson, 1837, Käf. Mark Brandenbg. 1 (1): 59, type species: *Acupalpus mauritanicus* Dejean, 1829 [from Mediterranean areas, the second of the four species mentioned] [des. by Andrewes, 1939]
86. *Amblystomus quadriguttatus* (Motschulsky, 1858)  
*Hisparis quadriguttatus* Motschulsky, 1858, Étud. Ent. 7: 24-25, type loc.: India  
Distribution: Vietnam, Thailand, Burma (Thailand), India, Ceylon (SriLanka), Japan.
- 8.4 Genus *Anisodactylus* Dejean, 1829  
*Anisodactylus* Dejean, 1829, Spec. Gén. Col. 4: 132; type species: *Carabus binotatus* Fabricius, 1787 [from Europe, the sixth of the twenty one species mentioned] [des. by Westwood, 1838]
87. *Anisodactylus (Anisodactylus) andrewesi* (Schauberger, 1933)  
*Harpalomimeter andrewesi* Schauberger, 1933, Ent. Anz. 13: 134; type loc.: Vietnam (Tonkin)  
Distribution: Vietnam (N. Vietnam), Japan.
- 8.5 Genus *Bradycellus* Erichson, 1837  
*Bradycellus* Erichson, 1837, Käf. Mark Brandenbg., 1 (1): 64; type species: *Carabus collaris* Paykull, 1798 [= *Bradycellus caucasicus* (Chaudoir, 1846)] [from Europe - the third of the three species mentioned] [des. by Andrewes, 1935]
88. *Bradycellus (Tachycellus) anchomenoides* Bates, 1873  
*Tachycellus anchomenoides* Bates, 1873, Trans. Ent. Soc. Lond.: 265-266; type loc.: Japan (Nagasaki)  
Distribution: VietNam (LaoCai), China, Nepal, Bhutan, Japan.
- 8.6 Genus *Parabradycellus* N.Ito, 2003  
*Parabradycellus* N.Ito, 2003, Ent. Rev. Japan 58 (2): 143-150; type species: *Parabradycellus convexus* N.Ito [by orig. des.]
89. *Parabradycellus convexus* N.Ito, 2003  
*Parabradycellus convexus* N.Ito, 2003, Ent. Rev. Japan 58 (2): 146-148; figs. 1-c, 3, 5-m, 5-fc  
Distribution: Vietnam (YenBai, HaTay, BacCan).
- 8.7 Genus *Harpalus* Latreille, 1802  
*Harpalus* Latreille, 1802, Hist. Nat. Crust. Ins. 2: 92; type species: *Carabus proteus* Paykull, 1790 [= *Harpalus appinis* (Schrank, 1781)] [des. by Andrewes, 1935]
90. *Harpalus (Pseudoophonus) sinicus* Hope, 1845  
*Harpalus sinicus* Hope, 1845, Trans. Ent. Soc. Lond. 4: 14; type loc.: China  
Distribution: Vietnam (HaGiang, HaTay, LaiChau, LangSon), China (mainland), Taiwan, S. Korea, Japan, Russia (E. Siberia).
- 8.8 Genus *Platymetopus* Dejean, 1829  
*Platymetopus* Dejean, 1829, Spec. Gén. Col.: 68, type species: *Platymetopus vestitus* Dejean, 1829 [des. by Hope, 1838]
91. *Platymetopus flavilabris* (Fabricius, 1798)  
*Carabus flavilabris* Fabricius, 1798, Suppl. Ent. Syst.: 59; type loc.: India  
Distribution: Vietnam (MyTho), China, Thailand, Indonesia (Java, Sumatra, Celebes, Sundas), Malaysia, Borneo, Philippine, Myanmar (Burma), Nepal, India, Ceylon (SriLanka), Japan.

- 8.9 Genus *Pseudognathaphanus* Schauberger, 1932  
*Pseudognathaphanus* Schauberger, 1932, Kol. Rundsch. 18: 57; type species: *Gnathaphanus punctilabris* MacLeay, 1825 [from China and Formosa] [by orig. des.]
92. *Pseudognathaphanus punctilabris* (MacLeay, 1825)  
*Harpalus punctilabris* MacLeay, 1825, Ann. Jav.: 20-21; type loc.: Indonesia (Java)  
Distribution: Vietnam, S. China, Thailand, Indonesia (Java, Sumatra, Celebes), Myanmar (Burma), Malaysia, Philippine, India, Ceylon (Sri Lanka), Japan.
- 8.10 Genus *Stenolophus* Dejean, 1821  
*Stenolophus* Dejean, 1821, Cat. Coll. Col.: 15; type species: *Carabus vaporariorum* Fabricius, 1787 (non *Lenneaus*, 1758), [= *S. teutonius* (Schrank, 1781), from Europe] [des. by Westwood. 1838]
93. *Stenolophus (Egadroma) difficilis* (Hope, 1845)  
*Harpalus difficilis* Hope, 1845, Trans. Ent. Soc. Lond. 4: 15; type loc. China (Canton)  
Material examined: 5 exs. (1 ♀), Mt. Tam Dao, VinhPhuc prov., 8.VII.2003, J.K. Park leg.; 4 exs. (4 ♂♂), Mt BachMa, Hue prov., 18.VI.2004, J.K. Park leg.  
Distribution: Viet Nam (new record, VinhPhuc, Hue).
94. *Stenolophus (Stenolophus) persimilis* N.Ito, 2000  
*Stenolophus (Stenolophus) persimilis* N.Ito, 2000, Ent. Rev. Japan 55 (2): 121-122; figs. 1, 5, 9 & 13-B  
Distribution: Vietnam (Lao Cai, Lam Dong)
95. *Stenolophus (Egadroma) quinquepustulatus* (Wiedemann, 1823)  
*Badister pustulatus* Wiedemann, 1823, Zool. Mag.: 58; type loc.: India  
Distribution: Vietnam, China, Thailand, Indonesia (Sumatra), Malaysia (Borneo), Myanmar (Burma), Philippine, India, Ceylon (Sri Lanka), Pakistan, New Guinea, Australia, Japan.
96. *Stenolophus (Egadroma) smaragdulus* (Fabricius, 1798)  
*Carabus smaragdulus* Fabricius, 1798, Suppl. Ent. Syst.: 60  
Distribution: Vietnam, S. China, Thailand, Indonesia (Sumatra), Malaysia, Philippine, Myanmar (Burma), India, Ceylon (Sri Lanka), New Guinea, Australia.
- 8.11 Genus *Trichotichnus* Morawitz, 1863  
*Trichotichnus* Morawitz, 1863, Mém. Acad. Imp. Sci. St-Pétersb., (7)6 (3): 63-64; type species: *Trichotichnus longitarsis* Morawitz, 1863 [by orig. monotypy]
97. *Trichotichnus (Trichotichnus) merldi* N.Ito, 2002  
*Trichotichnus (Trichotichnus) merkli* N.Ito, 2002, Ent. Rev. Japan 57 (1): 104-105; figs 2, 5, 6  
Distribution: Vietnam (Lai Chau), Laos, Thailand, Malaysia.
98. *Trichotichnus (Trichotichnus) szekessyi* Jedlička, 1954  
*Iridessus szekessyi* Jedlička, 1954, Ann. Hist. Nat. Mus. Natl. Hung. 5: 225  
Distribution: Vietnam (Lao Cai, Lam Dong), Laos, Thailand, Taiwan, Japan.
- Tribe **Hexagoniini** Horn, 1881
- 8.12 Genus *Hexagonia* Kirby, 1825  
*Hexagonia* Kirby, 1825b, Trans. Linn. Soc. Lond. 14: 563; type species: *Hexagonia terminate* Kirby, 1825 [by orig. monotypy]
99. *Hexagonia longithorax* (Wiedemann, 1823)  
*Lebia longithorax* Wiedemann, 1823, Zool. Mag. 2: 58; Löbl & Smetana, 2003, Cat. Palaearctic Col. 1: 407  
Distribution: Vietnam (Lai Chau, Thai Binh), India (Uttar Pradesh).
- Tribe **Platynini** Bonelli, 1810
- 8.13 Genus *Agonum* Bonelli, 1810  
*Agonum* Bonelli, 1810: Obs. Ent., 1, tab. syn; type species: *Carabus marginatus* Linnaeus, 1758 [from Europe] [des. by Curtis, 1827]
100. *Agonum (Metacolpodes) buchanani* Hope, 1862  
*Colpodes buchanani* Hope, 1831, zool. Misc., p.21  
Material examined: 4 ex. (2 ♂♂ & 2 ♀♀) Mt. Tam Dao, VinhPhuc prov., 8.VI.2003, Park J.K. leg.; 1 ex (1 ♂) Mt. Tam Dao, VinhPhuc prov., 6.VI.2004, Trac D.H. leg.  
Distribution: Vietnam (new record, VinhPhuc).
101. *Agonum (Sericoda) quadripunctatum* (DeGeer, 1774)  
*Carabus quadripunctatus* DeGeer, 1774, Mém. Ins.: 102; type loc.: N. Europe  
Distribution: Vietnam, Philippine, Taiwan, India, Japan, Europe, North America.
- 8.14 Genus *Dicranoncus* Chaudoir, 1850  
*Dicranoncus* Chaudoir, 1850, Bull. Soc. Nat. Mosc. 2: 392-393; type species: *Dicranoncus femoralis* Chaudoir, 1850 [from India] [by

