

## Some Notes on Dytiscoid-Beetles from Vietnam (Coleoptera)

By M. SATÔ, Nagoya, Japan

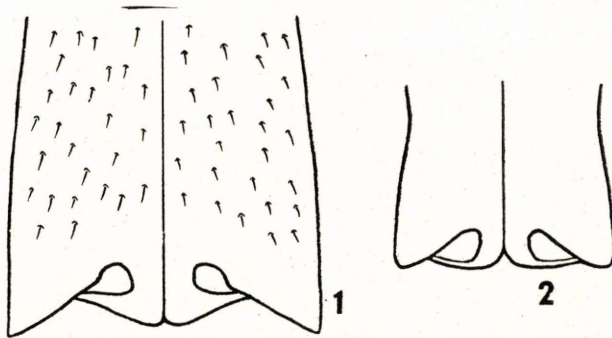
Through the courtesy of Dr. Z. KASZAB, Director General of the Hungarian Natural History Museum, I have examined a large number of Dytiscoid beetles in the collection of the Museum. These specimens were captured in Vietnam by Dr. T. PÓCS in 1963. According to the identification 29 species belonging to 14 genera of 2 families can be listed: 1 subgenus and 2 species are new to science and described herein.

I received aquatic beetles for determination also from Mr. S. INOUÉ in Osaka. Ten Dytiscoid species in his collection can be added to the previous list.

I am very grateful to Dr. Z. KASZAB for the opportunity to examine the interesting specimens and the publication of the paper. I wish to express my gratitude to Mr. S. INOUÉ for his kindness in making available several specimens, and to Dr. A. TAKAHASHI for his kind preparing of the manuscript.

### Family Noteridae

#### 1. *Hydrocoptus* (*Neohydrocoptus*) *bivittis* MOTSCHULSKY (Fig. 1)



Figs. 1-2. Internal lamina of hind coxae: 1=*Hydrocoptus* (*Neohydrocoptus*) *bivittis* MOTSCHULSKY, 2=*Hydrocoptus* (*H.*) *subvittulus* MOTSCHULSKY

*Hydrocoptus bivittis* MOTSCHULSKY, 1859, Etud. Ent. 8: 44.

Specimens examined: 3 exs. Hanôï, 40 m, l'hôtel, 1, 4, 31. X. 1963, leg. T. PÓCS.  
Distribution: India, Ceylon, Burma, Vietnam, China.

Note: Owing to some peculiar features of this species a new subgenus may be established for it.



**Neohydrocoptus** subgen. nov.

(Type-species: *Hydrocoptus bivittis* MOTSCHULSKY, 1859).

The new subgenus can be separated from the nominate subgenus by the following points: body distinctly convex, internal lamina of hind coxae acuminate at each terminal corner and scattered with numerous setiferous punctures on surface, right lateral lobe of male genitalia elongate and provided with a group of hairs on the apical portion (Fig. 1-2).

**2. Hydrocoptus (H.) subvittulus** MOTSCHULSKY (Fig. 2.)

*Hydrocoptus subvittulus* MOTSCHULSKY, 1860. Etud. Ent. 8: 43.

*Hydrocoptus vittatus* SHARP, 1882. Sci. Trans. R. Dublin Soc. 2: 262.

*Methles sternalis* SEIDLITZ, 1887. Verh. Naturf. Ver. Brünn 25: 78.

Specimens examined: 18 exs. Lao-cai, 300 m, forêt trop. second. 21. IX, 1963, leg. T. Pócs; 32 exs. Hanôï, 40 m l'hôtel, 11. IX.-31. X. 1963, leg. T. Pócs; 5 exs. Prov. Nghe-An, forêtière Quy-châu, 200 m, forêt pluv. trop. semidecid, 25, 28. VIII. 1963, leg. T. Pócs; 4 exs. Prov. Ninh-Binh Res. Cuc-Phüông, Dang forêt tropic. pluv. 200 m, 16. IX.-12. X. 1963, leg. T. Pócs; 2 exs. baie d'Ha-long, Hông-gai, 0-10 m, l'hôtel, 8. IX. 1963, leg. T. Pócs.

Distribution: India, Ceylon, Vietnam, China, Sumatra, Java.

**3. Hydrocanthus indicus** WEHNKE

*Hydrocanthus indicus* WEHNKE, 1876. Deutsch. Ent. Zeitsch.: 223.

Specimen examined: 1 ex. Saigon, 8. VI. 1963, leg. S. INOUÉ.

