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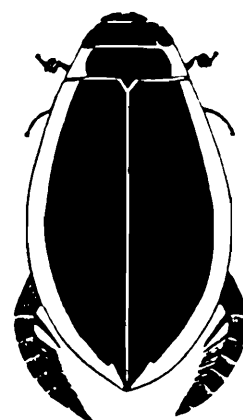
# Records of the Zoological Survey of India

**CATALOGUE  
OF  
ORIENTAL DYTISCIDAE**

By  
T.G. VAZIRANI

Issued by The Director  
Zoological Survey of India, Calcutta

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ORIENTAL DYTISCIDAE

*By*  
T. G. VAZIRANI



*Edited by the Director, Zoological Survey of India*  
1977

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## FOREWORD

During the last few years a large number of species belonging to the insect family Dytiscidae have been described from India. We have been trying to prepare catalogues of different groups of animals known from the country. A work of this kind requires a thorough knowledge and a careful scrutiny of literature published from almost every part of the world. Dr. T.G. Vazirani, who is an expert on beetles of the family Dytiscidae, has now consolidated our knowledge of this group in the form of present catalogue.

The Zoological Survey of India has a scheme of writing Fauna of India volumes. It is hoped that the present Catalogue of Oriental Dytiscidae will help not only the Fauna of India project, it will be received well by other zoologists interested in faunistic and taxonomic studies of these beetles.

**S. Khera**  
Jt. Director-in-Charge

## PREFACE

A handy Catalogue like the present one serves two purposes : it brings together and consolidates within a reasonable space the entire and upto date taxonomic and zoogeographic information about a group whose published references, usually numbering several hundred, are scattered over a wide variety of scientific journals in different languages. Secondly, it highlights lacunae in our knowledge so that by directing researches in those directions information on a group may be rendered more complete. Where the group concerned, like the present one of water beetles of family Dytiscidae, has also a close bearing on Fishery Biology, the importance of the catalogue becomes more evident.

Dr. Vazirani is particularly qualified to undertake this important and time consuming work. He has been studying the taxonomy of Oriental waterbeetles for well over fifteen years and brings to bear on the subject his wide experience and mature judgement. The Catalogue will, I am confident, be of both scientific and practical value to Coleopterologists, General Entomologists and Fishery Biologists.

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1st August 1974  
JODHPUR

## INTRODUCTION

The aquatic insects form an important constituent of aquatic biota and a valuable link in the chain of energy transfer in nature. The beetles of the family Dytiscidae inhabit all kinds of aquatic habitat in both the larval as well as adult stage and are carnivorous. In fisheries cultural practices these beetles play a triple role (i) they serve as food for carnivorous and omnivorous fishes (ii) they are highly predatory on the fish-fry upto 5 cms. in nursery ponds and (iii) they compete with fishes for the available food supply. These beetles are also reported to act as intermediate hosts of the trematode parasites of the genus *Lecithodendrium* Looss. In view of the predatory nature of these insects in the fisheries nursery ponds, their possible useful role in the control of mosquito larvae and their being intermediate host of trematode parasites; taxonomic studies on Indian species were undertaken by the author as an essential prerequisite for ecological, biological and applied studies.

Since the publication of Zimmermann's (1920) Coleopterorum catalogue vol. 4, pars 71, dealing with this family, the literature on the Oriental Dytiscidae has been very scattered. Our knowledge of the group has gone up by nearly 40% besides very large increase in the geographical distribution of individual species. This is mainly due to the efforts of the several workers such as Balfour-Browne, Guignot, Gschwendtner, Gueorguiev, Sato, Falkenstrom, Wewalka and the present author. It was therefore considered necessary to compile a Catalogue of Oriental species of the family and it is expected that this will stimulate further research on the group and many existing lacunae regarding their economic role, ecology, biology and their larval morphology will be filled. References to 371 species and 41 genera are given, type locality has been mentioned and location of the type specimens indicated wherever possible.

The following abbreviations have been used in the text :

- |               |   |   |   |   |  |
|---------------|---|---|---|---|--|
| Brit. Mus.    | - | - | - | - | —British Museum (Natural History)<br>London.                     |
| Brussels Mus. | - | - | - | - | —Institute Royal des Sciences Natu-<br>relle, Brussels, Belgium. |
| Colombo Mus.  | - | - | - | - | —National Museum Colombo, Sri<br>Lanka.                          |

Deut. Ent. Mus. Berlin	-	-	-	-	—Deutsche Entomologische Institute, Berlin, W Germany.
Frey Mus.	-	-	-	-	—Museum G. Frey, Munchen, W. Germany.
Genova Mus.	-	-	-	-	—Museo Civico Storia Naturale, Genova, Italy.
Hungarian Nat. Hist. Mus.,	-	-	-	-	—Hungarian National Museum, Budapest, Hungary
Hunter Colln. Glasgow Univ.	-	-	-	-	—Hunter collection, Glasgow University, Glasgow, England.
Kiel Mus.	-	-	-	-	—Kiel Museum, W Germany.
Leiden Mus.	-	-	-	-	—Leiden Museum, Leiden, Netherlands.
Paris Mus.	-	-	-	-	—Laboratoire, Entomologie, Museum National D' Histoire Naturelle, Paris.
Riksmus. Stockholm	-	-	-	-	—Naturhistoriska Riksmuseum, Stockholm, Sweden.
Sarawak Mus.	-	-	-	-	—Sarawak Museum, Sarawak, Indonesia.
Sato Colln.	-	-	-	-	—Sato collection, Biological Laboratory Nagoya Women's University Japan.
T.L.	-	-	-	-	—Type Locality.
Tokyo Agric. Univ.	-	-	-	-	—Tokyo Agricultural University, Tokyo, Japan.
Zool. Mus. Univ. Berlin	-	-	-	-	—Zoological Museum, University of Berlin, Berlin, W Germany.
Zimmermann Colln.	-	-	-	-	—Probably in Zoologischen Sammlung des Bayerischen Staates, Munchen, W. Germany.
Z.S.I.-	-	-	-	-	—Zoological Survey of India, Calcutta India.
Zool. Samml. Bayer St. Munchen	-	-	-	-	—Zoologischen Sammlung des Bayerischen Staates, Munchen, W. Germany.

**CATALOGUE  
OF  
ORIENTAL DYTISCIDAE**

## Family DYTISCIDAE

### Subfamily NOTERINAE

Noterinae—Regimbart, 1878, *Ann. Soc. ent. Fr.*, (5)8 : 450; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8)78 : 464.

#### Tribe I. Noterini

Noterides—Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 260, 919.

Noterini—Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 114; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8)78 : 473.

#### Genus *Noterus* Clairville

Type of genus—*Dytiscus crassicornis* Muller, *vide* Clairville, 1806.

*Noterus* Clairville, *Ent. Helv.*, 2 : 222; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 836; Guignot, *Ann. Mus. R. Congo belge*, (8)78 : 480.

#### *Noterus clavicornis* (de Geer)\*

*Dytiscus clavicornis* de Geer, 1774, *Mem. Hist. Ins.*, 4 : 402 (T.L.—not mentioned, in Stockholm Mus.)

*Noterus clavicornis* (de Geer) : Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 265; Zimmermann, 1920, *Coleopt. Cat.*, 4(71) : 7-8 in part; Gschwendtner, 1923, *Arch. Naturgesch.*, 89(7-8) : 99; Feng, 1933, *Peking nat. Hist. Bull.*, 8(2) : 84; Balfour-Browne, 1954, *Ent. mon. Mag.*, 90 : 41 (gives detailed synonymy); Gueorguiev, 1965, *Reichebachia Mus. Tier. Dresden*, 7(15) : 128; 1968, *Izv. Inst. Zool. Sof.*, 27 : 35.

*Noterus capricornis*, Vazirani, 1969, *orient. Ins.*, 2 : 225 (mis identification).

*Noterus convexiusculus* Reiche, 1855, *Ann. Soc. ent. Fr.*, (3)3 : 640 (T.L.—Beirut in Beirut Mus.); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 266 (Syria).

*Noterus clavicornis* var. *convexiusculus*; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 111, Guignot, 1954, *Opusc. ent.*, Lund., 19 : 222 (Kashmir).

*Distribution*—India Kashmir; Europe; China (South); Lebanon.

#### Tribe II. Notomicrini

Notomicrini—Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 112; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8)78 : 466.

\*There is a great confusion in the nomenclature of *N. clavicornis* (de Geer) and *N. capricornis* Herbst as pointed out by Balfour-Browne 1954. Our specimens from India may prove to be a new species but the 'Type' of *convexiusculus* Reiche is not available for study; attempts to obtain it have not proved successful.

Genus *Notomicrus* Sharp

Type of genus—*N. brevicornis* Sharp (vide Guignot, 1946 : 115).

*Notomicrus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 260, 833; Zimmermann, 1919, *Arch. Naturgesch.*, **83A**(12) 111.

*Notomicrus tenellus* (Clark)

*Hydrocoptus tenellus* Clark, 1863, *Trans. ent. Soc. Lond.*, 1863 427 (T.L.—Java).

*Notomicrus tenellus* Sharp; *Sci. Trans. R. Dublin Soc.*, **2** : 812; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** 242; Zimmermann, 1927, *Ark. zool.*, **19A** (13) 2 (Sumatra); Balfour-Browne, 1939, *Ann. Mag. nat. Hist.*, (11)3: 97.

*Hydroporus politus* MacLeay, 1871, *Trans. ent. Soc. N.S. Wales*, **2** 124 (T.L.—Queensland).

*Notomicrus laevigatus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 260 (T.L. Rockhampton, in Brit. Mus.).

*Notomicrus suturalis* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** 261 (T.L. Rockhampton, in Brit. Mus.).

*Notomicrus punctulatus* Fauvel, 1903, *Rev. Ent.*, **12** 244 (T.L. New Caledonia).

*Distribution*—Indonesia Java, Sumatra, Malaysia, Philippines; Australia; New Guinea, Samoals., New Caledonia.

## Tribe III. Hydrocanthini

Hydrocanthini—Sharp, *Sci. Trans. R. Dublin Soc.*, **2** 268, 920; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8)78 483.

Genus *Hydrocoptus* Motschulsky

Type of genus—*Hydrocoptus subvittulus* Motschulsky, (vide Guignot, 1946, *Rev. fr. Ent.*, **13** : 115).

*Hydrocoptus* Motschulsky, 1859, *Etude Entomologiques*, **8** 43, 364; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** 261, 834; Zimmermann, 1919, *Arch. Naturgesch.*, **83A**(12) 112, Guignot, 1959, *Ann. Mus. R. Congo belge*, (8)78 466.

*Hydrocoptus* (*Neohydrocoptus*) Sato

Type of genus—*Hydrocoptus bivittis* Motschulsky by original designation.

*Hydrocoptus* (*Neohydrocoptus*) Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.* **64** 143.

*Hydrocoptus* (*Neohydrocoptus*) *bivittis* Motschulsky

*Hydrocoptus bivittis* Motschulsky, 1859, *Etude Entomologiques*, **8** : 44 (T.L.

Burma); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** 261, 834.

1899, *Ann. Soc. ent. Fr.*, **68** : 245; Zimmermann, 1919, *Arch. Naturgesch.*, **83A(12)** : 112, 1920, *Coleopt. Cat.*, **4(71)** : 4; Feng, 1933, *Peking nat. Hist. Bull.*, **8** : 83.

*Hydrocoptus bivittis* var. *mysorensis* Guignot, 1954, *Rev. fr. Ent.*, **21** : 198. (T.L.—Mysore).

*Hydrocoptus (Neohydrocoptus) bivittis*; Sato, 1972, *Ann. hist. nat. Mus. natn. Hung.*, **64** : 143.

*Distribution*—India : Karnataka, Burma; China; Malaysia : Singapore; Vietnam.

#### ***Hydrocoptus (s.str.) bosschae* Regimbart**

*Hydrocoptus bosschae* Regimbart, 1892, *Notes Leyden Mus.*, **14** : 11 (T.L.—Borneo : Sambas); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 4; Zimmermann, 1919, *Arch. Naturgesch.*, **83A(12)** : 112; 1920, *Coleopt. Cat.*, **4(71)** : 4; Fernando, 1963, *Bull. Fish. Res. Stn. Ceylon*, **16(1)** : 25; 1964, *Bull. natn. Mus. Singapore*, no. 32 : 1.

*Distribution*—Indonesia Borneo, Sumatra; Malaysia.

#### ***Hydrocoptus (s.str.) distinctus* Wehncke**

*Hydrocoptus distinctus* Wehncke, 1883, *Dtsch. ent. Z.*, **27** : 145 (T.L.—Indonesia : Java, Sumatra); Regimbart, 1894, *Ann. Soc. ent. Fr.*, **63** : 340; 1899, *Ann. Soc. ent. Fr.*, **68** : 243; Zimmermann, 1920, *Coleopt. Cat.*, **4(71)** : 4.

*Hydrocoptus rubescens* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 262 (name preoccupied vide Clark, 1863) (T.L.—Siam & Java).

*Distribution*—Indonesia : Java, Sumatra; Thailand; Vietnam.

#### ***Hydrocoptus (s.str.) frontalis* Regimbart**

*Hydrocoptus frontalis* Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 246 (T.L.—‘Cochinchina’); Zimmermann, 1920, *Coleopt. Cat.*, **4(71)** : 4.

*Distribution*—Vietnam.

#### ***Hydrocoptus (s.str.) opatrinus* Regimbart**

*Hydrocoptus opatrinus* Regimbart, 1892, *Notes Leyden Mus.*, **14** : 11 (T.L.—Borneo : Sambas); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 244; Zimmermann, 1920, *Coleopt. Cat.*, **4(71)** : 4.

*Distribution*—Indonesia : Borneo.

#### ***Hydrocoptus (s.str.) rufulus* Motschulsky**

*Hydrocoptus scapularis* Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 244 (T.L.—‘Causip’, Philippines); Zimmermann, 1919, *Arch. Naturgesch.*, **83A(12)** : 111; 1920, *Coleopt. Cat.*, **4(71)** : 4.

*Distribution*—Philippines : Manila.

**Hydrocoptus (s.str.) sharpi** Wehncke

*Hydrocoptus sharpi* Wehncke, 1883, *Dtsch. ent. Z.*, **27** : 146 (T.L.—Borneo); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 245, Zimmermann, 1920, *Coleopt. Cat.*, **4(71)** : 4; 1927, *Ark. zool.*, **19A** (13) : 2.

*Distribution*—Indonesia : Borneo, Sumatra.

**Hydrocoptus (s.str.) subvittulus** Motschulsky

*Hydrocoptus subvittulus* Motschulsky, 1859, *Etude Entomologiques*, **8** : 43 (T.L.—Ceylon Colombo); Wehncke, 1883, *Dtsch. ent. Z.*, **27** : 148; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 243, Zimmermann, 1919, *Arch. Naturgesch.*, **83A** (12) : 111, 1920, *Coleopt. Cat.*, **4(71)** : 11, Feng, 1933, *Peking nat. Hist. Bull.*, **8** : 83; Fernando, 1961, *Bull. Fish. Res. Stn. Ceylon*, **16** : 25, Vazirani, 1967, *Orient. Ins.*, **1** : 99; 1969, *Orient. Ins.*, **2** : 223; 1973, *Rec. zool. Surv. India*, **67** : 291, 1973, *Proc. zool. Soc. Calcutta*, **25** : 117; Tonapi & Ozarkar, 1970, *J. Bombay nat. Hist. Soc.*, **66** : 310-316, (wrong identification).

*Hydrocoptus vittatus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 262 (T.L.—Northern India).

*Hydrocoptus subvittulus* var. *vittatus*; Zimmermann, 1919, *Arch. Naturgesch.*, **83A(12)** : 111.

*Methles sternalis* Seidlitz, 1887, *Verh. naturf. Ver. Brunn*, **25** : 78, 4 : 131.

*Hydrocoptus (s.str.) subvittulus*; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, **64** : 144.

*Distribution*—India Bihar, Orissa, W Bengal, Maharashtra, Tamil Nadu, Gujarat, Assam, Sri Lanka, China.

**Genus Hydrocanthus** Say

Type of genus—*Hydrocanthus iricolor* Say (by original designation).

*Hydrocanthus* Say, 1825, *Trans. Amer. phil. Soc.*, **2** : 105, Sharp, *Sci. Trans. R. Dublin Soc.*, **2** : 279, 839, Guignot, 1959, *Ann. Mus. R. Congo belge*, (8) **78** : 507

**Hydrocanthus indicus** Wehncke

*Hydrocanthus indicus* Wehncke, 1876, *Dtsch. ent. Z.*, **20** : 223, (T.L.—‘Cochinchina’); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 279; Regimbart, 1889, *Notes Leyden Mus.*, **11** : 51, 1899, *Ann. Soc. ent. Fr.*, **68** : 252, Zimmermann, 1919, *Arch. Naturgesch.*, **83A** (12) : 118; 1920, *Coleopt. Cat.*, **4(71)** : 15; 1927, *Ark. zool.*, **19A(13)** : 4; Fernando, 1964, *Bull. natn. Mus. Singapore*, no. 32 : 1, Sato, 1972, *Ann. hist-nat. Mus Hung* **64** : 144

*Distribution*—Burma; Thailand; Vietnam, Cambodia; Indonesia : Sumatra, Java, Borneo; Malaysia.

### Genus *Canthydrus* Sharp

Type of genus—*Hydrocanthus guttula* Aube, (*vide* Guignot, 1946, *Rev. fr. Ent.*, 13 : 116).

*Canthydrus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 269, 838; Guignot, *Ann. Mus. R. Congo belge*, (8) 78 : 484.

*Suphis* Crotch, 1873, *Trans. Amer. Soc.*, 4 : 396.

*Hydrocanthus* Regimbart, 1878, *Ann. Soc. ent. Fr.*, (5) 8 : 455, 464 (in part).

### *Canthydrus angularis* Sharp

*Canthydrus angularis* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 277 (T.L.—Singapore); Regimbart, 1894, *Ann. Soc. ent. Fr.*, 63 : 343; Zimmermann, 1928, *Ark. Zool.*, 19A(13) 3; Csiki, 1938, *Arch. Hydrobiol.*, 15 : 124.

*Canthydrus morsbachi* var. *angularis*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 247; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 117; 1920, *Coleopt. Cat.*, 4 12.

*Distribution*—Indonesia : Sumatra; Malaysia.

### *Canthydrus bifasciatus* Regimbart

*Canthydrus bifasciatus* Regimbart, 1889, *Ann. Soc. ent. Fr.*, (6) 9 148 (T.L.—‘Indochina’); Zimmermann, 1920, *Coleopt. Cat.*, 4(71) : 10.

*Canthydrus nitidulus* ab. *bifasciatus*; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) 117.

*Distribution*—Vietnam Saigon.

### *Canthydrus flammulatus* Sharp

*Canthydrus flammulatus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 278 (T.L.—‘Siam’ Bangkok; Celebes); Regimbart, 1895, *Ann. Soc. ent. Fr.*, 64 343, 1899, *Ann. Soc. ent. Fr.*, 68 250; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) 118; 1920, *Coleopt. Cat.*, 4(71) : 10; Csiki, 1938, *Arch. Hydrobiol.*, 15 125.

*Distribution*—Thailand; Burma, Indonesia Sumatra, Celebes.

### *Canthydrus flavus* (Motschulsky)

*Hydrocanthus flavus* Motschulsky, 1855, *Etudes Entomologiques*, 4 83 (T.L.—‘East India’).

*Canthydrus flavus*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 279 (in part); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 252; Zimmermann, 1920, *Coleopt. Cat.*, 4(71) : 10; Feng, 1933, *Peking nat. Hist. Bull.*, 8(2) : 86;

Guignot, 1954, *Ark. zool.*, (N.S.) 6 : 563; Chujo & Sato, 1961, *Nature & life in South East Asia*, 1 : 303; Vazirani, 1969, *Orient. Ins.*, 2 : 227; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, 64 : 144.

*Distribution*—India : Manipur; Thailand; Vietnam; Indonesia : Java, Sumatra; China; Formosa.

#### **Canthydrus haagi (Wehncke)**

*Hydrocanthus haagi* Wehncke, 1876, *Berl. ent. Z.*, 20 : 222 (T.L.—‘Siam’ : Bangkok).

*Canthydrus haagi*; Wehncke, Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 278; Regimbart, 1895, *Ann. Soc. ent. Fr.*, 64 : 343; 1899, *Ann. Soc. ent. Fr.*, 68 : 251, Meinert, 1901, *Mem. Acad. Sci. Danemark*, (6)9 : 414 (Biologia); Zimmermann, 1920, *Coleopt. Cat.*, 4(71) : 11.

*Distribution*—Thailand; Indonesia : Sumatra, Celebes.

#### **Canthydrus laetabilis (Walker)**

*Hydroporus laetabilis* Walker, 1858, *Ann. Mag. nat. Hist.*, (3)2 : 205; (T.L.—‘Ceylon’).

*Canthydrus laetabilis*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 277; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 250; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 118; 1920, *Coleopt. Cat.*, 4 : 11; Guignot, 1948, *Bull. Soc. ent. Fr.*, 52 : 9; 1954, *Ark. zool.*, (N.S.) 6 : 563; 1954, *Opusc. ent.*, Lund., 19 : 222; Vazirani, 1953, *Rec. Indian Mus.*, 50 : 423; 1967, *Orient. Ins.*, 1 : 100; 1969, *Orient. Ins.*, 2 : 229; 1973, *Rec. zool. Surv. India*, 67 : 291; 1969, *Spolia zeylan.*, 31(2) : 399; 1970, *Rec. zool. Surv. India*, 62 : 32; Fernando, 1963, *Bull. Fish. Res. Stn. Ceylon*, 16 : 25.

*Hydrocanthus orientalis* Wehncke, 1883, *Dtsch. ent. Z.*, 20 : 222 (T.L.—Madras : Tranquebar).

*Canthydrus amicus* Guignot, 1948, *Bull. Soc. ent. Fr.*, 52 : 9 (T.L.—Belgian Congo).

*Distribution*—India : Andhra Pradesh, Assam, Bihar, Kerala, Maharashtra, Gujarat, Orissa, Punjab, Rajasthan, Uttar Pradesh, West Bengal; Sri Lanka; Nepal, Pakistan, Burma; Congo.

#### **Canthydrus luctuosus (Aube)**

*Hydrocanthus luctuosus* Aube, 1838, in Dejean's *Species Coleopteres*, 6 : 408 (T.L.—Bombay).

*Canthydrus luctuosus*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 276; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 248; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 11, Vazirani, 1953, *Rec. Indian Mus.*, 50 : 424; 1967, *Orient. Ins.*, 1 : 100; 1969, *Orient. Ins.*, 2 : 231, 1969, *Spolia zeylan.*, 31(2) : 401; 1973,

*Proc. zool. Soc. Calcutta*, **25** : 117; Sato, 1972, *Ent. Rev. Japan*, **24** : 50.

*Canthydrus ornatus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 275 (T.L.—‘Persia’).

*Canthydrus frontalis* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 276 (T.L.—‘Arabia’; Bombay).

*Canthydrus sexpunctatus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 276 (T.L.—Madras : Tranquebar).

*Distribution*—India : Andhra Pradesh, Bihar, Kerala, Maharashtra, Tamil Nadu, Goa, Mysore, Orissa, W Bengal, Sri Lanka; Iran.

#### *Canthydrus morsbachi* (Wehncke)

*Hydrocanthus morsbachi* Wehncke, 1876, *Dtsch. ent. Z.*, **20** : 222 (T.L.—‘Cochinchina’).

*Canthydrus morsbachi* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 276; Regimbart, 1889, *Ann. Soc. ent. Fr.*, (6)**9** : 148; 1899, *Ann. Soc. ent. Fr.*, **68** : 247; Zimmermann, 1920, *Coleopt. Cat.*, **4**(71) : 12; 1928, *Ark. zool.*, **19A**(13) : 2, Vazirani, 1967, *Orient. Ins.*, **1** : 100; 1969, *Orient. Ins.*, **2** : 232; 1971, *Orient. Ins.*, **4** : 442, 1973, *Proc. zool. Soc. Calcutta*, **25** : 118.

*Canthydrus scapharius* Guignot, 1948, *Bull. Soc. ent. Fr.*, **52** : 9 (T.L.—‘Belgian Congo’—Paris Mus.).

*Distribution*—India : Kerala, Tamil Nadu, Maharashtra, Orissa, Goa; Burma, Vietnam, Cambodia, Singapore; Indonesia : Sumatra; Congo.

#### *Canthydrus nitidulus* Sharp

*Canthydrus nitidulus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 278 (T.L.—Northern China); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 249; Zimmermann, 1920, *Coleopt. Cat.*, **4**(71) : 12, Feng, 1933, *Peking nat. Hist. Bull.*, **8** : 86; Kamiya, 1938, *Tokyo Nogyo Daigaku*, **5** : 4; Chujo & Sato, 1961, *Nature and Life in South-East Asia*, **1**(3) : 303, Sato & Miyatake, 1964, *Second Rep. Kyushu Univ. Expd. to Yaeyama Group, Ryukus* : 136; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, **64** : 144.

*Distribution*—China, Japan, Formosa, Cambodia, Vietnam.

#### *Canthydrus proximus* Sharp

*Canthydrus proximus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 278 (T.L.—Bangkok); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 250; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 13; Feng, 1933, *Peking nat. Hist. Bull.*, **8**(2) : 87.

*Distribution*—Thailand, Vietnam : Annam, China.

**Canthydrus pseudomorsbachi Vazirani**

*Canthydrus pseudomorsbachi* Vazirani, 1969, *Spolia zeylan.*, **31** : 399 (T.L.—  
'Ceylon' : Battamulla—Colombo Mus.).

*Distribution*—Sri Lanka

**Canthydrus ritsemai Regimbart**

*Hydrocanthus ritsemai* Regimbart, 1880, *Notes Leyden Mus.*, **2** : 213 (T.L.—  
Sumatra : Loeboekh Gadang—Paris Mus.).

*Canthydrus ritsemai*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 252; Zimmermann, 1919, *Arch. Naturgesch.*, **83A(12)** : 118; 1920, *Coleopt. Cat.*, **4** : 13; Csiki, 1938, *Arch. Hydrobiol.*, (Suppl.), **15** : 125; Guignot, 1954, *Ark. zool.*, (N.S.) **6** : 563; Fernando, 1963, *Bull. Fish. Res. Stn. Ceylon*, **16(1)** : 25; 1963, *Bull. natn. Mus. Singapore*, no. 32 : 1; Vazirani, 1969, *Orient. Ins.*, **2** : 226.

*Canthydrus javanus* Wehncke, 1883, *Dtsch. ent. Z.*, **27** : 145.

*Canthydrus flavus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 279 (in part)  
(China, Siam, Bangkok).

*Distribution*—India : Andhra Pradesh, Assam, Bihar, Orissa, W. Bengal; Thailand, Burma; Vietnam; Indonesia : Sumatra, Java, Malaysia, Singapore.

**Canthydrus semperi (Wehncke)**

*Hydrocanthus semperi* Wehncke, 1876, *Dtsch. ent. Z.*, **20** : 223 (T.L.—  
Philippines).

*Canthydrus semperi*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 275; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 247; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 13.

*Distribution*—Philippines.

**Canthydrus weisei (Wehncke)**

*Hydrocanthus weisei* Wehncke, 1876, *Dtsch. ent. Z.*, **20** : 222; (T.L.—  
'Cochinchina'—in Oberthür Colln.).

*Canthydrus weisei*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 277; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 251; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 14; Vazirani, 1971, *Orient. Ins.*, **4** : 442.

*Distribution*—Vietnam; India : Goa, Mahe, Malabar.

Subfamily **LACCOPHILINAE**

Laccophilini—Leconte et Horn, 1883, *Classification Coleoptera North America* : 63; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 286, 923.

Laccophilidae (subfamily)—Regimbart, 1895, *Mem. Soc. ent. Belg.*, **4** : 4.

**Laccophilinae**—Guignot, 1959, *Ann. Mus. R. Congo belge*, (8)78 : 528.

**Genus *Laccophilus* Leach**

Type of genus—*Dytiscus minutus* Linn. (by original designation).

*Laccophilus* Leach, 1817, *Zool. Misc.*, 3 : 69; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 287, 841; Zimmermann, 1930, *Koleopt. Rdsch.*, 16 : 45; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8) 78 : 530.

***Laccophilus anticatus* Sharp**

*Laccophilus anticatus* Sharp, 1890, *Trans. ent. Soc. Lond.*, 1890 : 341 (T.L.—Ceylon : Colombo), Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 262; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 16; Vazirani, 1969, *Orient. Ins.*, 2 : 240; 1969, *Spolia zeylan.*, 31 : 401; Tonapi & Ozarkar, 1969, *J. Bombay nat. Hist. Soc.*, 66 : 314.

*Distribution*—India : Assam, Manipur, Bihar, Orissa, W. Bengal, Uttar Pradesh, Maharashtra, Bangla Desh; Sri Lanka; Indonesia : Sumatra.

***Laccophilus assimilis* Regimbart**

*Laccophilus assimilis* Regimbart, 1883, *Notes Leyden Mus.*, 5 : 226 (T.L.—Sumatra : Beukeelen, Java : Weltevrenden); 1899, *Ann. Soc. ent. Fr.*, 68 : 259; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 17.

*Distribution*—Indonesia : Sumatra, Java.

***Laccophilus aurofasciatus* Vazirani**

*Laccophilus aurofasciatus* Vazirani, 1973, *Proc. zool. Soc. Calcutta*, 25 : 118 (T.L.—Tamil Nadu Ootacamund—Z.S.I.).

*Distribution*—India : Tamil Nadu.

***Laccophilus auropictus* Regimbart**

*Laccophilus auropictus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 253 (T.L.—‘Madras’ : Kodaikanal—Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 17; Guignot, 1954, *Ark. zool.*, (N.S.), 6 : 566; Vazirani, 1969, *Orient. Ins.*, 2 : 242, 1973, *Proc. zool. Soc. Calcutta*, 25 : 120.

*Distribution*—India : Tamil Nadu, Burma.

***Laccophilus baeri* Regimbart**

*Laccophilus baeri* Regimbart, 1877, *Bull. Soc. ent. Fr.*, 1877 : 128 (T.L.—Philippines Manila); 1899, *Ann. Soc. ent. Fr.*, 68 : 264; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 819; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 17.

*Distribution*—Philippines.

**Laccophilus basalis** Motschulsky

*Laccophilus basalis* Motschulsky, 1859, *Etudes Entomologiques*, **8** : 45 (T.L.—Ceylon : Colombo); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 314; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 261; Zimmermann, 1919, *Arch. Naturgesch.*, **83A(12)** : 123; 1920, *Coleopt. Cat.*, **4** : 17; 1927, *Ark. zool.*, **19A(13)** : 4; Vazirani, 1969, *Orient. Ins.*, **2** : 242; 1969, *Spolia zeylan.*, **32** : 401; 1970, *Orient. Ins.*, **4** : 178; 1973, *Rec. zool. Surv. India*, **67** : 82.  
*Distribution*—India : W. Bengal, Andaman Islands; Sri Lanka; Indonesia : Sumatra.

**Laccophilus birmanicus** Regimbart

*Laccophilus birmanicus* Regimbart, 1891, *Ann. Mus. Genova*, (2) **10** : 538 (T.L.—Burma : Mt. Carin); 1899, *Ann. Soc. ent. Fr.*, **68** : 264; Zimmermann, 1919, *Arch. Naturgesch.*, **83A(12)** : 123; 1920, *Coleopt. Cat.*, **4** : 17.  
*Distribution*—Burma.

**Laccophilus ceylonicus** Zimmermann

*Laccophilus horni* Regimbart, 1902, *Ann. Soc. ent. Fr.*, **7** : 468 (T.L.—Ceylon—Paris Mus.) (name preoccupied by *L. horni* Branden, 1885).  
*Laccophilus ceylonicus* Zimmermann, 1919, *Arch. Naturgesch.*, **83A(12)** : 123; 1920, *Coleopt. Cat.*, **4** : 17; Fernando, 1963, *Bull. Fish. Res. Stn. Ceylon*, **16** : 25; Vazirani, 1973, *Proc. zool. Soc. Calcutta*, **25** : 119 (Designated Lectotype).  
*Distribution*—Sri Lanka, Burma.

**Laccophilus chinensis inefficiens** Walker

*Laccophilus chinensis* Boheman, 1858, *K. Sv. Fregatten Eugenes Resa, Zoologi*, 1. *Insect*, **2** : 21 (T.L.—China).  
*Laccophilus inefficiens* Walker, 1859, *Ann. Mag. nat. Hist.*, (3) **3** : 51 (T.L.—Ceylon).  
*Laccophilus chinensis* var. *inefficiens*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 260; Zimmermann, 1919, *Arch. Naturgesch.*, **83A(12)** : 123; 1920, *Coleopt. Cat.*, **4** : 17.  
*Laccophilus chinensis inefficiens*; Guignot, 1954, *Ark. zool.*, (N.S.) **6** : 565; Fernando, 1961, *Ceylon J. Sci.*, (*Bio. Sci.*) **4(1)** : 46; 1963, *Bull. Fish. Res. Stn. Ceylon*, **16** : 25; Vazirani, 1969, *Orient. Ins.*, **2** : 243-245; 1969, *Spolia zeylan.*, **31** : 401; 1970, *Rec. zool. Surv. India*, **62** : 33; 1973, *Rec. zool. Surv. India*, **67** : 291; 1971, *Orient. Ins.*, **4** : 443; 1973, *Proc. zool. Soc. Calcutta*, **25** : 118; Tonapi & Ozarkar, 1969, *J. Bombay nat. Hist. Soc.*, **66** : 314.

*Distribution*—India : Assam, Bihar, Madhya Pradesh, Maharashtra, Orissa, Panjab, Rajasthan, Gujarat, Uttar Pradesh, W Bengal, Himachal Pradesh, Goa, Burma; Sri Lanka; Pakistan, Malaysia; Nepal.

#### **Laccophilus dispersus** Sharp

*Laccophilus dispersus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 312 (T.L.—Bangkok—Brit. Mus.); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 259; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 18; Vazirani, 1971, *Orient. Ins.*, 4 : 443.

*Distribution*—India : Goa, Kerala, Pondicherry; Thailand.