orig. monotypy]

102. *Dicranoncus femoralis* Chaudoir, 1850  
*Dicranoncus femoralis* Chaudoir, 1850b, Bull. Soc. Imp. Nat. Mosc. 23 (2): 393  
 Distribution: Vietnam, China, Myanmar (Burma), Nepal, India, Taiwan, Korea, Japan, E.Siberia.

### 9. Subfamily Callistinae Chaudoir, 1872

Tribe **Chlaeniini** Brullé, 1834

#### 9.1 Genus *Chlaenius* Bonelli, 1810

*Chlaenius* Bonelli 1810, Obs. Ent., 1, tab. syn; type species: *Carabus festivus* Panzer, 1796 [by subsequent monotypy: Samouelle, 1819]

103. *Chlaenius (Chlaeniostenus) circumdatus* Brullé, 1835  
*Chlaenius circumdatus* Brullé, 1835, Rev. Ent. 3: 246

Distribution: Vietnam, China, Thailand, Indonesia (Java, Sumatra), Malaysia, Formosa (Taiwan), India, Ceylon (SriLanka), Korea, Japan.

104. *Chlaenius (Chlaeniellus) circumductus* Morawitz, 1862  
*Chlaenius circumductus* Morawitz, 1862, Bull. Acad. Sci. Pt. Pét. 5: 246

Distribution: Vietnam, China (N. territory), Taiwan, Korea (N. & S.), Russia (Far East).

105. *Chlaenius (Chlaenius) leucops* (Wiedemann, 1823)  
*Harpalus leucops* Wiedemann, 1823, Zool. Mag. Nat. II (1): 52

Distribution: Vietnam, Thailand, Indonesia (Java, Sumatra), Malaysia, Myanmar (Burma), Philippines, India; Ceylon (SriLanka), Taiwan, Japan.

106. *Chlaenius (Chlaenius) pallipes* Gebler, 1823  
*Chlaenius pallipes* Gebler, 1823, Mem. Soc. Mosc., 6: 128

Distribution: Vietnam (HaGiang, HaTay, LangSon, NinhBinh, ThaiBinh, YenBai, ThanhHoa), China, Korea, Japan, Mongolia, Russia (E. Siberia & Far East).

107. *Chlaenius (Haplochlaenius) costiger* Chaudoir, 1856  
*Chlaenius costiger* Chaudoir, 1856, Bull. Soc. Imp. Nat. Mosc., 3: 258

Distribution: Vietnam (LangSon, ThanhHoa) Taiwan, Korea, Japan.

108. *Chlaenius (Ilaenichus) bimaculatus lynx* Chaudoir, 1856

*Chlaenius lynx* Chaudoir, 1856, Bull. Soc. Imp. Nat. Mosc., 29 (3): 198; ; type loc.: Hongkong

Distribution: Vietnam(ThaiNguyen, Gialai-Kontum), China, Philippine, Hongkong, Taiwan, N. Korea, Japan.

109. *Chlaenius (Ilaenichus) naeviger* Morawitz, 1862  
*Chlaenius naeviger* Morawitz, 1862, Bull. Acad. Sci. St. Pét. 5: 324

Distribution: Vietnam (ThaiNguyen, HaGiang, HaTay, LaiChau, ThaiBinh, ThanhHoa, TuyenQuang, TienGiang, HauGiang), China (Sichuan), Taiwan, Korea, Japan.

110. *Chlaenius (Lithochlaenius) noguchii* Bates, 1873  
*Chlaenius noguchii* Bates, 1873a, Trans. Ent. Soc. Lond.: 251-252

Distribution: Vietnam (HaTay, LaoCai), Korea, Japan.

111. *Chlaenius (Ocybatus) bioculatus* Chaudoir, 1856  
*Chlaenius bioculatus* Chaudoir, 1856, Bull. Soc. Nat. Mosc.: 299 (orig. desc.); type loc.: Nepal (according Manll., 1992)

Distribution: Vietnam, S. & S.E. China, Thailand (Andaman), Indonesia, Hymalaya, India, Nepal, Taiwan, Japan.

112. *Chlaenius (Pachydinodes) abstersus* Bates, 1873  
*Chlaenius abstersus* Bates, 1873, Trans. Ent. Soc. Lond.: 247, type loc.: Japan

Distribution: Vietnam (ThaiNguyen, HaTay, LangSon, NinhBinh, ThanhHoa), Korea, Japan.

113. *Chlaenius (Pachydinodes) pictus* Chaudoir, 1856  
*Chlaenius pictus* Chaudoir, 1856, Bull. Soc. Nat. Mosc.: 299

Distribution: Vietnam, Thailand, Indonesia (Java, Sumatra), Myanmar (Burma), India, Ceylon (SriLanka), Formosa (Taiwan), Japan.

114. *Chlaenius (Spilochlaenius) micans* Fabricius, 1792  
*Carabus micans* Fabricius, 1792, Ent. Syst. 1: 151

Distribution: Vietnam (HaGiang, TienGiang), China, Korea, Japan.