Distribution: Burma, Thailand, Cambodia, Vietnam, Sumatra, Java, Borneo.

**4. Canthydrus flavus** (MOTSCHULSKY)

*Canthydrus flavus* MOTSCHULSKY, 1856, Etud. Ent. 5: 83.

*Canthydrus fulvescens* RÉGIMBART, 1889. Ann. Soc. ent. France (6) 9: 149.

Specimens examined: 73 exs. Hanôï, 40 m l'hôtel, 7. VIII-31. X. 1963, leg. T. Pócs; 2 exs. Prov. Ha-Tinh, forêtière Hüông-sôn, 150 m forêt trop. pluv. 14. VIII. 1963, leg. T. Pócs; 1 ex. Prov. Nghe-An, forêtière Quy-châu, 200 m, forêt pluv. trop. semidecid. 25. VIII. 1963, leg. T. Pócs; 1 ex. Ninh-Binh, Res. Cuc-Phüông, Dang forêt tropic. pluv. 200 m, 16. IX. 1963, leg. T. Pócs; 1 ex. baie d'Halong, Hông-gai, 0-10 m l'hôtel, 5. IX. 1963, leg. T. Pócs.

Distribution: India, Burma, China, Vietnam, Sumatra, Java, Formosa.

**5. Canthydrus nitidulus** SHARP

*Canthydrus nitidulus* SHARP, 1882, Sci. Trans. R. Dublin Soc. 2: 278.

Specimens examined: 1 ex. Hanôï, 40 m l'hôtel, 29. X. 1963, leg. T. Pócs; 1 ex. Prov. Ninh-Binh. Res. Cuc-Phüông, Dang forêt tropic. pluv. 200 m, 14. X. 1963, leg. T. Pócs.

Distribution: China, Vietnam, Formosa, Ryukyus.

Family **Dytiscidae**

**1. Hyphydrus (Apriophorus) pulchellus** CLARK

*Hyphydrus pulchellus* CLARK, 1863. Trans. Ent. Soc. London (3) 1: 420.

*Hyphydrus wui* GSCHWENDTNER, 1932. Bull. Peking Nat. Hist. Soc. 7: 161.



Specimen examined: 1 ex. Prov. Ha-Tinh, forestière, Hüöng-sön, 150 m, forêt trop. pluv. 15. VIII. 1963, leg. T. Pócs.

Distribution: Vietnam, China.

## 2. *Hyphydrus (Apriophorus) lyratus* SWARTZ

*Hyphydrus lyratus* SWARTZ, 1808. in Schon. Syn. Ins. 2: 29, t. 4, f. 1.

*Hyphydrus nigronotatus* CLARK, 1863. Trans. Ent. Soc. London (3) 1: 421.

*Hyphydrus bisulcatus* CLARK, 1863, Trans. Ent. Soc. London (3) 1: 422.

*Hyphydrus fossulipennis* MACLEAY, 1871. Trans. Ent. Soc. N.S. Wales 2: 122.

Specimen examined: 1 ex. Hanôï, 40 m l'hôtel, 11. IX. 1963, leg. T. Pócs.

Distribution: Ceylon, Burma, Andaman Is., Vietnam, China, Formosa, Ryukyus, Sumatra, Java, New Guinea, Australia.

## 3. *Hydrovatus acuminatus* MOTSCHULSKY

*Hydrovatus acuminatus* MOTSCHULSKY, 1859. Etud. Ent. 8: 42.

*Hydrovatus badius* CLARK, 1863. Trans. Ent. Soc. London (3) 1: 424.

*Hydrovatus malaccæ* CLARK, 1863. Trans. Ent. Soc. London (3) 1: 425.

*Hydrovatus consanguineus* RÉGIMBART, 1880. Not. Leyden Mus. 2: 212.

Specimens examined: 69 exs. Hanôï, 40 m l'hôtel 30. VIII. — 1. X. 1963, leg. T. Pócs; 2 exs. Prov. Ninh-Binh, Res. Cuc-Phüöng, 200 m limit des forêts, 18. IX. 1963, leg. T. Pócs; 1 ex. Prov. Ha-Tinh, forestière Hüöng-sön, 150 m forêt trop. pluv. 14. VIII. 1963, leg. T. Pócs; 1 ex. Lao-cai, 300 m forêt trop. second. 21. IX. 1963, leg. T. Pócs.