#### **Laccophilus elegans** Sharp

*Laccophilus elegans* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 302 (T.L.—Andaman Island); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 266; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 18; Gschwendtner, 1936, *Rec. Indian Mus.*, 37 : 374; Vazirani, 1969, *Orient. Ins.*, 2 : 241.

*Distribution*—India : Andaman Islands, Andhra Pradesh, Nagaland, Orissa, W Bengal; Vietnam.

#### **Laccophilus ellipticus** Regimbart

*Laccophilus ellipticus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, (6) 9 : 152 (T.L.—Annam : Thuan-an, Mytho—Paris Mus. ♂ designated as Lectotype); 1899, *Ann. Soc. ent. Fr.*, 68 : 255; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 18; Feng, 1933, *Peking nat. Hist. Bull.*, 8(2) 89, Guignot, 1954, *Ark. zool.*, (N.S.) 6 : 565; Vazirani, 1969, *Orient. Ins.*, 2 : 236; 1969, *Spolia zeylan.*, 31 : 401, 1971, *Orient. Ins.*, 4 : 442; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, 64 : 148.

*Distribution*—India : Andhra Pradesh, Assam, Bihar, Goa, Kerala, Madhya Pradesh, Orissa, W Bengal; Burma, Sri Lanka; China; Vietnam.

#### **Laccophilus flavescens** Motschulsky

*Laccophilus flavescens* Motschulsky, 1859, *Etudes Entomologiques*, 8 : 45 (T.L.—Ceylon); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 820; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 18.

*Distribution*—Sri Lanka.

#### **Laccophilus flexuosus** Aube

*Laccophilus flexuosus* Aube, 1838, in Dejean's *Species Coleopteres*, 6 : 430 (T.L.—Sumatra); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 310; Regimbart, 1889, *Ann. Soc. ent. Fr.*, (6) 9 : 151; 1899, *Ann. Soc. ent. Fr.*, 68 : 256; Severin, 1890, *Ann. Soc. ent. Belg.*, 34, Bull. (4) 12 : 188; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 123; 1920, *Coleopt. Cat.*, 4 : 18;

Guignot, 1954, *Opusc. ent.*, Lund, 19 : 222; 1959, *Bull. mens. Soc. Linn. Lyon*, 28 : 11; Fernando, 1961, *Ceylon J. Sci. (Bio. Sci.)* 4(1) : 46; Vazirani, 1967, *Orient. Ins.*, 1 : 101; 1969, *Orient. Ins.*, 2 : 245; 1970, *Rec. zool. Surv. India*, 62 : 34; 1973, *Rec. zool. Surv. India*, 67 : 292.

*Laccophilus cognatus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 316 (T.L.—Nagpur).

*Laccophilus solutus indicus* Gschwendtner, 1936, *Rec. Indian Mus.*, 37 : 367 (T.L.—Pakistan : Lahore).

*Distribution*—India : Andhra Pradesh, Bihar, Madhya Pradesh, Maharashtra, Karnataka, Orissa, Rajasthan, Gujarat, Uttar Pradesh, W Bengal, Himachal Pradesh, Tamil Nadu; Asia—from Iraq to Japan—Iran; Nepal; Sri Lanka; Pakistan; Burma; Indonesia : Sumatra, Hongkong.

#### ***Laccophilus grouvellei* Regimbart**

*Laccophilus grouvellei* Regimbart, 1895, *Ann. Soc. ent. Fr.*, 64 : 344 (T.L.—Sumatra); 1899 *Ann. Soc. ent. Fr.*, 68 : 263; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 19.

*Distribution*—Indonesia : Sumatra.

#### ***Laccophilus guttalis* Regimbart**

*Laccophilus guttalis* Regimbart, 1893, *Ann. Soc. ent. Fr.*, 62 : 100 (T.L.—Ceylon); 1899, *Ann. Soc. ent. Fr.*, 68 : 263; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 19.

*Distribution*—Sri Lanka.

#### ***Laccophilus javanicus* Regimbart**

*Laccophilus javanicus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 266 (T.L.—Java : Mt. Tengger); Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 124; 1920, *Coleopt. Cat.*, 4 : 20; Csiki, 1938, *Arch. Hydrobiol.*, 15 : 126.

*Distribution*—Indonesia : Java, Bali.

#### ***Laccophilus kempi* Gschwendtner**

*Laccophilus kempi* Gschwendtner, 1936, *Rec. Indian Mus.*, 37 : 366 (T.L.—W Bengal : Darjiling Dist. Jorpokri, nr. Sitong—Z.S.I.); Vazirani, 1969, *Orient. Ins.*, 2 : 239.

*Distribution*—India : W Bengal

#### ***Laccophilus lituratus* Sharp**

*Laccophilus lituratus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 313 (T.L.—'Siam'); Regimbart, 1889, *Ann. Soc. ent. Fr.*, (6) 9 : 154; 1899, *Ann. Soc. ent. Fr.*, 68 : 262; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 21.

*Distribution*—Thailand; Vietnam.

**Laccophilus lucasseni** Regimbart

*Laccophilus lucasseni* Regimbart, 1892, *Notes Leyden Mus.*, **15** : 106 (T.L.—Java); 1899, *Ann. Soc. ent. Fr.*, **68** : 265; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 21; Csiki, 1938, *Arch. Hydrobiol.*, **15** : 125.

*Distribution*—Indonesia : Java, Timor.

**Laccophilus medialis** Sharp

*Laccophilus medialis* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 309 (T.L.—'Siam' : Bangkok); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 265; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 21.

*Distribution*—Thailand, Vietnam.

**Laccophilus minutus** (Linnaeus)

*Dytiscus minutus* Linnaeus, 1758, *Syst. Nat.* ed. 10, **1** : 42 (T.L.—Europe—Brit. Mus.).

*Laccophilus minutus*; Stephens, 1828, *III Brit. Ent. Mand.*, **2** : 64; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 22; Gschwendtner, 1923, *Arch. Naturgesch.*, **19A**(8) : 99; Balfour-Browne, F. 1940, *British Water Beetles, London*, **1** : 180; Guignot, 1947, *Faune Fr.*, **48** : 164; 1959, *Ann. Mus. R. Congo belge*, (8) **78** : 583; Gueorguiev, 1965, *Reichenbachia Mus. Tier Dresden*, **4**(28) : 265; 1965, *Reichenbachia Mus. Tier Dresden*, **5**(11) : 115; 1965, *Ent. Abhand.*, **32** : 201; 1968, *Izv. Inst. Zool. Sof.*, **27** : 35; Vazirani, 1969, *Orient. Ins.*, **2** : 238.

*Dytiscus cimicoides* Muller, 1776, *Zool. Dan. Prodor.* : 72.

*Dytiscus gilvus* Muller, 1776, *Zool. Dan. Prodor.* : 72.

*Dytiscus varialosus* Herbst, in Fuessly, 1784, *Arch. Inst. Gesch.* : 128.

*Dytiscus virescens* Brahm, 1790, *Ins. Kal.*, **1** : 27.

*Dytiscus gibbus* Gmelin, 1790, *Syst. Nat.*, **1**, **4** : 1957.

*Dytiscus obscurus* Panzer, 1794, *Ent. Germ.*, **1** : 77

*Distribution*—Palaeartic Region; India Kashmir; Pakistan, Iran; Mongolia; U.S.S.R. : Turkestan, Siberia.

**Laccophilus parvulus** Aube

*Laccophilus parvulus* Aube in Dejean's, 1838, *Species Coleopteres*, **6** : 429 (T.L.—Sumatra); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 312; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 257, Zimmermann, 1919, *Arch. Naturgesch.*, **83A**(12) : 123; 1920, *Coleopt. Cat.*, **4** : 24; 1927, *Ark. zool.*, **19A**(13) : 4; Guignot, 1954, *Opusc. ent. Lund.*, **19** : 222; 1954, *Ark. zool.*, (N.S.) **6** : 565; Vazirani, 1967, *Orient. Ins.*, **1** : 101; 1969, *Orient. Ins.*, **2** : 247; 1969, *Spolia. zeylan.*, **31** : 407; 1970, *Orient. Ins.*, **4** : 178; 1970,

*Rec. zool. Surv. India*, 62 : 34; 1971, *Orient. Ins.*, 4 : 442; 1973, *Rec. zool. Surv. India*, 67 : 82, 292; 1973, *Proc. zool. Soc. Calcutta*, 25 : 118; Tonapi & Ozarkar, 1969, *J. Bombay nat. Hist. Soc.*, 66 : 314.

*Laccophilus undulifer* Motschulsky, 1859, *Etudes Entomologiques*, 8 : 44 (T.L.—Ceylon : Vicinity of Colombo); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 312.

*Laccophilus obtusus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 311 (T.L.—Singapore).

*Laccophilus derasus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 311 (T.L.—Thailand : Bangkok).

*Laccophilus orientalis* Aube, 1838, *Species Coleopteres*, 6 : 431.

*Laccophilus decoratus* Bohemann, 1858, *Eugenies Resa*, 20 (T.L.—Manila).

*Laccophilus proteus* Regimbart, 1877, *Ann. Soc. ent. Fr.*, (5) 7 : 358 (T.L.—Manila).

*Laccophilus parvulus* var. *orientalis*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 820; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 258; Csiki, 1938, *Arch. Hydrobiol.*, 15 : 125.

*Distribution*—India : Assam, Manipur, Andhra Pradesh, Bihar, Madhya Pradesh, Maharashtra, Goa, Orissa, Rajasthan, Gujarat, Tamil Nadu, W Bengal; Burma; Sri Lanka; Pakistan; Thailand; Malaysia; Indonesia; Vietnam.

#### ***Laccophilus mjobergi* Zimmermann**

*Laccophilus mjobergi* Zimmermann, 1927, *Ark. zool.*, 19A no. 13 : (T.L.—Sumatra : Medan).

*Distribution*—Indonesia : Sumatra.

#### ***Laccophilus planitarsis* Regimbart**

*Laccophilus planitarsis* Regimbart, 1891, *Annali. Mus. Stor. nat. Genova.*, (2) 9 : 539 (T.L.—Burma : Rangoon); 1899, *Ann. Soc. ent. Fr.*, 68 : 260; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 24.

*Distribution*—Burma.

#### ***Laccophilus pulicarius* Sharp**

*Laccophilus pulicarius* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 313 (T.L.—Thailand : Bangkok); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 263; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 25.

*Distribution*—Thailand.

#### ***Laccophilus rufulus* Regimbart**

*Laccophilus rufulus* Regimbart, 1888, *Ann. Mus. Stor. nat. Genova*, (2) 6 :

611 (T.L.—Burma : Teinzo, Rangoon—2 ♀ Paris Mus. Lectotype designated); 1899, *Ann. Soc. ent. Fr.*, **68** : 255; Zimmermann, 1919, *Arch. Naturgesch.*, **83A(12)** : 123; 1920, *Coleopt. Cat.*, **4** : 25; Feng, 1933, *Peking nat. Hist. Bull.*, **8** : 89; Guignot, 1954, *Ark. zool.*, (N.S.) **6** : 566; Fernando, 1963, *Bull. Fish. Res. Stn. Ceylon*, **16** : 25; Vazirani, 1969, *Orient. Ins.*, **2** : 235.

*Distribution*—India : Assam, Bihar, Madhya Pradesh, Manipur, Orissa, W Bengal; Sri Lanka, Burma; China.

#### **Laccophilus samosir Csiki**

*Laccophilus samosir* Csiki, 1938, *Arch. Hydrobiol.*, suppl. **15** : 125 (T.L.—Sumatra : Stautumpel).

*Distribution*—Indonesia : Sumatra.

#### **Laccophilus sharpi Regimbart**

*Laccophilus sharpi* Regimbart, 1889, *Ann. Soc. ent. Fr.*, **6(9)** : 151 (T.L.—Sumatra, Java—Paris Mus. without type label); 1899, *Ann. Soc. ent. Fr.*, **68** : 256; Zimmermann, 1919, *Arch. Naturgesch.*, **83A(12)** : 123; 1919, *Ent. Mitt.*, **8** : 75; 1920, *Coleopt. Cat.*, **4** : 26; 1927, *Ark. zool.*, **19A(13)** : 4; Gschwendtner, 1918, *Ent. Mitt.*, **8** : 75; Feng, 1933, *Peking nat. Hist. Bull.*, **8(2)** : 89; Csiki, 1938, *Arch. Hydrobiol.*, **15** : 125; Kamiya, 1938, *Tokyo Nogyo Daigaku*, **5** : 7; Guignot, 1952, *Rev. fr. Ent.*, **19** : 169; 1954, *Ark. zool.*, (N.S.) **6** : 565; 1954, *Opusc. ent.*, Lund, **19** : 222; 1959, *Bull. mens. Soc. linn. Lyon*, **28** : 11; Vazirani, 1953, *Rec. Indian Mus.*, **50** : 424; 1967, *Orient. Ins.*, **1** : 102; 1969, *Orient. Ins.*, **2** : 249; 1970, *Rec. zool. Surv. India*, **62** : 31; 1973, *Rec. zool. Surv. India*, **67** : 82, 293; 1973, *Proc. zool. Soc. Calcutta*, **25** : 118; Sato, 1961, *Akitu*, **7** : 8; Sato, & Miyatake, 1964, *Sec. Rep. Kyushu Univ. Expd. to Yaeyama Group Ryukus* : 137; Gueorguiev, 1965, *Reichenbachia Mus. Tier. Dresden*, **5(11)** : 115.

*Laccophilus flexuosus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 310 (in part).

*Laccophilus ponticus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 311 (T.L.—'Frog').

*Laccophilus clarki* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 313 (T.L.—Newguinea; Australia).

*Laccophilus sharpi* var. *clarki*; Sharp, Zimmermann, 1919, *Arch. Naturgesch.*, **83A(12)** : 123.

*Laccophilus formosanus* Takizawa, 1932, *Ins. Mats.*, **7** : 22 (Syn. by Kamiya 1938).

*Distribution*—India : Bihar, Madhya Pradesh, Maharashtra, Orissa, Rajasthan, Gujarat, Tamil Nadu, Uttar Pradesh, Andaman Islands; Pakistan; Burma; Nepal; Sri Lanka; Iraq; China; Japan.

**Laccophilus siamensis** Sharp

*Laccophilus siamensis* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 306 (T.L.—Thailand : Bangkok); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 264; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 26.

*Distribution*—Thailand; ? India.

**Laccophilus similis** Regimbart

*Laccophilus similis* Regimbart, 1889, *Ann. Soc. ent. Fr.*, (6) 9 : 152 (T.L.—Annam—Paris Mus.); Feng, 1933, *Peking nat. Hist. Bull.*, 8 : 90; Sato, 1972, *Ann. Hist. nat. Mus. natn. Hung.*, 64 : 148.

*Laccophilus sharpi* var. *similis*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 257; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 26.

*Distribution*—Vietnam; China.

**Laccophilus sindensis** Vazirani

*Laccophilus sindensis* Vazirani, 1969, *Orient. Ins.*, 2 : 247 (T.L.—Pakistan : Sind : Manchhar Lake, Shah Hasan—Z.S.I.).

*Distribution*—Pakistan.

**Laccophilus translucidus** Regimbart

*Laccophilus translucidus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 255; (nom. nov.); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 26.

*Laccophilus pellucidus* Regimbart, 1888, *Annali. Mus. Stor. nat. Genova*, (2) 6 : 610 (T.L.—Burma) (Name preoccupied by Sharp, 1882 : 304).

*Distribution*—Burma.

**Laccophilus transversalis** Regimbart

*Laccophilus transversalis* Regimbart, 1877, *Bull. Soc. ent. Fr.*, 1877 : 129 (T.L.—Philippines : Manila); 1877, *Ann. Soc. ent. Fr.*, (5) 7 : 357; 1899, *Ann. Soc. ent. Fr.*, 68 : 261; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 822.

*Distribution*—Philippines.

**Laccophilus transversus** Motschulsky

*Laccophilus transversus* Motschulsky, 1854, *Etudes Entomologiques*, 4 : 45 (T.L.—Burma); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 822; Zimmermann, 1920, *Coleopt. Cat.* 4 : 27.

*Distribution*—Burma.

**Laccophilus uniformis** Motschulsky

*Laccophilus uniformis* Motschulsky, 1859, *Etudes Entomologiques*, 8 : 46 (T.L.—'Indian Continent'); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 822; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 27.

*Distribution*—India.

**Laccophilus weyersi** Regimbart

*Laccophilus weyersi* Regimbart, 1900, *Ann. Soc. ent. Belg.*, 44 : 2 (T.L.—Sumatra); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 28.

*Distribution*—Indonesia : Sumatra.

Genus **Neptosternus** Sharp

Type of genus—*Neptosternus ornatus* Sharp (by original designation).

*Neptosternus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 317, 843; Guignot, 1959, *Ann. Mus. R. Congo belge*, 8(78) : 597.

**Neptosternus biharensis** Vazirani

*Neptosternus biharensis* Vazirani, 1962, *Second All India Cong. Zool.*, Abst. : 90 (T.L.—Bihar : Kosi River, Satpathi Ghat—Z.S.I.); 1963, *Bull. Ent.*, 4 : 14-17; 1969, *Orient. Ins.*, 2 : 252.

*Distribution*—India : Bihar.

**Neptosternus brevior** Regimbart

*Neptosternus brevior* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 269; (T.L.—Sumatra); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 28; Csiki, 1838, *Arch. Hydrobiol.*, 15 : 126.

*Distribution*—Indonesia : Sumatra.

**Neptosternus circumductus** Regimbart

*Neptosternus circumductus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 268 (T.L.—'Madras' : Genji—Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 28; Vazirani, 1953, *Rec. Indian Mus.*, 50 : 424; 1963, *Bull. Ent.*, 4 : 14-17; 1969, *Orient. Ins.*, 2 : 251.

*Distribution*—India : Madhya Pradesh, Maharashtra, Orissa, Tamil Nadu, Uttar Pradesh.

**Neptosternus coomani** Peschet

*Neptosternus coomani* Peschet, 1923, *Bull. Soc. ent. Fr.*, 1923 : 175 (T.L.—'Indochina' : Tonkin).

*Distribution*—Vietnam : Tonkin.

**Neptosternus corporaali** Zimmermann

*Neptosternus corporaali* Zimmermann, 1924, *Ent. Mitt.*, 13 : 193 (T.L.—

Sumatra); 1927, *Ark. zool.*, **19A**(13) : 5.

*Distribution*—Indonesia : Sumatra.

#### **Neptosternus horai** Vazirani

*Neptosternus horai* Vazirani, 1953, *Rec. Indian Mus.*, **50** : 424 (T.L.—‘Madras’ : Hoganikal Falls—Z.S.I.); 1963, *Bull. Ent.*, **4** : 16; 1969, *Orient. Ins.*, **2** : 253.

*Distribution*—India : Bihar, Manipur, Tamil Nadu.

#### **Neptosternus hydatioides** Regimbart

*Laccophilus hydatioides* Regimbart, 1877, *Ann. Soc. ent. Fr.*, (5) **7** : 359 [Bull. 39] (T.L.—Philippines : Manila); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 820.

*Neptosternus hydatioides* Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 270; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 28.

*Distribution*—Philippines.

#### **Neptosternus jacobsoni** Zimmermann

*Neptosternus jacobsoni* Zimmermann, 1927, *Ark. zool.*, **19A** no. 13 : 5, 17 (T.L.—Sumatra : Fort de Kock).

*Distribution*—Indonesia : Sumatra.

#### **Neptosternus kaszabi** Sato

*Neptosternus kaszabi* Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, **64** : 150 (T.L.—Prov. Ha Tinh, forest Huong-son—Hungarian Nat. Hist. Mus.).

*Distribution*—Vietnam.

#### **Neptosternus poesi** Sato

*Neptosternus poesi* Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, **64** : 147 (T.L.—Vietnam : Lao Cai—Hungarian Nat. Hist. Mus. & Sato Colln.).

*Distribution*—Vietnam.

#### **Neptosternus sumatrensis** Regimbart

*Neptosternus sumatrensis* Regimbart, 1895, *Ann. Soc. ent. Fr.*, **64** : 345 (T.L.—Sumatra); 1899, *Ann. Soc. ent. Fr.*, **68** : 269; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 28; 1927, *Ark. zool.*, **19A**(13) : 5.

*Distribution*—Indonesia : Sumatra.

#### **Neptosternus taprobanicus** Sharp

*Neptosternus taprobanicus* Sharp, 1890, *Trans. ent. Soc. Lond.*, 1890 : 342 (T.L.—Ceylon : Kitulgalle); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 269;

Zimmermann, 1920, *Coleopt. Cat.*, 4 : 28, Vazirani, 1963, *Bull. Ent.*, 4 : 16; 1969, *Orient. Ins.*, 2 : 251.

*Distribution*—India : Andhra Pradesh; Sri Lanka.

#### **Neptosternus tenasserimus** Guignot

*Neptosternus tenasserimus* Guignot, 1956, *Ark. zool.*, (N.S.) 9 : 451 (T.L.—Tenasserim).

*Distribution*—Burma.

#### **Genus Laccoporus** Balfour-Browne

Type of genus—*Laccoporus viator* Balfour-Browne (by original designation).

*Laccoporus* Balfour-Browne, 1939, *Ann. Mag. nat. Hist.*, London (3) 11 : 97.

#### **Laccoporus viator** Balfour-Browne

*Laccoporus viator* Balfour-Browne, 1939, *Ann. Mag. nat. Hist.*, (3) 11 : 103 (T.L.—Tibet : Gyantse).

*Distribution*—China : Tibet.

#### **Laccoporus nigrutilus** Gschwendtner

*Laccophilus apicornis* var. *nigrutilus* Gschwendtner, *Rec. Indian Mus.*, 37 : 365 (T.L.—Tibet—Z.S.I.).

*Laccoporus nigrutilus*; Vazirani, 1970, *Curr. Sci.*, 39(24) : 563, Comb. nov.

*Distribution*—China : Tibet.

#### **Subfamily HYDROPORINAE**

Hydroporinae—Regimbart, 1878, *Ann. Soc. ent. Fr.*, 8 : 449; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 124; 1920, *Coleopt. Cat.*, 4 : 29; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8)70 : 57.

Hydropore—Latrielle, 1825, *Fam. nat. regne anim.* : 242.

Dyticea Tribus III—Erichson, 1832, *Gen. Dytiscidae* : 42.

Hydroporides—Aube, 1836, *Icon. Col.*, V : 14, 217; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 319, 950.

Hydroporini—Erichson, 1837, *Kaf. Mark Brandbg.*, 1 : 166.

Hydroporina—Thomson, C.G., 1860, *Skand. Col.*, 2 : 10.

Hydroporines—Lameere, 1900, *Fauna Belg.*, 2 : 810.

Hyphydridae—Des Gozis, 1900, *Misc. ent.*, 18 : 3.

Hydroporidae—Regimbart, 1895, *Mem. Soc. ent. Belg.*, 4 : 4.

#### **Tribe Methlini**

Methlini—Regimbart, 1895, *Mem. Soc. ent. Belg.*, 4 : 118; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 197.

Methlinae—Guignot, 1936, *Mem. Mus. natn. Hist. nat.*, **8** : 8; 1950, *Rev. fr. Ent.*, **17** : 97; 1959, *Ann. Mus. R. Congo belge*, (8)70 : 53.

Celinae—Falkenstrom, 1938, *Ark. zool.*, **30A**, 19 : 10.

### Genus *Methles* Sharp

Type of genus—*Methles cribratellus* Fairmaire. (vide Guignot, 1946, *Rev. fr. Ent.*, **13** : 113).

*Methles* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 489, 873; Regimbart, 1895, *Mem. Soc. ent. Belg.*, **4** : 118; Zimmermann, 1919, *Arch. Naturgesch.*, **83A(12)** : 193; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8)70 : 53.

### *Methles indicus* Regimbart

*Methles indicus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 241 (T.L.—Bihar : Chotanagpur); Zimmermann, 1920, *Coleopt. Cat.*, **4** : 135; Vazirani, 1970, *Orient. Ins.*, **4** : 128.

*Distribution*—India : Bihar.

### Tribe Hyphydrini

Hyphydrini—Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 370, 927; Zimmermann, 1919, *Arch. Naturgesch.*, **83A(12)** : 127; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8)70 : 67.

### Genus *Hyphydrus* Illiger

Type of genus—*Hydrachna gibba* Fabricius (vide Latreille, 1810, *Consid. Gen. Ord. Nat. Anim.*, p. 426).

*Hyphydrus*, Illiger, 1807, *Mag. Ins.*, **6** : 349; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 374, 857; Ganglbauer, 1892, *Kaf. Mittel.*, **1** : 447; Regimbart, 1895, *Mem. Soc. ent. Belg.*, **4** : 60; Zimmermann, 1919, *Arch. Naturgesch.*, **83A(12)** : 128; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8)70 : 70.

### Subgenus *Hyphydrus* (*Apriophorus*) Guignot

Type of subgenus—*Hyphydrus lyratus* Swartz (by original designation).

*Hyphydrus* (*Apriophorus*) Guignot, 1936, *Mem. Mus. natn. Hist. nat.*, **8** : 12; 1959, *Ann. Mus. R. Congo belge*, (8)70 : 82.

### *Hyphydrus* (*Apriophorus*) *assamensis* Vazirani

*Hyphydrus* (*Apriophorus*) *assamensis* Vazirani, *Orient. Ins.*, **4** : 309 (T.L.—Manipur—Z.S.I.).

### *Hyphydrus* (*Apriophorus*) *birmanicus* Regimbart

*Hyphydrus birmanicus* Regimbart, 1888, *Annali. Mus. Stor. nat. Genova*, (2)

6 : 614 (T.L.—Burma—Paris Mus.—♂ designated Lectotype); 1899, *Ann. Soc. ent. Fr.*, **68** : 213; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 39.

*Distribution*—Burma.

**Hyphydrus (Apriophorus) coccinelloides** Zimmermann

*Hyphydrus coccinelloides* Zimmermann, 1923, *Ent. Blatt.*, **19** 33 (T.L.—Timor).

*Distribution*—Indonesia.

**Hyphydrus (Apriophorus) excoffieri** Regimbart

*Hyphydrus excoffieri* Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** 210 (T.L.—Yunnan); Zimmermann, 1920, *Coleopt. Cat.*, **4** : 40.

*Distribution*—China : Yunnan.

**Hyphydrus (Apriophorus) eximius** Clark

*Hyphydrus eximius* Clark, 1863, *Trans. ent. Soc. London*, (3) **1** : 421 (T.L.—China); Hori, Hatta, Sato, Arita & Isida, 1965, *Insects of Is. Kikai-gashima, the Amami Islands, Japan*, p. 40.

*Hyphydrus orientalis* Clark, Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 214 (in part).

*Distribution*—China; Formosa, Japan.

**Hyphydrus (Apriophorus) flavicans** Regimbart

*Hyphydrus flavicans* Regimbart, 1892, *Ann. Soc. ent. Belg.*, **36** : 115 (T.L.—Bihar : Konbira—Paris Mus. & Brussels Mus.); 1899, *Ann. Soc. ent. Fr.*, **68** : 208; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 40.

*Hyphydrus (Apriophorus) flavicans*; Guignot, *Opusc. ent.*, Lund., **19** : 221; Vazirani, 1969, *Orient. Ins.*, **4** 306; 1973, *Rec. zool. Surv. India*, **67** : 294.

*Distribution*—India : Bihar, Tamil Nadu, Orissa, Rajasthan, Gujarat, Pakistan.

**Hyphydrus (Apriophorus) intermixtus** Walker

*Hydroporus intermixtus* Walker, 1858, *Ann. Mag. nat. Hist.*, (3) **2** : 204 (T.L.—'Ceylon').

*Hyphydrus indicus* Sharp; 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 382 (T.L.—'East India'); 1890, *Trans. ent. Soc. Lond.*, 1890 : 345; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 211; Zimmermann, 1920, *Coleopt. Cat.*, **4** 41.

*Hyphydrus intermixtus*; Balfour-Browne, 1936, *Ent. Monthly Mag.*, **72** : 129.

*Hyphydrus (Apriophorus) intermixtus*; Vazirani, 1969, *Orient. Ins.*, **2** : 305; 1973, *Rec. zool. Surv. India*, **67** : 294.

*Distribution*—India Tamil Nadu, Kerala, Gujarat, Rajasthan; Sri Lanka.

**Hyphydrus (Apriophorus) jeanneli Guignot**

*Hyphydrus jeanneli* Guignot, 1934, *Bull. Soc. ent. Fr.*, 1934 : 268 (T.L.—Burma : Pegu).

*Distribution*—Burma.

**Hyphydrus (Apriophorus) lindemannaе Guignot**

*Hyphydrus (Apriophorus) lindemannaе* Guignot, 1959, *Bull. Soc. linn. Lyon*, 28 : 8 (T.L.—Pakistan : Rawalpindi—♀ Paratype in Paris Mus.); Vazirani, 1969, *Orient. Ins.*, 4 : 310.

*Distribution*—Pakistan.

**Hyphydrus (Apriophorus) lyratus Swartz**

*Hyphydrus lyratus* Swartz, 1808, in Schonherr, *Syn. Ins.*, 2 : 29 (T.L.—‘India orientali’); Aube, 1838, *Species Coleopteres*, 6 : 463; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 383; Regimbart, 1888, *Annali. Mus. Stor. nat. Genova*, (2) 6 : 614; 1899, *Ann. Soc. ent. Fr.*, 68 : 206; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 131, 1920, *Coleopt. Cat.*, 4 : 41; Feng, 1933, *Peking nat. Hist. Bull.*, 8(2) : 94; Csiki, 1938, *Arch. Hydrobiol.*, (Suppl.), 15 : 127; Kamiya, 1938, *J. Tokyo Nogyo Daigaku*, 5 : 12; Balfour-Browne, 1940, *Proc. R. ent. Soc. Lond.*, 13 : 127; Guignot, 1954, *Ark. zool.*, (N.S.) 6 : 563; Fernando, 1959, *Ceylon J. Sci.*, (Bio. Sci.), 2(1) : 2; Chujo & Sato, 1961, *Nature & Life in South East Asia* : 304; Vazirani, 1969, *Orient. Ins.*, 4 : 307; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, 64 : 144.

*Hyphydrus nigronotatus* Clark, 1863, *Trans. ent. Soc. Lond.*, (3) 1 : 421.

*Hyphydrus bisulcatus* Clark, 1863, *Trans. ent. Soc. Lond.*, (3) 1 : 422.

*Hydroporus fossulipennis* MacLeay 1873, *Trans. ent. Soc. N. S. Wales*, 2 : 122 (T.L.—Australia : Gayandah).

*Distribution*—India : Andaman Islands; Sri Lanka; Burma; Japan; Formosa; China; Indonesia : Java, Sumatra; Vietnam; Thailand; New Guinea and Australia.

**Hyphydrus (Apriophorus) orbicularis Regimbart**

*Hyphydrus orbicularis* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 212 (T.L.—‘Tonkin’); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 42.

*Distribution*—Vietnam.

**Hyphydrus (Apriophorus) orientalis Clark**

*Hyphydrus orientalis* Clark, 1863, *Trans. ent. Soc. Lond.*, (3) 1 : 419 (T.L.—Amoy); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 382; Regimbart,

1899, *Ann. Soc. ent. Fr.*, 68 : 214 (in part); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 42; Feng, 1933, *Peking nat. Hist. Bull.*, 8(2) : 95; Kamiya, 1938, *J. Tokyo Nogyo Daigaku*, 5 : 13; Brinck, 1944, *Forh. K. fysiogr. Sallsk. Handl.* : 124.

*Distribution*—China : Yunnan, Amoy; Japan, Hong Kong; Vietnam : Tonkin.

#### **Hyphydrus (Apriophorus) pictus gschwendtneri Guignot**

*Hyphydrus pictus gschwendtneri* Guignot, 1942, *Bull. Soc. Sci. nat. Vaucluse*, 1942 p. 17 (nom. nov.).

*Hyphydrus pictus* var. *indicus* Gschwendtner, *Rec. Indian Mus.*, 37 : 367 (T.L.—Simla hills : Kandaghat) name preoccupied.

*Hyphydrus (Apriophorus) pictus nalinae* Vazirani, 1969, *Orient. Ins.*, 4 : 111 (Syn. nov.).

*Distribution*—India : Madhya Pradesh, Simla hills.

#### **Hyphydrus (Apriophorus) pulchellus Clark**

*Hyphydrus pulchellus* Clark, 1863, *Trans. ent. Soc. Lond.*, (3)1 : 420 (T.L.—Amoy); Sato, 1961, *Akitu*, 7 : 7; 1972, *Ann. hist-nat. Mus. natn. Hung.*, 64 : 144.

*Hyphydrus orientalis* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 214 (in part); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 42.

*Hyphydrus wui* Gschwendtner, 1932, *Peking nat. Hist. Bull.*, 7 : 161 (T.L.—China).

*Distribution*—China, Japan; Vietnam.

#### **Hyphydrus (Apriophorus) renardi Severin**

*Hyphydrus renardi* Severin, 1890, *Ann. Soc. ent. Belg.*, 34, *Bull.* (4) 12 : 191 (T.L.—Bihar : Tetara; Konbir Nowatoli—Brussels Mus. & Paris Mus.), Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 213; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 130; 1920, *Coleopt. Cat.*, 4 : 44; Vazirani, 1969, *Orient. Ins.*, 2 : 308; 1973, *Proc. zool. Soc. Calcutta*, 25 : 120.

*Distribution*—India : Bihar, Madhya Pradesh, Tamil Nadu, Orissa, Uttar Pradesh, Rajasthan, W Bengal; Burma.

#### **Hyphydrus sumatrae Regimbart**

*Hyphydrus sumatrae* Regimbart, 1880, *Notes Leyden Mus.*, 2 : 211 (T.L.—Sumatra : Palembang, Baligche); 1899, *Ann. Soc. ent. Fr.*, 68 : 213; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 44; 1927, *Ark. zool.*, 19A(13) : 6; Csiki, 1938, *Arch. Hydrobiol.*, (Suppl.) 15 : 127.

*Distribution*—Indonesia : Sumatra, Java.

**Hyphydrus xanthomelas** Regimbart

*Hyphydrus xanthomelas* Regimbart, 1877, *Bull. Soc. ent. Fr.*, 1877 : 80 (T.L.—Philippines : Manila); 1899, *Ann. Soc. ent. Fr.*, 68 : 207; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 383; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 44.