### 10. Subfamily Oodinae La Ferté-Sénéctère, 1851

Tribe **Oodini** La Ferté-Sénéctère, 1851

#### 10.1 Genus *Lachnocrepis* LeConte, 1853

*Lachnocrepis* LeConte, 1853, Trans. Ame. Philo. Soc. 10 (2): 390; type species: *Oodes parallelus* Say, 1830 [by orig. monotypy]

115. *Lachnocrepis japonica* Bates, 1873

*Lachnocrepis japonica* Bates, 1873, Trans. Ent. Soc. Lond.: 255

Distribution: Vietnam (ThaiNguyen, HaGiang, Hai-Phong, NinhBinh, YenBai, ThaiBinh, ThanhHoa), China (mainland), Korea, Japan.

11. Subfamily *Odacanthinae* Castelnau, 1835

Tribe *Lachnophorini* LeConte, 1853

11.1 Genus *Selina* Motschulsky, 1858

*Selina* Motschulsky, 1858, Étud. Ent. 6: 110; type species: *Selina westermanni* Motschulsky, 1858 [by orig. monotypy]

116. *Selina westermanni* Motschulsky, 1858

*Selina westermanni* Motschulsky, 1858, Étud. Ent. 6: 110, tabl. 1, fig. 6; type loc.: India, in Mus. Moscow

Distribution: Vietnam, Hongkong, Indonesia (Ceylon, Sumatra), India, Madagascar, Africa.

Tribe *Odacanthini* Laporte, 1834

11.2 Genus *Eucolliuris* Liebke, 1931

*Eucolliuris* Liebke, 1931, Rev. Zool. Botani. Afri. 20: 284; type species: *Casnoia natalensis* Chaudoir, 1862 [from Central Africa] [by orig. des.]

117. *Eucolliuris fuscipennis* (Chaudoir, 1850)

*Casnoia fuscipennis* Chaudoir, 1850, Bull. Soc. Nat. Mosc. 23 (1): 26; type loc.: China (Tchusan), in coll. Oberthür

Distribution: Vietnam (ThaiNguyen, NinhBinh, ThaiBinh), China, Thailand, Indonesia (Sumatra, Celebes), Malaysia (Malakka), Taiwan, Japan.

11.3 Genus *Mimocolliuris* Liebke, 1933

*Mimocolliuris* Liebke, 1933, Col. Carab.: 207; type species: *Ophionea chadoiri* Boheman, 1858, [from SE Asia] [by orig. des.]

118. *Mimocolliuris andrewesi* (Liebke, 1938)

*Essora andrewes* Liebke, 1938, Festschrift Strand, 4: 83

Distribution: Vietnam (Trungbo-Annam, Tongking).

119. *Mimocolliuris chadoiri* (Boheman, 1858)

*Colliuris chadoiri* Boheman, 1858, Eugen. Resa, Ins. Col. 4: 2; type in Mus. Stockhom

Distribution: Vietnam, Thailand, S. China.

11.4 Genus *Odacantha* Paykull, 1798

*Odacantha* Paykull, 1798, Faun. Suecica 1: 169; type species: *Attelabus melanurus* Lin-

naeus, 1767 [from Swenden] [by orig. monotypy]

120. *Odacantha (Heliocasnoia) metallica* (Fairmaire, 1889)

*Casnoia metallica* Fairmaire, 1889, Ann. Soc. Ent. France 8: 334; type loc.: Vietnam (Tongking), Laligaut; in coll. Oberthür

Distribution: Vietnam (N. Vietnam), S. China, Taiwan, Philippine (Luzon), Japan.

11.5 Genus *Ophionea* Klug, 1821

*Ophionea* Klug, 1821, Nova Acta Phy.-Med. Acad. Caes. Leop.-Car. Nat. Curi. 10: 298; type species: *Cicindela cyanocephala* Fabricius, 1798 (= *Attelabus indicus* Thunberg, 1784) [by subs. Monotypy: Eschscholtz, 1829]

121. *Ophionea (Ophionea) indica* (Thunberg, 1784)

*Casnoidea indica* Thunberg, 1784, Nov. spec. Ins. 3: 68, fig. 81

Distribution: Vietnam, China (Fukien), India (Malabar), Ceylon (SriLanka), Japan.

122. *Ophionea (Ophionea) nigrofasciata* Schmidt-Göble, 1846

*Ophionea nigrofasciata* Schmidt-Göble, 1846, Faun. Col. Birm.: 21; type loc.: Myanmar (Burma), in Mus. Praha

Distribution: Vietnam, Indonesia (Sumatra, Java), Malaysia, Borneo, Myanmar (Burma), New Guinea, Japan.

123. *Ophionea interstitialis* (Schmidt-Göble, 1846)

*Casnoidea interstitialis* Schmidt-Göble, 1846, Faun. Col. Birm.: 20; type loc.: Myanmar (Burma), in Mus. Praha

Distribution: Vietnam (Cochinchina, Tongking), Indonesia (Sumatra, Java), Myanmar (Burma), India, Ceylon (SriLanka).

12. Subfamily *Lebiinae* Bonelli, 1810

Tribe *Anaulacini* Chaudoir, 1876

12.1 Genus *Anaulacus* MacLeay, 1825

*Anaulacus* MacLeay, 1825, Ann. Jan.: 22; type species: *Anaulacus sericipennis* MacLeay, 1825 [from Indonesia (Java)] [by orig. monotypy]

124. *Anaulacus fasciatus* (Schmidt-Göble, 1846)

*Aephnidius fasciatus* Schmidt-Göble, 1846, Faun. Col. Birm.: 89; type loc.: Myanmar (Burma); in Mus. Praha

Distribution: Vietnam (Hue), Indonesia (Sumatra, Java), Myanmar (Burma), Philippine, Taiwan, India, Japan.

12.2 Genus *Endynomena* Chaudoir, 1872  
*Endynomena* Chaudoir, 1872, Ann. Soc. Ent. Belg. 15: 186; type species: *Plochionus pradierei* Fairmaire, 1849 [from Marquesas Is., (Polynesia, South Pacific) and India [by orig. monotypy]

125. *Endynomena pradierei* (Fairmaire, 1849)  
*Plochionus pradierei* Fairmaire, 1849, Rev. Mag. Zool. (2) 1: 34; type loc.: Tahiti Is. (Polynesia, South Pacific), in coll. Oberthür

Distribution: Vietnam (Tongking, Nambo-Cochinchina), Indonesia (Sumatra), Philippine, India, Ceylon (SriLanka), Samoa Is., Tahiti Is., Tonga Is., Hawaii Is., Fiji Is. Polynesia (South Pacific).

12.3 Genus *Physodera* Eschscholtz, 1829  
*Physodera* Eschscholtz, 1829, Zool. Atlas 2: 8; type species: *Physodera dejeani*, Eschscholtz, 1829 [by orig. monotypy]

126. *Physodera eschscholtzi* Parry, 1849  
*Physodera eschscholtzi* Parry, 1849, Trans. Ent. Soc. Lond.: 179, tabl. 18, fig. 2

Distribution: Vietnam (Tongking), Laos, China, Indonesia (Java, Sumatra), Malaysia, Borneo, Philippine, Myanmar (Burma), India, Ceylon (SriLanka).

Tribe *Cyclosomini* Laporte, 1834

12.4 Genus *Aephnidius* MacLeay, 1825  
*Aephnidius* MacLeay, 1825, Ann. Jav.: 23; type species: *Anaulacus adelioides* MacLeay, 1825 [from Indonesia (Java)] [by orig. monotypy]

127. *Aephnidius adelioides* (MacLeay, 1825)  
*Anaulacus (Aephnidius) adelioides* MacLeay, 1825, Ann. Jav.: 23; pl. 1-fig. 7; type loc. Indonesia (Java)

Distribution: Vietnam (Indo-china), S. China, Indonesia (Java, Sumatra, Celebes), Burma (SriLanka), Philippine, Taiwan, India, New-Guinea, Australia, Japan.