Distribution: India, Burma, Vietnam, Malay Peninsula, China, Formosa, Sumatra, Java, Borneo, Celebes, Philippines.

## 4. *Hydrovatus bonvouloiri* SHARP

*Hydrovatus bonvouloiri* SHARP, 1882, Sci. Trans. R. Dublin Soc. 2: 335.

Specimens examined: 1 ex. Hanôï, 40 m l'hôtel, 31. X. 1963, leg. T. Pócs; 1 ex. Prov. Ha-Tinh, forestière Hüöng-sön, 150 m forêt trop. pluv. 14. VIII. 1963, leg. T. Pócs.

Distribution: India, Burma, China, Vietnam.

## 5. *Hydrovatus confertus* SHARP

*Hydrovatus confertus* SHARP, 1882. Sci. Trans. R. Dublin Soc. 2: 329.

Specimens examined: 26 exs. Hanôï, 40 m l'hôtel, 7. VIII. — 2. X. 1963, leg. T. Pócs; 1 ex. Prov. Ha-Tinh, forestière, Hüöng-sön, 150 m forêt trop. pluv. 14. VIII. 1963, leg. T. Pócs.

Distribution: India, Ceylon, Burma, Vietnam, Thailand, Sumatra, Java.

## 6. *Hydrovatus ferrugatus* RÉGIMBART

*Hydrovatus ferrugatus* RÉGIMBART, 1877. Bull. Ann. Soc. ent. France: 79.

*Hydrovatus elevatus* SHARP, 1882, Sci. Trans. R. Dublin Soc. 2: 328.

Specimens examined: 2 exs. Prov. Ha-Tinh, forestière Hüöng-sön, 150 m forêt trop. pluv. 14, 15. VIII. 1963, leg. T. Pócs; 1 ex. Saigon, 8. VI. 1960, leg. S. INOUÉ.

Distribution: India, Ceylon, Burma, Vietnam, Java, Celebes, Lombok, Macassar, New Guinea.

## 7. *Hydrovatus pumilus* SHARP

*Hydrovatus pumilus* SHARP, 1882. Sci. Trans. R. Dublin Soc. 2: 331.

Specimens examined: 4 exs. Hanôï, 40 m l'hôtel, 11. IX. — 29. X. 1963, leg. T. Pócs; 2 exs. Prov. Ha-Tinh, forestière Hüöng-sön, 150 m forêt trop. pluv. 14. VIII. 1963, leg. T. Pócs.

Distribution: India, Vietnam, Sumatra, Java, Philippines.



### 8. *Hydrovatus subtilis* SHARP

*Hydrovatus subtilis* SHARP, 1882. Sci. Trans. R. Dublin Soc. 2: 329.

Specimen examined: 1 ex. Prov. Ha-Tinh, forestière Hũong-sơn, 150 m forêt trop. pluv. 14. VIII. 1963, leg. T. Pócs.

Distribution: Thailand, Vietnam.

Note: The unique male specimen may belong to this species, though it has a different point in the median lobe of the male genitalia, narrowing abruptly near the apex. (Fig. 3).

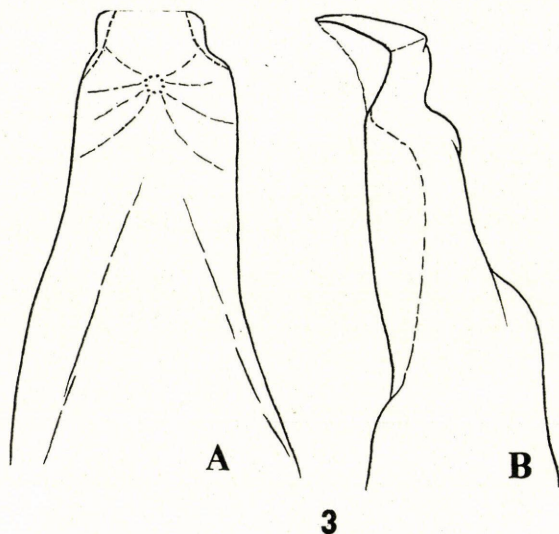


Fig. 3. Male genitalia of *Hydrovatus subtilis* SHARP: A = apical portion of median lobe, dorsal aspect, B = ditto, lateral aspect

### 9. *Guignotus annamita* (RÉGIMBART)

*Bidessus annamita* RÉGIMBART, 1889. Ann. Soc. ent. France (6) 9: 153.