*Distribution*—Philippines.

**Genus Microdytes** Balfour-Browne

Type of genus—*Microdytes belli* Balfour-Browne (by original designation).  
*Microdytes* Balfour-Browne, 1949, *J. Bombay nat. Hist. Soc.*, 46 : 106.

**Microdytes belli** Balfour-Browne\*

*Microdytes belli* Balfour-Browne, 1946, *J. Bombay nat. Hist. Soc.*, 46 : 106 (T.L.—Bombay : Khandesh—British Museum); Vazirani, 1967, *Orient. Ins.*, 1 : 103; 1969, *Orient. Ins.*, 2 : 302.

*Distribution*—India : Maharashtra, Karnataka.

**Microdytes championi** Balfour-Browne

*Microdytes championi* Balfour-Browne, 1946, *J. Bombay nat. Hist. Soc.*, 46 : 107 (T.L.—Uttar Pradesh : Kumaon, Haldwani Dist.—Brit. Mus.); Vazirani, 1969, *Orient. Ins.*, 2 : 303.

*Distribution*—India : Uttar Pradesh.

**Microdytes laccophiloides** Regimbart Comb. nov.\*\*

*Hydrovatus laccophiloides* Regimbart, 1888, *Annali. Mus. Stor. nat. Genova.*, (2) 6 : 612 (T.L.—Burma—Genova Mus.); 1899, *Ann. Soc. ent. Fr.*, 68 : 231; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 34.

*Distribution*—Burma.

**Microdytes maculatus** (Motschulsky)

*Hydrovatus maculatus* Motschulsky, 1859, *Etudes Entomologiques*, 8 : 42 (T.L.—‘Continent Indien’); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 814, 973; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 231; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 34.

*Desmopachria maculata*; Gschwendtner, 1936, *Rec. Indian Mus.*, 37 : 367.

*Microdytes maculatus*; Vazirani, 1969, *Orient. Ins.*, 4 : 301.

*Distribution*—India : Andaman Islands.

**Microdytes sabitae** Vazirani

*Microdytes sabitae* Vazirani, 1968, *Orient. Ins.*, 1 : 103 (T.L.—Maharashtra :

\**Microdytes belli* Regimbart in lit. 2 ex. Khandesh, T.R. Bell.; 1 ex. Kanara in Paris Mus.

\*\*Based on the examination of Type specimen.

Panchgani); 1969, *Orient. Ins.*, 2 : 304.

*Distribution*—India : Maharashtra.

#### Tribe Hydrovatini

Hydrovatini—Sharp, 1880, *Sci. Trans. R. Dublin Soc.*, 2 : 320, 924; Regimbart, 1895, *Mem. Soc. ent. Belg.*, 4 : 99; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8) 70 : 123.

#### Genus *Hydrovatus* Motschulsky

Type of genus—*Hydrovatus castaneus* Motschulsky vide Balfour-Browne, F., 1938, *Syst. Not. Brit. Aquatic Col.*, London, p. 22.

*Hydrovattus* Motschulsky, 1855, *Etudes Entomologiques*, 5 : 82; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 321, 848; Regimbart, 1895, *Mem. Soc. ent. Belg.*, 4 : 99; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8) 70 : 123.

*Oxynoptilus* Schaum, 1889, in Erichson, *Nat. Ins. Deutschl.*, 1(2) : 28.

*Hydatonychus* Kolbe, 1883, *Arch. Naturgesch.*, 49 : 402.

#### *Hydrovatus acuminatus* Motschulsky

*Hydrovatus acuminatus* Motschulsky, 1859, *Etude Entomologiques*, 8 : 42 (T.L.—‘Indian Continent’); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 326; Regimbart, 1894, *Ann. Soc. ent. Fr.*, 63 : 339; 1899, *Ann. Soc. ent. Fr.*, 68 : 235; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 127; 1920, *Coleopt. Cat.*, 4 : 31; 1927, *Ark. zool.*, 19A(13) : 6; Feng, 1933, *Peking nat. Hist. Bull.*, 8(2) : 92; Kamiya, 1938, *J. Tokyo Nogyo Daigaku*, 5 : 9; Csiki, 1938, *Arch. Hydrobiol.*, (Suppl.) 15 : 126; Vazirani, 1969, *Orient. Ins.*, 4 : 103; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, 64 : 145.

*Hydrovatus badius* Clark, 1863, *Trans. ent. Soc. Lond.*, (3) 1 : 424 (T.L.—Burma).

*Hydrovatus malacca* Clark, 1863, *Trans. ent. Soc. Lond.*, (3) 1 : 425 (T.L.—Malacca).

*Hydrovatus consanguineus* Regimbart, 1880, *Notes Leyden Mus.*, 2 : 212 (T.L.—Sumatra : Boekit Kandang).

*Distribution*—India : Burma; Indonesia : Sumatra, Malacca, Celebes, Macassar; China.

#### *Hydrovatus acutus* Sharp

*Hydrovatus acutus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 330; (T.L.—Celebes, Sumatra); Regimbart, 1889, *Ann. Soc. ent. Fr.*, (6) 9 : 152; Zimmermann, 1927, *Ark. zool.*, 19A(13) : 5; Feng, 1933, *Peking nat. Hist. Bull.*, 8(2) : 93; Csiki, 1938, *Arch. Hydrobiol.*, (Suppl.) 15 : 126; Fernando, 1964, *Bull. natn. Mus. Singapore*, 32 : 1.

*Hydrovatus confertus* var. *acutus*; Regimbart, 1891, *Annali Mus. Stor. nat. Genova*, (2) 10 : 541; 1899, *Ann. Soc. ent. Fr.*, 68 : 237; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 127; 1920, *Coleopt. Cat.*, 4 : 32.

*Distribution*—Indonesia : Sumatra, Celebes, Borneo; Malaysia; Burma; Vietnam : Annam.

#### ***Hydrovatus bonvouloiri* Sharp**

*Hydrovatus bonvouloiri* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 335 (T.L.—India); Regimbart, 1889, *Ann. Soc. ent. Fr.*, (6) 9 : 240; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 31; Feng, 1933, *Peking nat. Hist. Bull.*, 8(2) : 92; Guignot, 1954, *Ark. zool.*, (N.S.) 6 : 563; Fernando, 1963, *Bull. Fish. Res. Stn. Ceylon*, 16(1) : 25; 1964, *Bull. natn. Mus. Singapore*, 32 : 1; Vazirani, 1969, *Orient. Ins.*, 4 : 99; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, 64 : 145.

*Distribution*—India; Sri Lanka, Malaysia, Burma; China; Vietnam; Formosa; Indonesia; Philippines.

#### ***Hydrovatus castaneus* Motschulsky**

*Hydrovatus castaneus* Motschulsky, 1855, *Etudes Entomologiques*, 5 : 82 (T.L.—India); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 334; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 240; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 32; Guignot, 1954, *Rev. fr. Ent.*, 21 : 197; Vazirani, 1969, *Orient. Ins.*, 4 : 98.

*Distribution*—India : Bihar, Orissa, Punjab, W. Bengal, Kerala; Burma; Indonesia : Sumatra, Celebes.

#### ***Hydrovatus carbonarius* (Clark)**

*Hydroporus carbonarius* Clark, 1863, *Trans. ent. Soc. Lond.*, (3) 1 : 423 (T.L.—China).

*Hydrovatus carbonarius*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 790; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 232; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 126; 1920, *Coleopt. Cat.*, 4 : 32; 1927, *Ent. Berl.* (Suppl.) 16 : 20; Feng, 1933, *Peking nat. Hist. Bull.*, 8(2) : 82.

*Hydrovatus sumatrensis* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 327 (T.L.—Sumatra); Regimbart, 1894, *Ann. Soc. ent. Fr.*, 63 : 339; 1899, *Ann. Soc. ent. Fr.*, 68 : 233 (Syn. vide Zimmermann, 1927).

*Hydrovatus orientalis* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 805.

*Hydroporus fusco-brunneus* Clark, 1863, *Trans. ent. Soc. Lond.*, (3) 1 : 423 (T.L.—Java).

*Distribution*—China, Indonesia : Java, Sumatra.

**Hydrovatus cardoni** Severin

*Hydrovatus cardoni* Severin, 1890, *Ann. Soc. ent. Belg.*, 34, Bull. (4) 12 : 189 (T.L.—Bihar : Konbira—Brussels Mus.); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 232; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 126; 1920, *Coleopt. Cat.*, 4 : 32; Vazirani, 1969, *Orient. Ins.*, 4 : 96; 1973, *Proc. zool. Soc. Calcutta*, 25 : 120.

*Distribution*—India : Bihar, W Bengal, Orissa.

**Hydrovatus confertus** Sharp

*Hydrovatus confertus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 329 (T.L.—‘Siam’); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 237 (in part); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 32; (in part); Feng, 1933, *Peking nat. Hist. Bull.*, 8 : 93; Csiki, 1938, *Arch. Hydrobiol.*, (Suppl.) 15 : 126; Guignot, 1954, *Ark. zool.*, (N.S.) 6 : 565, Fernando, 1963, *Bull. Fish Res. Stn. Ceylon*, 16(1) : 25; 1964, *Bull. natn. Mus. Singapore*, 32 : 1, Vazirani, 1969, *Orient. Ins.*, 4 : 104; 1973, *Proc. zool. Soc. Calcutta*, 25 : 120; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, 64 : 145.

*Distribution*—India : Bihar, Kerala, Tamil Nadu, Rajasthan, Punjab, W Bengal, Uttar Pradesh, Sri Lanka, Burma; Thailand; Indonesia : Sumatra, Java; China : Yunnan, Vietnam.

**Hydrovatus ferrugatus** Regimbart

*Hydrovatus ferrugatus* Regimbart, 1877, *Ann. Soc. ent. Fr.*, Bull. 1877 : 79 (T.L.—Manila—Paris Mus.); 1899, *Ann. Soc. ent. Fr.*, 68 : 232; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 814; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 126; 1920, *Coleopt. Cat.*, 4 : 33; 1927, *Ark. zool.*, 19A(13) : 6; Guignot, 1954, *Ark. zool.*, (N.S.), 6 : 563; Vazirani, 1969, *Orient. Ins.*, 4 : 104; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, 64 : 45.

*Hydrovatus elevatus* Sharp, 1890, *Sci. Trans. R. Dublin Soc.*, 2 : 328 (T.L.—Celebes).

*Distribution*—India : Bihar, W Bengal, Karnataka, Punjab; Philippines; Burma; Vietnam; Indonesia; Sri Lanka, New Guinea.

**Hydrovatus fractus** Sharp

*Hydrovatus fractus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 330 (T.L.—‘Siam’); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 236; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 127; 1920, *Coleopt. Cat.* 4 : 33.

*Distribution*—Thailand, Vietnam : Saigon.

**Hydrovatus fulvescens** Motschulsky

*Hydrovatus fulvescens* Motschulsky, 1859, *Etudes Entomologiques*, 8 : 53

(T.L.—India); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 326; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 235; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 33.  
*Distribution*—India.

#### **Hydrovatus fuscus Sharp**

*Hydrovatus fuscus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 326 (T.L.—Celebes); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 233; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 33; 1927, *Ark. zool.*, **19A**(13) : 5; Feng, 1933, *Peking nat. Hist. Bull.*, **8** : 93; Guignot, 1954, *Ark. zool.*, (N.S.) **6** : 563; Vazirani, 1969, *Orient. Ins.*, **4** : 106; 1973, *Rec. zool. Surv. India*, **67** : 293.  
*Distribution*—India : Bihar, Orissa, Gujarat; Burma; Nepal; Sri Lanka; Formosa; China; Indonesia.

#### **Hydrovatus ischyus Guignot**

*Hydrovatus ischyus* Guignot, 1954, *Rev. fr. ent.*, **21** : 196 (T.L.—‘Ceylon’).  
*Distribution*—Sri Lanka.

#### **Hydrovatus javanus Csiki**

*Hydrovatus javanus* Csiki, 1938, *Arch. Hydrobiol.*, (Suppl.) **15** : 127 [T.L.—Java (attracted to light)].  
*Distribution*—Indonesia : Java.

#### **Hydrovatus nigrita Sharp**

*Hydrovatus nigrita* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 333; (T.L.—Australia; Philippines); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 241; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 34.  
*Distribution*—Australia; Philippines.

#### **Hydrovatus obtusus Motschulsky**

*Hydrovatus obtusus* Motschulsky, 1855, *Etude Entomologiques*, **4** : 82 (T.L.—India); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 331; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 238; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 34; Vazirani, 1969, *Orient. Ins.*, **4** : 101.  
*Distribution*—India.

#### **Hydrovatus pasiricus Csiki**

*Hydrovatus pasiricus* Csiki, 1938, *Arch. Hydrobiol.*, (Suppl.) **15** : 127 (T.L.—Java : Sarangan).

*Hydrovatus pasiricus* var. *simplicior* Csiki, 1938, *Arch. Hydrobiol.*, (Suppl.) **15** : 127 (T.L.—Java : Sarangan. [Syn. nov.].

*Hydrovatus pasiricus* var. *unicolor* Csiki, 1938, *Arch. Hydrobiol.*, (Suppl.) **15** : 127 (T.L.—Java : Sarangan). [Syn. nov.].

*Distribution*—Indonesia : Java.

**Hydrovatus picipennis** Motschulsky

*Hydrovatus picipennis* Motschulsky, 1859, *Etudes Entomologiques*, 8 : 40 (T.L.—Colombo : Ceylon); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 334; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 241; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 35; Vazirani, 1969, *Orient. Ins.*, 4 : 97.

*Distribution*—India : W Bengal, Sri Lanka, Indonesia : Sumatra, Java.

**Hydrovatus pinguis** Regimbart

*Hydrovatus pinguis* Regimbart, 1892, *Ann. Soc. ent. Belg.*, 36 : 114; (T.L.—India : Konbira—Paris Mus.); 1899, *Ann. Soc. ent. Fr.*, 68 : 239; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 35; Vazirani, 1969, *Orient. Ins.*, 4 : 101.

*Distribution*—India : Bihar, Orissa, W Bengal, Burma; Indonesia.

**Hydrovatus pudicus** (Clark)

*Hydrovatus pudicus* Clark, 1863, *Trans. ent. Soc. Lond.*, (3) 1 : 426 (T.L.—Java); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 807.

*Hydrovatus pudicus*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 234; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 35.

*Distribution*—Indonesia : Java.

**Hydrovatus pumilus** Sharp

*Hydrovatus pumilus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 331 (T.L.—Sumatra), Regimbart, 1891, *Annali Mus. Stor. nat. Genova*, (2) 9 : 5; 1894, *Ann. Soc. ent. Fr.*, 63 : 339, 1899, *Ann. Soc. ent. Fr.*, 68 : 235; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 127; 1920, *Coleopt. Cat.*, 4 : 35; Vazirani, 1969, *Orient. Ins.*, 4 : 100; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, 64 : 145.

*Distribution*—India : Bihar, Karnataka, Indonesia : Sumatra, Java, Philippines; Vietnam.

**Hydrovatus pusillus** Regimbart

*Hydrovatus pusillus* Regimbart, 1881, *Annali Mus. Stor. nat. Genova*, 16 : 620 (T.L.—Sumatra); 1895, *Ann. Soc. ent. Fr.*, 64 : 339; 1899, *Ann. Soc. ent. Fr.*, 68 : 236; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 35; Csiki, 1938, *Arch. Hydrobiol.*, (Suppl.) 15 : 126.

*Distribution*—Indonesia : Sumatra, Java, Philippines.

**Hydrovatus rangoonensis** Guignot

*Hydrovatus rangoonensis* Guignot, 1954, *Ark. zool.*, (N.S.) 6 : 563 (T.L.—Rangoon).

*Distribution*—Burma.

**Hydrovatus reticulatus Zimmermann**

*Hydrovatus reticulatus* Zimmermann, 1924, *Ent. Mitt.*, **13** : 194 (T.L.—Java, Borneo).

*Distribution*—Indonesia : Java, Borneo.

**Hydrovatus rufescens Motschulsky**

*Hydrovatus rufescens* Motschulsky, 1859, *Etude Entomologiques*, **8** : 41 (T.L.—India); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 815; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 239; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 35; Vazirani, 1969, *Orient. Ins.*, **4** : 99.

*Distribution*—India; Burma.

**Hydrovatus rufoniger (Clark)**

*Hyphydrus rufoniger* Clark, 1963, *Trans. ent. Soc. Lond.*, (3) **1** : 423 (T.L.—China).

*Hydrovatus rufoniger*; 1880, *Notes Leyden Mus.*, **2** : 212; 1899, *Ann. Soc. ent. Fr.*, **68** : 240; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 334; Zimmermann, 1919, *Arch. Naturgesch.*, **83A(12)** : 127; 1920, *Coleopt. Cat.*, **4** : 35; 1927, *Ark. zool.*, **19A(13)** : 6; Feng, 1933, *Peking nat. Hist. Bull.*, **8(2)** : 93; Guignot, 1954, *Ark. zool.*, (N.S.) **6** : 563; Vazirani, 1969, *Orient. Ins.*, **4** : 96.

*Distribution*—India : Bihar; Burma; Sri Lanka; Thailand; Vietnam; Indonesia; Malaysia; China; Australia.

**Hydrovatus semirufus Zimmermann**

*Hydrovatus semirufus* Zimmermann, 1924, *Ent. Mitt.*, **13** : 194 (T.L.—Sumatra).

*Distribution*—Indonesia : Sumatra.

**Hydrovatus sinister Sharp**

*Hydrovatus sinister* Sharp, 1890, *Trans. ent. Soc. Lond.*, 1890, 343 (T.L.—Ceylon); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 236; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 36; Vazirani, 1969, *Orient. Ins.*, **4** : 105.

*Distribution*—India : W Bengal; Sri Lanka; Indonesia : Borneo.

**Hydrovatus subtilis Sharp**

*Hydrovatus subtilis* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 329 (T.L.—'Siam'); Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, **64** : 146.

*Hydrovatus confertus* var. *subtilis*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** :

237; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 237; Vazirani, 1953, *Rec. Indian Mus.*, 50 : 425 (mis identification).

*Distribution*—Thailand.

### **Hydrovatus tinctus** Sharp

*Hydrovatus tinctus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 328, (T.L.—Siam : Bangkok); Regimbart, 1891, *Annali Mus. Stor. nat. Genova*, (2) 9 : 54; (Syn. of *fuscus* Sharp vide Regimbart, 1899, p. 233); Fernando, 1964, *Bull. natn. Mus. Singapore*, 32 : 1.

*Distribution*—Thailand, Indonesia : Java, Celebes; New Guinea, Malaysia.

### Tribe Bidessini

**Bidessini**—Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 336, 925; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8) 70 : 203.

### Genus **Guignotus** Houlbert

*Type of genus*—*Dytiscus geminus* Fabricius (by original designation).

*Bidessus (Guignotus)* Houlbert, 1934, *Fauna Ent. Arm., Hydrocanthares*, p. 54.

*Guignotus*, Guignot, 1945, *Mem. Mus. natn. Hist. nat.*, 19 : 226; 1954, *Ann. Mus. R. Congo belge*, (8) 70 : 263.

### **Guignotus angularis** (Klug)

*Hydroporus angularis* Klug, 1833, *Symbolae physicae*, 4, 34, F. 1, 2 (T.L.—Amboukol, Nubia—Zool. Mus. Univ. Berlin); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 787.

*Bidessus angularis*; Regimbart, 1895, *Mem. Soc. ent. Belg.*, 4 : 86, fig. 30.

*Bidessus (s.str.) angularis*; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 139; 1920, *Coleopt. Cat.*, 4 : 49.

*Guignotus angularis*, Guignot, 1954, *Bull. Soc. linn. Lyon*, 28 : 9, 1959, *Ann. Mus. R. Congo belge*, (8) 70 : 286, fig. 269; Sato, 1966, *Results Kyoto Univ. Expd. Karakoram and Hindukush*, 1955; Gueorguiev, 1967, *Ann. nat. hist-Mus. Wien*, 70 : 473; Vazirani, 1969, *Orient. Ins.*, 4 : 318, fig. 14 I.

*Distribution*—Africa - Egypt; Tunisia, Algeria. Pakistan.

### **Guignotus annamita** (Regimbart)

*Bidessus annamita* Regimbart, 1889, *Ann. Soc. ent. Belg.*, (6) 9 : 153 (T.L.—Annam : Thuan—An.); 1899, *Ann. Soc. ent. Fr.*, 68 : 224.

*Bidessus (s.str.) annamita*, Zimmermann, 1920, *Coleopt. Cat.*, 4 : 49.

*Guignotus annamita*, Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, 64 : 146.

*Distribution*—Vietnam.

**Guignotus flammulatus (Regimbart)**

*Bidessus flammulatus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 359 (T.L.—China); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 230; Feng, 1933, *Peking nat. Hist. Bull.*, 8 : 98.

*Bidessus (s.str.) flammulatus*; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 51.

*Guignotus flammulatus*; Guignot, 1954, *Opusc. ent.*, Lund., 19 : 221; 1959, *Bull. Soc. linn. Lyon*, 28 : 9; Vazirani, 1967, *Orient. Ins.*, 1 : 104; 1969, *Orient. Ins.*, 4 : 313; 1969, *Spolia zeylan.*, 31 : 401; 1973, *Rec. zool. Surv. India*, 67 : 296; 1973, *Proc. zool. Soc. Calcutta*, 25 : 121; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, 64 : 146.

*Bidessus antennatus* Regimbart, 1892, *Ann. Soc. ent. Belg.*, 36 : 116 (T.L.—Bihar : Mandar—Paris Mus. and Brussels Mus.); 1899, *Ann. Soc. ent. Fr.*, 68 : 225; Zimmermann, 1919, *Ent. Mitt.*, 8 : 75.

*Bidessus (s.str.) antennatus*; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 49; Kamiyo, 1938, *J. Tokyo Nogyo Daigaku*, 5 : 15.

*Guignotus antennatus*, Chujo & Sato, 1961, *Nature & life in S.E. Asia*, : 304; Fernando, 1963, *Bull. Fish. Res. Stn. Ceylon*, 16(1) : 25.

*Distribution*—India : Bihar, Madhya Pradesh, Tamil Nadu, Orissa, Rajasthan, Maharashtra, Gujarat, Uttar Pradesh, W. Bengal; Bangla Desh; Burma; Sri Lanka; Pakistan; China; Japan; Indonesia; Vietnam; Thailand.

**Guignotus baeri (Regimbart) Comb. nov.**

*Bedessus baeri* Regimbart, 1895, *Ann. Soc. ent. Fr.*, 64 : 326 (T.L.—Manila, Java); 1899, *Ann. Soc. ent. Fr.*, 68 : 225; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 129; Csiki, 1938, *Arch. Hydrobiol.*, (Suppl.) 15 : 127.

*Bidessus (s.str.) baeri*; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 49.

*Distribution*—Philippines; Indonesia : Java, Sumatra.

**Guignotus crassifrons (Regimbart)**

*Bidessus crassifrons* Regimbart, 1903, *Ann. Soc. ent. Fr.*, 72 : 331 (T.L.—Kerala : Mahe—Paris Mus., Lectotype).

*Bidessus (s.str.) crassifrons*; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 50.

*Guignotus crassifrons*, Vazirani, 1969, *Orient. Ins.*, 4 : 317.

*Distribution*—India : Kerala.

**Guignotus circulatus (Regimbart) Comb. nov.**

*Bidessus circulatus* Regimbart, 1889, *Ann. Soc. ent. Fr.*, (6) 9 : 154 (T.L.—Vietnam : Mytho, Saigon); 1899, *Ann. Soc. ent. Fr.*, 68 : 229.

*Bidessus (s.str.) circulatus*; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 50.

*Distribution*—Vietnam.

**Guignotus divisus** (Regimbart) Comb. nov.

*Bidessus divisus* Regimbart, 1892, *Notes Leyden Mus.*, 15 : 105 (T.L.—Borneo : 'Sambas'); 1899, *Ann. Soc. ent. Fr.*, 68 : 226.

*Bidessus (s.str.) divisus*; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 51.

*Distribution*—Indonesia : Borneo.

**Guignotus flaviculus** (Motschulsky) Comb. nov.

*Hydroglyphus flaviculus* Motschulsky, 1861, *Bull. Moscou*, 34(1) : 108 (T.L.—Ceylon Colombo); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 786.

*Bidessus (s.str.) flaviculus*; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 51.

*Distribution*—Sri Lanka.

**\*Guignotus fulvescens** (Zimmermann)

*Bidessus fulvescens* Zimmermann, 1923, *Ent. Blatt.*, 19 : 34 (T.L.—Little Nicobar, Kar Nicobar, Calcutta).

*Guignotus fulvescens*, Vazirani, 1969, *Orient. Ins.*, 2 : 323; 1970, *Orient. Ins.*, 4 : 181.

*Distribution*—India : Andaman Islands, W Bengal.

**Guignotus fuscipennis** Sharp

*Bidessus fuscipennis* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 259 (T.L.—Thailand); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 229.

*Bidessus (s.str.) fuscipennis*; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 51.

*Guignotus fuscipennis*; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, 64 : 146.

*Distribution*—Thailand; Vietnam.

**Guignotus gujaratensis** Vazirani

*Guignotus gujaratensis* Vazirani, 1973, *Rec. zool. Surv. India*, 67 : 297 (T.L.—Gujarat : Jamnagar—Z.S.I.).

*Distribution*—India : Gujarat.

**Guignotus inconstans** (Regimbart)

*Bidessus inconstans* Regimbart, 1892, *Ann. Soc. ent. Fr.*, 36 : 119 (T.L.—Bihar Konbira—Nowatoli—Brussels Mus. & Paris Mus.); 1895, *Ann. Soc. ent. Fr.*, 64 : 328; Fernando, 1961, *Ceylon J. Sci. (Bio.-Sci.)*, 4(1) : 46; 1961, *Bull. Fish. Res. Stn. Ceylon*, 16(1) : 25.

*Bidessus (s.str.) inconstans*, Regimbart, *Ann. Soc. ent. Fr.*, 68 : 227

*Bidessus intermixtus* Sharp, 1882, nec. Walker, *Sci. Trans. R. Dublin Soc.*, 2 : 358, 1890, *Trans. ent. Soc. Lond.*, 1890, 344; Csiki, 1938, *Arch. Hydrobiol.*, (Suppl.) 15 : 127.

\*Vazirani, 1970, has suggested that this may prove to be a synonym of *G. inconstans*.

*Bidessus (s.str.) intermixtus*; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 54 (with *B. inconstans* Reg. as junior synonym); Zimmermann, 1927, *Ark. zool.*, 19A(13) : 6.

*Guignotus inconstans*; Fernando, 1963, *Bull. Fish. Res. Stn. Ceylon*, 16(1) : 26; 1964, *Bull. natn. Mus. Singapore*, 32 : 1; Vazirani, 1967, *Orient. Ins.*, 1 : 105; 1969, *Orient. Ins.*, 2 : 322, 1969, *Spolia zeylan.*, 31 : 401; 1970, *Rec. zool. Surv. India*, 62 : 40; 1971, *Orient. Ins.*, 4 : 443; 1973, *Proc. zool. Soc. Calcutta*, 25 : 121.

*Distribution*—India : Bihar, Orissa, Rajasthan, Maharashtra, Goa, Karnataka; Sri Lanka, Malaysia; Nepal; Bhutan; Burma; Indonesia : Sumatra, Java.

***Guignotus instriatus* (Zimmermann) Comb. nov.**

*Bidessus instriatus* Zimmermann, 1928, *Wien. ent. Ztg.*, 44 (T.L.—Sumatra : Fort de Kock); Csiki, 1938, *Arch. Hydrobiol.*, (Suppl.) 15 : 127.

*Distribution*—Indonesia : Sumatra.

***Guignotus laeticulus* (Sharp) Comb. nov.**

*Bidessus laeticulus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 354 (T.L.—Thailand : Bangkok); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 228.

*Bidessus (s.str.) laeticulus*; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 54.

*Distribution*—Thailand; Indonesia : Celebes.

***Guignotus luteolus* (Regimbart) Comb. nov.**

*Bidessus luteolus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 228 (T.L.—Java : Palabuan); Csiki, 1938, *Arch. Hydrobiol.*, (Suppl.) 15 : 127.

*Bidessus (s.str.) luteolus*; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 54.

*Distribution*—Indonesia : Java, Sumatra.

***Guignotus mysorensis* (Regimbart)**

*Bidessus mysorensis* Regimbart, 1903, *Ann. Soc. ent. Fr.*, 72 : 332 (T.L.—Mysore : Shimoga—Paris Mus. Lectotype designated).

*Bidessus (s.str.) mysorensis*; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 55.

*Guignotus mysorensis*; Vazirani, 1969, *Orient. Ins.*, 2 : 317.

*Distribution*—India : Karnataka, Pondicherry.

***Guignotus nicobaricus* (Redtenbacher) Comb. nov.**

*Hydroporus nicobaricus* Redtenbacher, 1867, *Reise Novara*, 2 : 21 (T.L.—Nicobar Islands); Sharp; 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 802.

*Bidessus nicobaricus*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 228.

*Bidessus (s.str.) nicobaricus*; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 55.

*Distribution*—India : Nicobar Islands.

**Guignotus noteroides** (Regimbart) Comb. nov.

*Bidessus noteroides* Regimbart, 1883, *Notes Leyden Mus.*, 5 : 227 (T.L.—Java : Mulic); 1899, *Ann. Soc. ent. Fr.*, 68 : 223.

*Bidessus (s.str.) noteroides*; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 55.

*Distribution*—Indonesia : Java.

**Guignotus orientalis** (Clark)

*Hydroporus orientalis* Clark, 1863, *Trans. ent. Soc. Lond.*, (3) 1 : 427 (T.L.—China; Siam).

*Bidessus orientalis*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 358; Regimbart, 1895, *Ann. Soc. ent. Fr.*, 64 : 327, 1899, *Ann. Soc. ent. Fr.*, 68 : 226; Feng, 1933, *Peking nat. Hist. Bull.*, 8 : 99.

*Bidessus (s.str.) orientalis*, Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 139; 1920, *Coleopt. Cat.*, 4 : 56.

*Guignotus orientalis*; Guignot, 1954, *Ark. zool.*, (N.S.) 6 : 563; Vazirani, 1969, *Orient. Ins.*, 2 : 316; 1970, *Orient. Ins.*, 4 : 178; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, 64 : 147

*Distribution*—India Assam, W Bengal, Andaman Islands; China, Thailand; Burma, Indonesia : Java, Sumatra, Sumbawa; Vietnam.

**Guignotus pendjabensis** Guignot

*Guignotus pendjabensis* Guignot, 1954, *Opusc. ent.*, Lund, 19 : 221 (T.L.—Pakistan : Punjab : Sohawa); Vazirani, 1967, *Orient. Ins.*, 1 : 105; 1969, *Orient. Ins.*, 2 : 320; 1970, *Rec. zool. Surv. India*, 62 : 40; 1971, *Orient. Ins.*, 4 : 444; 1973, *Rec. zool. Surv. India*, 67 : 296.

*Distribution*—India : Bihar, Rajasthan, Gujarat, Maharashtra, Goa, Madhya Pradesh, Orissa, Pakistan, Bangla Desh.

**Guignotus pradhani** Vazirani

*Guignotus pradhani* Vazirani, 1969, *Orient. Ins.*, 4 : 315 (T.L.—Bihar : Monghyr district, Titalpani—Z.S.I.).

*Distribution*—India Bihar.

**Guignotus pusillus** (Fabricius)

*Dytiscus pusillus* Fabricius, 1781, *Species Ins.*, 1 : 297 (T.L.—Italy—Mus. Kiel).

*Dytiscus pusillus geminus* Fabricius, 1792, *Ent. Syst.*, 1 : 199 (T.L.—Germany : Halae—Mus. Kiel).

*Guignotus pusillus*; Guignot, 1945, *Mem. Mus. natn. Hist. nat.*, 19 : 241; 1947, *Faune France*, 48 : 66; 1959, *Ann. Mus. R. Congo belge*, (8) 70 : 280; Gueorguiev, 1965, *Reichenbachia*, 5(11) : 114; 7(15) : 127; 1968,

- Izv. Inst. Zool. Sof.*, 27 : 31, Vazirani, 1969, *Orient. Ins.*, 2 : 319; 1970, *Rec. zool. Surv. India*, 62 : 40.
- Dytiscus trifidus* Panzer, 1794, *Ent. Germ.*, 1 : 80.
- Dytiscus pygmaeus* Olivier, 1795, *Entomologie.*, 3(40) : 39.
- Dytiscus parvulus* var. b Paykull, 1798, *Faun. Suec.*, 1 : 233.
- Hyphydrus geminus*; Gyllenhal, 1808, *Ins. Suec.*, 1 : 542.
- Hydroporus monolacus* Drapiez, 1820, *Ann. Sc. Phys. Brux.*, 3 : 270.
- Hydroporus symbolum* Kolenati, 1845, *Mel. Ent.*, 1 : 86.
- Bidessus minimus* Bedel, 1881, *Faun. Col. Bass. Seine*, 1 : 234.
- Bidessus geminus*; Seidlitz, 1887, *Faun. Balt.*, ed. 2 : 79, Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 352; Gschwendtner, 1923, *Arch. Naturgesch.*, 89(7-8) : 99; 1935, *Rec. zool. Surv. India*, 37 : 374.
- Bidessus (s.str.) geminus*; Zimmermann, *Arch. Naturgesch.*, 83A(12) : 138; 1920, *Coleopt. Cat.*, 4 : 52.
- Bidessus geminus* ab. *corsicus* Schneider, 1902, *Isis* : 31.
- Bidessus geminus* var. *obscurus* Sahlberg, 1903, *Ofvers. finska Vetensk. Soc. Forh.*, p. 16.
- Distribution*—India : Kashmir, Madhya Pradesh, Rajasthan, Uttar Pradesh, Palearctic Region.

#### **Guignotus regimbarti (Gschwendtner)**

- Bidessus regimbarti* Gschwendtner, 1936, *Rec. Indian Mus.*, 37 : 367 (T.L.—Orissa : Chilka lake—Z.S.I.).
- Guignotus regimbarti*; Vazirani, 1969, *Orient. Ins.*, 2 : 321.
- Distribution*—India : Orissa.