12.5 Genus *Cyclosomus* Latreille, 1829  
*Cyclosomus* Latreille, 1829, In Cuvier: Règn. Animal, cd. 2 (2): 394; type species: *Carabus flexuosus* Fabricius, 1775 [by orig. monotypy]

128. *Cyclosomus flexuosus* (Fabricius, 1775)  
*Carabus flexuosus* Fabricius, 1775, Ent. Syst.: 246; type: in Mus. Kopenhagen

Distribution: Vietnam (Cochinchina), Laos, India, Ceylon (SriLanka).

129. *Cyclosomus suturalis* (Wiedemann, 1819)

*Scolytus suturalis* Wiedemann, 1819, Mag. Zool. I (3): 169; type: in Mus. Kopenhagen  
 Distribution: Vietnam (Trungbo-Annam), Laos, India.

Tribe *Dryptini* Bonelli, 1810

12.6 Genus *Desera* Dejean, 1825  
*Desera* Dejean, 1825, Spec. Gén. Col.: 185; type species: *Drypta longicollis* MacLeay, 1825 [by orig. monotypy]

130. *Desera geniculata* (Klug, 1834)  
*Drypta geniculata* Klug, 1834, Jahrb. Der Insektenkunde I: 52; type in Zool. Mus. Berlin; Schmidt-Göble, 1946, Faun. Col. Birm: 5  
 Distribution: Vietnam (Tongking), S.China, Indonesia (Sumatra), Malaysia, Borneo, Philippine, Myanmar (Burma), India (Assam), Taiwan, Japan.

131. *Desera nepalensis* Hope, 1831  
*Desera nepalensis* Hope, 1831, Zool. Misc.: 21; type in Mus. London  
 Distribution: Vietnam (Tongking), Myanmar (Burma), India.

12.7 Genus *Drypta* Latreille, 1796  
*Drypta* Latreille, 1796, Precis. Car. Gen. Ins.: 75; type species: *Carabus dentate* Rossi, 1790 (= *Carabus emarginatus* Gmelin, 1790) [des by Latreille, 1802]

132. *Drypta lineola* MacLeay, 1825  
*Drypta lineola* MacLeay, 1825, Ann. Javanica N. 1; London: Kingsbury, Parbury & Allen, xii + 150pp.  
 Distribution: Vietnam (NinhBinh, Trungbo-Annam), China (Yunnan, Szetschuan), Indonesia (Sumatra, Java), Borneo, Myanmar, Philippine, Taiwan, Japan.

133. *Drypta japonica* Bates, 1873  
*Drypta japonica* Bates, 1873, Trans. Ent. Soc. Lond.: 303-304  
 Distribution: Vietnam (YenBai, VinhPhuc, PhuTho, ThaiNguyen, QuangBinh), Korea, Japan.

134. *Drypta semenovi* Jedlička, 1963  
*Drypta semenovi* Jedlička, 1963, Ent. Abh. 28 (7): 483, type in Mus. Praha

Distribution: Vietnam (PhucSon - ThanhHoa).

Tribe *Galeritini* LeConte, 1853

12.8 Genus *Galerita* Fabricius, 1801  
*Galerita* Fabricius, 1801, Syst. Eleuth. I: 214; Schmidt-Göble, 1846, Faun. Col. Birm: 26; type species; *Carabus americanus* Linnaeus,

1758 [des. by Latreille, 1810]

135. *Galerita batesi* Andrewes, 1923  
*Galerita batesi* Andrewes, 1923, Trans. Ent. Soc. London: 9; type loc.: Myanmar (Karlin Cheba), in coll. Jedlička  
 Distribution: Vietnam (Trungbo-Annam), Myanmar (Burma).

136. *Galleriata orientalis* Schmidt-Göble, 1846  
*Galleriata orientalis* Schmidt-Göble, 1846, Faun. Col. Birm.: 24

Distribution: Vietnam (HaGiang, LaiChau, Tongking, Trungbo-Annam), Hongkong, Indonesia (Sumatra), China, Myanmar, Korea, Japan.

- 12.9 Genus *Planetes* MacLeay, 1825  
*Planetes* MacLeay, 1825, Ann. Jan.: 28; type species: *Planetes bimaculatus* MacLeay, 1825 [by orig. monotypy]

137. *Planets bimaculatus* MacLeay, 1825  
*Planets bimaculatus* MacLeay, 1825, Ann. Jan.: 29, tabl. 1, fig. 8; type loc.: Indonesia (Java), in Mus. London

Distribution: Vietnam, China, Thailand, Indonesia (Sumatra, Java), Myanmar (Burma), India (Assam), Korea.

Tribe **Helluodini** Andrewes, 1929

- 12.10 Genus *Pogonoglossus* Chaudoir, 1862  
*Pogonoglossus* Chaudoir, 1862, Bull. Soc. Nat. Mosc. 26: 304; type species: *Pogonoglossus validicornis*, Chaudoir, 1862 [by orig. monotypy]

138. *Pogonoglossus truncatus* Schmidt-Göble, 1846  
*Libresthis truncates* Schmidt-Göble, 1846, Faun. Col. Birm.: tabl. 2, fig. 4; type loc.: Myanmar (Burma), in Mus. Praha

Distribution: Vietnam (Tongking, Trungbo-Annam), Laos; Indonesia (Borneo), Myanmar (Burma), India.

Tribe **Helluonini** Hope, 1838

- 12.11 Genus *Colfax* Andrewes, 1920  
*Colfax* Andrewes, 1920, Ann. Mag. Nat. Hist. 6: 504; type species: *Colfax stevensi* Andrewes, 1920 [by orig. monotypy]

139. *Colfax stevensi* Andrewes, 1920  
*Colfax stevensi* Andrewes, 1920, Ann. Mag. Nat. Hist. 6: 505; type loc.: India (Sikkim, Gopaldhara), in coll. Jedlička

Distribution: Vietnam (Trungbo-Annam, Tongkinh),

China (Fukien), Laos, Myanmar (Burma), India.

- 12.12 Genus *Macrocheilus* Hope, 1838  
*Macrocheilus* Hope, 1838, Col. Man. II: 166; type species: *Macrocheilus bensoli* Hope, 1838 [by orig. des.]

140. *Macrocheilus asteriscus* (White, 1844)  
*Acanthogenius asteriscus* White, 1844, Ann. Mag. Hist. 14: 422; type in Mus. London; Jedlička, Ent. Abh. 28 (7): 470, fig. 179a  
 Distribution: Vietnam (Trungbo-Annam), Hongkong, Macao (Aomen), Myanmar (Burma), India (Assam).

141. *Macrocheilus besoni* Hope, 1838  
*Macrocheillus besoni* Hope, 1838, Col. Man. II: 166  
 Distribution: Vietnam, Hongkong, S. China, Myanmar (Burma), India, Ceylon (India).

142. *Macrocheilus chaudiroi* Andrewes, 1919  
*Macrocheillus chaudiroi* Andrewes, 1919, Trans. Ent. Soc. London: 130  
 Distribution: Vietnam, Philippine, India.