Specimens examined: 17 exs. Hanói, 40 m l'hôtel, 6. VIII.-31. X. 1963, leg. T. Pócs; 2 exs. baie d'Ha-lomg, Hông-gai, 0-10 m l'hôtel, 5. IX. 1963, leg. T. Pócs; 1 ex. Prov. Ha-Tinh, forestière Hũong-sơn, 150 m forêt trop. pluv. 18. VIII. 1963, leg. T. Pócs.

Distribution: Vietnam.

### 10. *Guignotus flammulatus* (SHARP)

*Bidessus flammulatus* SHARP, 1882. Sci. Trans. R. Dublin Soc. 2: 359.

*Bidessus antennatus* RÉGIMBART, 1892. Ann. Soc. ent. Belgique 36: 118.

Specimens examined: 31 exs. Hanói, 40 m l'hôtel, 7. IV.-30. X. 1963, leg. T. Pócs; 6 exs. Prov. Nghe-An forestière Qui-châu, 200 m forêt pluv. trop. semidecid. 23-28. VIII. 1963, leg. T. Pócs; 3 exs. Lao-cai, 300 m forêt trop. second. 21. IX. 1963, leg. T. Pócs.

Distribution: India, W. Pakistan, Vietnam, China.

### 11. *Guignotus fuscipennis* (SHARP)

*Bidessus fuscipennis* SHARP, 1882. Sci. Trans. R. Dublin Soc. 2: 359.

Specimens examined: 2 exs. Prov. Nghe-An, forestière Quy-châu, 200 m forêt pluv. trop. semidecid. 24, 28. VIII. 1963, leg. T. Pócs. 2 exs. Prov. Ha-Tinh, forestière Hũong-



sôn, 150 m forêt trop. pluv. 14. VIII. 1963, leg. T. Pócs; 4 exs. Hanôï, 40 m l'hôtel, 7. VIII, 2. IX., 3. X. 1963, leg. T. Pócs.

Distribution: Thailand, Vietnam.

### 12. *Guignotus orientalis* (CLARK)

*Hydroporus orientalis* CLARK, 1863. Trans. Ent. Soc. London (3) 1: 427.

Specimens examined: 73 exs. Hanôï, 40 m l'hôtel, 7. VIII.-31. X. 1963, leg. T. Pócs; 7 exs. Prov. Ha-Tinh, forestière Hüông-sôn, 150 m forêt trop. pluv. 14.-18. VIII. 1963, leg. T. Pócs.

Distribution: India, Thailand, Vietnam, China, Sumatra, Java, Sumbawa.

### 13. *Clypeodytes bufo* (SHARP)

*Bidessus bufo* SHARP, 1890. Trans. Ent. Soc. London: 344.

Specimen examined: 1 ex. Prov. Ha-Tinh, forestière Hüông-sôn, 150 m forêt trop. pluv. 14. VIII. 1963, leg. T. Pócs.

Distribution: India, Ceylon, Burma, Vietnam.

### 14. *Clypeodytes dilutus* (SHARP)

*Bidessus dilutus* SHARP, 1882. Sci. Trans. R. Dublin Soc. 2: 364.

Specimens examined: 32 exs. Hanôï, 40 m l'hôtel, 7. VIII. -2. XI. 1963, leg. T. Pócs; 1 ex. Prov. Nghe-An, forestière Quy-châu, 200 m forêt pluv. trop. semidecid. 26. VIII. 1963, leg. T. Pócs, 1 ex. Lao-cai, 300 m forêt trop. second. 21. IX. 1963, leg. T. Pócs.

Distribution: Thailand, Vietnam.

Note: Originally described from Thailand, the species has no certain record since.

Description: Body oblong-oval, moderately convex, shining, testaceous; ventral surface slightly darker; basal and sutural portions and indistinct spots of elytra brown.

Head obsoletely microreticulate, scattered with fine punctures separated by 2 to 3 times their diameter; clypeus rounded and very slightly rebordered. Pronotum finely and sparsely punctate at large; distinctly on posterior area along margin; plicae distinct, a half pronotal length of their position and inwardly curved; integument smooth. Elytra closely and distinctly punctate, the punctures separated by 1 to 1.5 times their own diameter, with a semierect pubescence. Ventral surface coarsely punctate and pubescent. Male genitalia as on Fig. 4.

Length: 1.55-1.73 mm; breadth: 0.82-0.92 mm.