#### **Guignotus signatellus (Klug)**

- Hydroporus signatellus* Klug, 1834, *Symb. Physicae*, 4 : t. 34 fig. 3 (T.L.—Dongola).
- Bidessus signatellus*; Peschet, 1917, *Ann. Soc. ent. Fr.*, 86 : 8; Zimmermann, 1930, *Koleopt. Rdsch.*, 16 : 80.
- Guignotus signatellus*; Guignot, 1945, *Mus. natn. Hist. nat.*, 19 : 45; 1959, *Ann. Mus. R. Congo belge*, (8)70 : 293; 1959, *Bull. Soc. linn. Lyon*, 28 : 10; Omer-Cooper, 1954, *Bull. Soc. Fouad Ent.*, 38 : 257; Gueorguiev, 1965, *Reichenbachria*, 5 : 114; Vazirani, 1969, *Orient. Ins.*, 2 : 353.
- Bidessus thermalis* Germar, 1838, *Faun. Ins. Europe*, 20 : 3 (T.L.—d'Abona); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 319.
- Bidessus thermalis* var. *signatellus*; Regimbart, 1895, *Mem. Soc. ent. Belg.*, 4 : 85; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 58.
- Bidessus signatellus* var. *thermalis*; Peschet, 1917, *Ann. Soc. ent. Fr.*, 86 : 8.

*Guignotus signatellus* ab. *thermalis*, Guignot, 1945, *Mem. Mus. natn. Hist. nat.*, **19** : 245.

*Distribution*—Pakistan; Egypt; Tunisia, Algeria, Iraq, Senegal, Europe.

***Guignotus splendidus* (Gschwendtner) Comb. nov.**

*Bidessus splendidus* Gschwendtner, 1930, *Ent. Anz.*, **10** : (T.L.—Sumatra).

*Distribution*—Indonesia : Sumatra.

***Guignotus thienemanni* (Csiki) Comb. nov.**

*Bidessus thienemanni* Csiki, 1938, *Arch. Hydrobiol.*, (Suppl.), **15** 128 (T.L.—Java Sikidang).

*Distribution*—Indonesia : Java.

***Guignotus transversus* (Sharp) Comb. nov.**

*Bidessus transversus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** 358 (T.L.—‘Siam : Bangkok’); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** 229.

*Bidessus (s.str.) transversus*, Zimmermann, 1920, *Coleopt. Cat.*, **4** 58.

*Distribution*—Thailand.

**Genus *Clypeodytes* Regimbart**

Type of genus—*Bidessus cribrossus* Schaum (vide Guignot, 1946, *Mem. Mus. natn. Hist. nat.*, **8** : 20).

*Clypeodytes* Regimbart, 1894, *Ann. Soc. ent. Fr.*, **63** 230; 1895, *Mem. Soc. ent. Belg.*, **64** 324; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8)**70** 208.

*Bidessus (Clypeodytes)* Zimmermann, 1919, *Arch. Naturgesch.*, **83A**(12) : 136.

***Clypeodytes (s.str.) bufo* Sharp**

*Bidessus bufo* Sharp, 1890, *Trans. ent. Soc. Lond.*, 1890 : 344 (T.L.—‘Ceylon’).

*Clypeodytes bufo*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 217; Guignot, 1954, *Ark. zool.*, (N.S.) **6** 566; Vazirani, 1967, *Orient. Ins.*, **1** : 105; 1969, *Orient. Ins.*, **2** 325; 1971, *Orient. Ins.*, **4** : 444; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, **64** 147.

*Bidessus (Clypeodytes) bufo*, Zimmermann, 1920, *Coleopt. Cat.*, **4** : 46; Feng, 1933, *Peking nat. Hist. Bull.*, **8** 96.

*Distribution*—India : Bihar, Maharashtra, Goa, Orissa, W Bengal, Sri Lanka, Burma, China; Vietnam.

***Clypeodytes (Hypoclypeus)* Guignot**

Type of genus—*Bidessus gestroi* Regimbart (by original designation).

*Clypeodytes (Hypoclypeus)* Guignot, 1950, *Rev. Fr. ent.*, **17** : 97; 1959, *Ann. Mus. R. Congo belge*, (8) **70** : 222.

*Clypeodytes (Hypodytes)* Guignot, 1936, *Mem. Mus. natn. Hist. nat.*, Paris, 8 : 20 (name preoccupied).

***Clypeodytes (Hypoclypeus) duodecimaculatus* Regimbart**

*Clypeodytes duodecimaculatus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 217 (T.L.—India); Vazirani, 1969, *Orient. Ins.*, 2 : 324.

*Bidessus (Clypeodytes) duodecimaculatus*, Zimmermann, 1920, *Coleopt. Cat.*, 4 : 47.

*Clypeodytes (Hypoclypeus) duodecimaculatus*; Vazirani, 1972, *J. Bombay nat. Hist. Soc.*, 68 : 482.

*Distribution*—India.

***Clypeodytes (Hypoclypeus) gestroi* (Regimbart) Comb. nov.**

*Bidessus gestroi* Regimbart, 1888, *Annali. Mus. Stor. nat. Genova*, (2) : 613 (T.L.—Burma : Rangoon—Paris Mus.).

*Clypeodytes gestroi*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 216.

*Bidessus (Clypeodytes) gestroi*; Zimmermann, 1919, *Arch. Naturgesch.*, 83A (12) : 136; 1920, *Coleopt. Cat.*, 4 : 47.

*Distribution*—Burma.

***Clypeodytes (Hypoclypeus) severini* (Regimbart)**

*Bidessus severini* Regimbart, 1892, *Ann. Soc. ent. Belg.*, 36 : 116 (T.L.—Bihar : Mandar—Paris Mus.).

*Clypeodytes severini*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 216; Vazirani, 1969, *Orient. Ins.*, 2 : 325.

*Bidessus (Clypeodytes) severini*; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 48; Vazirani, 1971, *Orient. Ins.*, 4 : 445.

*Clypeodytes (Hypoclypeus) severini*; Vazirani, 1972, *J. Bombay nat. Hist. Soc.*, 68 : 482.

*Distribution*—India : Bihar, Goa.

***Clypeodytes (Lioclypeus) Guignot***

Type of subgenus—*Hydroporus evanescens* Boheman (by original designation).

*Clypeodytes (Leiodytes)* Guignot, 1938, *Mem. Mus. natn. Hist. nat. Paris*, 8 : 20 (name preoccupied).

*Clypeodytes (Lioclypeus)* Guignot, 1950, *Rev. Fr. ent.*, 17 : 97; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8) 70 : 209.

***Clypeodytes (Lioclypeus) griseoguttatus* (Regimbart) Comb. nov.**

*Bidessus griseoguttatus* Regimbart, 1893, *Ann. Soc. ent. Fr.*, 62 : 101 (T.L.—Ceylon : Wackwelle—Paris Mus.).

*Clypeodytes griseoguttatus*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 220.

*Bidessus (Clypeodytes) griseoguttatus*, Zimmermann, 1920, *Coleopt. Cat.*, **4** : 47.

*Distribution*—India : Tamil Nadu\*; Sri Lanka.

*Clypeodytes (Lioclypeus) guttulatus* Regimbart, Comb. nov.

*Bidessus guttulatus* Regimbart, 1891, *Annali. Mus. Stor. nat. Genova*, (2) **10** : 542 (T.L.—Burma : Toungoo).

*Clypeodytes guttulatus*, Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 218.

*Bidessus (Clypeodytes) guttulatus*; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 47

*Distribution*—Burma.

*Clypeodytes (Lioclypeus) horai* Vazirani

*Clypeodytes horai* Vazirani, 1969, *Orient. Ins.*, **2** : 329 (T.L.—Orissa : Baripada—Z.S.I.).

*Clypeodytes (Lioclypeus) horai*; Vazirani, 1972, *J. Bombay nat. Hist. Soc.*, **68** : 482.

*Distribution*—India : Orissa.

*Clypeodytes (Lioclypeus) indicus* (Regimbart)

*Bidessus indicus* Regimbart, 1892, *Mem. Soc. ent. Belg.*, **36** : 117 (T.L.—Bihar : Konbira, Mandar—Paris Mus., Lectotype designated).

*Clypeodytes indicus*, Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 219; Vazirani, 1968, *Orient. Ins.*, **1** : 106; 1969, *Orient. Ins.*, **2** : 327.

*Bidessus (Clypeodytes) indicus*, Zimmermann, 1920, *Coleopt. Cat.*, **4** : 47.

*Clypeodytes (Lioclypeus) indicus*, Vazirani, 1972, *J. Bombay nat. Hist. Soc.*, **68** : 481.

*Distribution*—India : Bihar, Maharashtra, Assam, Uttar Pradesh, Madhya Pradesh.

*Clypeodytes (Lioclypeus) minutus* Vazirani

*Clypeodytes minutus* Vazirani, 1969, *Orient. Ins.*, **2** : 330 (T.L.—Orissa : Cuttack—Z.S.I.).

*Clypeodytes (Lioclypeus) minutus*, Vazirani, 1971, *Orient. Ins.*, **4** : 445; 1971, *J. Bombay nat. Hist. Soc.*, **68** : 481.

*Distribution*—India : Orissa, Goa.

*Clypeodytes (Lioclypeus) orissaensis* Vazirani

*Clypeodytes orissaensis* Vazirani, 1969, *Orient. Ins.*, **2** : 328 (T.L.—Orissa : Baripada—Z.S.I.)

\*New record.

*Clypeodytes (Lioclypeus) orissaensis*; Vazirani, 1971, *J. Bombay nat. Hist. Soc.*, **68** : 481.

*Distribution*—India : Orissa; \*Pakistan.

#### **Clypeodytes (Paraclypeus) Vazirani**

Type of subgenus—*Clypeodytes (Paraclypeus) hemani* Vazirani (by original designation).

*Clypeodytes (Paraclypeus) Vazirani*, 1971, *J. Bombay nat. Hist. Soc.*, **68** : 481.

#### **Clypeodytes (Paraclypeus) hemani Vazirani**

*Clypeodytes hemani* Vazirani, 1967, *Orient. Ins.*, **1** : 106 (T.L.—Maharashtra : Panchgani—Z.S.I.); 1969, *Orient. Ins.*, **2** : 330.

*Clypeodytes (Paraclypeus) hemani*; Vazirani, 1971, *J. Bombay nat. Hist. Soc.*, **68** : 481.

*Distribution*—India : Maharashtra.

The following species have not been assigned to any subgenus as no specimens have been examined.

#### **Clypeodytes dilutus (Sharp)**

*Bidessus dilutus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 364 (T.L.—‘Siam’ : Bangkok).

*Clypeodytes dilutus*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 221; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, **64** : 147.

*Bidessus (Clypeodytes) dilutus*; Zimmermann, 1920, *Coleopt. Cat.* **4** : 47.

*Distribution*—Thailand; Vietnam.

#### **Clypeodytes javanus Regimbart**

*Clypeodytes javanus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 220 (T.L.—Java : Penglengan; Borneo—Paris Mus.).

*Bidessus (Clypeodytes) javanus*; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 97.

*Distribution*—Indonesia : Java, Borneo.

#### **Clypeodytes loriae (Regimbart)**

*Bidessus loriae* Regimbart, 1892, *Annali. Mus. Stor. nat. Genova*, (2) **11** : 989 (T.L.—New Guinea).

*Clypeodytes loriae*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 218.

*Bidessus (Clypeodytes) loriae*; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 47.

*Distribution*—New Guinea.

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\*New record.

**Clypeodytes loriae sumatrensis** Regimbart

*Clypeodytes sumatrensis* Regimbart, 1895, *Ann. Soc. ent. Fr.*, **64** : 324 (T.L.—Sumatra—Paris Mus.); 1899, *Ann. Soc. ent. Fr.*, **68** : 218.

*Bidessus (Clypeodytes) sumatrensis*; Zimmermann, 1919, *Arch. Naturgesch.*, **83A(12)** : 136.

*Bidessus (Clypeodytes) loriae* var. *sumatrensis*; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 47.

*Distribution*—Indonesia : Sumatra.

**Clypeodytes oblongus** Regimbart

*Clypeodytes oblongus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 219 (T.L.—Java—Wehncke Colln.).

*Bidessus (Clypeodytes) oblongus*; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 47.

*Distribution*—Indonesia : Java.

**Clypeodytes perforatus** (Sharp)

*Bidessus perforatus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 363 (T.L.—China); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 21; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 48; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, **64** : 148.

*Distribution*—Vietnam; China.

**Genus Yola** Gozis

Type of genus—*Hydroporus bicarinatus* Latreille (by original designation).

*Yola* Gozis, 1886, *Rech. Esp. Typ.* p. 8; Zimmermann, 1930, *Koleopt. Rdsch.*, **16** : 90; Guignot, 1932, *Hydrocanthares France*, p. 274; 1959, *Ann. Mus. R. Congo belge*, (8) **70** : 223.

*Bidessus (Yola)*, Zimmermann, 1919, *Arch. Naturgesch.*, **83A(12)** : 142; 1920, *Coleopt. Cat.*, **4** : 60.

*Anodocheilus* Ganglbauer, 1892, *Kaf. Mittel.*, **1** : 454.

**Yola consanguinea** (Regimbart)

*Bidessus consanguinea* Regimbart, 1892, *Mem. Soc. ent. Belg.*, **2** : 118 (T.L.—Bihar : Konbira).

*Yola consanguinea*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 221; Vazirani, 1967, *Orient. Ins.*, **1** : 107; 1969, *Orient. Ins.*, **2** : 333; 1973, *Rec. zool. Surv. India*, **67** : 298; Sato, 1972, *Ent. Rev. Japan*, **24** : 50.

*Bidessus (Yola) consanguinea*; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 60.

*Distribution*—India : Bihar, Maharashtra, Gujarat, Orissa, Andhra Pradesh.

**Genus Uvarus** Guignot

Type of genus—*Hydroporus lacustris* Say (by original designation).

*Amarodytes (Uvarus)* Guignot, 1939, *Bull. Soc. Etude Sci. nat.,* Vaucluse, 1939, p. 53; 1945, *Mem. Mus. natn. Hist. nat.,* 19 : 246.  
*Uvarus*; Guignot, 1959, *Ann. Mus. R. Congo belge,* (8) 70 : 294.

#### *Uvarus genitilis* (Sharp)

*Bidessus genitilis* Sharp, 1890, *Trans. ent. Soc. Lond.,* 1890 : 344 (T.L.—Ceylon : Kitullgalle—Brit. Mus.); Regimbart, 1899, *Ann. Soc. ent. Fr.,* 68 : 229.

*Bidessus (s.str.) genitilis*; Zimmermann, 1920, *Coleopt. Cat.,* 4 : 53.

*Uvarus genitilis*; Fernando, 1963, *Bull. Fish. Res. Stn. Ceylon,* 16 : 25; 1964, *Bull. natn. Mus. Singapore,* 32 : 1; Vazirani, 1969, *Orient. Ins.,* 2 : 332.  
*Distribution*—India : Bihar, Orissa; Sri Lanka; Malaysia; Pakistan\*.

#### *Uvarus livens* (Regimbart)

*Bidessus livens* Regimbart, 1892, *Ann. Soc. ent. Belg.,* 36 : 120 (T.L.—Bihar : Konbira); Zimmermann, 1920, *Coleopt. Cat.,* 4 : 54.

*Bidessus (s.sts.) livens*; Regimbart, 1899, *Ann. Soc. ent. Fr.,* 68 : 230.

*Uvarus livens*; Vazirani, 1967, *Orient. Ins.,* 1 : 107; 1969, *Orient. Ins.,* 2 : 332.  
*Distribution*—India : Bihar, Orissa, Maharashtra; Malaysia; Sri Lanka\*.

#### *Uvarus quadrilineatus* (Zimmermann)

*Bidessus quadrilineatus* Zimmermann, 1923, *Ent. Blatter,* 19 : 34 (T.L.—W. Bengal : Calcutta).

*Uvarus quadrilineatus*; Vazirani, 1969, *Orient. Ins.,* 2 : 331.

*Uvarus bilineatus* Guignot, 1956, *Ark. zool.,* (N.S.) 9 : 45 (T.L.—W. Bengal : Calcutta—Paris Mus.).

*Distribution*—India : W Bengal, Bihar.

#### Genus *Allopachria* Zimmermann

Type of genus—*Allopachria quadripunctulatus* Zimmermann (by original designation).

*Allopachria* Zimmermann, 1924, *Ent. Mitt.,* 13 : 195.

#### *Allopachria umbrosus* Zimmermann

*Allopachria umbrosus* Zimmermann, 1927, *Ent. Berl.,* (Suppl.) 16 : 26 (T.L.—Sumatra).

*Distribution*—Indonesia : Sumatra.

#### Tribe Hydroporini

Hydroporini—Sharp, 1882, *Sci. Trans. R. Dublin Soc.,* 2 : 389, 928; Regim-

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\*New record.

bart, 1895, *Mem. Soc. ent. Belg.*, 4 : 4; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 145; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8) 78 : 823.

#### Genus *Coelambus* Thomson

Type of genus—*Dytiscus impressopunctatus* Schaller (vide Brinck, 1942, *Kungl. Fys. Sallsk. Lund Fohrh.*, 12 : 7).

*Coelambus* Thomson, 1860, *Skandinaviens Coleopt.*, 2 : 13; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 394, 861; Zimmermann, 1930, *Koleopt. Rdsch.*, 16 : 95; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8) 78 : 328.

#### *Coelambus confluens* (Fabricius)

*Dytiscus confluens* Fabricius, 1787, *Mant. Ins.*, 1 : 193 (T.L.—Kiel).

*Coelambus confluens*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 408; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 150; 1920, *Coleopt. Cat.*, 4 : 64; Gschwendtner, 1936, *Rec. Indian Mus.*, 37 : 374; Guignot, 1954, *Opusc. ent.*, Lund, 19 : 221; 1959, *Ann. Mus. R. Congo belge*, (8) 78 : 334; Vazirani, 1970, *Orient. Ins.*, 4 : 104; Gueorguiev, 1970, *Izv. Inst. Zool. Sof.*, 32 : 253.

*Distribution*—India : Kashmir, Himachal Pradesh; Central and Eastern Europe.

#### *Coelambus enneagrammus* (Ahrens)

*Hydroporus enneagrammus* Ahrens, 1833, *Isis*, 1833, p. 645.

*Coelambus enneagrammus*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 406; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 150; 1920, *Coleopt. Cat.*, 4 : 65; Gschwendtner, 1923, *Arch. Naturgesch.*, 89(7-8) : 99; Guignot, 1954, *Opusc. ent.*, Lund, 19 : 221; Vazirani, 1970, *Orient. Ins.*, 4 : 110; Gueorguiev, 1970, *Izv. Inst. Zool. Sof.*, 32 : 253.

*Distribution*—Germany; Iran; U.S.S.R. : Turkestan; Pakistan : Baluchistan.

#### *Coelambus flaviventris* (Motschulsky)

*Hydroporus flaviventris* Motschulsky, 1859, *Bull. Acad. Sci.*, St. Petersburg, 1 : 303.

*Coelambus flaviventris*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 407; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 150; 1920, *Coleopt. Cat.*, 4 : 66; Gschwendtner, 1923, *Arch. Naturgesch.*, 89(7-8) : 99; Guignot, 1958, *Opusc. ent.*, Lund., 19 : 231; Mani & Singh, 1962, *J. Bombay nat. Hist. Soc.*, 58 : 742; Gueorguiev, 1965, *Reichenbachia Mus. Tier. Dresden*, 7 : 129; 1968, *Reichenbachia Mus. Tier. Dresden*, 9 : 278; 1968, *Izv. Inst.*

*Zool. Sof.*, 27 : 23; 1970, *Izv. Inst. Zool. Sof.*, 32 : 253; Vazirani, 1970, *Orient. Ins.*, 4 : 111.

*Distribution*—India : Kashmir; Palaearctic Region.

#### **Coelambus impressopunctatus (Schaller)**

*Dytiscus impressopunctatus* Schaller, 1783, *Ann. nat. Ges. Hall.*, 1 : 312 (T.L.—N. America—Brit. Mus.).

*Coelambus impressopunctatus*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 403; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 152; Gschwendtner, 1923, *Arch. Naturgesch.*, 89(7-8) : 99; Kamiya, 1938, *J. Tokyo Nogyo Daigaku*, 5 : 17; Guignot, 1954, *Bull. mens. Soc. linn. Lyon*, 27 : 29; Gueorguiev, 1965, *Reichenbachia*, 7(15) : 128; 1968, *Izv. Inst. Zool. Sof.*, 27 : 24; 1970, *Izv. Inst. Zool. Sof.*, 32 : 253; Vazirani, 1970, *Orient. Ins.* 4 : 109.

*Distribution*—India : Kashmir; Europe; U.S.S.R. : Siberia, Turkestan; Mongolia; 'N. America'; Japan.

#### **Genus Hyphoporus Sharp**

Type of genus—*Hyphoporus solieri* (Aube) vide Guignot, 1946 : 115.

*Hyphoporus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 390, 859; Regimbart, 1895, *Mem. Soc. ent. Belg.*, 4 : 34; Zimmermann, 1930, *Koleopt. Rdsch.*, 16 : 115; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8) 78 : 337; Vazirani, 1970, *Bull. Mus. natn. Hist. nat.*, (2) 41 : 203.

#### **Hyphoporus anitae Vazirani**

*Hyphoporus anitae* Vazirani, 1969, *Bull. Mus. natn. Hist. nat.*, (2) 41 : 221 (T.L.—'W Pakistan' : Lahore—Z.S.I. and Paris Mus.).

*Distribution*—Pakistan : Punjab, Baluchistan.

#### **Hyphoporus aper Sharp**

*Hyphoporus aper* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 390 (T.L.—N. India—Brit. Mus.); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 204; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 72; Vazirani, 1969, *Bull. Mus. natn. Hist. nat.*, (2) 41 : 208.

*Distribution*—India : Maharashtra, Bihar, Madhya Pradesh, Punjab, Uttar Pradesh, W Bengal, Karnataka.

#### **Hyphoporus bertrandi Vazirani**

*Hyphoporus bertrandi* Vazirani, 1969, *Bull. Mus. natn. Hist. nat.*, (2) 41 : 218 (T.L.—Pakistan : Lahore—Paris Mus. & Z.S.I.).

*Distribution*—Pakistan.

**Hyphoporus bengalensis** Severin

*Hyphoporus bengalensis* Severin, 1890, *Ann. Soc. ent. Belg.*, 34 : Bull. (4) 12 : 191 (T.L.—Bihar : Tetara, Konbira—Brussels Mus. and Paris Mus.); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 205; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 72; Vazirani, 1969, *Bull. Mus. natn. Hist. nat.*, (2) 41 : 215; Sato, 1972, *Ent. Rev. Japan*, 24 : 50.

*Distribution*—India : Bihar, W Bengal, Punjab.

**Hyphoporus caliginosus** Regimbart

*Hyphoporus caliginosus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 203 (T.L.—‘Inde Meridionale’—Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 72; Vazirani, 1969, *Bull. Mus. natn. Hist. nat.*, (2) 41 : 214 (Lectotype designated).

*Distribution*—India : Tamil Nadu.

**Hyphoporus dehraduni** Vazirani

*Hyphoporus dehraduni* Vazirani, 1969, *Bull. Mus. natn. Hist. nat.*, (2) 41 : 211 (T.L.—Dehra Dun—Paris Mus.).

*Distribution*—India : Dehra Dun.

**Hyphoporus elegans** Regimbart

*Hyphoporus elegans* Regimbart, 1888, *Annali Mus. Stor. nat. Genova*, (2) 6 : 615 (T.L.—Burma—Genova Mus.); 1899, *Ann. Soc. ent. Fr.*, 68 : 205; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 72; Vazirani, 1969, *Bull. Mus. natn. Hist. nat.*, (2) 41 : 205. (Considered an aberrant examples).

**Hyphoporus elevatus** Sharp

*Hyphoporus elevatus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 390 (T.L.—N. India—Brit. Mus.); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 204; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 72; Vazirani, 1969, *Bull. Mus. natn. Hist. nat.*, (2) 41 : 222.

*Distribution*—India : Bihar, Delhi, Madhya Pradesh, Punjab, Uttar Pradesh; Pakistan.

**Hyphoporus geetae** Vazirani

*Hyphoporus geetae* Vazirani, 1969, *Bull. Mus. natn. Hist. nat.*, (2) 41 : 221 (T.L.—Bihar : Purulia—Z.S.I. & Paris Mus.).

*Distribution*—India : Bihar.

**\*Hyphoporus interpulsus** (Walker)

*Hydroporus interpulsus* Walker, 1863, *Trans. ent. Soc. Lond.*, (3)1 : 423 (T.L.

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\*‘Type’ specimens are not available in Brit. Mus. and are presumed to have been lost. According to Sharp (l.c.) the species is allied to *H. aper*.

—Ceylon).

*Hyphoporus interpulsus*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 799; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 72; Vazirani, 1969, *Bull. Mus. natn. Hist. nat.*, (2) 41 : 205 (Considered doubtful).

*Distribution*—Sri Lanka.

#### ***Hyphoporus josephi* Vazirani**

*Hyphoporus josephi* Vazirani, 1969, *Bull. Mus. natn. Hist. nat.*, (2) 41 : 223 (T.L.—Assam, Tezpur—Z.S.I.).

*Distribution*—India : Assam.

#### ***Hyphoporus kempii* Gschwendtner**

*Hyphoporus kempii* Gschwendtner, 1936, *Rec. Indian Mus.*, 37 : 368 (T.L.—Assam : Mangaldai—Z.S.I.); Vazirani, 1969, *Bull. Mus. natn. Hist. nat.*, (2) 41 : 211; 1970, *Rec. zool. Surv. India*, 62 : 41.

*Distribution*—India : Assam, Rajasthan.

#### ***Hyphoporus montanus* Regimbart**

*Hyphoporus montanus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 203 (T.L.—Kodaikanal—Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 72. Vazirani, 1969, *Bull. Mus. natn. Hist. nat.*, (2) 41 : 211, (Lectotype designated.).

*Distribution*—India : Tamil Nadu, Eastern Ghats.

#### ***Hyphoporus nilghiricus* Regimbart**

*Hyphoporus nilghiricus* Regimbart, 1903, *Ann. Soc. ent. Fr.*, 72 : 331 (T.L.—Coonoor—Nilgiri—Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 72; Guignot, 1954, *Opusc. ent.*, Lund, 19 : 221; Vazirani, 1969, *Bull. Mus. natn. Hist. nat.*, (2) 41 : 207, (Lectotype designated); 1970, *Rec. zool. Surv. India*, 62 : 42; 1973, *Proc. zool. Soc. Calcutta*, 25 : 120.

*Distribution*—India : Tamil Nadu, Bihar, Orissa, Rajasthan; Pakistan; Sri Lanka.

#### ***Hyphoporus pacistanus* Guignot**

*Hyphoporus pacistanus* Guignot, 1959, *Bull. mens. Soc. linn. Lyon*, 28 : 10 (T.L.—Rawalpindi—Paratype—Paris Mus.); Vazirani, 1969, *Bull. Mus. natn. Hist. nat.*, (2) 41 : 210.

*Distribution*—Pakistan.

#### ***Hyphoporus pugnator* Sharp**

*Hyphoporus pugnator* Sharp, 1890, *Trans. ent. Soc. Lond.*, 1890, 345 (T.L.—

Ceylon : Dikoya—Paris Mus.); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 202; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 73; Vazirani, 1969, *Bull. Mus. natn. Hist. nat.*, (2) 41 : 215.

*Distribution*—India : Kerala; Sri Lanka.

#### **Hyphoporus rotundatus** Gschwendtner

*Hyphoporus rotundatus* Gschwendtner, 1931, *Ent. Anz.*, 11 : 21 (T.L.—Formosa); Kamiya, 1938, *J. Tokyo Nogyo Daigaku*, 5 : 18; Sato & Miyatake, 1964, Second Rep. Kyushu Univ. Expd. to Yaeyama....:137.

*Distribution*—Formosa; Japan.

#### **Hyphoporus severini** Regimbart

*Hyphoporus severini* Regimbart, 1892, *Ann. Soc. ent. Belg.*, 36 : 115 (T.L.—Bihar : Konbira—Paris Mus.); 1899, *Ann. Soc. ent. Fr.*, 68 : 202; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 73; Vazirani, 1969, *Bull. Mus. natn. Hist. nat.*, (2) 41 : 219 (Lectotype designated); 1970, *Rec. zool. Surv. India*, 62 : 41.

*Distribution*—India : Bihar, Rajasthan, Uttar Pradesh; Bangla Desh, Pakistan; Afghanistan; Seistan.

#### **Hyphoporus subaequalis** Vazirani

*Hyphoporus subaequalis* Vazirani, 1969, *Bull. Mus. natn. Hist. nat.*, (2) 41 : 214 (T.L.—Burma Pegu—Paris Mus.).

*Distribution*—Burma.

#### **Hyphoporus tonkinensis** Regimbart

*Hyphoporus tonkinensis* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 204 (T.L.—Tonkin—Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 73; Vazirani, 1969, *Bull. Mus. natn. Hist. nat.*, (2) 41 : 206, (Lectotype designated).

*Distribution*—Vietnam : Tonkin.

#### **Genus Herophydrus** Sharp

Type of genus—*Hyphydrus guineensis* Aube (vide Guignot, 1959, *Ann. Mus. R. Congo belge*, (8) 78 : 339).

*Herophydrus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 392, 861; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8) 78 : 339.

#### **Herophydrus musicus** (Klug)

*Hydroporus musicus* Klug, 1833, *Symb. Physicae*, 4 : 33 (T.L.—Egypt : Mt. Sinai).

*Coelambus musicus*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 397.

*Herophydrus musicus*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 201; Zimmermann, 1919, *Arch. Naturgesch.*, **83A(12)** : 152; 1920, *Coleopt. Cat.* **4** : 74; Gschwendtner, 1923, *Arch. Naturgesch.*, **89(7-8)** : 99; 1936, *Rec. Indian Mus.*, **37** : 369; Guignot, 1954, *Ark. zool.*, (N.S.) **6** : 566; 1954, *Opusc. ent.*, Lund, **19** : 221; Gueorguiev, 1965, *Reichenbachia Mus. Tier. Dresden*, **5(11)** : 115; 1967, *Ann. Naturhistor. Mus. Wien*, **70** : 473; Vazirani, 1970, *Rec. zool. Surv. India*, **62** : 38; 1970, *Orient. Ins.*, **4** : 112; 1973, *Rec. zool. Surv. India*, **67** : 294.

*Distribution*—India : Rajasthan, Bihar, Andhra Pradesh, Uttar Pradesh, Madhya Pradesh, Gujarat, Tamil Nadu; Burma; Sri Lanka; Pakistan; Egypt; Iraq; N. Africa; Syria; U.S.S.R. : Turkestan.

#### Genus *Peschetius* Guignot

Type of genus—*Hydroporus nodieri* Regimbart (vide Guignot, 1943, *Bull. Soc. Ent. Sci. nat.*, Vacluse, 1942, p. 21.

*Peschetius* Guignot, 1935, *Rev. Fr. ent.*, **2** : 131; 1943, *Bull. Soc. Et. Sci. nat.*, Vacluse, 1942, p. 21; 1959, *Ann. Mus. R. Congo belge*, (8)78 : 374.

#### *Peschetius quadricostatus* (Aube)

*Deronectes quadricostatus* Aube, 1838, in Dejean's *Species Coleopteres*, **6** : 487 (T.L.—Bombay).

*Hydroporus quadricostatus*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 194.

*Deronectes (Potamodytes) quadricostatus*; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 123.

*Peschetius quadricostatus*; Guignot, 1943, *Bull. Soc. Et. Sci. nat.*, 1942 : 16; Vazirani, 1967, *Orient. Ins.*, **1** : 108; 1970, *Orient. Ins.*, **2** : 115; 1971, *Orient. Ins.*, **4** : 445; 1973, *Rec. zool. Surv. India*, **67** : 295.

*Distribution*—India : Bihar, Maharashtra, Goa, Kerala, Tamil Nadu, Gujarat, Orissa, Uttar Pradesh.

#### *Peschetius toxophorus* Guignot

*Peschetius toxophorus* Guignot, 1943, *Bull. Soc. Et. Sci. nat.*, Vacluse, 1942 : 21 (T.L.—Nilgiri hills—Paris Mus.); 1949, *Bull. Inst. Sci. nat. belge*, **25** : 16; Vazirani, 1967, *Orient. Ins.*, **1** : 108; 1970, *Orient. Ins.*, **4** : 113; 1973, *Rec. zool. Surv. India*, **67** : 295.

\**Peschetius andrewesi* Balfour-Browne, 1946, *J. Bombay nat. Hist. Soc.*, **46** : 103 (T.L.—India : Nilgiri hills—Brit. Mus.).

*Distribution*—India : Bihar, Orissa, Rajasthan, Karnataka, Kerala, Tamil Nadu, Gujarat.

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\*Specimens labelled *Peschetius andrewesi* Regimbart, manuscript name, loc. Nilgiri hills and Bangalore are in Paris Museum.

Genus *Hydroporus* Clairville

Type of genus—*Hyphydrus pubescens* Gyllenhal (vide Guignot, 1946, *Rev. Fr. ent.*, 1946 : 115).

*Hydroporus* Clairville, 1806, *Ent. Helv.*, 2 : 182; Ganglbauer, 1892, *Kaf. Mitt.*, 1 : 456; Guignot, 1932, *Hydrocanthares France*, p. 303; 1959, *Ann. Mus. R. Congo belge*, (8) 78 : 377.

*Hydroporus* (s.str.) *discretus* Fairmaire

*Hydroporus discretus* Fairmaire, 1859, *Ann. Soc. ent. Fr.*, (3) 7 : 28 (T.L.—Jungles of Boulogne and Marly, France—Paris Mus.); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 460, 868; Gozis, 1914, *Misc. Ent.*, 22 : 178; Balfour-Browne, F., 1940, *Brit. Water Beetles*, 1 : 337.