143. *Macrocheilus vitalisi* Andrewes, 1920  
*Macrocheillus vitalisi* Andrewes, 1920, Ann. Mag. Nat. Hist. 6: 500; type loc.: China, in Mus. London  
 Distribution: Vietnam (HoaBinh), Laos, China, Malaysia (Borneo).

Tribe **Lebiini** Bonelli, 1810

- 12.13 Genus *Apristus* Chaudoir, 1846  
*Apristus* Chaudoir, 1846, Enum. Car. Cauc.: 42; type species: *Apristus subaeneus* Chaudoir, 1846 [by orig. monotypy]

144. *Apristus aeneipenneis* (Schmidt-Göble, 1846)  
*Lionychus aeneipenneis* Schmidt-Göble, 1846, Faun. Col. Birm.: 37; type loc.: Myanmar (Burma), in Mus. Praha  
 Distribution: Vietnam (Tongking), India (Mysore, Martaban).

- 12.14 Genus *Brachychila* Chaudoir, 1869  
*Brachychila* Chaudoir, 1869b, Ann. Soc. Ent. Belg. 12: 123; type species: *Brachychila hypocrita* Chaudoir, 1869 [by orig. monotypy]

145. *Brachychila hypocrita* Chaudoir, 1869  
*Brachichila hypocrita* Chaudoir, 1869b, Ann. Soc. Ent. Belg. 12: 123-124, type loc.: Hongkong, in coll. Oberthür  
 Distribution: Vietnam (Trungbo-Annam, Tongking),



- Hongkong, Taiwan, India.
- 12.15 Genus *Calleida* Latreille, 1824  
*Calleida* Latreille, 1824, Hist. Nat. Iconogr. Col. Eur. 2: 132; type species: *Carabus decorus* Fabricius, 1801 (= *Calleida cordicollis* Putzeys, 1845), [from North America] [des. by Andrewes, 1939]
146. *Calleida pallipes* Andrewes, 1931  
*Calleida pallipes* Andrewes, 1931, Ann. Mag. Nat. Hist. (10) 7: 525; type loc.: Vietnam (Tongking; Hoabinh), in coll. Andrewes  
 Distribution: Vietnam (HoaBinh), Nepal, N. India.
147. *Calleida propingua* Fleutiaux, 1887  
*Calleida propingua* Fleutiaux, 1887, Ann. Soc. Ent. France 7: 59; type loc.: Vietnam (Hue), in Mus. Paris  
 Distribution: VietNam (Hue).
148. *Calleida splendidula* (Fabricius, 1881)  
*Carabus splendidula* Fabricius, 1881, Syst. Elcuth. 1: 184; type loc.: India  
 Distribution: Vietnam (Trungbo-Annam), China (Fukien, Shanghai), Hongkong, Myanmar (Burma), Indonesia (Java), Philippine, India, Nepal, Japan.
- 12.16 Genus *Celaenephes* Schmidt-Göble, 1846  
*Celaenephes* Schmidt-Göble, 1846, Fauna. Col. Birm.: 77; type species: *Celaenephes parallelus* Schmidt-Göble, 1846 [from Myanmar (Burma)] [by orig. monotypy]
149. *Celaenephes parallelus* Schmidt-Göble, 1846  
*Celaenephes parallelus* Schmidt-Göble, 1846, Faun. Col. Birm.: 78, pl. 2-fig. 5; type loc.: Myanmar (Burma), in Mus. Praha  
 Distribution: Vietnam, Thailand, Indonesia (Moluccas), Malaysia, Borneo, Myanmar, Philippine, India, SriLanka, New Caledonia, New Guinea, Australia.
- 12.17 Genus *Coptodera* DeJean, 1825  
*Coptodera* DeJean, 1825, Spec. gen. Col. I: 273; type species: *Coptodera festiva* DeJean, 1825 [from Cuba] [des. by Habu, 1838]
150. *Coptodera eluta* Andrewes, 1923  
*Coptodera eluta* Schmidt-Göble: Chaudoir, 1869, Ann. Soc. Ent. Belg. 12: 194-195  
 Distribution: Vietnam, Thailand, Indonesia (Java), Philippine, Malaysia; Myanmar (Burma), India, Ceylon (SriLanka), Formosa (Taiwan), Korea, Japan.
151. *Coptodera flexuosa* Schmidt-Göble, 1846  
*Coptodera flexuosa* Schmidt-Göble, 1846, Faun. Col. Birm.: 55; type loc.: Myanmar (Burma), in Mus. Praha; Jedlička, 1963, Ent. Abh. 28 (7): 350, fig. 92  
 Distribution: Vietnam, Philippine, Myanmar (Burma), Malaysia, Taiwan, India.
152. *Coptodera piligera* (Chaudoir, 1883)  
*Coptodera piligera* Chaudoir, 1883, in Oberthür coll. Novit. I: 20; type loc.: China (Moupin), in coll. Oberthür  
 Distribution: Vietnam (Tongking), China (Fukien), Laos, Myanmar (Burma), Malaysia (Perak), India.
- 12.18 Genus *Cymindoidea* Laporte, 1833  
*Cymindoidea* Laporte, 1833, Ann. Soc. Ent. France Imp.: 390 [nom. Prot.]; type species: *Cymindis bisignata* Dejean, 1831 [by orig. monotypy]
153. *Cymindoidea boysii* (Chaudoir, 1850)  
*Cymindis boysii* Chaudoir, 1850, Bull. Soc. Nat. Mosc. 23: 50, type in coll. Oberthür  
 Distribution: Vietnam, Hongkong, Myanmar, India (Kaschmir), SriLanka.
- 12.19 Genus *Dolichoctis* Schmidt-Göble, 1846  
*Dolichoctis* Schmidt-Göble, 1846, Faun. Col. Birm.: 62; type species: *Dolichoctis striata* Schmidt-Göble, 1846 [from Myanmar (Burma)] [by orig. monotypy]
154. *Dolichoctis angulicollis* Chaudoir, 1869  
*Dolichoctis angulicollis* Chaudoir, 1869b, Ann. Soc. Ent. Belg. 12: 250; type loc.: Myanmar (Ranggon), in coll. Oberthür  
 Distribution: Vietnam (Tongking), Laos, Indonesia (Java), Malaysia (Penang), Myanmar (Burma).
155. *Dolichoctis striata* Schmidt-Göble, 1846  
*Dolichoctis striata* Schmidt-Göble, 1846, Faun. Col. Birm.: 62; type loc.: Myanmar (Burma), in Mus. Praha  
 Distribution: Vietnam (Tongking), Laos, Thailand, Myanmar, Malaya peninsula, Indonesia (Java, Celebes), Philippine, SriLanka, New-Guinea; Australia (Queensland), Japan.
156. *Dolichoctis tetracolon* Chaudoir, 1869  
*Dolichoctis tetracolon* Chaudoir, 1869b, Ann. Soc. Ent. Belg. 12: 248; type loc.: Borneo, Malaysia (Sarawak), in coll. Oberthür  
 Distribution: Vietnam (Trungbo-Annam), Indonesia (Sumatra), Borneo, Malaysia (Malakka, Sarawak), Myanmar, Philippine.