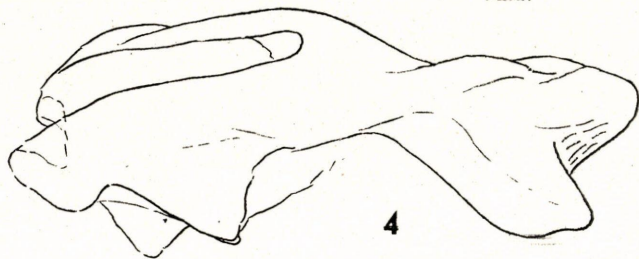


Fig. 4. Male genitalia of *Clypeodytes dilutus* (SHARP), dorso-lateral aspect of median lobe



15. *Clypeodytes perforatus* (SHARP)

*Bidessus perforatus* SHARP, 1882. Sci. Trans. R. Dublin Soc. 2: 363.

Specimen examined: 1 ex. Prov. Nghe-An, forestière Quy-châu, 200 m forêt trop. pluv. semidecidue, 23. VIII. 1963, leg. T. Pócs.

Distribution: Vietnam, China.

16. *Hyphoporus* sp.

Specimen examined: 1 ex. Prov. Ha-Tinh, forestière Hüông-sôn, 150 m forêt trop. pluv. 19. VIII. 1963, leg. T. Pócs.

Distribution: Vietnam.

17. *Laccophilus ellipticus* RÉGIMBART

*Laccophilus ellipticus* RÉGIMBART, 1889. Ann. Soc. ent. France (6) 9: 152.

Specimens examined: 2 exs. Hanôï, 40 m l'hôtel, 7, 8. VIII. 1963, leg. T. Pócs; 1 ex. Prov. Ha-Tinh, forestière Hüông-sôn, 150 m forêt trop. pluv. 14. VIII. 1963, leg. T. Pócs; 1 ex. Prov. Nghe-An, forestière Quy-châu, 200 m forêt trop. pluv. semidecidue, 23. VIII. 1963, leg. T. Pócs.

Distribution: India, Ceylon, Burma, Vietnam, China.

18. *Laccophilus similis* RÉGIMBART

*Laccophilus similis* (WEHNCKE) RÉGIMBART, 1889. Ann. Soc. ent. France (6) 9: 150.

Specimens examined: 4 exs. Hanôï, 40 m l'hôtel, 11. IX.-30. X. 1963, leg. T. Pócs; 1 ex. Prov. Ha-Tinh, forestière Hüông-sôn, 150 m forêt trop. pluv. 19. VIII. 1963, leg. T. Pócs; 2 exs. baie d'Halong, Hông-gai, 0-10 m l'hôtel, 5, 8. IX. 1963, leg. T. Pócs.

Distribution: Vietnam, China.

Note: The species is a relative of *L. sharpi* RÉGIMBART. Although it is treated sometimes as a variety or as a synonym of the latter, it is a distinct species with the following features.

Description: Body small and distinctly attenuated posteriorly; pronotum lacking the marking; zigzaggy marking of elytra interrupted at apical third, where the transverse band appears; median lobe of male genitalia somewhat simple (Fig. 5).

Length: 3.20-4.00 mm; breadth: 1.70-2.30 mm.

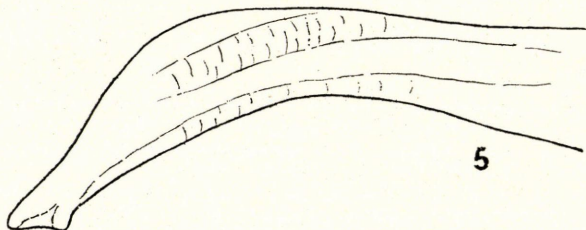


Fig. 5. Male genitalia of *Laccophilus similis* RÉGIMBART, apical portion of median lobe, lateral aspect

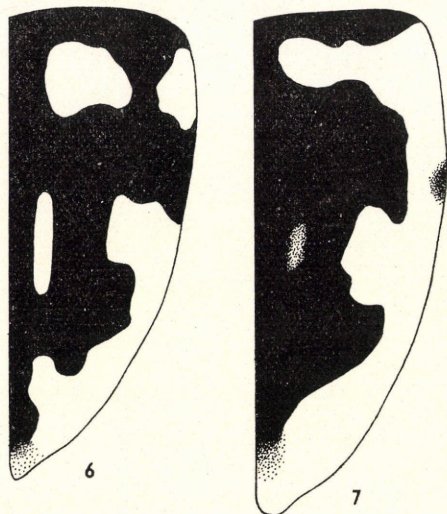


19. *Neptosternus poesi* sp. nov.