*Hydroporus* (s.str.) *discretus*; Zimmermann, 1919, *Arch. Naturgesch.*, 83A (12) : 173; 1920, *Coleopt. Cat.*, 4 : 83; 1931, *Koleopt. Rdsch.*, 17 : 140; Guignot, 1932, *Hydrocanthares France*, 174; 1947, *Fauna Fr.*, 48 : 188; 1958, *Bull. mens. Soc. linn. Lyon*, 27 : 29; 1959, *Ann. Mus. R. Congo belge*, (8) 78 : 393; Vazirani, 1970, *Orient. Ins.*, 4 : 117.

*Hydroporus nigrita* Sturm, 1835, *Deutsch. Ins.*, 9 : 56.

*Hydroporus corsicus* Wehncke, 1871, *Berl. ent. Zeit.*, 15 : 163.

*Hydroporus discretus errans* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 46 (T.L.—Canaries—Brit. Mus.).

*Hydroporus marsus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 463 (T.L.—Southern Europe, Spain).

*Hydroporus* (s.str.) *discretus worndlei* Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 174 (T.L.—Innsbruck—Zool. Samml. Bayer St. Munchen).

*Hydroporus discretus pescheti* Guignot, 1930, *Bull. Soc. ent. Fr.*, 1930 : 190.

*Hydroporus lundbladi* Falkenstrom, 1939, *Ark. zool.*, 31A no. 5 : 12 (T.L.—Spain : EI Escorial—Riks. Mus. Stockholm).

*Distribution*—India : Kashmir; Palaeartic Region.

*Hydroporus* (s.str.) *kashmirensis* Vazirani

*Hydroporus* (s.str.) *kashmirensis* Vazirani, 1970, *Orient. Ins.*, 4 : 118 (T.L.—Kashmir—Z.S.I.).

*Distribution*—India : Kashmir.

Genus *Deronectes* Sharp

Type of genus—*Hydroporus latus* Stephens (vide Balfour-Browne, F., 1938, *Notes British Aquatic Coleoptera*, p. 31).

*Deronectes* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 418, 865; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 183 (in part); 1932, *Koleopt.*

*Rdsch.*, 18 : 94; Guignot, 1932, *Hydrocanthares France*, p. 441; 1959, *Ann. Mus. R. Congo belge*, (8) 78 : 432.

Bartheus Houlbert, 1934, *Faun. Ent. Armor.*, p. 65.

*Deronectes (Scabronectes)* Falkenstrom, 1939, *Ent. Tidskr.*, 60 : 88.

#### ***Deronectes vestitus* (Gebler)**

*Hydroporus vestitus* Gebler, 1848, *Bull. Moscou*, 21 : 76 (T.L.—Siberia : Loktowsk).

*Deronectes vestitus*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 814; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 120; Guignot, 1958, *Bull. Mens. Soc. linn. Lyon*, 27 : 29; Vazirani, 1970, *Orient. Ins.*, 4 : 119.

*Distribution*—India : Kashmir; Iran; U.S.S.R. : Turkestan, Siberia.

#### **Genus *Potamonectes* Zimmermann**

Type of Genus—*Dytiscus elegans* Panzer (vide Guignot, 1946, *Rev. Fr. Ent.*, 13 : 115).

*Deronectes (Potamodytes)* Zimmermann, 1919, *Arch. Naturgesch.*, 83A (12) : 184.

*Potamonectes* Zimmermann, 1921, *Ent. Blatt.*, 17 : 87; Guignot, 1933, *Hydrocanthares France*, 462; 1959, *Ann. Mus. R. Congo belge*, (8) 78 : 439. *Rhabdonectes* Houlbert, 1934, *Fauna Ent. Arm. Col. Hydr.*, p. 68.

#### ***Potamonectes (s.str.) balli* Vazirani**

*Potamonectes (s.str.) balli* Vazirani, 1970, *Orient. Ins.*, 4 : 127 (T.L.—Pakistan : Khewra Salt range—Z.S.I.).

*Distribution*—India : Himachal Pradesh; Pakistan.

#### ***Potamonectes (s.str.) griseostriatus* (DeGeer)**

*Dytiscus griseostriatus* DeGeer, 1774, *Mem. Hist. Ins.*, 4 : 403 (T.L.—Sweden—Riks mus. Stockholm).

*Deronectes griseostriatus*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 434.

*Deronectes (Potamodytes) griseostriatus*; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 187; 1920, *Coleopt. Cat.*, 4 : 126; Kamiya, 1938, *J. Tokyo Nogyo Daigaku*, 5 : 22.

*Potamonectes (s.str.) griseostriatus*; Guignot, 1947, *Faune France*, 48 : 146; 1959, *Ann. Mus. R. Congo belge*, (8) 78 : 450; Mani & Singh, 1962, *J. Bombay nat. Hist. Soc.*, 58 : 740; Gueorguiev, 1965, *Reichenbachia Mus. Tier. Dresden*, 7(15) : 133; Vazirani, 1970, *Orient. Ins.*, 4 : 122.

*Distribution*—India : Kashmir; Palaeartic region; Canada; China; Mongolia.

**Potamonectes (s.str.) indicus (Sharp)**

*Deronectes indicus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 431; (T.L.—N. India—Brit. Mus.).

*Hydroporus indicus*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 198.

*Deronectes (Potamodytes) indicus*; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 127.

*Potamonectes (s.str.) indicus*; Guignot, 1959, *Bull. mens. Soc. linn. Lyon*, **28** : 10; Vazirani, 1970, *Orient. Ins.*, **4** : 126.

*Hydroporus melanogrammus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 199 (T.L.—Moradabad, Raghore—Paris Mus. (Syn. by Guignot, 1959).

*Deronectes (Potamodytes) melanogrammus*; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 127.

*Distribution*—India : Himachal Pradesh, Uttar Pradesh, Bihar, Tamil Nadu, Arunachal Pradesh; Pakistan.

**Potamonectes (s.str.) kashmirensis (Regimbart)**

*Hydroporus kashmirensis* Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 195 (T.L.—Kashmir : Goorais Valley—Paris Mus.).

*Deronectes (Potamodytes) kashmirensis*; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 127.

*Potamonectes (s.str.) kashmirensis*; Vazirani, 1970, *Orient. Ins.*, **4** : 123.

*Distribution*—India : Kashmir, Himachal Pradesh; Pakistan.

**Potamonectes (s.str.) manii Vazirani**

*Potamonectes (s.str.) manii* Vazirani, 1970, *Orient. Ins.*, **4** : 124 (T.L.—India : Kashmir : Haichin—Paris Mus.).

*Distribution*—India : Kashmir.

**Subgenus Potamonectes (Zimmermanicus) Guignot**

Type of subgenus—*Hydroporus canariensis* Bedel (by original designation).

*Potamonectes (Zimmermanicus)* Guignot, 1941, *Bull. Soc. Sci. nat. Maroc.*, **21** : 59; 1959, *Ann. Mus. R. Congo belge*, (8) **78** : 442.

**Potamonectes (Zimmermanicus) insignis (Klug)**

*Hydroporus insignis* Klug, 1833, *Symb. Physicae*, **4** : 33 (T.L.—Sinai—Zool. Mus. Univ. Berlin); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 428; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 197.

*Deronectes (Potamodytes) insignis*; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 127.

*Deronectes (Potamonectes) insignis*; Zimmermann, 1921, *Ent. Blatt.*, **17** : 87.

*Potamonectes (Zimmermanicus) insignis*; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8) 78 : 444; Vazirani, 1970, *Orient. Ins.*, 4 : 120.

*Hydroporus semiclusus* Walker, 1871, *List. Col. Coll. Lord.*, p. 10 (Syn. by Zimmermann 1921).

*Distribution*—India : Kashmir; Pakistan : Baluchistan; Iran (Persia); Saudi Arabia; Aden; Egypt.

### Subfamily COLYMBETINAE

*Colymbetinae* Netolitzky, 1911, *Dtsch. ent. Z.*, p. 276; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 136; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8) 78 : 605.

*Colymbetides* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 490.

### Tribe Copelatini

*Copelatini* Regimbart, 1895, *Mem. Soc. ent. Belg.*, 4 : 156; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 196; Guignot, 1961, *Ann. Mus. R. Congo belge*, (8) 90 : 659.

### Genus Copelatus Erichson

Type of genus—*Dytiscus posticus* Fabricius (by original designation).

*Copelatus* Erichson, 1832, *Genera Dytiscidae*, pp. 18, 38; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 562, 892; Guignot, 1945, *Mem. Mus. natn. Hist. nat.*, 19 : 286; 1961, *Ann. Mus. R. Congo belge*, (8) 90 : 659; Gueorguiev, 1968, *Izv. Ins. Zool. Sof.*, 28 : 6.

*Leiopterus* Stephens, 1835, *Brit. Ent.*, 5 : 393 (Type of genus—*Dytiscus oblongus* Illiger).

*Exocelina* Broun, 1886, *Mem. New Zealand Col.*, 4 : 938 (Type of genus *Exocelina advena* Broun).

*Pelocatus* Zaitzev, 1908, *Rev. Rus. Ent.*, 7 : 121 (Type of genus *Dytiscus haemorroidalis* Fabr.).

### \*Group *trilobatus*

#### *Copelatus ternatensis* Regimbart

*Copelatus ternatensis* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 305 (T.L.—Burma : Ternate—Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 113; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, 28 : 10.

*Distribution*—Burma.

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\*These groups are modified by Gueorguiev, 1968.

Group *erichisoni***Copelatus javanus** Regimbart

*Copelatus javanus* Regimbart, 1883, *Notes Leyden Mus.*, 5 : 230 (T.L.—Java : Mont Ardjoeno—Leiden Mus.); 1899, *Ann. Soc. ent. Fr.*, 68 : 303; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 140; Csiki, 1938, *Arch. Hydrobiol.*, (Suppl. 15) : 128; Gueorguiev, 1968, *Izv. Ins. Zool. Sof.*, 28 : 14.

*Distribution*—Indonesia : Java.

**Copelatus melanogrammus** Regimbart

*Copelatus melanogrammus* Regimbart, 1883, *Notes Leyden Mus.*, 5 : 231 (T.L.—Timor—Leiden Mus.); 1899, *Ann. Soc. ent. Fr.*, 68 : 304; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 140; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, 28 : 15.

*Distribution*—Indonesia : Timor.

Group *irinus***Copelatus andamanicus** Regimbart

*Copelatus andamanicus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 320 (T.L.—Andaman Islands—Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 140; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, 28 : 20; Vazirani, 1970, *Orient. Ins.*, 4 : 191, 310.

*Copelatus pulchellus andamanicus*; Balfour-Browne, 1939, *Trans. R. ent. Soc. Lond.*, 88 : 81.

*Distribution*—India : Andaman Islands.

**Copelatus assamensis** Vazirani

*Copelatus assamensis* Vazirani, 1970, *Orient. Ins.*, 4 : 316 (T.L.—Umrau nr. Shillong—Z.S.I.).

*Distribution*—India : Meghalaya.

**Copelatus bangalorensis** Vazirani

*Copelatus bangalorensis* Vazirani, 1970, *Orient. Ins.*, 4 : 311 (T.L.—Bangalore—Paris Mus. & Z.S.I.).

*Copelatus discoideus* Sharp, Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 301 (in part).

*Distribution*—India : Karnataka.

**Copelatus bengalensis** Guignot

*Copelatus bengalensis* Guignot, 1954, *Ann. Soc. ent. Fr.*, 123 : 71 [T.L.—Bengal : 'Peru' (Presumed to be Pusa in Bihar)—Zimmermann, colln.];

Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, **28** : 20; Vazirani, 1970, *Orient. Ins.*, **4** : 309.

*Distribution*—India : Bihar.

#### **Copelatus ceylonicus Vazirani**

*Copelatus ceylonicus* Vazirani, 1969, *Spolia zeylan.*, **31** : 402 (T.L.—Colombo Mus.); 1970, *Orient. Ins.*, **4** : 317.

*Distribution*—Sri Lanka.

#### **Copelatus feae Regimbart**

*Copelatus feae*, Regimbart, 1888, *Annali. Mus. Stor. nat. Genova*, **2** (6) : 616 (T.L.—Burma : Schwegmyo—Genova Mus.); 1899, *Ann. Soc. ent. Fr.*, **68** : 298; Zimmermann, 1919, *Arch. Naturgesch.*, **83A**(12) : 20; 1920, *Coleopt. Cat.*, **4** : 139; Gschwendtner, 1936, *Rec. Indian Mus.*, **37** : 365; Guignot, 1954, *Ark. zool.*, (N.S.) **6** : 566; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, **28** : 20; Vazirani, 1970, *Orient. Ins.*, **4** : 309.

*Distribution*—India : Karnataka, Orissa; Bangla Desh; Burma.

#### **Copelatus freudei Guignot**

*Copelatus freudei* Guignot, 1954, *Ann. Soc. ent. Fr.*, **123** : 72 (T.L.—Bengal : Chapra—Zimmermann Colln.; Paratypes—Paris Mus.); Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, **28** : 20; Vazirani, 1970, *Orient. Ins.*, **4** : 313.

*Distribution*—India : W. Bengal; Sri Lanka.

#### **Copelatus geniculatus Sharp**

*Copelatus geniculatus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 581 (T.L.—'Malaya Archipelago'); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 300; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 139.

*Distribution*—Malaysia.

#### **Copelatus heterogymus Regimbart**

*Copelatus heterogymus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 295 (T.L.—Palawan); Zimmermann, 1920, *Coleopt. Cat.*, **4** : 140; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, **28** : 21.

*Distribution*—Philippines.

#### **Copelatus indicus Sharp**

*Copelatus indicus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 582 (T.L.—India—Brit. Mus.); Regimbart, 1892, *Ann. Soc. ent. Belg.*, **36** : 9; 1899, *Ann. Soc. ent. Fr.*, **68** : 301; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 140;

Fernando, 1961, *Ceylon J. Sci. (Bio. Sci.)*, 4(1) : 46; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, 28 : 21; Vazirani, 1970, *Orient. Ins.*, 4 : 312.  
*Copelatus pulchellus indicus*; Balfour-Browne, 1939, *Trans. R. ent. Soc. Lond.*, 88 : 81.

*Distribution*—India : Bihar, Assam, Uttar Pradesh.

#### *Copelatus irinus* Regimbart

*Copelatus irinus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 297 (T.L.—Borneo—Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 140; 1927, *Ent. Berl.*, (Suppl.) 16 : 32; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, 28 : 21.

*Copelatus horni* Regimbart, 1902, *Ann. Soc. ent. Fr.*, 71 : 469 (T.L.—‘Ceylon’ : Ngombo—Paris Mus.); Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 201 (Type in Ent. Mus. Berlin—perhaps a ‘Paratype’); 1920, *Coleopt. Cat.*, 4 : 140; Vazirani, 1970, *Orient. Ins.*, 4 : 314. (Syn. vide Gueorguiev, l.c.).

*Copelatus weyersi* Regimbart, 1900, *Ann. Soc. ent. Belg.*, 44 : 3 (T.L.—Sumatra). (Syn. vide Gueorguiev l.c.).

*Distribution*—Sri Lanka; Indonesia : Borneo, Sumatra.

#### *Copelatus laticollis* Regimbart

*Copelatus laticollis* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 300 (T.L.—Sumatra—Paris Mus.); Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 201; 1920, *Coleopt. Cat.*, 4 : 141; Gueorguiev, 1968, *Izv. Ins. Zool. Soc.*, 28 : 21.

*Distribution*—Indonesia : Sumatra.

#### *Copelatus latipes* Sharp

*Copelatus latipes* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 580 (T.L.—Malacca—Brit. Mus.); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 296; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 201; 1920, *Coleopt. Cat.*, 4 : 141; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, 28 : 21; Vazirani, 1970, *Orient. Ins.*, 4 : 307.

*Distribution*—Malaysia; India ?

#### *Copelatus malaisei* Guignot

*Copelatus malaisei* Guignot, 1954, *Ark. zool.*, (N.S.) 6 : 566 (T.L.—Burma : Kambaiti—in Riks mus. Stockholm & Paratype—Paris Mus.); Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, 28 : 21; Vazirani, 1970, *Orient. Ins.*, 4 : 316.

*Distribution*—Burma.

**Copelatus minutissimus** Balfour-Browne

*Copelatus minutissimus* Balfour-Browne, 1939, *Trans. R. ent. Soc. Lond.*, **88** : 79 (T.L.—Singapore—Brit. Mus.); Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, **68** : 22; Vazirani, 1970, *Orient. Ins.*, **4** : 315.

*Distribution*—India : Orissa; Malaysia; Singapore.

**Copelatus oblitus** Sharp

*Copelatus oblitus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 582 (T.L.—Singapore—Brit. Mus.); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 298; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 141; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, **28** : 22.

*Distribution*—Singapore.

**Copelatus quadrisignatus** Regimbart

*Copelatus quadrisignatus* Regimbart, 1877, *Ann. Soc. ent. Fr.*, (5) **7** : 356 (T.L.—Palawan); 1877, *Bull. Soc. ent. Fr.*, 1877 : 78; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 769; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 142; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, **27** : 22.

*Distribution*—Philippines.

**Copelatus regimbarti** Branden

*Copelatus regimbarti* Branden, 1895, *Ann. Soc. ent. Belg.*, **29** : 86 (T.L.—Java—Leiden Mus.); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 297; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 142; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, **28** : 23.

*Copelatus fragilis* Regimbart, 1883, *Notes Leyden Mus.*, **5** : 232 (T.L.—Java : Ardjoeno ♀) Name preoccupied by *C. fragilis* Sharp, 1882.

*Distribution*—Indonesia : Java.

**Copelatus subfasciatus** Zimmermann

*Copelatus subfasciatus* Zimmermann, 1919, *Ent. Mitt.*, **8**(4-6) : 76 (T.L.—Formosa : Akau, Anping); 1920, *Coleopt. Cat.*, **4** : 143; Kamiya, 1938, *J. Tokyo Nogyo Daigaku*, **5** : 27; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, **28** : 23.

*Distribution*—Formosa; Japan.

**Copelatus sumbawensis** Regimbart

*Copelatus sumbawensis* Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 304 (T.L.—Sumbawa : Lombok); Zimmermann, 1920, *Coleopt. Cat.*, **4** : 143; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, **28** : 17.

*Distribution*—Indonesia : Sumbawa.

**Copelatus tenebrosus** Regimbart

*Copelatus tenebrosus* Regimbart, 1880, *Notes Leyden Mus.*, 2 : 210 (T.L.—Java—Genova Mus.); 1891, *Annali. Mus. Stor. nat. Genova*, (2) 10 : 544; 1899, *Ann. Soc. ent. Fr.*, 68 : 296; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 217; 1920, *Coleopt. Cat.*, 4 : 143; 1927, *Ark. zool.*, 19A(13) : 6; Csiki, 1938, *Arch. Hydrobiol.*, (Suppl.) 15 : 128; Guignot, 1954, *Ark. zool.* (N.S.) 6 : 566; Fernando, 1963, *Bull. Fish. Res. Stn. Ceylon*, 16(1) : 25; 1964, *Bull. natn. Mus. Singapore*, 32 : 1; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, 28 : 23; Vazirani, 1970, *Orient. Ins.*, 4 : 317; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, 64 : 150.

*Distribution*—Burma; Thailand; Vietnam; Indonesia.

Group *duodecimstriatus***Copelatus cryptarchoides** Regimbart

*Copelatus cryptarchoides* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 293-294 (T.L.—Kanara—Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 138; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, 28 : 24; Vazirani, 1970, *Orient. Ins.*, 4 : 318.

*Copelatus nilgiricus* Balfour-Browne, 1939, *Trans. R. ent. Soc. Lond.*, 88 : 75 (T.L.—Nilgiri hills—Brit. Mus.) (Syn. by Vazirani l.c.); Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, 28 : 25.

*Distribution*—India : Karnataka, Kerala.

**Copelatus mysorensis** Vazirani

*Copelatus mysorensis* Vazirani, 1970, *Orient. Ins.*, 4 : 319 (T.L.—Mysore : Shimoga—Paris Mus. & Z.S.I.); 1973, *Rec. zool. Surv. India*, 67 : 299.

*Distribution*—India : Karnataka, Gujarat.

**Copelatus doriae** Sharp

*Copelatus doriae* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 578 (T.L.—Borneo—Brit. Mus.); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 294; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 201; 1920, *Coleopt. Cat.*, 4 : 139; 1927, *Ark. zool.*, 19A(13) : 6; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, 28 : 26.

*Distribution*—Indonesia : Borneo.

Group *macellus***Copelatus filiformis** Sharp

*Copelatus filiformis* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 563; (T.L.—‘Himalaya’—Wehncke Colln.); Regimbart; 1899, *Ann. Soc. ent. Fr.*, 68 :

272; Feng, 1933, *Peking nat. Hist. Bull.*, 8(2) : 106; Balfour-Browne, 1939, *Trans. R. ent. Soc. Lond.*, 88 : 57; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, 28 : 31; Vazirani, 1970, *Orient. Ins.*, 4 : 318.

*Copelatus (Liopterus) filiformis*; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 198; 1920, *Coleopt. Cat.*, 4 : 145.

*Distribution*—India ?; China (Himalayan Region).

#### Tribe Agabatini

Agabatini—Guignot, 1948, *Bull. mens. Soc. linn. Lyon*, 17 : 167.

#### Genus *Lacconectus*

Type of genus—*Lacconectus fulvescens* Motschulsky (By monotypy).

*Lacconectus* Motschulsky, 1855, *Etudes Entomologiques*, 4 : 83; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 598, 894; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 197; 1929, *Ent. Blatt.*, 25 : 72.

#### *Lacconectus* (s.str.) *basalis* Sharp

*Lacconectus basalis* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 598 (T.L.—‘Siam’; Cambodia—Brit. Mus.); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 290; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 197; 1920, *Coleopt. Cat.*, 4 : 147; 1928, *Sarawak. Mus. J.*, 3 : 384; 1929, *Ent. Blatt.*, 25 : 12; Guignot, 1954, *Ark. zool. (N.S.)* 6 : 566; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, 28 : 39.

*Lacconectus* (s.str.) *basalis*; Vazirani, 1970, *Orient. Ins.*, 4 : 322.

*Distribution*—Thailand; Burma; Cambodia.

#### *Lacconectus* (s.str.) *freyi* Gueorguiev

*Lacconectus freyi* Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, 28 : 39 (T.L.—Annamalai Hills—G. Frey Mus.).

*Distribution*—India : Tamil Nadu.

#### *Lacconectus* (s.str.) *fulvescens* Motschulsky

*Lacconectus fulvescens* Motschulsky, 1855, *Etudes Entomologiques*, 4 : 83 (T.L.—‘Indes Orientales’); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 598; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 291; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 197; 1920, *Coleopt. Cat.*, 4 : 147; 1928, *Sarawak Mus. J.*, 3 : 385; 1929, *Ent. Blatt.*, 25 : 13; Guignot, 1954, *Ark. zool. (N.S.)* 6 : 566; Gueorguiev, 1968, *Izv. Inst. Zoo. Sof.*, 28 : 40; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, 64 : 151.

*Lacconectus* (s.str.) *fulvescens*; Vazirani, 1970, *Orient. Ins.*, 4 : 325.

*Distribution*—India : W. Bengal, Manipur, Sikkim; Burma; Malaysia; Indonesia : Borneo.

**Lacconectus (s.str.) lividus** Regimbart

*Lacconectus lividus* Regimbart, 1891, *Annali Mus. Stor. nat. Genova*, (2) 10 : 544 (T.L.—Burma—Genova Mus.); 1899, *Ann. Soc. ent. Fr.*, 68 : 290; Gschwendtner, 1936, *Rec. Indian Mus.*, 37 : 374; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 147; Guignot, 1954, *Ark. zool.*, (N.S.) 6 : 566; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, 26 : 40.

*Lacconectus (s.str.) lividus*; Vazirani, 1970, *Orient. Ins.*, 4 : 325.

*Distribution*—India : Assam, Orissa; Burma; Malaysia,

**Lacconectus (s.str.) oceanicus** Regimbart

*Lacconectus oceanicus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 291 (T.L.—Mentawai Balabae—Paris Mus.); Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 197; 1920, *Coleopt. Cat.*, 4 : 147; Csiki, 1938, *Arch. Hydrobiol.*, (Suppl.) 15 : 128; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, 28 : 40.

*Lacconectus (s.str.) oceanicus*; Vazirani, 1970, *Orient. Ins.*, 4 : 321.

*Distribution*—Indonesia : Mentawai Is., Sumatra.

**Lacconectus (s.str.) ovalis** Gschwendtner

*Lacconectus ovalis* Gschwendtner, 1936, *Rec. India Mus.*, 37 : 369 (T.L.—'N.E.F.A.' : upper Rotung—Z.S.I.); Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, 28 : 40

*Lacconectus (s.str.) ovalis*; Vazirani, 1970, *Orient. Ins.*, 4 : 324.

*Distribution*—India : Arunachal Pradesh.

**Lacconectus (s.str.) punctipennis** Zimmermann

*Lacconectus punctipennis* Zimmermann, 1928, *Sarawak Mus. J.*, 3 : 387 (T.L.—Java); 1929, *Ent. Blatt.*, 25 : 14; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, 28 : 40.

*Lacconectus (s.str.) punctipennis*; Vazirani, 1970, *Orient. Ins.*, 4 : 321.

*Distribution*—Indonesia : Java.

**Lacconectus (s.str.) ritsemai** Regimbart

*Lacconectus ritsemai* Regimbart, 1883, *Notes Leyden Mus.*, 5 : 299 (T.L.—Java : Kuhl, Van Hasselt—Leiden Mus.); 1899, *Ann. Soc. ent. Fr.*, 68 : 291; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 147; 1928, *Sarawak Mus. J.*, 3 : 384; 1929, *Ent. Blatt.*, 25 : 13; Guignot, 1954, *Ark. zool.* (N.S.) 6 : 566; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, 28 : 40.

*Lacconectus (s.str.) ritsemai*; Vazirani, 1970, *Orient. Ins.*, 4 : 322.

*Distribution*—India : Manipur, W. Bengal; Indonesia : Java, Sumatra, Borneo; Burma.

**Lacconectus (s.str.) tonkinensis** Guignot

*Lacconectus tonkinensis* Guignot, 1957, *Ann. Soc. ent. Fr.*, **62** : 94 (T.L.—North Vietnam—Paris Mus.); Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, **28** : 40.

*Lacconectus (s.str.) tonkinensis*; Vazirani, 1970, *Orient. Ins.*, **4** : 321.

*Distribution*—Vietnam.

**Lacconectus (Paralacconectus) Vazirani**

Type of subgenus—*Lecconectus scholzi* Gschwendtner (by original designation).

*Lacconectus (Paralacconectus) Vazirani*, 1970, *Orient. Ins.*, **4** : 324.

**Lacconectus (Paralacconectus) andrewesi** Guignot

*Lacconectus andrewesi* Guignot, 1952, *Rev. fr. Ent.*, **19** : 31 (T.L.—India : Kanara—Paris Mus.); Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, **28** : 40.

*Lacconectus (Paralacconectus) andrewesi*; Vazirani, 1970, *Orient. Ins.*, **4** : 329.

*Distribution*—India : Karnataka.

**Lacconectus (Paralacconectus) scholzi** Gschwendtner

*Lacconectus simoni* var. *scholzi* Gschwendtner, 1922, *Ent. Anz.*, Wien., **11** : 134 (T.L.—S. India : Tamil Nadu : Salem Dist.).

*Lacconectus scholzi*; Gschwendtner, 1934, *Ent. Anz.*, Wien., **14** : 73 Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, **28** : 40.

*Lacconectus (Paralacconectus) scholzi*; Vazirani, 1970, *Orient. Ins.*, **4** : 328.

*Lacconectus bicolor* Zimmermann, 1923, *Ent. Blatt.*, **19** : 36 (T.L.—India : Shembaganur—Sarawak Mus.) (Syn. by Gschwendtner, 1934, l.c.).

*Distribution*—India : Tamil Nadu, Karnataka.

**Lacconectus (Paralacconectus) simoni** Regimbart

*Lacconectus simoni* Regimbart, 1893, *Ann. Soc. ent. Fr.*, **62** : 102 (T.L.—Ceylon : Hakgola—Paris Mus.); 1899, *Ann. Soc. ent. Fr.*, **68** : 292; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 147; 1928, *Sarawak Mus. J.*, **3** : 388; 1929, *Ent. Blatt.*, **25** : 15; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, **28** : 40.

*Lacconectus (Paralacconectus) simoni*; Vazirani, 1970, *Orient. Ins.*, **4** : 327.

*Distribution*—Sri Lanka.

**Lacconectus (Paralacconectus) strigulifer** Zimmermann

*Lacconectus strigulifer* Zimmermann, 1928, *Sarawak Mus. J.*, **3** : 386 (T.L.—

Pegu : Burma—Zimmermann Colln.); 1929, *Ent. Blatt.*, **25** : 15; Guignot, 1954, *Ark. zool.*, (N.S.) **6** : 566; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, **28** : 40.

*Lacconectus (Paralacconectus) strigulifer*; Vazirani, 1970, *Orient. Ins.*, **4** : 321, 327.

*Distribution*—Burma.

#### \*Genus *Agraphis* Guignot

Type of genus—*Agraphis confosus* Guignot (by monotype).

*Agraphis* Guignot, 1954, *Rev. fr. Ent.*, **21**(3) : 199.

#### *Agraphis kemp*i Vazirani

*Agraphis kemp*i Vazirani, 1970, *Orient. Ins.*, **4** : 330 (T.L.—W Bengal, : Stream Between Ghoom and Sonaha, Darjiling Dist.—Z.S.I.).

*Distribution*—India : W Bengal.

#### Genus *Stictogabus* Guignot

Type of genus—*Agabus angulicollis* Regimbart (by original designation).

*Agabus (Stictogabus)* Guignot, 1948, *Bull. Soc. linn. Lyon*, **17**(9) : 167.

*Stictogabus*; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, **28** : 42 (Placed in tribe Copelatini).

#### *Stictogabus nepalensis* Gueorguiev

*Stictogabus nepalensis* Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, **28** : 42 (T.L.—Nepal : Sunkhosi Tal—Sammbung Bayerischen Staates Munchen).

*Distribution*—Nepal.

#### Tribe Agabini

Agabini—Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 491, 931; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8) **78** : 607.

#### Genus *Agabus* Leach

Type of genus—*Dytiscus paykulli* Leach (by original designation).

*Agabus* Leach, 1817, *Zool. Miscell.*, **3** : 69, 72; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 493, 876; Guignot, 1951, *Bull. Soc. linn. Lyon.*, p. 84; 1959, *Ann. Mus. R. Congo belge*, (8) **78** : 610.

#### Subgenus *Anagabus* Jakovl

Type of subgenus—*Anagabus semenovi* Jakovl (by original designation).

*Agabus (anagabus)* Jakovl, 1897, *A'Beille*, **29** : 38.

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\**Agraphis* does not possess hairs on the inferior face of metafemora as in Agabini. It is treated by Sato, 1970, *Bull. Japan Ent. Acad.*, **5** : 26, as a subgenus of *Platambus* by placing *pictipennis* Sharp under it—but this position is considered incorrect.

**Agabus (Anagabus) vatelloides** Regimbart

*Agabus (Anagabus) vatelloides* Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 270 (T.L.—India—Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, **4** : 184; Vazirani, 1970, *Orient. Ins.*, **4** : 331; Sato, 1972, *Ent. Rev. Japan*, **24** : 49.  
*Agabus (Anagabus) jucundus* Guignot, 1954, *Opusc. ent.*, Lund., **19** : 222 (T.L.—Kashmir—Paris Mus.) (Syn. by Vazirani *l.c.*); 1958, *Bull. Mens. Soc. linn. Lyon*, **27** : 29; Mani, 1962, Introduction to High Altitude Entomology, p. 190.

*Distribution*—India : Kashmir; Afghanistan.

Subgenus **Dichonectes** Guignot

*Agabus (Dichonectes)* Guignot, 1945, *Bull. Soc. ent. Fr.*, p. 21; 1959, *Ann. Mus. R. Congo belge*, (8) **78** : 414.

Type of subgenus—*Dytiscus biguttatus* Olivier (by original designation).

**\*Agabus (Dichonectes) biguttatus** (Olivier)

*Dytiscus biguttatus* Olivier, 1795, *Hist. nat. Ins. Coleopteres*, **3** no. 40 : 26 (T.L.—France : 'Fregus'—Paris Mus.).

*Agabus biguttatus*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 499.

*Agabus (Gaurodytes) biguttatus*; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 157 (in part).

*Agabus (Dichonectes) biguttatus*; Guignot, 1958, *Bull. Mens. Soc. linn. Lyon*, **27** : 29; 1959, *Ann. Mus. R. Congo belge*, (8) **78** : 616; Gueorguiev, 1963, *Opusc. ent.*, Lund, **28** : 219; 1965, *Reichenbachia Mus. Tier. Dresden*, **4** (28) : 256; 1968, *Izv. Inst. Zool. Sof.*, **27** : 36; Sato, 1966, *Results Kyoto Univ. Sci. Expd. Karakoram*, 1955, **8** : 255; Vazirani, 1970, *Orient. Ins.*, **4** : 333; Sato, 1972, *Ent. Rev. Japan*, **24** : 49.

*Distribution*—India : Kashmir; Iran; Afghanistan; Mongolia; U.S.S.R. : Turkestan; 'Asia Minor'; North & N.E. Africa; Europe.

**Agabus (Dischonectes) guttatus** (Paykull)

*Dytiscus guttatus* Paykull, 1789, *Fauna Suecica*, **1** : 211.

*Agabus guttatus*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 497; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 271.

*Agabus (Gaurodytes) guttatus*; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 165; Balfour-Browne, 1950, *Brit. Water Beetles*, **2** : 49.

*Agabus (Dichonectes) guttatus*; Gueorguiev, 1968, *Izv. Inst. Zool Sof.*, **27** : 49; Vazirani, 1970, *Orient. Ins.*, **4** : 335.

\*Reference to literature indicating its occurrence in India and neighbouring countries only are given—for other details refer Guignot, 1959 *l.c.*

*Distribution*—India : Himachal Pradesh, W Bengal; North & Middle Europe; U.S.S.R. : Western Siberia.

**Agabus (Dichonectes) nitidus** (Fabricius)

*Dytiscus nitidus* Fabricius, 1801, *Systema Elutheratorum*, p. 265 (T.L.—Germany—Kiel Mus.).