- 12.20 Genus *Dromius* Bonelli, 1810  
*Dromius* Bonelli, 1810, Mem. Acad. Torino 18: tabl. Synopt; type species: *Carabus quadrimaculatus* Linnaeus, 1758 [by subs. Monotypy: Samouelle, 1819]
157. *Dromius alienus* Bates, 1889  
*Dromias alienus* Bates, 1889, Bull. Soc. Nat. France 9: 285; type loc.: Vietnam (Hue), in Mus. Paris  
 Distribution: Vietnam (Hue), Myanmar (Burma).
- 12.21 Genus *Holcoderus* Chaudoir, 1869  
*Holcoderus* Chaudoir, 1869, Ann. Soc. Ent. Belg. 12: 153; type species: *Holcoderus praemorsus* Chaudoir, 1869 [by orig. monotypy]
158. *Holcoderus gracilis* (Oberthür, 1883)  
*Catascopus gracilis* Oberthür, 1883, Not. Leyd. Museum 5: 220; type in Mus. Leiden  
 Distribution: Vietnam (Trungbo-Annam), Indonesia (Sumatra), Malaysia (Kuala-Lampur), Philippine.
159. *Holcoderus smaragdinus* Andrewes, 1926  
*Holcoderus smaragdinus* Andrewes, 1926, Ann. Mag. Nat. Hist. 18: 287; type loc.: Vietnam (Tongking: HoaBinh), Indonesia (Borneo, Sumatra), in coll. Jedlička  
 Distribution: Vietnam (HoaBinh), Indonesia (Borneo, Sumatra).
- 12.22 Genus *Lebia* Latreille, 1802  
*Lebia* Latreille, 1802, Hist. Nat. Crust. Ins. 3:85; type species: *Carabus haemorrhoidalis* Fabricius, 1787 [= *Lebia marginata* (Geoffroy in fourcroy, 1785)] [des. by Chenu, 1851]
160. *Lebia (Poecilothais) calycophora* Schmidt-Göble, 1846  
*Lebia calycophora* Schmidt-Göble, 1846, Faun. Col. Birm.: 44-45; type loc.: Myanmar (Burma), in Mus. Praha  
 Distribution: Vietnam (Trungbo-Annam), China (Fukien), Thailand, Malaysia (Perak), Indonesia (Sumatra), Myanmar (Burma), India.
- 12.23 Genus *Lioptera* Chaudoir, 1869  
*Lioptera* Chaudoir, 1869, Ann. Soc. Ent. Belg. 12: 208; type species *Lioptera quadriguttata* Chaudoir, 1869 [from Philippine] [by orig. monotypy]
161. *Lioptera erotyloides* Bates, 1883  
*Lioptera erotyloides* Bates, 1883, Trans. Ent. Soc. Lond.: 280, pl. 13-fig 5; type loc.: Japan (Yuyama, Junsai), in Mus London  
 Distribution: Vietnam (Tongking), China (Kiu-kiang, Fukien), Korea, Japan.
- 12.24 Genus *Microlestes* Schmidt-Göble, 1846  
*Microlestes* Schmidt-Göble, 1846, Faun. Col. Birm.: 41; type species: *Microlestes inconspicuus* Schmidt-Göble, 1846 [des. by Andrewes, 1943]
162. *Microlestes annamensis* (Bates, 1889)  
*Blechrus annamensis* Bates, 1889b, Ann. Soc. Ent. France 9: 285; type loc.: Vietnam (Trungbo-Annam), in Mus Paris  
 Distribution: Vietnam (Trungbo-Annam), Cambodia.
- 12.25 Genus *Miscelus* Klug, 1834  
*Miscelus* Klug, 1834, Jahrb. Insekrenkunde I: 82; type species: *Miscelus javanus* Klug, 1834 [by orig. monotypy]
163. *Miscelus javanus* Klug, 1834  
*Miscelus javanus* Klug, 1834, Jahrb. Insekrenkunde I: 82, tabl. 1, fig. 9; type in Zool. Mus. Berlin  
 Distribution: Vietnam, Thailand, Indonesia (Sumatra, Java, Celebes), Malaya peninsula, Borneo, Philippine, Myanmar, Taiwan, India (Sikkim), New-Guinea
- 12.26 Genus *Mochtherus* Schmidt-Göble, 1846  
*Mochtherus* Schmidt-Göble, Faun. Col. Burm. 1846: 76; type species: *Mochtherus angulatus* Schmidt-Göble, 1846 [= *Mochtherus tetraspilotus* (Macleay, 1825)] [des. by Andrewes, 1939]
164. *Mochtherus tetraspilotus* (MacLeay, 1825)  
*Dromius tetraspilotus* MacLeay, 1825, Annual Jan. 1: 25; type loc.: Indonesia (Java)  
 Distribution: Vietnam (Tongking), Laos; Myanmar (Burma), Indonesia (Java), Borneo, Malaya peninsula, Philippine, India, Ceylon (SriLanka), Taiwan.
- 12.27 Genus *Parena* Motschulsky, 1859  
*Parena* Motschulsky, 1859, Étud. Ent. 8: 31; type species: *Parena bicolor* Motschulsky, 1859 [from Indonesia (Java)] [by orig. monotypy]
165. *Parena nigrolineata* (Chaudoir, 1852)  
*Phloeodromius nigrolinetus* Chaudoir, 1852, Bull. Soc. Nat. Mosc. 25 (1): 44  
 Distribution: Vietnam (Trungbo-Annam, Tongking),