Specimens examined: Holotype ♂ and 16 paratypes, Lao-cai, 300 m forêt trop. second. 21. IX. 1963, leg. T. Pócs (in coll. Hungarian Natural History Museum and M. SATÔ); 14 exs. Prov. Ha-Tinh, forêtière Hüông-sôn 150 m forêt trop. pluv. 14, 15. VIII. 1963, leg. T. Pócs; 4 exs. Prov. Nghe-An, forêtière Quy-châu, 200 m forêt pluv. trop. semidecid. 25-28. VIII. 1963, leg. T. Pócs.

Distribution: Vietnam.

Note: The new species closely resembles *N. sumatrensis* RÉGIMBART, but can be distinguished from the latter by having the sutural elongate marking distinct and the basal marking larger in size.



Figs. 6-7. Right elytron: 6 = *Neptosternus poesi* M. SATÔ, 7 = *Neptosternus kaszabi* M. SATÔ

Description: Elytra black with a brownish tinge (Fig. 6); head, pronotum, elytral markings, front and middle legs and antennae yellowish-brown; ventral surface and hind leg brown to dark-brown; apical half of head, anterior and posterior margins somewhat broadly dark-brown to black.

Body oval, moderately convex, shining, closely microreticulate above, finely, closely and reticulately punctate beneath. Head obsoletely punctate on anterior half. Pronotum minutely punctate, punctures mainly scattered along anterior margin. Elytra provided with three longitudinal rows of punctures, outer two rows obsolete and with a series of hairy punctures on apical half of lateral sides. Metasternum finely punctate; metacoxae reticulately punctate; abdomen microreticulate.

Male genitalia: median lobe bent at a little behind middle, basal portion stout, apical portion ampliate, with a blunt apex; each paramere provided with two long setae at tip (Fig. 8).

Length: 2.73-2.82 mm; breadth: 1.45-1.64 mm.



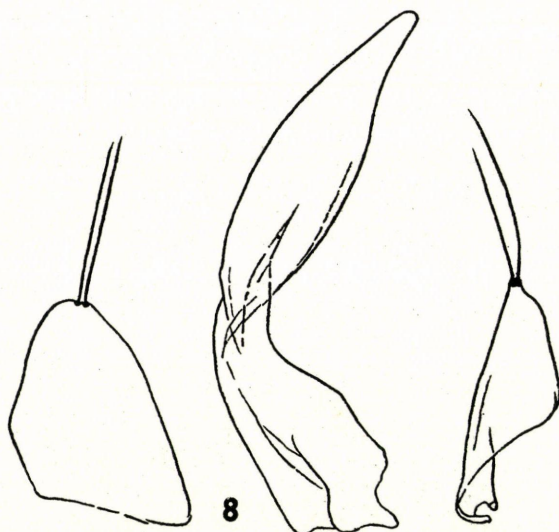


Fig. 8. Male genitalia of *Neptosternus pocsi* M. SATÔ

#### 20. *Neptosternus kaszabi* sp. nov.

Specimen examined: 1 ex. (Holotype ♂), Prov. Ha-Tinh, forestière Hüông-sôn, 150 m forêt trop. pluv. 15. VIII. 1963, leg. T. PÓCS (in coll. of Hungarian Natural History Museum).

Distribution: Vietnam.

Note: The general appearance of the species closely resembles that of the preceding species, but the former differs from the latter by having the features given below. Also allied to *N. corporeali* ZIMMERMANN, but differing from it in the well-developed markings of the elytra as figured (Fig. 7).

Description: Body less convex and slightly longer than in *pocsi*. Dorsal surface yellowish-brown, except for base; most of central area and a small spot of lateral side of elytra brownish-black. Ventral surface and its appendages brown, except for the hind leg, prosternal process and central area of abdomen being somewhat darkened.

Length: 2.91 mm; breadth: 1.54 mm.

#### 21. *Copelatus tenebrosus* RÉGIMBART

*Copelatus tenebrosus* RÉGIMBART, 1880. Not. Leyden Mus. 2: 210.

*Copelatus pusillus* SHARP, 1882. Sci. Trans. R. Dublin Soc. 2: 580.