*Agabus (Gaurodytes) biguttatus* var. *nitidus*; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 157.

*Agabus (Dichonectes) nitidus*; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8) 78 : 619; Mani & Singh, 1962, *J. Bombay nat. Hist.-Soc.*, 58 : 741; Mani, 1962, Introduction to High Altitude Entomology, p. 190; Gueorguiev, 1963, *Opusc. Ent.*, Lund, 28 : 220; 1965, *Reichenbachia Mus. Tier Dresden*, 4 (28) : 256; 1968, *Izv. Inst. Zool. Sof.*, 27 : 36; Vazirani, 1970, *Orient. Ins.*, 4 : 333; Sato, 1972, *Ent. Rev. Japan*, 24 : 49.

*Agabus indicus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 272 (T.L.—Solan—Paris Mus.) (Syn. by Vazirani *l.c.*).

*Distribution*—India : Kashmir, Solan; Europe; Afghanistan; N. & N.E. Africa; Iran; U.S.S.R. : Turkestań.

**Agabus (Dichonectes) lobonyx** Guignot

*Agabus (Dichonectes) lobonyx* Guignot, 1952, *Rev. fr. Ent.*, 19 : 17 (T.L.—Sikkim—Paris Mus.); Vazirani, 1970, *Orient. Ins.*, 4 : 335.

*Distribution*—India : Sikkim.

**Subgenus Gaurodytes** Thomson

Type of subgenus—*Dytiscus bipustulatus* Linnaeus (by original designation).

*Gaurodytes* Thomson, 1859, *Skandinaviens Coleopt.*, 1 : 14 (in part); Zimmermann, 1934, *Koleopt. Rdsch.*, 20 : 147; Guignot, 1932, *Hydrocanthares France*, p. 538.

*Agabus (Gaurodytes)*; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8) 78 : 624; Vazirani, 1970, *Orient. Ins.*, 4 : 335.

*Necticus* Hope, 1838, *Coleopt. Man.*, 2 : 131 (preoccupied).

*Acathodes* Thomson, 1860, *Skandinaviens Coleopt.*, 2 : 57.

*Dichodytes* Thomson, 1886, *Bull. Soc. ent. Fr.*, p. 10.

*Xanthodytes* Seidlitz, 1887, *Verh. Naturf. Ver. Brunn.*, 25 : 81.

*Scythodytes* Seidlitz, 1887, *Verh. Naturf. Ver. Brunn.*, 25 : 81.

*Heteronychus* Seidlitz, 1887, *Verh. Naturf. Ver. Brunn.*, 25 : 81.

*Allonychus* Zaitzev, 1905, *Rev. Russ. Ent.*, 5 : 39.

*Asternus* Guignot, 1931, *Bull. Soc. ent. Fr.*, 1931 : 202.

*Heterodytes* Houlbert, 1934, *Faun. Ent. Arm. Col. Hydroc.*, p. 100.

**Agabus (Gaurodytes) adustus** Guignot

*Agabus (Gaurodytes) adustus* Guignot, 1954, *Opusc. ent.*, Lund, **19** : 223 (T.L.—Kashmir : Chusal—Paris Mus.); Mani, 1962, *An Introduction to High Altitude Entomology* p. 190; Gueorguiev, 1965, *Reichenbachia Mus. Tier. Dresden*, **4** : 256 (Iran).

*Distribution*—India : Kashmir; Iran.

**Agabus (Gaurodytes) amoenus sinuaticollis** Regimbart

*Agabus sinuaticollis* Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 271; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 172.

*Agabus (Gaurodytes) amoenus sinuaticollis*; Vazirani, 1970, *Orient. Ins.*, **4** : 336.

*Agabus amoenus* Solsky, Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 176 (in part); Feng, 1933, *Peking nat. Hist. Bull.*, **8** : 110.

*Agabus japonicus* Sharp, Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 278; (in part).

*Distribution*—India : Himachal Pradesh, Meghalaya; China.

**\*Agabus (Gaurodytes) bipustulatus** (Linneaus)

*Dytiscus bipustulatus* Linneaus, 1767, *Systema Naturae*, ed. **12** : 666 (T.L.—'Suede'—Mus. Kiel).

*Agabus bipustulatus*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 532; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 274.

*Agabus (Gourodytus) bipustulatus*; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 158; Balfour-Browne, F., 1950, *Brit. Water Beetles*, London, **2** : 127; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8) **78** : 625; Gueorguiev, 1965, *Reichenbachia Mus. Tier. Dresden.*, **4**(28) : 256; 1968, *Izv. Inst. Zool. Sof.*, **27** : 31; Vazirani, 1970, *Orient. Ins.*, **4** : 338.

*Distribution*—India : Kashmir; North & N.E. Africa; Europe; U.S.S.R. : Turkestan; Afghanistan; Iran.

**Agabus (Gaurodytes) conspersus** (Marsham)

*Dytiscus conspersus* Marsham, 1802, *Entomologica Britannica*, **1**, *Coleopteres* p. 427 (T.L.—England—Brit. Mus.).

*Agabus conspersus*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 515; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 275.

*Agabus (Xanthodytes) conspersus*; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 176.

*Agabus (Gaurodytes) conspersus*; Guignot, 1958, *Bull. Mens. Soc. linn. Lyon*,

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\*Only references from Oriental Region & Neighbouring areas are given here. For details refer to Guignot, 1959 lc.

27 : 29; 1959, *Ann. Mus. R. Congo belge*, (8) 78 : 630; Gueorguiev, 1963, *Opusc. Ent.*, Lund, 28 : 220; 1965, *Reichenbachia Mus. Tier Dresden*, 4 (28) : 257; Sato, 1966, *Res. Kyoto Univ. Sci. Expt. Karakoram & Hindu-kush*, 1955, 8 : 255; Vazirani, 1970, *Orient. Ins.*, 4 : 338.

*Distribution*—India : Kashmir, Himachal Pradesh; Iran; Afghanistan; Europe.

#### **Agabus (Gaurodytes) debilipes Regimbart**

*Agabus debilipes* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 273 (T.L.—India : Simla—Paris Mus.).

*Agabus (Gaurodytes) debilipes*; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 164; Vazirani, 1970, *Orient. Ins.*, 4 : 339.

*Agabus debilipes* var. *subsericatus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 274 (T.L.—India : Kulu Dist.—Paris Mus.) Syn. by Vazirani, l.c.

*Agabus (Gaurodytes) debilipes* var. *subsericatus*; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 164.

*Agabus (Gaurodytes) skarduensis*; Guignot, 1958, *Bull. Mens. Soc. linn. Lyon*, 27 : 30 (T.L.—India : Skardu—Paris Mus.) Syn. by Vazirani, l.c.

*Distribution*—India : Himachal Pradesh, Punjab, Kashmir.

#### **Genus Platambus Thomson**

Type of genus—*Dytiscus maculatus* Linnaeus (by original designation).

*Platambus* Thomson, 1860, *Skandinaviens Coleopteres*. 2 : 54; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 548, 889; Guignot, 1959, *Ann. Mus. R. Congo belge*, (8) 78 : 68; Vazirani, 1965, *Proc. zool. Soc. Calcutta*, 18 : 25.

#### **Platambus balfourbrownei Vazirani**

*Platambus balfourbrownei* Vazirani, 1965, *Proc. zool. Soc. Calcutta*, 18 : 28 (T.L.—‘Assam’ : Shillong—Z.S.I.).

*Distribution*—India : Meghalaya.

#### **Platambus biswasi Vazirani**

*Platambus biswasi* Vazirani, 1965, *Proc. zool. Soc. Calcutta*, 18 32 (T.L.—Nepal—Z.S.I.).

*Distribution*—Nepal.

#### **Platambus fletcheri Zimmermann**

*Platambus fletcheri* Zimmermann, 1928, *Wien. ent. Ztg.*, 176 (T.L.—‘Assam’ : Shillong—Bayrischen Staates Sammbung Munich. Paratype in Indian

Agricultural Research Institute, New Delhi); Vazirani, 1965, *Proc. zool. Soc. Calcutta*, **18** : 33.

*Distribution*—India : Meghalaya.

#### **Platambus guignoti Vazirani**

*Platambus guignoti*, Vazirani, 1965, *Proc. zool. Soc. Calcutta*, **18** : 27 (T.L.—Pakistan : Murree—Z.S.I.).

*Distribution*—Pakistan.

#### **Platambus incrassatus Gschwendtner**

*Platambus incrassatus* Gschwendtner, 1935, *Koleopt. Rdsch.*, **21** : 63 (T.L.—Burma : Ruby Mines—Z.S.I.); 1936, *Rec. Indian Mus.*, **37** : 70; Vazirani, 1965, *Proc. zool. Soc. Calcutta*, **18** : 30.

*Distribution*—Burma.

#### **Platambus lineatus Gschwendtner**

*Platambus lineatus* Gschwendtner, 1935, *Koleopt. Rdsch.*, **21** : 62 (T.L.—‘N.E.F.A.’ : Abor, Siang Frontier Div.—Z.S.I.); 1936, *Rec. Indian Mus.*, **37** : 370; Vazirani, 1965, *Proc. zool. Soc. Calcutta*, **18** : 26; Gueorguiev, 1965, *Reichenbachia Mus. Tier Dresden*, **5**(11) : 115.

*Distribution*—India : Arunachal Pradesh.

#### **Tribe Hydronebrini**

Hydronebrini—Guignot, 1948, *Bull. Mens. Soc. linn. Lyon*, **17** : 167.

#### **Hydronebrius Jakovl**

Type of genus—*Agabus cordaticollis* Reitter (by monotypy).

*Hydronebrius*—Jakovl, 1897, L’Abeille, **29** : 37.

#### **Hydronebrius guignoti Vazirani**

*Hydronebrius guignoti* Vazirani, 1970, *Orient. Ins.*, **4** : 346 (T.L.—Kashmir : Gitidau—Paris Mus.).

*Distribution*—India : Kashmir.

#### **Genus Platynectes Regimbart**

##### **Subgenus Platynectes (Platynectes) Regimbart**

Type of genus—*Agabus decemnotatus* Aube, vide Guignot, 1946, *Rev. Fr. Ent.*, **13** : 117

*Platynectes* Regimbart, 1887, *Ann. Soc. ent. Fr.*, (5) **8** : 454, 462; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 538, 887; Zimmermann, 1919, *Arch. Naturgesch.*, **83A**(12) : 205.

*Platynectes* (*s.str.*); Vazirani, 1970, *Orient. Ins.*, 4 : 340; 1976, *Rec. zool. Surv. India*, 71 : 170; Gueorguiev, 1972, *Izv. Inst. Zool. Sof.*, 34 : 37.

#### Subgenus *Gueorguievtes* Vazirani

Type of subgenus—*Agabus dissimilis* Sharp (by original designation).

*Platynectes* (*Gueorguievtes*) Vazirani, 1976, *Rec. zool. Surv. India*, 71 : 170.

*Platynectes* (*Platynectes*); Vazirani, 1970, *Orient. Ins.*, 4 : 340 (in part).

*Platynectes* (*Platynectes*) Gueorguiev, 1972, *Izv. Inst. Zool. Sof.*, 34 : 42.

#### *Platynectes* (*Gueorguievtes*) *decempunctatus* (Fabricius)

*Dytiscus decempunctatus* Fabricius, 1775, *Syst. Ent.*, 232 (T.L.—‘Nova Hollandia’); 1781, *Spec. Ins.*, 1 : 294; 1787, *Mant. Ins.*, 1 : 190; 1792, *Ent. Syst.*, 1 : 191; 1801, *Syst. Eleuth.*, 1 : 263.

*Platynectes decempunctatus*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 540; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 283; 1906, in *Nova Guinea*, 5 : 21; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 213; 1920, *Coleopt. Cat.*, 4 : 149.

*Platynectes* (*s.str.*) *decempunctatus*; Gueorguiev, 1972, *Izv. Inst. Zool. Sof.*, 34 : 42.

*Platynectes* (*Gueorguievtes*) *decempunctatus*; Vazirani, 1976, *Rec. zool. Surv. India*, 71 : 170.

*Colymbetes octodecimaculatus* MacLeay, 1825, *Annulosa Javanica*, 1825 p. 31 (T.L.—Java).

*Platynectes octodecimaculatus*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 763.

*Platynectes decempunctatus* var. *octodecimaculatus*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 284; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 149; Csiki, 1938, *Arch. Hydrobiol.* (Suppl.), 15 : 128.

*Platynectes decempunctatus* ab. *flavoscriptus* Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 213 (T.L.—Java).

*Platynectes nigroangularis* Zimmermann, 1919, *Arch. Naturgesch.*, 83A (12) : 214 (T.L.—Java) Syn. vide Gueorguiev, *l.c.*

*Distribution*—Indonesia : Java, New Holland.

#### *Platynectes* (*Gueorguievtes*) *dissimilis* (Sharp)

*Agabus dissimilis*; Sharp, 1873, *Trans. ent. Soc. Lond.*, 1873 : 50 (T.L.—Japan—Brit. Mus.).

*Platynectes dissimilis*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 543; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 288; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 149; Feng, 1933, *Peking nat. Hist. Bull.*, 8(2) : 107;

Kamiya, 1938, *J. Tokyo Nogyo Daigaku*, 5 : 29; Guignot, 1954, *Ark. zool.*, (N.S.), 6 : 566.

*Platynectes (s.str.) dissimilis*; Vazirani, 1970, *Orient. Ins.*, 4 : 340; Gueorguiev, 1972, *Izv. Inst. Zool. Sof.*, 34 : 42.

*Platynectes (Gueorguivtes) dissimilis*; Vazirani, 1976, *Rec. zool. Surv. India*, 71 : 170.

*Distribution*—Burma; Japan; China; Formosa; Hong Kong; ?India.

### **Platynectes (Gueorguivtes) kashmirenus Balfour-Browne**

*Colymbetes lineatus* Redtenbacher, 1844, in Hugel, *Kashmir*, 4 : 503, fig. 5 (T.L.—Kashmir).

*Platynectes lineatus*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 762; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 288; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 149; Gschwendtner, 1935, *Kol. Rdsch.*, 21 : 69.

*Platynectes kashmirenus* Balfour-Browne, 1944, *Ann. Mag. nat. Hist.*, (11) 11 : 352. nom. nov.

*Platynectes (s.str.) kashmirenus*; Gueorguiev, 1972, *Izv. Inst. Zool. Sof.*, 34 : 42.

*Platynectes (s.str.) kashmirensis*; Vazirani, 1970, *Orient. Ins.*, 4 : 341 (in correct spelling).

*Platynectes (Gueorguivtes) kashmiranus*; Vazirani, in press, *Rec. zool. Surv. India*, 71 : 170.

*Distribution*—India : Kashmir, Punjab, Himachal Pradesh, Uttar Pradesh; W. Bengal, Meghalaya (Assam), Manipur, Sikkim.

### **Subgenus Platynectes (Paraplatynectes) Vazirani**

Type of genus—*Platynectes guttula* Regimbart (by original designation).

*Platynectes (Paraplatynectes)* Vazirani, 1970, *Orient. Ins.*, 4 : 342; 1976, *Rec. zool. Surv. India*, 71 : 171

*Platynectes (Australonectes)* Gueorguiev, 1972, *Izv. Inst. Zool. Sof.*, 34 : 55 [Type of genus *P. (A.) brownei* Gueorguiev] (Syn. by Vazirani l.c.).

### **Platynectes (Paraplatynectes) guttula Regimbart**

*Platynectes guttula* Regimbart, 1899, *Ann. Soc. ent. Fr.* 68 : 283 (T.L.—China : Hochan—Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 149; Feng, 1933, *Peking nat. Hist. Bull.*, 8(2) : 108; Gschwendtner, 1935, *Koleopt. Rdsch.*, 21 : 68.

*Platynectes (Paraplatynectes) guttula*; Vazirani, 1970, *Orient. Ins.*, 4 : 342.

*Distribution*—China.

**Colymbinectes** Falkenstrom

Type of genus—*Colymbinectes ater* Falkenstrom (by monotypy).

*Colymbinectes* Falkenstrom, 1936, *Lingn. J. Sci.*, **15**(1) : 79; Gueorguiev, 1972, *Izv. Inst. Zool. Sof.*, **34** : 57; Vazirani, 1976, *Rec. zool. Surv. India*, **71** : 171.

*Platynectes* (*Neoplatynectes*) Vazirani, 1970, *Orient. Ins.*, **4** : 343 (Type of subgenus *P. princeps* Regimbart) (Syn. by Vazirani l.c.).

**Colymbinectes coriaceus** (Regimbart)

*Platynectes coriaceus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 282 (T.L.—Assam : Khasi Hills—Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, **4** : 149.

*Platynectes* (*Neoplatynectes*) *coriaceus*; Vazirani, 1970, *Orient. Ins.*, **4** : 343.

*Colymbinectes coriaceus*; Gueorguiev, 1972, *Izv. Inst. Zool. Sof.*, **34** : 58.

*Distribution*—India : Meghalaya.

**Colymbinectes princeps** (Regimbart)

*Platynectes princeps* Regimbart, 1888, *Annali. Mus. Stor. nat. Genova*, (2)**6** : 615 (T.L.—Burma—Genova Mus.); 1899, *Ann. Soc. ent. Fr.*, **68** : 282; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 150; Feng, 1933, *Peking nat. Hist. Bull.*, **8**(2) : 108; Gschwendtner, 1935, *Koleopt. Rdsch.*, **21** : 68.

*Platynectes* (*Neoplatynectes*) *princeps*; Vazirani, 1970, *Orient. Ins.*, **4** : 344.

*Colymbinectes princeps*, Gueorguiev, 1972, *Izv. Inst. Zool. Sof.*, **34** : 59.

*Distribution*—Burma; China; Vietnam : Tonkin; Hong Kong.

**Colymbinectes procerus** Regimbart

*Platynectes procerus* Regimbart, 1883, *Notes Leyden Mus.*, **5** : 229 (T.L.—Java : Macklot—Leiden Mus.); 1899, *Ann. Soc. ent. Fr.*, **68** : 281; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 150.

*Platynectes* (*Neoplatynectes*) *procerus*; Vazirani, 1970, *Orient. Ins.*, **4** : 340.

*Colymbinectes procerus*, Gueorguiev, 1972, *Izv. Inst. Zool. Sof.*, **34** : 58.

*Distribution*—Indonesia : Java.

## Tribe Colymbetini

Colymbetini—Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 605, 934; Regimbart, 1895, *Mem. Soc. ent. Belg.*, **4** : 4; Guignot, 1961, *Ann. Mus. R. Congo belge*, (8) **90** : 751.

Genus **Colymbetes** Clairville

Type of genus—*Dytiscus striatus* Linnaeus (vide Curtis, 1828, *Brit. Ent.*, p. 207).

*Colymbetes* Clairville, 1806, *Ent. Helv.*, 2 : 188; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 624, 900; Guignot, 1961, *Ann. Mus. R. Congo belge*, (8) 90 : 766.

*Cymatopterus* Boisduval et Laccordaire, 1835, *Fauna Ent.*, Paris, 1 : 308.

#### ***Colymbetes fuscus* (Linnaeus)**

*Dytiscus fuscus* Linnaeus, 1758, *Systema Naturae*, ed. 10 : 411.

*Colymbetes fuscus*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 629; Balfour-Browne, 1950, *British Water Beetles*, London, 2 : 246; Guignot, 1958, *Bull. Mens. Soc. linn. Lyon*, 27 : 29; 1961, *Ann. Mus. R. Congo belge*, (8) 90 : 767; Gueorguiev, 1967, *Ann. Naturhistor. Mus. Wien.*, 70 : 474; Vazirani, 1970, *Orient. Ins.*, 4 : 348.

*Distribution*—India : Kashmir; China : Tibet; N. Africa; Egypt; Central & Mediterranean Europe; Asia Minor; U.S.S.R. : Caucasus; Iran.

#### **Genus *Rhantus* Stephens**

Type of genus—*Rhantus pulverosus* Stephens vide Hope, *Coleopt. Man.*, 1838 : 131.

*Rhantus* Stephens, 1835, *Illustrated Brit. Ent. Mand.*, 5 app. : 395 Regimbart, 1878, *Ann. Soc. ent. Fr.*, (5) 8 : 452, 461; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 607, 899; Guignot, 1961, *Ann. Mus. R. Congo belge*, (8) 90 : 752.

*Spilorhantus* Houlbert, 1934, *Fauna Ent. Arm. Col. Hydrocanthares*, 2 : 116.

#### ***Rhantus* (s.str.) *annamita* Regimbart**

*Rhantus annamita* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 309 (T.L.—Annam—Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 197; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, 64 : 151.

*Distribution*—Vietnam.

#### ***Rhantus* (s.str.) *birmanicus* Vazirani**

*Rhantus* (s.str.) *birmanicus* Vazirani, 1970, *Orient. Ins.*, 4 : 352 (T.L.—Burma : Carin Mt. Ascui Cheba—Paris Mus.).

*Distribution*—Burma.

#### ***Rhantus* (s.str.) *discicollis* (Aube)**

*Colymbetes discicollis* Aube, 1838, in Dejean's *Species Coleopteres*, 6 : 250 (T.L.—Java—Brit. Mus.); Balfour-Browne, 1939, *Ann. Mag. nat. Hist.*, (11) 3 : 110.

*Distribution*—Indonesia : Java.

**Rhantus (s.str.) formosanus** Kamiya

*Rhantus formosanus* Kamiya, 1938, *J. Tokyo Nogyo Daigaku*, 5 : 42 (T.L.—Formosa : Sankakuho—Tokyo Agric. Univ.).

*Distribution*—Formosa.

**Rhantus (s.str.) inclusus** Walker

*Rhantus interclusus* Walker, 1858, *Ann. Mag. nat. Hist.*, (3) 2 : 204 (T.L.—Ceylon : Nuwara Elyia—Brit. Mus.); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 762; 1890, *Trans. ent. Soc. Lond.*, 1890 : 346; Regimbart, 1893, *Ann. Soc. ent. Fr.*, 62 : 103; 1899, *Ann. Soc. ent. Fr.*, 68 : 307; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 202.

*Distribution*—Sri Lanka.

**Rhantus (s.str.) ovalis** Gschwendtner

*Rhantus ovalis* Gschwendtner, 1936, *Rec. Indian Mus.*, 37 : 371 (T.L.—Darjeeling Dist., Ghoom—Z.S.I.).

*Rhantus (s.str.) ovalis*; Vazirani, 1970, *Orient. Ins.*, 4 : 354.

*Rhantus punctatus* Fourcroy, Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 306 (in part).

*Distribution*—India : W Bengal, Himachal Pradesh.

**\*Rhantus (s.str.) pulverosus** (Stephens)

*Colymbetes pulverosus* Stephens, 1828, *Illustrated Brit. Ent. Mand.*, 2 : 69.

*Rhantus pulverosus*; Stephens, 1835, *Illustrated Brit. Ent. Mand.*, 5 : 395; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 609; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 204; Gschwendtner, 1923, *Arch. Naturgesch.*, 89 : 106; Feng, 1933, *Peking nat. Hist. Bull.*, 8(2) : 177; Kamiya, 1938, *Arch. Hydrobiol.*, (15 Suppl.) : 129; Guignot, 1954, *Ark. zool.*, (N.S.), 6 : 566; Mani & Singh, 1962, Introduction to High Altitude Entomology, p. 190; Sato, 1961, *Akitu*, 7 : 9; 1970, *Bull. Japan Acad.*, 5 : 26; Gueorguiev, 1968, *Izv. Inst. Zool. Sof.*, 27 : 38.

*Rhantus (s.str.) pulverosus*; Guignot, 1961, *Ann. Mus. R. Congo belge*, (8) 90 : 755; Ordisch, 1966, *Rec. Dominion Mus.*, 5 : 250; Vazirani, 1970, *Orient. Ins.*, 4 : 351.

*Dytiscus punctatus* Geoffroy, ap. Fourcroy, 1785, *Ent.*, Paris 1 : 70 (T.L.—Paris—Paris Mus.).

\*Note—Vazirani l.c. records the species as extending upto Kashmir only. It is replaced in Burma by *birmanicus* Vazirani. Therefore the species further eastwards may also prove to be distinct, such as *suturalis* MacLeay in Java (with *dispar* Regimbart as synonym) and *australis* Aube, in Australia & Newzealand.

*Rhantus punctatus* Fourcroy, Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 306 (in part); Gschwendtner, 1936, *Rec. Indian Mus.*, 37 : 372.

*Dytiscus conspersus* Gyllenhal, 1808, *Ins. Suec.*, 1 : 482.

*Colymbetes pulverosus* var. *australis* Aube, 1838, in Dejean's, *Species Coleopteres*, 6 : 236 (T.L.—Australia).

*Rhantus notatus* Boisduval et Lacordaire, 1835, *Faun. Ent.*, Paris, 1 : 311.

*Colymbetes rufimanus* White, 1846, *Voy. Ereb. Terr. Zool.*, 11 : 6 (648).

*Colymbetes montrouzieri* Lucas, 1860, *Ann. Soc. ent. Fr.*, (3) 8 : 243.

*Colymbetes suturalis* MacLeay, 1825, *Ann. Jav.*, 2 : 135 (T.L.—Java—Brit. Mus.).

*Rhantus dispar* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 308 (T.L.—Java : Batavia, Bandong—Paris Mus.).

*Distribution*—India : Kashmir; Europe; N. Africa; Mongolia; China; Japan; Indonesia : Java, Sumatra; Australia; Newzealand; New Caledonia.

#### ***Rhantus* (s.str.) *punjabensis* Vazirani**

*Rhantus* (s.str.) *punjabensis* Vazirani, 1970, *Orient. Ins.*, 4 : 355 (T.L.—Pakistan : Murree—Paris Mus.).

*Distribution*—Pakistan.

#### ***Rhantus* (s.str.) *rugulosus* Regimbart**

*Rhantus rugulosus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 310 (T.L.—'India' lex ♀ —Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 205; Gschwendtner, 1935, *Koleopt. Rdsch.*, 21 : 373.

*Rhantus* (s.str.) *rugulosus*; Vazirani, 1970, *Orient. Ins.*, 4 : 349.

*Distribution*—India.

#### ***Rhantus* (s.str.) *sexualis* Zimmermann**

*Rhantus sexualis* Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 219 (T.L.—Simla—Deut. Ent. Mus. Berlin Dehlem); 1920, *Coleopt. Cat.*, 4 : 205; Feng, 1933, *Peking nat. Hist. Bull.*, 8(2) : 118; Gschwendtner, 1936, *Rec. Indian Mus.*, 37 : 373.

*Rhantus* (s.str.) *sexualis*; Vazirani, 1970, *Orient. Ins.*, 4 : 358.

*Distribution*—India : Himachal Pradesh, Sikkim; China.

#### ***Rhantus* (s.str.) *sikkimensis* Regimbart**

*Rhantus sikkimensis* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 306 (T.L.—Sikkim—Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 206; Feng, 1933, *Peking nat. Hist. Bull.*, 8(2) : 118; Gschwendtner, 1936, *Rec. Indian Mus.*, 37 : 371; Guignot, 1954, *Ark. zool.*, (N.S.) 6 : 561.

*Rhantus* (s.str.) *sikkimensis*; Vazirani, 1970, *Orient. Ins.*, 4 : 355.

*Distribution*—India : Himachal Pradesh, W Bengal, Punjab, Sikkim; Pakistan; Burma; China.

**Rhantus (s.str.) taprobanicus Sharp**

*Rhantus taprobanicus* Sharp, 1890, *Trans. ent. Soc. London*, 1890 : 346 (T.L.—Ceylon—Brit. Mus.); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 307; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 218 (in part); 1920, *Coleopt. Cat.*, 4 : 207; Gschwendtner, 1936, *Rec. Indian Mus.*, 37 : 373 (in part); Vazirani, 1968, *Orient. Ins.*, 1 : 108; 1970, *Rec. zool. Surv. India*, 62 : 44; 1970, *Orient. Ins.*, 4 : 356; 1973, *Proc. zool. Soc. Calcutta*, 25 : 121.

*Distribution*—India : Karnataka, Tamil Nadu, Pondicherry, Maharashtra, Rajasthan, Uttar Pradesh, Bihar, Meghalaya, W Bengal; Pakistan; Sri Lanka.

Subfamily *DYTISCINAE*

Dytiscinae—Netolitzky, 1911, *Dtsch. ent. Z.*, 1911 p. 278; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 109, 224; 1920, *Coleopt. Cat.*, 4 : 215; Guignot, 1961, *Ann. Mus. R. Congo belge*, (8) 90 : 771.

Tribe Eretini

Eretini—Crotch, 1873, *Trans. Amer. ent. Soc.*, 4 : 386; Guignot, 1961, *Ann. Mus. R. Congo belge*, (8) 90 : 773.

Tribe Hydaticides—Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 647 (in part).

Genus *Eretes* Castelnau

Type of genus—*Dytiscus sticticus* Linnaeus (vide Erichson, 1832 : 23 under *Eunectes*).

*Eunectes* Erichson, 1832, Gen. Dytiscidae, p. 17, 23 (name preoccupied).

*Eretes*, Castelnau, 1833, *Ann. Soc. ent. Fr.*, 2 : 397; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 699, 913; Guignot, 1961, *Ann. Mus. R. Congo belge*, (8) 90 : 733.

***Eretes sticticus* (Linnaeus)**

*Dytiscus sticticus* Linnaeus, 1767, *Syst. Nat.*, ed. 12, p. 666 (T.L.—Barbery, N. Africa—Brit. Mus.).

*Dytiscus sticticus*; Klug, 1834, *Symb. Phys.*, 4 : 33.

*Eretes sticticus*; Castelnau, 1833, *Ann. Soc. ent. Fr.*, (5) 8 : 450; Erichson, 1840, in Castelnau, *Hist. Nat. Col.*, 1 : 160; Zimmermann, 1919, *Ent. Mitt.*, 8(4-6) : 77; 1920, *Coleopt. Cat.*, 4 : 216; Feng, 1933, *Peking nat. Hist. Bull.*, 8(2) : 121; Csiki, 1938, *Arch. Hydrobiol. (Suppl.)* 15 : 129;

Kamiya, 1938, *J. Tokyo Nogyo Daigaku*, 5 : 46; Chujo & Sato, 1961, *Nature and Life in S.E. Asia*, 1 : 304; Fernando, 1961, *Ceylon J. Sci. (Bio. Sci.)*, 4(1) : 46; Guignot, 1961, *Ann. Mus. R. Congo belge*, (8) 78 : 774; Gueorguiev, 1965, *Reichenbachia Mus. Tier Dresden*, 4(28) : 258; 1965, *Reichenbachia Mus. Tier Dresden*, 5(11) : 117; 1967, *Ann. Naturhistor Mus. Wien.*, 70 : 474; Vazirani, 1968, *Orient. Ins.*, 1 : 109; 1969, *Orient. Ins.*, 2 : 254; 1969, *Spolia zeylan.*, 31 : 402; 1970, *Rec. zool. Surv. India*, 62 : 45; 1970, *Orient. Ins.*, 4 : 180; 1971, *Orient. Ins.*, 4 : 445; 1973, *Rec. zool. Surv. India*, 67 : 82, 299; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, 64 : 152.

*Eunectes sticticus*; Erichson, 1832, *Gen. Dytiscidae*, p. 17, 23.

*Eunectes punctatus* Zoubr Koff, 1837, *Bull. Moscou*, 10 : 66.

*Eunectes occidentalis* Erichson, 1847, *Arch. Naturgesch.*, 1 : 73 (T.L.—Peru).

*Eunectes conicollis* Wollaston, 1861, *Ann. Mag. nat. Hist.*, (3) 8 : 97.

*Eunectes subcoriaceus* Wollaston, 1861, *Ann. Mag. nat. Hist.*, (3) 8 : 99.

*Eunectes subdiaphanus* Wollaston, 1861, *Ann. Mag. nat. Hist.*, (3) 8 : 100.

*Eunectes punctipennis* M'Leay, 1871, *Trans. ent. Soc. N.S. Wales*, 2 : 127 (T.L.—Australia : Gayandah).

*Eretes sticticus* var. *griseus* Fabricius, 1781, *Species Ins.*, 1 : 293 (T.L.—'Inde'—Mus. Kiel.).

*Eretes sticticus* var. *helvolus* Klug, 1834, *Symb. Phys.*, 4 : 33.

*Eretes sticticus* var. *succintus* Klug, 1834, *Symb. Phys.*, 4 : 33.

*Distribution*—Cosmopolitan.

### Tribe Hydaticini

Hydaticini—Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 647, 939; Regimbart, 1895, *Mem. Soc. ent. Belg.*, 4 : 4; Guignot, 1961, *Ann. Mus. R. Congo belge*, (8) 90 : 777.

### Genus *Prodaticus* Sharp

Type of genus—*Prodaticus pictus* Sharp (by monotypy).

*Prodaticus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 648, 906; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 225.

### *Prodaticus pictus* Sharp

*Prodaticus pictus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 648, 906 (T.L.—'Northern India'—Brit. Mus.); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 313; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 217.

*Distribution*—Iran; Pakistan; Baluchistan; Saudi Arabia.

Genus *Hydaticus* Leach

Type of genus—*Dytiscus transversalis* Pontoppidan (vide Curtis, 1825, *Brit. Ent.* p. 95).

*Hydaticus* Leach, 1817, *Zool. Miscell.*, 3 : 69, 72; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 648, 907; Zimmermann, 1919, *Arch. Naturgesch.*, 83A (12) : 225; Guignot, 1932, *Hydrocanthases France*, p. 667; 1950, *Rev. Fr. Ent.*, 17 : 104; 1961, *Ann. Mus. R. Congo belge*, 8(90) : 777; Zimmermann, & Gschwendtner, 1937, *Koleopt. Rdsch.*, 29 : 77.

Subgenus *Hydaticus* (*Guignotites*) Brinck

Type of subgenus—*Hydaticus leander* Rossi (vide Guignot, 1961, *Ann. Mus. R. Congo belge*, (8) 90 : 779).

*Hydaticus* (*Guignotites*) Brinck, 1943, *Kungl. Fysiogr. Sällsk. Lund Forh.*, 13 : 8 [n.n. for *Hydaticus* (*Isonotus*) Houlbert]; Guignot, 1961, *Ann. Mus. R. Congo belge*, (8) 90 : 779.