- China, Myanmar (Burma), India, Ceylon (Sri Lanka), Korea, Japan.
166. *Parena rufotestaces* Jedlička, 1934  
*Parena rufotestaces* Jedlička, 1934, Acta Soc. Ent. Praha 31: 17; type loc.: China (Szetschuan, Tatsienlu); in coll. Jedlička; Yunnan-fou; in coll. Andrewes  
 Distribution: Vietnam (Hoabinh), China (Szetschuan, Yunnan, Fukien), Taiwan.
167. *Parena (Bothynoptera) dorsigera* (Schaum, 1863)  
*Bothynoptera dorsigera* Schaum, 1863, Journ. Ent. 2: 76, tabl. 4, fig. 3; type loc.: India (N. Hindustan), in Zool. Mus. Berlin  
 Distribution: Vietnam (Tongking), India.
- 12.28 Genus *Pericalus* MacLeay, 1825  
*Pericalus* MacLeay, 1825, Ann. Jav.: 15; type species: *Pericalus cicindeloides* MacLeay, 1825 [by orig. monotypy]
168. *Pericalus (Pericalus) ornatus* Schmidt-Göble, 1846  
*Pericalus ornatus* Schmidt-Göble, 1846, Faun. Col. Birm.: 86; type loc.: Myanmar (Burma), in Mus. Praha  
 Distribution: Vietnam, Thailand, Myanmar (Burma), India (Assam).
- 12.29 Genus *Peripristus* Chaudoir, 1869  
*Peripristus* Chaudoir, 1869, Ann. Soc. Ent. Belg. 12: 135; type species: *Thyreopterus ater* Laporte, 1935 [by orig. monotypy]
169. *Peripristus ater* Castelnau, 1835  
*Thyreopterus ater* Castelnau, 1835, Étud. Ent. I: 149; type loc.: Malaysia (Malakka), in Mus. Genova  
 Distribution: Vietnam (Nambo-Cochinchina), Siam (Thailand), Indonesia (Java, Sumatra), Malaya peninsula, Borneo, Myanmar (Burma), India; v. *schenklingi* Dupuis: Taiwan
- 12.30 Genus *Risophilus* Leach, 1815  
*Risophilus* Leach, 1815, in Brewster Edinb. Encycl. 9: 81; type species: *Peliocypas suturalis* Schmidt-Göble, 1846 [by orig. monotypy]
170. *Risophilus cordicollis* (Bates, 1889)  
*Demetrius cordicollis* Bates, 1889, Ann. Soc. Ent. France 9: 284; type loc.: Vietnam (Hue), in Mus. Paris  
 Distribution: Vietnam (Hue).
171. *Risophilus signififer* (Schmidt-Göble, 1846)  
*Peliocypas signififer* Schmidt-Göble, 1846, Faun. Col. Birm.: 35; type loc.: Myanmar (Burma), in Mus. Paraha  
 Distribution: Vietnam (Cochinchina), Indonesia (Sumatra, Java), Myanmar.
172. *Risophilus uniformis* Fairmaire, 1888  
*Risophilus uniformis* Fairmaire, 1888, Ann. Soc. Ent. France 8: 334; type loc.: Vietnam (Tongking), in coll. Oberthür  
 Distribution: Vietnam (Tongking).
- 12.31 Genus *Taicona* Bates, 1873  
*Taicona* Bates, 1873, Trans. Ent. Soc. Lond.: 314; type species: *Taicona aurata* Bates, 1873 [by orig. monotypy]
173. *Taicona perroti* Jedlička, 1963  
*Taicona perroti* Jedlička, 1963, Ent. Abh. 28 (7): 448, tabl. VI, fig. 51; type loc.: Vietnam (Tongking: ThaiNguyen), in Mus. Paris  
 Distribution: Vietnam (ThaiNguyen).
- Tribe **Pentagonicini** Bates, 1873
- 12.32 Genus *Orthogonius* MacLeay, 1825  
*Orthogonius* MacLeay, 1825, Ann. Jan.: 26; type species *Carabus duplicatus* Wiedemann, 1819
174. *Orthogonius alternans* (Wiedemann, 1823)  
*Plochionus alternans* Wiedemann, 1823, Zool. Mag. 2: 52; type in Mus. Copenhagen  
 Distribution: Vietnam (Trungbo-Annam, Tongking), Laos, Thailand, Indonesia (Sumatra, Java), Malaysia (Borneo), Myanmar (Burma), Philippine, India.
175. *Orthogonius duplicatus* (Wiedemann, 1819)  
*Carabus duplicatus* Wiedemann, 1819, Zool. Mag. 1 (3): 166; type in Mus. Copenhagen  
 Distribution: Vietnam (Cochinchina), Laos, Indonesia (Java), Malaya peninsula, Myanmar (Burma), India.
176. *Orthogonius mouhoti* Chaudoir, 1871  
*Orthogonius mouhoti* Chaudoir, 1871, Ann. Soc. Ent. Belg. 14: 107; type loc.: Laos and Vietnam (Cochinchina), in coll. Oberthür  
 Distribution: Vietnam (Cochinchina), Laos, Indonesia (Sumatra).
- 12.33 Genus *Pentagonica* Schmidt-Göble, 1846  
*Pentagonica* Schmidt-Göble, 1846, Faun. Col. Birm.: 47; type species: *Pentagonica ruficollis* Schmidt-Göble, 1846 [des. by Andrewes, 1939]

177. *Pentagonica ruficollis* Schmidt-Göble, 1846  
*Pentagonica ruficollis* Schmidt-Göble, 1846,  
Faun. Col. Birm.: 48; type loc.: Myanmar (Bur-  
ma), in Mus. Praha

Distribution: Vietnam (Tongking), Indonesia (Java,  
Sumatra), Malaysia (Borneo), Myanmar (Burma),  
Taiwan, E. Timor, Australia.

Tribe **Zuphinini** Bonelli, 1810

13.34 Genus **Zuphium** Latreille, 1806

*Zuphium* Latreille, 1806, Gen. Cruss. Ins. I:  
198; type species: *Carabus olens* Rossi,  
1790 [des. by Latreille, 1810]

178. *Zuphium olens* (Rossi, 1790)

*Carabus olens* Rossi, 1790, Faun. Etrusca I:  
217

Distribution: Vietnam (Trungbo-Annam, Cochinchina),  
China, Thailand, Myanmar (Burma), Persia,  
Turkestan, Kaukasus, Mediterranean area.

**Acknowledgements** We thanks to Dr. G. Lafer from Institute of Biology and Pedology, FEB, Russian Science Academy who helped us for the identification of Vietnam materials and provided numerous materials, literatures. And we also sincerely thanks to Profs. Kyu Tek Park (Kangwon National University, Korea) and Yang Seop Bae (University of Incheon, Korea) and Dr. Voung (National Institute for Plant Protection, Vietnam) for their kind arrangements and advice during collecting expedition in Vietnam. This study was partly supported in finance by an international cooperative work between Korea and Vietnam of KISTEP (2004-2007).