Specimens examined: 15 exs. Hanôï, 40 m l'hôtel, 2. IX.-30. X. 1963, leg. T. PÓCS; 2 exs. Prov. Ha-Tinh, forestière Hüông-sôn, 150 m forêt trop. pluv. 18. VIII. 1963, leg. T. PÓCS; 1 ex. Prov. de Biên Hoà, Trang Bôm (alt. 60 m), 16. X. 1962, leg. S. INOUÉ; 1 ex. Saigon, 6. V. 1960, leg. S. INOUÉ.

Distribution: Burma, Thailand, Laos, Vietnam, Sumatra, Java, Sumbawa.

Note: The differences between this species and *C. hisamatsui* M. SATÔ are slight. The latter species may probably be only a local race of the species. The median lobe of the male genitalia of the species is slender, regularly curved and without a process (Fig. 9).



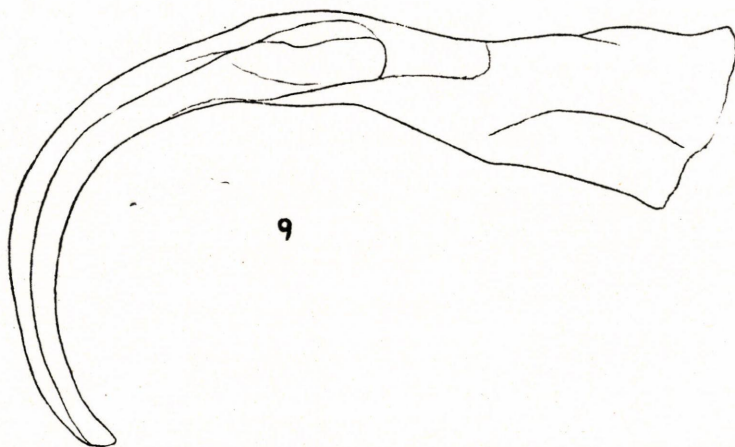


Fig. 9. Male genitalia of *Copelatus tenebrosus* RÉGIMBART, lateral aspect of median lobe

## 22. *Lacconectes fulvescens* MOTSCHULSKY

*Lacconectes fulvescens* MOTSCHULSKY, 1855, Étud. Ent. 4: 83.

Specimens examined: 2 exs. Prov. de Biên Hoà, Trang Bôm (alt. 60 m), 10. VI. 1962, leg. S. INOUÉ.

Distribution: India, Burma, Vietnam, Sumatra, Java, Borneo.

## 23. *Rhantus annamita* RÉGIMBART

*Rhantus annamita* RÉGIMBART, 1899. Ann. Soc. ent. France 68: 309.

Specimen examined: 1 ex. Hanôï, 40 m l'hôtel, 29. VIII. 1963, leg. T. Pócs.

Distribution: Vietnam.

Note: A single male specimen, agreeing well with *R. annamita* rather than with *R. chinensis* FALKENSTRÖM.

Description: Dorsal surface brown, posterior margin of head and anterior margin of pronotum narrowly darkened, elytra closely speckled with small black spots; ventral surface black, mouth appendages, antennae, front and middle legs dark-brown, hind leg brownish-black.

Head minutely but distinctly reticulate. Pronotum more distinctly reticulate than on head, provided with a series of punctures along anterior margin and with a vague impression at centre. Elytra distinctly reticulate (nearly as on pronotum), bearing four longitudinal rows of inconspicuous punctures, outer two rows more obsolete.

Metasternum and metacoxal lamina very finely reticulate, abdomen finely striolate. Claws of front leg dilated at the base, inner one distinctly shorter than outer one, outer claw of middle leg slender and slightly longer than inner one swollen in middle), claws of hind leg slender, inner one less than half length of outer one, this latter about same length of fifth tarsal joint Median lobe of male genitalia slender, slightly bent, with a sharp apex (Fig. 10).

Length: 10.82 mm; breadth: 5.73 mm.



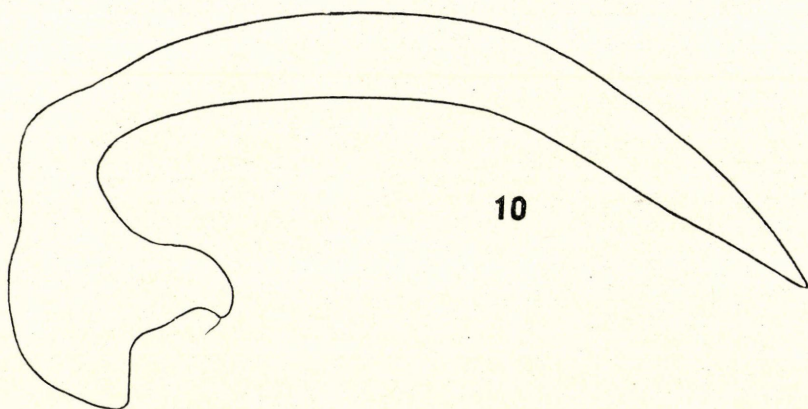


Fig. 10. Male genitalia of *Rhantus annamita* RÉGIMBART, lateral aspect of median lobe