*Hydaticus* (*Isonotus*) Houlbert, 1934, *Ent. Arm. Hydrocanthares*, p. 124 (name preoccupied).

*Hydaticus* (*Guignotites*) *agaboides* Sharp

*Hydaticus agaboides* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 663 (T.L.—‘Cochin China’); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 327; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 218.

*Distribution*—Vietnam.

*Hydaticus* (*Guignotites*) *bengalensis* Regimbart

*Hydaticus bengalensis* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 322 (T.L.—Calcutta—Paris Mus. Lectotype designated); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 218; Vazirani, 1969, *Orient. Ins.*, 2 : 266.

*Distribution*—India : W Bengal; \*Burma : Pegu.

*Hydaticus* (*Guignotites*) *bipunctatus* Wehncke

*Hydaticus bipunctatus* Wehncke, 1876, *Stett. Ent. Zeit.*, 47 : 196 (T.L.—Philippines).

*Hydaticus vittatus* var. *bipunctatus*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 329; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 228.

*Distribution*—Philippines; Indonesia : Borneo.

*Hydaticus* (*Guignotites*) *bihamatus* Aube

*Hydaticus bihamatus* Aube, 1838, in Dejean’s *Species Coleopteres*, 6 : 174

\*New record (4 ex. in Paris Mus.).

(T.L.—Philippines); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 656; (in part); 1890, *Trans. ent. Soc. Lond.*, p. 346; Regimbart, 1893, *Ann. Soc. ent. Fr.*, **62** : 103; 1899, *Ann. Soc. ent. Fr.*, **68** : 316; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 218; Balfour-Browne, 1939, *Ann. Mag. nat. Hist.*, **11** (3) : 111.

*Distribution*—Philippines.

#### **Hydaticus (Guignotites) bowringi** Clark

*Hydaticus bowringi* Clark, 1864, *Trans. R. ent. Soc. Lond.*, (3) **1** : 214 (T.L.—China—Brit. Mus.); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 670; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 331; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 219.

*Hydaticus bowringi* ab. *nonconjunctus* Zimmermann, 1919, *Arch. Naturgesch.*, **83A(12)** : 227 (T.L.—Japan—Ent. Mus. Berlin—Dehlem).

*Hydaticus bowringi* ab. *transverseguttatus* Zimmermann, 1919, *Arch. Naturgesch.*, **83A(12)** : 227 (T.L.—Tsingtan—Ent. Mus. Berlin—Dahlem).

*Distribution*—China; Japan.

#### **Hydaticus (Guignotites) discidens** Walker

*Hydaticus discidens* Walker, 1858, *Ann. Mag. nat. Hist.*, (3) **2** : 204 (T.L.—Ceylon).

*Hydaticus pacificus* var. *ceylonicus* Guignot, 1935, *Rev. Fr. Ent.*, **2** : 130 (T.L.—Ceylon—Paris Mus.) (Syn. nov.).

*Hydaticus ceylonicus*; Vazirani, 1969, *Spolia zeylan.*, **31** : 403.

*Distribution*—Sri Lanka.

#### **Hydaticus (Guignotites) concolor** Sharp

*Hydaticus concolor* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 661 (T.L.—‘Cochin China’); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 327; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 219; 1927, *Ark. zool.*, **19A(13)** : 6.

*Distribution*—Vietnam; Indonesia.

#### **Hydaticus (Guignotites) fabricii** MacLeay

*Hydaticus fabricii* MacLeay, 1833, *Annulosa Javanica*, p. 134 (T.L.—Java); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 663 (in part); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 324 (in part); Zimmermann, 1920, *Coleopt. Cat.*, **4** : 220 (in part); Gueorguiev, 1967, *Ann. Naturhistor. Mus. Wien*, **70** : 473; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, **64** : 152 (in part).

*Hydaticus rufulus* Aube, 1838, in Dejean’s, *Species Coleopteres*, **6** : 199 (T.L.—Java).

*Hydaticus confusus* Boheman, 1858, *Eugen. Ressiesa*. Col. p. 21 (T.L.—Manila).

*Distribution*—Indonesia; Vietnam; Philippines.

***Hydaticus* (Guignotites) *figuratus* Regimbart**

*Hydaticus figuratus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 318 (T.L.—Borneo—Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, **4** : 220.

*Distribution*—Indonesia.

***Hydaticus* (Guignotites) *fractifer* Walker**

*Hydaticus fractifer* Walker, 1858, *Ann. Mag. nat. Hist. Lond.*, (3) **2** : 204 (T.L.—Ceylon—Brit. Mus.); Balfour-Browne, 1939, *Ann. Mag. nat. Hist. Lond.*, (11) **3** : 112; Vazirani, 1969, *Orient. Ins.*, **2** : 264.

*Hydaticus bihamatus* var. 3 Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 657 (T.L.—Andaman Islands).

*Hydaticus pacificus* Zimmermann, 1920, *Coleopt. Cat.*, **4** : 223 (in part).

*Distribution*—India : Andaman Islands; Sri Lanka.

***Hydaticus* (Guignotites) *histrion* Clark**

*Hydaticus histrion* Clark, 1864, *Trans. ent. Soc. Lond.*, (3) **1** : 221 (T.L.—N. India); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 780; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 330; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 221; Vazirani, 1969, *Orient. Ins.*, **2** : 258.

*Hydaticus* (Guignotites) *histrion*; Gueorguiev, 1965, *Reichenbachia Mus. Tier Dresden*, **5**(11) : 115; 1967, *Ann. Naturhistor. Mus. Wien.*, **70** : 474; Guignot, 1954, *Bull. Mens. Soc. linn. Lyon.*, **27** : 11.

*Hydaticus rectangulus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 669 (T.L.—Persia, N. India etc.).

*Distribution*—India : Bihar, Himachal Pradesh, Punjab, Uttar Pradesh; Pakistan; Iran; Afghanistan; Saudi Arabia.

***Hydaticus* (Guignotites) *incertus* Regimbart**

*Hydaticus incertus* Regimbart, 1888, *Annali Mus. Stor. nat. Genova*, (2) **6** : 617 (T.L.—Burma—Genova Mus.); 1899, *Ann. Soc. ent. Fr.*, **68** : 326; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 221.

*Hydaticus fabricii* MacLeay, Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 663 (in part); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 324 (in part); Fernando, 1954, *Ceylon J. Sci. (Biol. Sci.)*, **4**(1) : 46, 53; Guignot, 1954, *Ark. zool.*, (N.S.) **6** : 567; Vazirani, 1968, *Orient. Ins.*, **1** : 110; 1969, *Orient. Ins.*, **2** : 266; *Spol. zel.*, **31** : 403; *Orient. Ins.*, **4** : 180; 1973, *Rec. zool. Surv. India*, **67** : 82; 1973, *Proc. zool. Soc. Calcutta*, **25** : 121; Chujo & Sato, 1961, *Nature and Life in S. E. Asia*, **1** : 304 (Thailand).

- \**Hydaticus martensi* Wewalka, 1972, *Koleopt. Rdsch.*, **50** : 115 (T.L.—Nepal : Kathmandu—Senkenberg Mus., Frankfurt a Main).  
*Distribution*—India : Sri Lanka; Burma; Thailand; Malaysia.

***Hydaticus* (Guignotites) *leechi* Sato**

- Hydaticus leechi* Sato, 1961, *Trans. Shikoku ent. Soc.*, **7** : 61 (T.L.—Borneo : Penagaronor—California Acad. Sci.); Vazirani, 1973, *Rec. zool. Surv. India*, **67** : 82.  
*Hydaticus leechi* f. *subrutilus* Sato, 1961, *Trans. Shikoku ent. Soc.*, **7** : 61 (T.L.—Borneo : Penagoran, ♀—California Acad. Sci.).  
*Hydaticus leechi* f. *interruptus* Regimbart, Sato, 1961, *Trans. Shikoku ent. Soc.*, **7** : 62 (no specimens examined by Sato).  
*Hydaticus leechi celebeseanus* Sato, 1961, *Trans. Shikoku ent. Soc.*, **7** : 62 (T.L.—Celebes : Tondano—California Acad. Sci.).  
*Hydaticus leechi celebeseanus* f. *insulans* Sato, 1961, *Trans. Shikoku ent. Soc.*, **7** : 62 (T.L.—Celebes : Tondano—California Acad. Sci.).  
*Hydaticus leechi celebeseanus* f. *brackeli* Sato, 1961, *Trans. Shikoku ent. Soc.*, **7** : 62 (T.L.—Celebes : Tondano—California Acad. Sci.).  
*Distribution*—Indonesia : Borneo, Celebes; India : Andaman Islands.

***Hydaticus* (Guignotites) *lenzi conjugens* Regimbart**

- Graphoderes vittatus lenzi* Schon Feldt, 1890, *Ent. Nachr.*, **22** : 169 (T.L.—Japan : Oshima).  
*Hydaticus vittatus* ab. *lenzi*; Zimmermann, 1920, *Coleopt. Cat.*, **7** : 228; Gschwendtner, 1937, *Koleopt. Rdsch.*, **23** (3) : 74.  
*Hydaticus lenzi*; Sato, 1961, *Trans. Shikoku ent. Soc.*, **7** : 59.  
*Hydaticus* (Guignotites) *lenzi*; Sato, 1961, *Akitu*, **10** : 8; Sato & Miyataka, 1964, Second Rep. Kyushu Univ. Expt. Yaeyama Group Ryukyus p. 137.  
*Hydaticus vittatus* var. *conjugens* Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 329 (T.L.—Sumatra, Java).  
*Hydaticus* (Guignotites) *lenzi conjugens*; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, **64** : 152.  
*Distribution*—Vietnam; Indonesia : Sumatra, Java.

***Hydaticus* (Guignotites) *litigiosus* Regimbart**

- Hydaticus litigiosus* Regimbart, 1880, *Notes Leyden Mus.*, **2** : 210 (T.L.—Sumatra : Macara Lavoe; Java—Leiden Mus.); 1899, *Ann. Soc. ent. Fr.*, **68** : 318; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 222; Vazirani, 1969, *Orient. Ins.*, **2** : 265.

\*Private communication from Dr. Wewalka, who has examined the type of *incertus* Reg.

*Hydaticus planatus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 317 (T.L.—Celebes : Borneo).

*Hydaticus planatus* var. *nubilus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, **6** : 317 (T.L.—Borneo).

*Distribution*—Indonesia : Sumatra, Java, Borneo; Burma.

***Hydaticus* (Guignotites) *luczonicus* Aube**

*Hydaticus luczonicus* Aube, 1838, in Dejean's *Species Coleopteres*, **6** : 179; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 657; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 314; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 222; Vazirani, 1968, *Orient. Ins.*, **1** : 110; 1969, *Orient. Ins.*, **2** : 262; 1970, *Rec. zool. Surv. India*, **62** : 46; 1973, *Rec. zool. Surv. India*, **67** : 300.

*Distribution*—India : Bihar, Gujarat, Madhya Pradesh, Maharashtra, Orissā, Rajasthan, Uttar Pradesh, W Bengal; Thailand.

***Hydaticus* (Guignotites) *macularis* Regimbart**

*Hydaticus macularis* Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 321 (T.L.—Palawan—Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, **4** : 222.

*Distribution*—Philippines.

***Hydaticus* (Guignotites) *nigritulus* Regimbart**

*Hydaticus nigritulus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 358 (T.L.—Borneo—Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, **4** : 222; Gschwendtner, 1936, *Rec. Indian Mus.*, **37** : 474.

*Distribution*—Indonesia.

***Hydaticus* (Guignotites) *pacificus* Aube**

*Hydaticus pacificus* Aube, 1838, in Dejean's *Species Coleopteres*, **6** : 177 (T.L.—Timor); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 314; 1902, *Ann. Soc. ent. Fr.*, **71** : 470; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 223 (in part); 1927, *Ark. zool.*, **19A**(13) : 6; Kamiya, 1938, *J. Tokyo Nogyo Daigaku*, **5** : 49; Balfour-Browne, 1939, *Ann. Mag. nat. Hist.*, (11) **3** : 112.

*Hydaticus bihamatus* var. *pacificus*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 657.

*Dytiscus ruficollis* Fabricius, 1787, *Mant. Ins.*, **1** : 189 (T.L.—Siam—Brit. Mus.) name preoccupied.

*Hydaticus pacificus* var. *latihamatus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 315 (T.L.—Borneo—Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, **4** : 223.

*Distribution*—Indonesia : Borneo, Timor; Japan; Thailand.

**Hydaticus (Guignotites) philippensis Wehncke**

*Hydaticus philippensis* Wehncke, 1876, *Stett. Ent. Zeit.*, 37 : 197; Regimbart, 1877, *Ann. Soc. ent. Fr.*, (5) 7 : 356; 1899, *Ann. Soc. ent. Fr.*, 68 : 330; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 782; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 223.

*Hydaticus duplex* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 669 (T.L.—Borneo).

*Distribution*—Philippines; Indonesia.

**Hydaticus (Guignotites) platteeuwi Severin**

*Hydaticus platteeuwi* Severin, 1890, *Ann. Soc. ent. Belg.*, 34 Bull. 4(12) : 97 (T.L.—Sumatra); Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 226; 1920, *Coleopt. Cat.*, 4 : 223.

*Distribution*—Indonesia : Sumatra.

**Hydaticus (Guignotites) ponticus Sharp**

*Hydaticus ponticus* Sharp, *Sci. Trans. R. Dublin Soc.*, 2 : 662 (T.L.—‘Mesopotamia’); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 325; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 224; Omer Cooper, 1954, *Bull. Soc. Fouád Ent.*, 38 : 273; Vazirani, 1969, *Orient. Ins.*, 2 : 269.

*Hydaticus (Guignotites) ponticus*; Guignot, 1959, *Bull. Soc. linn. Lyon*, 28 : 11.

*Distribution*—Iraq; Egypt; Pakistan.

**Hydaticus (Guignotites) reductus Regimbart**

*Hydaticus reductus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 357 (T.L.—Borneo—Paris Mus.).

*Hydaticus reductus*; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 224.

*Distribution*—Indonesia : Borneo.

**Hydaticus (Guignotites) rhantoides Sharp**

*Hydaticus rhantoides* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 664 (T.L.—Japan, Formosa, Manchuria, China); Guignot, 1954, *Ark. zool.*, (N.S.) 6 : 567; Gueorguiev, 1967, *Ann. Naturhistor. Mus. Wien.*, 70 : 473.

*Hydaticus fabricii* MacLeay, Feng, 1933, *Peking nat. Hist. Bull.*, 8 : 123 (China); Falkenstorm, 1936, *Lings. Sci. J.*, 15(2) : 236 (China); Kamiya, 1838, *J. Tokyo Nogyo Daigaku*, 5 : 46 (in part); Sato, 1961, *Akitu*, 10 : 10 (Japan); Sato & Miyatake, 1964, *Second Rep. Kyushu Univ. Expd.*, Yaeyama Gr. Ryukyus, p. 138.

*Hydaticus fengi* Falkenstrom, 1936, *Lingn. Sci. J.*, 15(2) : 236 (T.L.—China : Sze—Chwan).

*Distribution*—Japan; China : Manchuria; Formosa.

**Hydaticus (Guignotites) sellatus Regimbart**

*Hydaticus sellatus* Regimbart, 1883, *Notes Leyden Mus.*, 5 : 233 (T.L.—Celebes); 1892, *Annali. Mus. Stor. nat. Genova*, (2) 11 : 993; 1899, *Ann. Soc. ent. Fr.*, 68 : 326; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 224.

*Hydaticus sellatus* var. *ephippiger* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 326 (T.L.—New Guinea); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 224.

*Distribution*—Indonesia : Celebes; New Guinea.

**Hydaticus (Guignotites) sexguttatus Regimbart**

*Hydaticus sexguttatus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 323, (T.L.—Java, Sumatra, Bangkok); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 225.

*Distribution*—Indonesia; Thailand.

**Hydaticus (Guignotites) sharpi Vazirani**

*Hydaticus sharpi* Vazirani, 1969, *Orient. Ins.*, 2 : 264 (T.L.—Orissa, Tangana hills, Balasore Dist.—Z.S.I.).

*Distribution*—India : Orissa.

**Hydaticus (Guignotites) vittatus (Fabricius)**

*Dytiscus vittatus* Fabricius, 1775, *Syst. ent. App.* : 825 (T.L.—India—in Hunter Colln. Glasgow Univ.).

*Hydaticus vittatus*; Aube, 1838, in Dejean's *Species Coleopteres*, 6 : 208; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 670; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 328; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 228; Staig, 1931, *The Fabrician Types of Insects. Coleoptera*, pt. 1, Cambridge p. 37; Feng, 1933, *Peking nat. Hist. Bull.*, 8(2) : 124; Kamiya, 1938, *J. Tokyo Nogyo Daigaku*, 5 : 51 (in part); Vazirani, 1953, *Rec. Indian Mus.*, 50 : 426; 1968, *Orient. Ins.*, 1 : 109; 1969, *Orient. Ins.*, 2 : 260; 1969, *Spolia zeylan.*, 31 : 403; 1973, *Rec. zool. Surv. India*, 67 : 299; 1973, *Proc. zool. Soc. Calcutta*, 25 : 121; Sato, 1961, *Trans. Shikoku ent. Soc.*, 7 : 55; Fernando, 1963, *Bull. Fish. Res. Stn. Ceylon*, 16 : 26; 1964, *Bull. natn. Mus. Singapore*, 32 : 1; Wewalka, 1972, *Koleopt. Rdsch.*, 50 : 116.

*Hydaticus vittatus* var. *major* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 328 (T.L.—Burma; Yunnan); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 228; Feng, 1932, *Peking nat. Hist. Bull.*, 7 : 33; Guignot, 1954, *Ark. zool.*, (N.S.) 6 : 566; Sato, 1961, *Trans. Shikoku ent. Soc.*, 7 : 57.

*Hydaticus vittatus* var. *angustulus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 329 (T.L.—'Ceylon'—Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 228.

*Hydaticus vittatus angustulus*; Sato, 1961, *Trans. Shikoku ent. Soc.*, 7 : 57.

*Hydaticus vittatus* var. *conjungens* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 329, (T.L.—Java, Sumatra).

*Hydaticus lenzi conjungens*; Sato, 1961, *Trans. Shikoku ent. Soc.*, 7 : 59.

*Hydaticus lenzi conjungens* f. *basinotatus* Regimbart, Sato, 1961, *Trans. Shikoku ent. Soc.*, 7 : 60.

*Hydaticus lenzi nepalensis* Sato, 1961, *Trans. Shikoku ent. Soc.*, 7 : 60 (vide Wewalka, 1972, *Koleopt. Rdsch.*, 50 : 116).

*Hydaticus lenzi nepalensis* f. *brackeli* Sato, 1961, *Trans. Shikoku ent. Soc.* 7 : 62 (Syn. n.).

*Distribution*—India; Burma; Pakistan; Sri Lanka; Nepal; Bangla Desh; China; Formosa; Japan; Indonesia : Java, Sumatra.

#### Genus *Pleurodytes* Regimbart

Type of genus—*Hydaticus dineutoides* Sharp (by original designation).

*Pleurodytes* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 332; Vazirani, 1969, *Ann. Soc. ent. Fr.*, (N.S.) 5 : 137.

#### *Pleurodytes dineutoides* (Sharp)

*Hydaticus dineutoides* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 657 (T.L.—Borneo : Sarawak—♀ Genova Mus.).

*Pleurodytes dineutoides*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 332; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 228; 1920, *Coleopt. Cat.*, 4 : 228; Vazirani, 1969, *Ann. Soc. ent. Fr.*, (N.S.) 5 : 138.

*Distribution*—Indonesia.

#### *Pleurodytes epipleuricus* (Regimbart)

*Hydaticus epipleuricus* Regimbart, 1891, *Annali Mus. Stor. nat. Genova*, (2) 10 : 545 (T.L.—Tenasserim : Malewan—Paris Mus.).

*Pleurodytes dineutoides* var. *epipleuricus*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 332; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 228; 1920, *Coleopt. Cat.*, 4 : 228; Vazirani, 1969, *Ann. Soc. ent. Fr.*, (N.S.) 5 : 140.

*Distribution*—Burma : Tenasserim.

#### Tribe Thermonectini

Thermonectini—Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 672, 940; Regimbart, 1895, *Mem. Soc. ent. Belg.*, 4 : 4; Zimmermann, 1919, *Arch. Naturgesch.*, 83A(12) : 224, 228; Guignot, 1961, *Ann. Mus. R. Congo belge*, (8) 90 : 842.

#### Genus *Rhantaticus* Sharp

Type of genus—*Hydaticus congestus* Klug (by monotypy).

*Rhantaticus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 691, 911; Zimmermann & Gschwendtner, 1937, *Koleopt. Rdsch.*, 23 : 96; Guignot, 1961, *Ann. Mus. R. Congo belge*, (8) 90 : 842.

#### *Rhantaticus congestus* (Klug)

*Hydaticus congestus* Klug, 1832, *Symb. Physicae, Insectes Madagascar*, 3 : 136 (T.L.—Madagascar); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 779; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 340; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 233; Csiki, 1938, *Arch. Hydrobiol.*, (Suppl.) 15 : 129; Kamiya, 1938, *J. Tokyo Nogyo Daigaku*, 5 : 54; Guignot, 1961, *Ann. Mus. R. Congo belge*, (8) 90 : 943; Vazirani, 1969, *Orient. Ins.*, 2 : 270; 1970, *Rec. zool. Surv. India*, 62 : 47; Tonapi & Ozarkar, 1969, *J. Bombay nat. Hist. Soc.*, 66(2) : 313; Wewalka, 1972, *Koleopt. Rdsch.*, 50 : 115.

*Hydaticus signatipennis* Castelnau, 1834, *Etud. Ent.*, : 238;

*Rhantaticus signatipennis*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 691; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 340.

*Hydaticus rochazi* Montrouze, 1864, *Ann. Soc. linn. Lyon*, 10 : 81.

*Rhantaticus congestus* var. *rochazi*; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 333.

*Distribution*—India : Andhra Pradesh, Bihar, Orissa, Rajasthan, Maharashtra, W. Bengal; Nepal; Formosa; Philippines; New Guinea; Australia; Madagascar; Africa.

#### Genus *Sandracottus* Sharp

Type of genus—*Acilius mixtus* Blanch. (*fasciatus* Fabricius) (vide J. Balfour-Browne, 1944, *Ann. Mag. nat. Hist.*, 11 : 355).

*Sandracottus*—Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 685, 910.

#### *Sandracottus bizonatus* Regimbart

*Sandracottus bizonatus* Regimbart 1899, *Ann. Soc. ent. Fr.*, 68 : 336 (T.L.—Borneo—Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 234.

*Distribution*—Indonesia.

#### *Sandracottus dejeani* (Aube)

*Hydaticus dejeani* Aube, 1838, in Dejean's *Species Coleopteres*, 6 : 165 (T.L.—India).

*Sandracottus dejeani*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 686, Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 335; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 234; Guignot, 1954, *Bull. Mens. Soc. linn. Lyon*, 27 : 11; Vazirani, 1968, *Orient. Ins.*, 1 : 110; 1969, *Orient. Ins.*, 2 : 275; 1970, *Rec. zool. Surv. India*, 62 : 47; 1973, *Rec. zool. Surv. India*, 67 : 300.

*Distribution*—India : Andhra Pradesh, Bihar, Madhya Pradesh, Orissa, Gujarat, Rajasthan, Uttar Pradesh, Tamil Nadu; Pakistan.

**Sandracottus chevrolati (Aube)**

*Hydaticus chevrolati* Aube, 1838, in Dejean's *Species Coleopteres*, 6 : 164 (T.L.—Timor).

*Sandracottus chevrolati*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 686; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 334; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 234.

*Distribution*—Indonesia : Timor, Sumbawa.

**Sandracottus festivus (Illiger)**

*Dytiscus festivus* Illiger, 1802, *Magazin Insectenkunde*, 1 : 166 (T.L.—India); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 686; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 334; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 234; Feng, 1933, *Peking nat. Hist. Bull.*, 8 : 127; Vazirani, 1969, *Orient. Ins.*, 2 : 273.

*Distribution*—India : Andhra Pradesh, Bihar, Orissa, Punjab, Tamil Nadu; Pakistan; Sri Lanka; China.

**Sandracottus insignis (Wehncke)**

*Hydaticus insignis* Wehncke, 1876, *Stett. Ent. Zeit.*, 37 : 194 (T.L.—Philippines).

*Sandracottus insignis*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 687; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 234.

*Hydaticus baeri* Regimbart, 1877, *Ann. Soc. ent. Fr.*, (5) 7 : 355 (T.L.—Philippines).

*Sandracottus baeri*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 779; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 338.

*Distribution*—Philippines.

**Sandracottus insignis ornatus Sharp**

*Sandracottus ornatus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 689 (T.L.—Borneo).

*Sandracottus baeri* var. *ornatus*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 338.

*Sandracottus insignis* var. *ornatus*; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 234.

*Distribution*—Indonesia : Borneo.

**Sandracottus maculatus (Wehncke)**

*Hydaticus maculatus* Wehncke, 1876, *Stett. Ent. Zeit.*, 37 : 194 (T.L.—Java).

*Sandracottus maculatus*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 690; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 338; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 235.

*Distribution*—Indonesia : Java; Malaysia.

#### *Sandracottus manipurensis* Vazirani

*Sandracottus manipurensis* Vazirani, 1969, *Orient. Ins.*, 2 : 277; (T.L.—Manipur : Phaiphenigaum—Z.S.I.).

*Distribution*—India : Manipur.

#### *Sandracottus mixtus* (Blanchard)

*Acilius mixtus* Blanchard, 1853, *Voy. Pol. Sud.*, 4 : 47 (T.L.—Java).

*Sandracottus mixtus*; Balfour-Browne, 1944, *Ann. Mag. nat. Hist.*, (11) 11 : 355; Vazirani, 1969, *Orient. Ins.*, 2 : 272.

*Dytiscus fasciatus* Fabricius, 1775, *Syst. ent. App.*, : 825 (T.L.—India—Glasgow Univ.) (name preoccupied); 1781, *Species Insectorum*, 1 : 293; 1787, *Mant. Ins.*, 1 : 190; 1792, *Ent. Syst.*, 1 : 189; 1801, *Syst. Eleuth.*, 1 : 261; Olivier, 1795, *Ent.*, 3 (40) : 18; Aube, 1838, in Dejean's *Species Coleopteres*, 6 : 161.

*Sandracottus fasciatus*; Regimbart, 1888, *Annali. Mus. Stor. nat. Genova*, (2) 6 : 618.

*Sandracottus fasciatus*; Regimbart, 1899, *Ann. Soc. ent. Fr.* 68 : 333; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 234; Staig, 1931, *The Fabrician Types of Insects*, Cambridge, pt. 1 : 38.

*Dytiscus hunteri* Crotch 1872, *Cat. Brit. Coleoptera*, 9 : 205 (T.L.—China).

*Sandracottus hunteri*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 685.

*Sandracottus fasciatus* var. *hunteri*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 333; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 234; Feng, 1933, *Peking nat. Hist. Bull.*, 8(2) : 127.

*Sandracottus fasciatus* var. *crucialis* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 333 (T.L.—'Indochina' : Cochinchina, Tonkin; Burma : Mt. Catcin).

*Sandracottus fasciatus* ab. *crucialis*; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 234; 1927, *Ark. zool.*, 19A(13) : 6 (Sumatra).

*Sandracottus mixtus* var. *crucialis*; Guignot, 1954, *Ark. zool.*, (N.S.) 6 : 567 (Burma).

*Sandracottus cruciatus* Jacobson, 1908, *Kaf. Rubl.*, : 434.

*Distribution*—India : Tamil Nadu, Nagaland, W Bengal; Burma; China; Indonesia; Vietnam; 'Indochina'

**Sandracottus nauticus Sharp**

*Sandracottus nauticus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 690 (T.L.—Borneo); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 339; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 235.

*Distribution*—Indonesia : Borneo, Sumatra.

**Sandracottus whenckeii Balfour-Browne**

*Hydaticus maculatus* Wehncke, 1876, *Stett. Ent. Zeit.*, **37** : 194 (T.L.—Java) (name preoccupied).

*Sandracottus maculatus*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 690; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 338; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 235; Gschwendtner, 1936, *Rec. Indian Mus.*, **37** : 374.

*Sandracottus wehnckeii* Balfour-Browne, 1944, *Ann. Mag. nat. Hist.*, (11) **11** : 355 (nom. nov.); Vazirani, 1969, *Orient. Ins.*, **2** : 277.

*Distribution*—India : Assam; Indonesia : Java; Malaysia.

**Tribe Cybisterini**

Cybisterini—Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 700, 941; Guignot, 1961, *Ann. Mus. R. Congo belge*, (8) **90** : 861.

**Genus Cybister Curtis**

Type of genus—*Dytiscus lateralimarginalis* De Geer, (by original designation).

*Cybister* Curtis, 1827, *Brit. Ent.*, **4** : 151; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 714, 918; Guignot, 1932, *Hydrocanthares France*, : 732; 1961, *Ann. Mus. R. Congo belge*, (8) **90** : 864; Zimmermann & Gschwendtner, 1938, *Koleopt. Rdsch.*, **24** : 24; Brinck, 1945, *Kungl. Eys. Salls. Hand.*, **56** : 9.

*Trogus* Leach, 1817, *Zool. Miscell.*, **3** : 70, 73 (name preoccupied).

*Cybisheter* Bedel, 1881, *Fauna Col. Bass. Seine*, **1** : 255.

**Cybister (s.str.) japonicus Sharp**

*Cybister japonicus* Sharp, 1873, *Trans. R. ent. Soc. Lond.*, 1873 : 45 (T.L.—Japan); 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 748; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 348; Zaitzev, 1908, *Rev. Rusee d'Ent.*, **8** : 65; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 260; Feng, 1933, *Peking nat. Hist. Bull.*, **8**(2) : 131; Kamiya, 1938, *J. Tokyo Nogyo Daigaku*, **5** : 58.

*Distribution*—Japan; Formosa; Korea; China.

**\*Cybister (s.str.) lateralimarginalis (De Geer)**

*Dytiscus lateralimarginalis* De Geer, 1774, *Mem. Hist. Ins.*, 4 : 396 (T.L.—Sweden—Riks mus. Stockholm).

*Cybister lateralimarginalis*; Seidlitz, 1887, *Verh. naturf. Ver. Brunn.*, 25 : 112; Balfour-Browne, 1950, *Brit. Water Beetles*, 2 : 288; Omer-Cooper, 1954, *Bull. Soc. Fouad Ent.*, 38 : 271; Vazirani, 1969, *Orient. Ins.*, 2 : 281.

*Cybister (s.str.) lateralimarginalis* ab. *lepidus* Apetz, Guignot, 1954, *Opusc. Ent.*, Lund, 19 : 223; 1961, *Ann. Mus. R. Congo belge*, (8) 90 : 919.

*Cybister (s.str.) lateralimarginalis*; Sato, 1966, *Res. Kyoto Univ. Sci. Expt. Karakoram & Hindukush*, 1955, 8 : 285; Gueorguiev, 1963, *Opusc. ent.*, Lund, 28 : 222; 1965, *Reichenbachia*, 7(15) : 134.

*Distribution*—India : Kashmir; Palaearctic Region : N. Africa; Egypt; Afghanistan; Mongolia.

**Cybister (Melanectes) Brinck**

Type of subgenus—*Cybister hova* Castelnau (by original designation).

*Cybister (Melanectes)* Brinck, 1945, *Klungl. Fys. Salls. Handl.*, 56 : 11; Guignot, 1961, *Ann. Mus. R. Congo belge*, (8) 90 : 866.

**Cybister (Melanectes) aterrimus Regimbart**

*Cybister aterrimus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 354 (T.L.—Borneo—Paris Mus.); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 258.

*Distribution*—Indonesia : Borneo.

**Cybister (Melanectes) cardoni Severin**

*Cybister cardoni* Severin, 1890, *Ann. Soc. ent. Belg.*, 34 *Bull.* 4(12) : 193 (T.L.—Bihar : Konbira); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 353; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 258; Vazirani, 1969, *Orient. Ins.*, 2 : 288.

*Distribution*—India : Bihar; Pakistan; Sri Lanka; Burma.

**Cybister (Melanectes) convexus Sharp**

*Cybister convexus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 718 (T.L.—‘East India’—Brit. Mus.); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 353; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 258; Feng, 1933, *Peking nat. Hist. Bull.*, 8(2) : 131; Vazirani, 1969, *Orient. Ins.*, 2 : 284.

*Distribution*—India : Assam, Manipur, W Bengal; China : Yunnan.

\*Refer to Guignot, 1961 for detailed bibliography of this species.

**Cybister (Melanectes) dehaani Aube**

*Cybister dehaani* Aube, 1838, in Dejean's *Species Coleopteres*, 6 : 101 (T.L.—Java); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 726; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 356; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 259; Vazirani, 1969, *Orient. Ins.*, 2 : 286.

*Cybister dehaani* var. *attenuatus* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 357 (T.L.—Celebes); Zimmermann, 1920, *Coleopt. Cat.*, 4 : 259.

*Distribution*—India : W Bengal; Indonesia.

**Cybister (Melanectes) nigripes Wehncke**

*Cybister nigripes* Wehncke, 1876, *Stett. ent. Zeit.*, 37 : 358 (T.L.—Borneo : Pontianak); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 717; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 354; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 263.

*Distribution*—Indonesia.

**Cybister (Melanectes) posticus Aube**

*Cybister posticus* Aube, 1838, in Dejean's *Species Coleopteres*, 6 : (87 T.L.—'East India'); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 718; Regimbart, 1899, *Ann. Soc. ent. Fr.* 68 : 353; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 264; Vazirani, 1968, *Orient. Ins.*, 1 : 111; 1969, *Orient. Ins.*, 2 : 284.

*Distribution*—India : Assam, Manipur, Maharashtra, W. Bengal; Bangla Desh.

**Cybister (Melanectes) prolixus Sharp**

*Cybister prolixus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 718 (T.L.—'Ceylon'—Brit. Mus.); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 356; Zimmermann, 1919, *Arch. Naturgesch.*, 83A (12) : 237; Brinck, 1945, *K. Fysiogr. Sallask. Hadl.*, 86 : 1; Fernando, 1969, *Bull. Fish Res. Stn. Ceylon*, 20 : 21.