## Literature Cited

- Andrewes H.E. 1919a. On the types of Oriental Carabidae in the British Museum, and in the Hope Department of the Oxford University Museum. The Transactions of the Entomological Society of London: 130, 150-151, 177-178, 193, 198.
- Andrewes H.E. 1919b. Paper on Oriental Carabidae I. The Annals and Magazine of Natural History IX, 3: 473
- Andrewes H.E. 1925. Revision of Oriental species of genus Tachys. Annali del Museo Civico di Storia Naturale "Giacomo Doria" 51: 370-502; tabl. 3-fig. 9, 17, tabl. 4-fig. 32.
- Andrewes H.E. 1926. Paper on Oriental Carabidae. -XVII. The Annals and Magazine of Natural History IX, 17: 255, 381.
- Andrewes H.E. 1931. Paper on Oriental Carabidae (25). The Annals and Magazine of Natural History (10) 7: 525.
- Andrewes H.E. 1937. Paper on Oriental Carabidae 31. The Annals and Magazine of Natural History X, 19: 493
- Bates H.W. 1873. Descriptions of new genera and species of geodephagous Coleoptera, from China. The Transactions of the Entomological Society of London: 270-272, 331.
- Bates H.W. 1889. Contributions à la faune Indo-chinoise: 3e mémoire. Annales de la Société de France IX (6): 284-285.
- Bedel L. 1910. Sur l'Ophionea chaudoiri Bohem. Et sur quelques genres du groupe des Colliuris Degeer [Col.: Carab.]. Bulletin de la Société Entomologique de France: 71-72.
- Breuning S. 1933. Monographie der Gattung Carabus L. (IV. Teil). Bestimmungs-Tabellen der euroäischen Coleopteren. 108. Heft. Troppau: Emmerich Reitter VII: 21.
- Chaudoir M. de. 1868a. Observations synonymiques sur les Carabiques de l'Amérique septentrionale et descriptions d'espèces nouvelles de ce pays. Revue et Magasin de Zoologie Pure et Appliquée II, 20: 212.
- Chaudoir M. de. 1868b Révision des Trigonotomides. Annales de la Société Entomologique de Belgique 11 [1867-1868]: 153, 158, 159, 160.
- Chaudoir M. de 1871. Essai monographique sur les orthogoniens. Annales de la Société Entomologique de Belgique [1871-1872] 14: 107.
- Chaudoir M. de. 1876. Monographie des Brachynides. Annales de la Société Entomologique de Belgique 19: 11-104.
- Csiki E. 1928. Carabidae II. Harpalinae II. (pars 98). In: Junk W. & Schenkling S. (eds.): Coleopterum catalogus. Volumen II. Carabidae II. Berlin: W. Junk: 183.
- Darlington, P.J. Jr. 1971. The carabidae beetles of New Guinea. Part IV. General consideration; anaalysis and history of fauna; taxonomic supplement-Bulletin of the Museum of Comparative Zoology, 142 (2): 129-337.
- Dejean P.F.M.A. 1821. Catalogue de la collection de Coléoptères de M. le Baron Dejean. Paris: Crevot: 15, 16.
- Deuve T. 1990. Description de deux nouveaux Carabus d'Extrême Orient. Bulletin de la Société Sciences Nat N0. 65: 26
- Deuve T. 2004. Illustrated catalogue of the genus Carabus of the world. Pensoft series Faunistic No 34. 461pp.
- Deuve T. & Imura Y. 1993. Descriptions de quelques nouveaux Carabus (Apotomopterus, Pagocarabus, Eoecchenus, Calocarabus) et Cychrus (Coleoptera: Carabidae) des montagnes du sud-est del' Asia (Chine, Viêt-Nam). Elytra 21: 188.
- Fabricius J.C. 1775. Systema entomologiae, sistens insectorum classes, ordines, genera, species, adiectis synonymis, locis, descriptionibus, observationibus. Flensburgi et Lipsiae: Libraria Kortii: 246, 249.
- Fairmaire L. 1889. Descriptions de Coléoptères de l'Indochine. Annales de la Société Entomologique de France VIII (6): 333, 334.
- Fleutiaux E. 1887. [new species]. Annales de la Société Entomologique de France 7: 59.
- Imura Y. & Mizusawa K. 1997. New species of genus Carabus L., from N. VietNam, Gekkan-Muchi, N0. 320: 7
- Imura Y. and Nguyen D. 2004. A New subspecies of Apotomopterus cheni (Coleoptera, Carabidae) from the Northern End of Vietnam, Elytra, Tokyo, (Nov. 2004) 32 (2): 249-251.
- Ito N. 2000. Five new species of the genus Stenolophus (s.str.) from subtropical Asia (Coleoptera: Carabidae: Harpalinae). Entomology Review Japan 55 (2): 117-129.
- Jeannel R. 1932. Révision du genre Limnastis (Coleoptera: Carabidae). In: Livre du Centenaire. Paris: Société Entomologique de France: 167, 180, 428.
- Jedlička A. 1939. Neue Carabiden aus Ostasien. (XII. Teil.), 8pp. Private publication, Praha.
- Jedlička A. 1954. Neue Carabiden aus der Sammlung des Ungarischen Naturwissenschaftlichen Museums in Budapest (Coleoptera). Annales Historico-Naturales Musei

- Hungarici (S.N.) 5: 123.
- Jedlička A. 1962. Monographie des Tribus Pterostichini aus Ostasien (Pterostichi, Trigonotomi, Myadi) (Coleoptera: Carabidae). *Entomologische Abhandlungen* 26: 308, 309, 315-320, 326, 327; tabl. 2- fig. 12, fig. 125.
- Kwon Y.J. & S.M. Lee. 1986. Check list of Superfamily Caraboidea from Korea (Coleoptera). *Insecta Koreana*, Series VI, (December 1986): 16, 20, 21, 44-48, 51, 54.
- Lafer G.S. 1973. O maloizvestnykh zhuzhelitsakh (Coleoptera: Carabidae) iz Primor'ya I ikh zoogeograficheskaya kharakteristika. *Entomologicheskoe Obozrenie* 52: 852 (in Russian).
- Larochelle A. and M. -C. Larivière. 2003. A natural history of the ground - beetles (Coleoptera: Carabidae) of the America north of Mexico.
- Liebke M. 1931. Laufkäfer-Studien VII. Zwei neue Carabiden-Arten aus Sudost-Asien. *Entomologischer Anzeiger* 11: 262.
- Löbl I, & A. Smetana. 2003. Catalogue of Palearctic Coleoptera, Volume I: Archostemata-Myxophaga-Adephaga. Apollo books: 271, 348, 349, 353, 354, 407, 435, 471, 520.
- Lorenz, W. 2005. Nomina Carabidarum- A directory of the scientific names of ground beetles (Insecta, Coleoptera "Geadephaga": Trachypachidae and Carabidae incl. Pausinae, Cicindelinae, Rhysodinae). 2th ed. 993pp.
- Louwerens C. J. 1956 - Carabidae (Coleoptera) from Ceylon. Results of voyage to Ceylon 1953-1954 by F. Keiser. *Verh. Naturf. Ges. Basel* (67): 42, 44-45.
- Motschulsky V. 1854. Coléoptères du nord de la Chine (Chingai). *Études Entomologiques* 3: 63.
- NIPP (National Institute for Plant Protection). 1967-1968. Result of Entomology Expeditions in Cultural Plants, Vietnam.
- NIPP (National Institute for Plant Protection). 1977-1978. Result of Entomology Expeditions in Cultural Plants, Vietnam.
- NIPP (National Institute for Plant Protection). 1997-1998. Result of Entomology Expeditions in Cultural Plants, Vietnam.
- Ober, K. 2003. Arboreality and morphological evolution in ground beetles (Carabidae: Harpalidae): testing the taxon plus model. *Evolution* 57: 1343-1358.
- Oberthür R. 1883. Carabides nouveaux récoltés à Serdang (Sumatra oriental) par M.B. Hagen. *Notes from the Leyden Museum* 5: 233.
- Park J.K. et J.C. Paik, 2001. Family Carabidae. *Economic Insects of Korea* 12. *Insecta Koreana Supplement* 19: 30, 37, 115-120, 123, 154.
- Park J.K. 2004. Subfamily Carabinae in Korea (Coleoptera: Carabidae). *Economic Insecta of Korea* 23. *Ins. Korean Suppl.* 30. 90pp.
- Saito A. 1995. A New Apterous Tachyine (Coleoptera: Carabidae: Bembidiinae) from Northern Vietnam. *The Japanese Society of Coleopterology Tokyo - Elytra* 4: 233-237.
- Straneo S.L. 1949. [new species]. *Bulletin de la Société Institute Sciences des Belgique* 25: 8.
- Tschitchérine T. 1889. Mémoire sur le genre *Trichocellus* (Ganglb.). *Horae Societatis Entomologicae Rossicae* 32: 162.
- Tschitchérine T. 1900. Note supplémentaire sur le genre *Trichocellus* (Ganglb.) *Horae Societatis Entomologicae Rossicae* 34: 155, 162, 168, 174, 180.
- Turin H., Penev L. and A. Casale. 2003. The genus *Carabus* in Europe. A synthesis. *Pensoft Fauna Europe Invertebrate No 2*. 511pp.
- Uéno, S.-I. 1995. The Trechinae (Coleoptera: Carabidae) from Northern Vietnam. Two new species from Mt. Tam Dao. *Bulletin of the National Science Museum, series A (Zoology)*, Volume 21, NO. 1: 13-25; fig. 1-6.
- Uéno, S.-I. 1999. The Trechinae (Coleoptera: Carabidae) from Northern Vietnam. Genus *Agonotrechus*. *Bulletin of the National Science Museum, series A (Zoology)*, Volume 25, NO. 4: 269-288; fig. 1-9.