#### 24. *Eretes sticticus* (LINNÉ)

*Dytiscus sticticus* LINNÉ, 1767. Syst. Nat. Holmiae ed. 12, 1 (2): 666.

Specimens examined: 1 ex. Prov. Ha-Tinh, forestière Hüông-sôn 150 m forêt trop. pluv. 18. VIII. 1963, leg. T. PÓCS; 1 ex. Hanôï, 40 m l'hôtel, 9. X. 1963, leg. T. PÓCS; 1 ex. Prov. de Phuoc Tuy, Cap. St. Jacques, 26. V. 1962, leg. S. INOUÉ.

Distribution: Cosmopolitan.

#### 25. *Hydaticus (Guignotites) fabricii* MACLEAY

*Hydaticus fabricii* MACLEAY, 1833. Ann. Javanica: 134.

*Hydaticus rufulus* AUBÉ, 1838. in Dejean's Spéc. Coléopt. 6: 199.

*Hydaticus [confusus]* BOHEMAN, 1858, Kongl. Svenska Frag. Eug. resa Zool. I, ins. 2: 21.

Specimens examined: 3 exs. Hanôï, 40 m l'hôtel, 7. VIII, 30. VIII, 1. X. 1963, leg. T. PÓCS; 2 exs. Saigon, 8. VIII. 1960, leg. S. INOUÉ.

Distribution: India, Nepal, Ceylon, Burma, Vietnam, Ryukyus, Japan.

#### 26. *Hydaticus (Guignotites) lenzi conjungens* RÉGIMBART

*Hydaticus vittatus*, var. *conjungens* RÉGIMBART, 1899. Ann. Soc. ent. France 68: 329, f. 55.

Specimen examined: 1 ex. Prov. de Phuoc Tuy, Cap. St. Jacques, 18. VIII. 1962, leg. S. INOUÉ.

Distribution: Vietnam, Sumatra, Java.

#### 27. *Cybister (Gschwendtnerhydrus) tripunctatus orientalis* GSCHWENDTNER

*Cybister tripunctatus orientalis* GSCHWENDTNER, 1931. Entom. Blätt. 27 (3): 99.

Specimens examined: 1 ex. Hanôï, 1. IV. 1964, leg. DOLINKA; 1 ex. Prov. de Phuoc Tuy, Cap. St. Jacques, 3. VI. 1962, leg. S. INOUÉ; 1 ex. Saigon, 10. VII. 1960, leg. S. INOUÉ; 3 exs. Cholon, 24. V. 1962, leg. S. INOUÉ.

Distribution: Central and Western Asia

#### 28. *Cybister (Meganectes) limbatus* (FABRICIUS)

*Dytiscus limbatus* FABRICIUS, 1775. Syst. Entom.: 230.

*Dytiscus aciculatus* HERBST, 1783. Arch. Insectengesch. 5: 123.



Specimens examined: 1 ex. Cholon (Phu Lam), 2. VI. 1959, leg. S. INOUÉ; 4 exs. Cholon, 24. V. 1959, 1. VI. 1962, leg. S. INOUÉ; 1 ex. Prov. de Phuoc Tuy, Cap. St. Jacques, 3. VI. 1962, leg. S. INOUÉ, 1 ex. Saigon, 15. V. 1960, leg. S. INOUÉ.

Distribution: India, Pakistan, Vietnam, China, Philippines, Formosa, Ryukyus.

29. *Cybister (Meganectes) ventralis* SHARP

*Cybister ventralis* SHARP, 1882. Sci. Trans. R. Dublin Soc. 2: 742.

*Cybister gracilis* SHARP, 1882. Sci. Trans. R. Dublin Soc. 2: 743.

*Cybister crassus* SHARP, 1882. Sci. Trans. R. Dublin Soc. 2: 743.

Specimens examined: 2 exs. Cholon, 30. V. 1960, leg. S. INOUÉ.

Distribution: India, Ceylon, Burma, Vietnam.

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