*Cybister sugillatus* var. *prolixus*; Zimmermann, 1920, *Coleopt. Cat.* 4 : 265.

*Cybister sugillatus*; Vazirani, 1969, *Orient. Ins.*, 2 : 281 (in part); 1969, *Spolia zeylan.*, 32 : 403; Fernando & Ellepola, 1969, *Bull. Fish. Res. Stn. Ceylon*, 20 : 11.

*Distribution*—Sri Lanka

**Cybister (Melanectes) siamensis Sharp**

*Cybister siamensis* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 717; (T.L.—'Siam' : Bangkok; Andaman Islands); Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 354; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 264; 1927, *Ark. zool.*, 19A (13) : 6.

*Distribution*—India : Andaman Islands; Thailand, Indonesia.

**Cybister (Melanectes) sugillatus** Erichson

*Cybister sugillatus* Erichson, 1834, *Nova Acta Leop. Carol.*, **16** : 227 (T.L.—China); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 717; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 355, Zimmermann, 1919, *Arch. Naturgesch.*, **83A** (12) : 237, 1920, *Coleopt. Cat.*, **4** : 265; Feng, 1933, *Peking nat. Hist. Bull.*, **8**(2) : 132, Kamiya, 1938, *J. Tokyo Nogyo Daigaku*, **5** : 59; Vazirani, 1968, *Orient. Ins.*, **1** : 111, 1969, *Orient. Ins.*, **2** : 181 (in part); 1973, *Proc. zool. Soc. Calcutta*, **25** : 121.

*Distribution*—India : Assam, Madhya Pradesh, Uttar Pradesh, Orissa, Tamil Nadu, W. Bengal, Maharashtra, Manipur, Sikkim, China : Tibet; Japan; Indonesia; Philippines.

**Cybister (Melanectes) sumatrensis** Regimbart

*Cybister sumatrensis* Regimbart, 1883, *Notes Leyden Mus.*, **5** : 233 (T.L.—Sumatra : Palembang—Leiden Mus.); 1899, *Ann. Soc. ent. Fr.*, **68** : 356; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 265; 1927, *Ark. zool.*, **19A**(13) : 6.

*Distribution*—Indonesia.

**Cybister (Meganectes) Brinck**

Type of subgenus—*Cybister dejeani* Aube (by original designation)

*Cybister (Meganectes)* Brinck, 1945, *K. Fys. Sallsk. Handl.*, **56** : 11; Guignot, 1961, *Ann. Mus. R. Congo belge*, (8) **90** : 897.

*Cybister (Megadytoides)* Brinck, 1945, *ibid*, **56** : 11.

*Cybister (Nealocomerus)* Brinck, 1945, *ibid*, **56** : 11.

*Cybister (Gschwendtnerhydrus)* Brinck, 1945, *ibid*, **56** : 11.

*Cybister (Alocomerus)* Brinck, 1945, *ibid*, **56** : 11.

**Cybister (Meganectes) cognatus** Sharp

*Cybister cognatus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 744 (T.L.—Java); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 344; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 258; Vazirani, 1969, *Orient. Ins.*, **2** : 298.

*Distribution*—India : Bihar, W Bengal, Maharashtra, Goa; Indonesia.

**Cybister (Meganectes) concessor** Guignot

*Cybister indicus* Gschwendtner, 1931, *Ent. Blatt.*, **23** : 100 (T.L.—Madras name preoccupied).

*Cybister concessor* Guignot, 1947, *Bull. Ann. Soc. ent. Be'g.*, **83** : 224 (nom. nov.); Vazirani, 1969, *Orient. Ins.*, **2** : 289.

*Distribution*—India : Tamil Nadu.

**Cybister (Meganectes) confusus Sharp**

*Cybister confusus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **68** : 739 (T.L.—India; Sri Lanka); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 341; Lefroy, 1909, *Indian Insect Life* : 275; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 258; Fernando, 1961, *Ceylon J. Sci. (Bio. Sci.)*, **4**(1) : 46; Vazirani, 1969, *Orient Ins.*, **2** : 295; Tonapi & Ogarkar, 1969, *J. Bombay nat. Hist. Soc.*, **66** : 310.

*Distribution*—India : Bihar, Manipur, Karnataka, Maharashtra, Orissa; Pakistan; Sri Lanka.

**Cybister (Meganectes) dejeani Aube**

*Cybister dejeani* Aube, 1838, in Dejean's *Species Coleopteres*, **6** : 64 (T.L.—Malabar); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 771; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 349 (in part); Zimmermann, 1920, *Coleopt. Cat.*, **4** : 259 (in part); Vazirani, 1969, *Orient. Ins.*, **2** : 288 (in part).

*Distribution*—India Kerala.

**Cybister (Meganectes) extenuans Walker**

*Cybister extenuans* Walker, 1858, *Ann. Mag. nat. Hist.*, (3) **2** : 204 (T.L.—Ceylon—Brit. Mus.).

*Cybister wehnckianus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.* **2** : 737 (T.L.—'India'); 1890, *Trans. Ent. Soc. Lond.*, 1890 348 (Ceylon—Brit. Mus.).

*Distribution*—Sri Lanka.

**Cybister (Meganectes) fumatus Sharp**

*Cybister fumatus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 731 (T.L.—'Siam'); Regimbart, 1889, *Ann. Soc. ent. Fr.*, (6) **9** : 155; 1899, *Ann. Soc. ent. Fr.*, **68** : 350; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 260.

*Distribution*—Thailand; Indonesia : Java; Laos; Vietnam.

**Cybister (Meganectes) gracilis Sharp**

*Cybister gracilis* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 742 (T.L.—India—Brit. Mus.).

*Cybister ventralis* Vazirani nec Sharp, 1969, *Orient. Ins.*, **2** : 296 (in part—examples from Sikkim).

*Distribution*—India : Sikkim.

**Cybister (Meganectes) guerini Aube**

*Cybister guerini*, Aube, 1838, in Dejean's *Species Coleopteres*, **6** : 57 (T.L.—Java); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 740; Severin, 1890, *Ann. Soc. ent. Belg.*, 34 *Bull.* **4**(12) : 98; Regimbart, 1899, *Ann. Soc. ent.*

*Fr.*, 68 : 342; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 260; Feng, 1933, *Peking nat. Hist. Bull.*, 8(2) : 131; Vazirani, 1969, *Orient. Ins.*, 2 : 292.

*Distribution*—India : W Bengal; Thailand; Burma, Vietnam, Laos; Indonesia; China.

#### **Cybister (Meganectes) javanus Aube**

*Cybister javanus* Aube, 1838, in Dejeans's *Species Coleopteres*, 6 : 59 (T.L.—Java); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 743, Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 343; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 260; Vazirani, 1969, *Orient. Ins.*, 2 : 299.

*Distribution*—India Bihar, Orissa, W Bengal, Tamil Nadu, Kerala; Sri Lanka; Indonesia Java.

#### **Cybister (Meganectes) lewisianus Sharp**

*Cybister lewisianus* Sharp, 1873, *Trans. ent. Soc. Lond.*, 1873 : 46 (T.L.—Japan Mino nr. Osaka—Brit. Mus.); 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 732; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 350; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 263, Feng, 1933, *Peking nat. Hist. Bull.*, 8(2) : 132; Kamiya, 1938, *J. Tokyo Nogyo Daigaku*, 5 : 59.

*Distribution*—Japan; China; Indonesia; India : Assam ?

#### **Cybister (Meganectes) limbatus (Fabricius)**

*Dytiscus limbatus* Fabricius, 1775, *Systema Ent.*, : 230 (T.L.—China); 1781, *Species Ins.*, 1 : 292; 1787, *Mant. Ins.*, 1 : 189; 1792, *Ent. Syst.*, 1 : 188; 1801, *Syst. Eleuth.*, 1 : 258.

*Cybister limbatus*; Aube, 1838, in Dejean's *Species Coleopteres*, 6 : 55; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 739; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 342; Zimmermann, 1919, *Ent. Mitt.*, 8 : 77; 1920, *Coleopt. Cat.*, 4 : 263; Feng, *Peking nat. Hist. Bull.*, 8(2) : 132; Kamiya, 1938, *J. Tokyo Nogyo Daigaku*, 5 : 59; Sato & Miyatake, 1964, *Second Rep. Kyushu Univ. Yaeyama Group Ryukyus*, : 139; Vazirani, 1968, *Orient. Ins.*, 1 : 111; 1969, *Orient. Ins.*, 2 : 294; 1971, *Orient. Ins.*, 4 : 446; Tonapi & Ozarkar, 1969, *J. Bombay nat. Hist. Soc.*, 66 : 310.

*Cybister (Meganectes) limbatus*; Sato, 1972, *Ann. Hist. nat. Mus. natn. Hung.*, 64 : 152.

*Distribution*—India : Bihar, Kerala, Madhya Pradesh, Maharashtra, Goa, Orissa, Arunachal Pradesh, W Bengal; Pakistan; China, Japan, Formosa; Vietnam; Philippines.

#### **Cybister (Meganectes) pectoralis Sharp**

*Cybister pectoralis* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 736 (T.L.—

India : Deccan—Brit. Mus.); Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 348.  
*Cybister rugulosus*; Vazirani, 1969, *Orient. Ins.*, **2** : 286 (in part).

*Distribution*—India : Andhra Pradesh, Bihar, Madhya Pradesh, Maharashtra, W Bengal.

***Cybister (Meganectes) rugosus* M'Leay**

*Trochalus rugosus* Mac Leay, 1833, *Annulosa Javanica*, : 136.

*Cybister rugosus*; Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 745; Severin, 1890, *Ann. Soc. ent. Belg.*, **34 Bull.** 4(12) : 98; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 347; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 264.

*Cybister indicus* Aube, 1838, in Dejean's *Species Coleopteres*, **6** : 62.

*Distribution*—Thailand; Indonesia; Cambodia; Vietnam.

***Cybister (Meganectes) rugulosus* Redtenbacher**

*Cybister rugulosus* Redtenbacher, 1844, in Hugel's *Kaschmir*, **4(2)** : 502 (T.L.—Kashmir); Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 825; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 348; Vazirani, 1969, *Orient. Ins.*, **2** : 268 (in part).

*Distribution*—India : Kashmir.

***Cybister (Meganectes) tripunctatus asiaticus* Sharp**

*Cybister asiaticus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 731 (T.L.—India—Brit. Mus.).

*Cybister tripunctatus asiaticus*; Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 352; Zimmermann, 1920, *Coleopt. Cat.*, **4** : 266; Gschwendtner, 1923, *Arch. Naturgesch.*, **89** (7-8) : 108; Balfour-Browne, 1945, *Occ. Pap. Bishop Mus.*, **18(7)** : 121; Guignot, 1954, *Opusc ent.*, Lund, **19** : 223; Vazirani, 1953, *Rec. Indian Mus.*, **50** : 426; 1968, *Orient. Ins.*, **1** : 110; 1969, *Orient. Ins.*, **2** : 290; 1970, *Orient. Ins.*, **4** : 180; 1970, *Rec. zool. Surv. India*, **62** : 48; 1973, *Rec. zool. Surv. India*, **67** : 85, 301; 1973, *Proc. zool. Soc. Calcutta*, **25** : 121.

*Cybister tripunctatus* var. *similis* Regimbart, 1899, *Ann. Soc. ent. Fr.*, **68** : 352 (T.L.—India).

*Cybister (Gschwendtnerhydrus) tripunctatus asiaticus*; Sato, 1972, *Ent. Rev. Japan*, **24** : 50.

*Distribution*—India : Andaman Islands; Pakistan; Sri Lanka; Burma; Nepal; Bangla Desh; Afghanistan.

***Cybister (Meganectes) ventralis* Sharp**

*Cybister ventralis* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, **2** : 742 (T.L.—

Madras—Brit. Mus.); 1890, *Trans. ent. Soc. Lond.*, 1890 : 347; Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 345; 1902, *Ann. Soc. ent. Fr.*, 71 : 470; Zimmermann, 1920, *Coleopt. Cat.*, 4 : 266 (in part); Vazirani, 1968, *Orient. Ins.*, 1 : 111; 1969, *Orient. Ins.*, 2 : 296 (in part).

*Cybister (Meganectes) ventralis*; Sato, 1972, *Ann. hist-nat. Mus. natn. Hung.*, 64 : 153.

*Cybister crassus* Sharp, 1882, *Sci. Trans. R. Dublin Soc.*, 2 : 743 (T.L.—Sylhet : Brit. Mus.).

*Distribution*—India : Assam, Bihar, Madhya Pradesh, Maharashtra, Karnataka, W. Bengal; Bangla Desh.

## ADDENDA

### Subfamily *NOTERINAE*

#### **Hydrocoptus (Neohydrocoptus) bivittis** Motschulsky

VAZIRANI, 1975, *Bull. Indian Mus.*, 7 (1) : 16.

Assam : Chabua.

#### **Hydrocoptus (s.str.) subvittulus** Motschulsky

VAZIRANI, 1975, *Newsl. zool. Surv. India*, 1 (2) : 20; 1975, *Bull. Indian Mus.*, 7 (1) : 16.

Tamil Nadu, New Delhi, Assam, West Bengal; Bangla Desh.

#### **Canthydrus laetabilis** (Walker)

VAZIRANI, 1975, *Bull. Indian Mus.*, 7 (1) : 16.

Maharashtra, Assam (Chabua, Tinsukia), West Bengal, New Delhi.

#### **Canthydrus luctuosus** (Aube)

WEWALKA, 1975, *Bull. Fish. Res. Stn. Sri Lanka*, 24 (122) : 84; Vazirani, 1975, *Bull. Indian Mus.*, 7 (1) : 16.

Kerala, Maharashtra; Sri Lanka.

#### **Canthydrus morsbachi** (Wehncke)

VAZIRANI, 1975, *Newsl. zool. Surv. India*, 1 (2) : 20; 1975, *Bull. Indian Mus.*, 7 (1) : 16.

Maharashtra, Tamil Nadu (Kārikal).

#### **Canthydrus ritsemai** (Regimbart)

VAZIRANI, 1975, *Bull. Indian Mus.*, 7 (1) : 16.

Assam (Chabua); Java.

### Subfamily *LACCOPHILINAE*

#### **Laccophilus anticatus** Sharp

VAZIRANI, 1975, *Bull. Indian Mus.*, 7 (1) : 17.

New Delhi.

#### **Laccophilus basalis** Motschulsky

VAZIRANI, 1975, *Bull. Indian Mus.*, 7 (1) : 17.

Punjab, Uttar Pradesh.

#### **Laccophilus flexuosus** Aube

VAZIRANI, 1975, *Bull. Indian Mus.*, 7 (1) : 17; 1976, *Newsl. zool. Surv. India*, 2 (2) : 67.

New Delhi.

**Laccophilus inefficiens** Walker

*Laccophilus inefficiens*; Wewalka, 1975, *Entomologica Basiliensia*, **1** : 151.  
Bhutan.

*Laccophilus chinensis inefficiens*; Wewalka, 1973, *Bull. fish. Res. Stn., Sri Lanka* (Ceylon), **24** : 84; Vazirani, 1975, *Bull. Indian Mus.*, **7** (1) : 17.

**Laccophilus parvulus** Aube

VAZIRANI, 1975, *Newsl. zool. Surv. India*, **1** (2) : 20; 1975 *Bull. Indian Mus.*, **7** (1) : 17; 1976, *Newsl. zool. Surv. India*, **2** (2) : 65.  
New Delhi, Assam, Tamil Nadu (Karikal), Uttar Pradesh.

**Laccophilus rufulus** Regimbart

VAZIRANI, 1975, *Bull. Indian Mus.*, **7** (1) : 17.  
New Delhi.

**Laccophilus sharpi** Regimbart

VAZIRANI, 1975, *Newsl. zool. Surv. India*, **1** (2) : 20; 1975, *Bull. Indian Mus.*, **7** (1) : 17, 1976, *Newsl. zool. Surv. India*, **2** (2) : 67.  
New Delhi, West Bengal.

**Laccophilus wewalki** Vazirani

VAZIRANI, 1974, *Oriental Ins.*, **8** (4) : 487 (T.L.—Goa : Margoa—Z.S.I., Calcutta).  
*Distribution*—India : Goa.

**Neptosternus rajasthanicus** Vazirani

VAZIRANI, 1975, *Geobios*, **2** : 160 (T.L.—Rajasthan Ajmer Dist. 15 KM North-East of Nasirabad—Z.S.I. Calcutta).  
*Distribution*—India : Rajasthan.

**Neptosternus starmuhlneri** Wewalka

WEWALKA, 1975, *Bull. Fish. Res. Stn. Sri Lanka*, **24** (1 & 2) : 84; (T.L.—Sri Lanka : Ratnapura, Kalu-Ganga near Malwala-Wewalka Colln, Austria).  
*Distribution*—Sri Lanka.

**Neptosternus taprobanicus** Sharp

WEWALKA, 1975, *Bull. Fish. Res. Stn. Sri Lanka*, **24** (1 & 2) : 86.  
Sri Lanka.

Subfamily *HYDROPORINAE***Hyphydrus (Apriophorus) flavicans** Regimbart

VAZIRANI, 1975, *Newsl. zool. Surv. India*, **1** (2) : 21; 1975, *Bull. Indian Mus.*,

7 (1) : 17; 1976, *Newsl. zool. Surv. India*, 2 (2) : 65.  
New Delhi, Punjab, Uttar Pradesh.

**Hyphydrus renardi** Severin

WEWALKA, 1975, *Entomologica Basiliensia*, 1 : 153; Vazirani, 1976, *Newsl. zool. Surv. India*, 2 (2) : 67.  
Bhutan.

**Hydrovatus acuminatus** Motschulsky

VAZIRANI, 1975, *Bull. Indian Mus.*, 7 (1) : 17.  
New Delhi, West Bengal, Assam.

**Hydrovatus confertus** Sharp

VAZIRANI, 1975, *Bull. Indian Mus.*, 7 (1) : 17.  
New Delhi, West Bengal.

**Hydrovatus ferrugatus** Regimbart

VAZIRANI, 1975, *Newsl. zool. Surv. India*, 1 (2) : 21.  
Tamil Nadu.

**Hydrovatus fuscus** Sharp

WEWALKA, 1972, *Kol. Rndschr.*, 50 : 115 (*Hydrovatus tinctus* Sharp considered a junior synonym).  
Nepal : N.W Pakistan.

**Hydrovatus pinguis** Regimbart

VAZIRANI, 1975, *Bull. Indian Mus.*, 7 (1) : 17.  
New Delhi.

**Hydrovatus pumilus** Sharp

VAZIRANI, 1975, *Bull. Indian Mus.*, 7 (1) : 17.  
Assam (Chabua).

**Hydrovatus rufescens** Motschulsky

VAZIRANI, 1975, *Bull. Indian Mus.*, 7 (1) : 17.  
New Delhi.

**Guignotus orientalis** (Clark)

VAZIRANI, 1975, *Bull. Indian Mus.*, 7 (1) : 17.  
Assam (Chabua).

**Guignotus flammulatus** (Sharp)

WEWALKA, 1973, *Bull. Fish. Res. Stn. Sri Lanka*, 24 (1 & 2) : 83.  
VAZIRANI, 1975, *Newsl. zool. Surv. India*, 1 (2) : 21; 1975, *Bull. Indian Mus.*, 7 (1) : 17.  
New Delhi, Punjab, Uttar Pradesh.

**Guignotus inconstans** (Regimbart)

VAZIRANI, 1975, *Newsl. zool. Surv. India*, **1** (2) : 21.  
Tamil Nadu.

**Guignotus pendjabensis** Guignot

VAZIRANI, 1975, *Newsl. zool. Surv. India*, **1** (2) : 21; 1975 *Bull. Indian Mus.*,  
**7** (1) : 19.  
Tamil Nadu : New Delhi.

**Guignotus pusillus** Fabricius

WEWALKA, 1975, *Entomologica Basiliensia* **1** : 153; Bhutan.  
VAZIRANI, 1975, *Bull. Indian Mus.*, **7** (1) : 17.  
Punjab, Uttar Pradesh; Bhutan.

**Clypeodytes (s.str.) bufo** Sharp

VAZIRANI, 1975, *Bull. Indian Mus.*, **7** (1) : 17.  
Tamil Nadu (Karikal).

**Clypeodytes (Lioclypeus) minutus** Vazirani

VAZIRANI, 1975, *Bull. Indian Mus.*, **7** (1) : 19.  
New Delhi.

**Hyphoporus anitae** Vazirani

VAZIRANI, 1976, *Newsl. zool. Surv. India*, **2** (2) : 65.  
Uttar Pradesh : Dehra Dun, Saharanpur.

**Hyphoporus elevatus** Sharp

VAZIRANI, 1976, *Newsl. zool. Surv. India*, **2** (2) : 66.

**Hyphoporus severini** Regimbart

VAZIRANI, 1975, *Bull. Indian Mus.*, **7** (1) : 17.  
New Delhi.

**Herophydrus musicus** (Klug)

VAZIRANI, 1975, *Bull. Indian Mus.*, **7** (1) : 17; 1976, *Newsl. zool. Surv.*  
*India*, **2** (2) : 67.  
New Delhi.

**Peschetius quadricostatus** (Aube)

VAZIRANI, 1975, *Bull. Indian Mus.*, **7** (1) : 17.  
New Delhi.

**Deronectes vestitus** (Gebler)

ZAITZEV, 1953, *Fauna UDSSR*, **4**; Wewalka, 1970, *Zeit. Arbeit. Osterr.*  
*Ent.*, **22** (4) : 140.  
Iran, Afghanistan, USSR.

**Potamonectes (s.str.) balli Vazirani**

VAZIRANI, 1976, *Newsl. zool. Surv. India*, 2 (2) : 66.

Uttar Pradesh : Dehra Dun, Mussorie.

Subfamily *COLYMBETINAE***Copelatus freudei Guignot**

WEWALKA, 1975, *Entomologica Basiliensia*, 1 : 154.

Bhutan, New Delhi, Bihar (Pusa).

**Copelatus gibsoni Vazirani**

VAZIRANI, 1975, *Bull. Indian Mus.*, 7(1) : 19. (T.L.—New Delhi—Holotype Smithsonian Inst. USNMW).

New Delhi.

**Copelatus indicus Sharp**

VAZIRANI, 1975, *Bull. Indian Mus.*, 7 (1) : 19.

New Delhi.

**Copelatus spangleri Vazirani**

VAZIRANI, 1975, *Bull. Indian Mus.*, 7 (1) : 19.

(T.L.—New Delhi—Smithsonian Inst. USNMW & Paratype in Z.S.I., Calcutta).

New Delhi.

**Lacconectus (Paralacconectus) simoni Regimbart**

WEWALKA, 1975, *Bull. Fish. Res. Stn. Sri Lanka*, 24 (1 & 2) : 86.

**Agabus (Gaurodytes) amoenus sinuaticollis Regimbart**

VAZIRANI, 1976, *Newsl. zool. Surv. India*, 2 (2) : 62.

Meghalaya.

**Platambus bhutanensis Wewalka**

WEWALKA, 1975, *Entomologica Basiliensia*, 1 : 157.

(T.L.—Bhutan : Paro—Holotype—Nat. Hist. Mus. Basel & Paratype♂ in Wewalka Colln. Austria).

*Distribution*—India : Bhutan.

**Platambus balfourbrownei Vazirani**

VAZIRANI, 1976, *Newsl. zool. Surv. India*, 2 (2) : 63.

**Platambus fletcheri Zimmermann**

VAZIRANI, 1976, *Newsl. zool. Surv. India*, 2 (2) : 63.

**Platambus guignoti Vazirani**

WEWALKA, 1975, *Entomologica Basiliensia*, 1 : 156. [*Platambus fletcheri*

Gschwendtner (nec Zimmermann) 1936, *Rec. Indian Mus.*, 37 : 370].

Uttar Pradesh; Pakistan.

**Platambus lineatus** Gschwendtner

WEWALKA, 1975, *Entomologica Basiliensia*, 1 : 154.

Bhutan; Pakistan.

**Platambus sogdianus** (Jakovl)

*Agabus* (*Anagabus*) *sogdianus* Jakovl, 1877, *L' Abeille*, 29 : 38 (T.L.—Turkestan).

*Agabus* (*Anagabus*) *vatelloides* Regimbart, 1899, *Ann. Soc. ent. Fr.*, 68 : 270 (Syn. vide Wewalka in personal communication).

*Agabus* (*Anagabus*) *jucundus* Guignot, 1954, *Opusc. Ent. Lund*, 19 : 222 (T.L.—Kashmir : Kargil—Paris Mus.). [Considered syn. of *vatelloides* vide Vazirani, 1970 *Orient Ins.* 4 : 331 and confirmed by Wewalka in personal communication].

*Agabus* (*Anagabus*) *limbibasis* Reitter, 1900, *Wien. Ent. Zeit.*, 19 : 226 (T.L.—Turkestan) (Syn. of *sogdianus* vide Zimmermann, 1920, *Coleopt. Cat.*, 4 : 184).

*Platambus holzschuhi* Wewalka, 1975, *Entomologica Basiliensia*, 1 : 155 (T.L.—Pakistan : Swat : Madyan—Wewalka Colln. Austria; Syn. vide Wewalka, personal communication).

**Platynectes (Gueorguivtes) kashmiranus** Balfour-Browne

GUEORGUIEV; 1972, *Bull. Inst. zool. Mus.*, 34 : 45; Wewalka, 1975. *Entomologica Basiliensia*, 1 : 159.

*Platynectes (Gueorguivtes) kashmirensis*; Vazirani, 1976, *Newsl. zool. Surv. India*, 2 (2) : 63 (incorrect spelling).

Bhutan, Nepal.

**Rhantus gogonensis** Wewalka

WEWALKA, 1975, *Entomologica Basiliensia*, 1 : 160 (T.L.—Bhutan : Sha Gogona—Holotype ♀, Nat. Hist. Mus. Basel).

*Distribution*—Bhutan.

**Rhantus ovalis** Gschwendtner

WEWALKA, 1975, *Entomologica Basiliensia* 1 : 160.

India : Bhutan; Nepal.

**Rhantus (s.str.) pulverosus** Stephens

VAZIRANI, 1976, *Newsl. zool. Surv. India*, 2 (2) : 63.

**Rhantus (s.str.) sikkimensis** Regimbart

VAZIRANI, 1976, *Newsl. zool. Surv. India*, 2 (2) : 62.

Meghalaya.

**Rhantus (s.str.) taprobanicus** Sharp

VAZIRANI, 1976, *Newsl. zool. Surv. India*, 2 (2) : 61.

Meghalaya.

Subfamily *DYTISCINAE***Eretes sticticus** (Linnaeus)

WEWALKA, 1975, *Entomologica Basiliensia*, 1 : 161; Vazirani, 1975, *Newsl. zool. Surv. India*, 1 (2) : 21; 1975, *Bull. Indian Mus.*, 7 (1) : 20; 1976, *Newsl. zool. Surv. India*, 2 (2) : 67.

New Delhi.

**Hydaticus (Guignotites) histrio** Clark

VAZIRANI, 1976, *Newsl. zool. Surv. India*, 2 (2) : 67.

**Hydaticus (G.) incertus** Regimbart

VAZIRANI, 1975, *Bull. Indian Mus.*, 7 (1) : 20; 1976, *Newsl. zool. Surv. India*, 2 (2) : 63; 1976, *ibid*, 2 (2) : 67.

New Delhi.

**Hydaticus (G.) luczonicus** Aube

WEWALKA, 1975; *Bull. Fish. Res. Stn. Sri Lanka*, 24 (1 & 2) : 86; Vazirani, 1975, *Bull. Indian Mus.*, 7 (1) : 20; 1976, *Newsl. zool. Surv. India*, 2 (2) : 62; 1976, *ibid*, 2 (2) : 67.

New Delhi, Meghalaya.

**Hydaticus (G.) vittatus** (Fabricius)

WEWALKA, 1972, *Kol. Rndsch.*, 50 : 116; 1975, *Entomologica Basiliensia*, 1 : 164; *Kol. Rndsch.*, 52 : 87; Vazirani, 1975, *Bull. Indian Mus.*, 7 (1) : 20; 1976, *Newsl. zool. Surv. India*, 2(2) : 63, 67.

*Hydaticus vittatus angustulus*; Wewalka, 1975, *Kol. Rndsch.*, 50 : 90; (Sri Lanka and S. India).

*Hydaticus satoi* Wewalka, 1975, *ibid*, p. 91 (in part viz, specimens from India, Nepal, Bhutan and Sri Lanka).

India; Nepal; Bhutan; Sri Lanka.

**Rhantaticus congestus** (Klug)

WEWALKA, 1972, *Kol. Rndsch.*, 50 : 115; Vazirani, 1975, *Bull. Indian Mus.*, 7 (1) : 20; 1976, *Newsl. zool. Surv. India*, 2(2) : 66.

New Delhi, Uttar Pradesh; Nepal.

**Sandracottus dejeani (Aube)**

VAZIRANI, 1975, *Newsl. zool. Surv. India*, **1** (2) : 21; 1976, *ibid*, **2**(2) : 67.  
Tamil Nadu.

**Sandracottus manipurensis Vazirani**

VAZIRANI, 1976, *Newsl. zool. Surv. India*, **2** (2) : 62.  
Assam.

**Sandracottus wehnckeii Balfour-Browne**

VAZIRANI, 1976, *Newsl. zool. Surv. India*, **2** (2) : 63.

**Cybister (Melanectes) posticus Aube**

VAZIRANI, 1976, *Newsl. zool. Surv. India*, **2** (2) : 63, 66.  
Uttar Pradesh.

**Cybister (Melanectes) posticus Aube**

VAZIRANI, 1976, *Newsl. zool. Surv. India*, **2** (2) : 63, 66.  
Uttar Pradesh.

**Cybister (Melanectus) sugillatus Erichson**

WEWALKA, 1975, *Entomologica Basiliensia*, **1** : 164. (Considers *prolixus*  
Sharp as a synonym).

VAZIRANI, 1976, *Newsl. zool. Surv. India*, **2** (2) : 63.  
India, Sri Lanka, Tibet, Nepal, Bhutan, China, Indonesia.

**Cybister (Meganectes) tripunctatus asiaticus Sharp**

WEWALKA, 1975, *Entomologica, Basiliensia*, **1** : 165.

VAZIRANI, 1975, *Newsl. zool. Surv. India*, **1** (2) : 21; 1976, *Newsl. zool.*  
*Surv. India*, **2** (2) : 63, 67.

**Cybister (Meganectes) guerini Aube**

VAZIRANI, 1975, *Newsl. zool. Surv. India*, **1** (2) : 21.  
Tamil Nadu.

**Cybister (Meganectes) limbatus (Fabricius)**

VAZIRANI, 1976, *Newsl. zool. Surv. India*, **2** (2) : 66.  
Uttar Pradesh.

**Cybister (Meganectes) ventralis Sharp**

VAZIRANI, 1976, *Newsl. zool. Surv. India*, **2** (2) : 63, 67.  
Uttar Pradesh.

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*ceylonicus*, *Laccophilus*, 10  
*championi*, *Microdytes*, 24  
*cheverolati*, *Hydaticus*, 83  
*cheverolati*, *Sandrocottus*, 83  
*chinensis inefficiens*, *Laccophilus*, 10, 95  
*chinensis*, *Laccophilus*, 10  
*circulatus*, *Bidessus*, 32  
*circulatus*, *Guignotus*, 32  
*circumductus*, *Neposternus*, 17  
*cimicoides*, *Dytiscus*, 13  
*clarki*, *Laccophilus*, 15  
*clavicornis*, *Dytiscus*, 1  
*clavicornis*, *Noterus*, 1  
*coccinelloides*, *Hyphydrus* (*Apriophorus*), 21  
*cognatus*, *Cybister* (*Meganectes*), 89  
*cognatus*, *Laccophilus*, 12  
*concessor*, *Cybister* (*Meganectes*), 89  
*concolor*, *Hydaticus*, 76  
*confertus*, *Hydrovatus*, 27, 96  
*confluens*, *Coelambus*, 43  
*confluens*, *Dytiscus*, 43  
*confosus*, *Agraphis*, 61  
*confusus*, *Cybister* (*Meganectes*), 90  
*confusus*, *Hydaticus*, 77  
*congestus*, *Hydaticus*, 83  
*congestus*, *Rhantaticus*, 83, 100  
*congestus* var. *rochazi*, *Rhantaticus*, 83  
*conicollis*, *Eunectes*, 74  
*consanguinea*, *Bidessus*, 41  
*consanguineus*, *Hydrovatus*, 25  
*consanguinea*, *Yola*, 41  
*conspersus*, *Agabus* (*Gaurodytes*), 64  
*conspersus*, *Dytiscus*, 64  
*convexiusculus*, *Noterus*, 1  
*convexus*, *Cybister* (*Melanectes*), 87  
*coomani*, *Neptosternus*, 17  
*coriaceus*, *Colymbinectes*, 69  
*coriaceus*, *Platynectes* (*Neoplatynectes*), 69  
*corporaali*, *Neptosternus*, 17  
*corsicus*, *Hydroporus*, 49  
*crassicornis*, *Dytiscus*, 1  
*crassifrons*, *Bidessus*, 32  
*cribossus*, *Bidessus*, 37  
*crassifrons*, *Guignotus*, 32  
*crassus*, *Cybister*, 92  
*cribratellus*, *Methles*, 20  
*cruciatus*, *Sandracottus*, 85  
*cryptarchoides*, *Copelatus*, 57
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- debilipes*, *Agabus* (*Gaurodytes*), 65  
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*decempunctatus*, *Dytiscus*, 67  
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*decempunctatus*, *Platynectes* (*Gueorguievtes*), 67  
*decempunctatus ab flavoscriptus* *Platynectes*, 67  
*decoratus*, *Laccophilus*, 14  
*dehaani*, *Cybister* (*Melanetes*), 88  
*dehaani* var. *attenuatus*, *Cybister*, 88  
*dehraduni*, *Hyphoporus*, 45  
*dejeani*, *Cybister* (*Meganectes*), 90  
*dejeani*, *Hydaticus*, 84  
*dejeani*, *Sandracottus*, 84, 100  
*derasus*, *Laccophilus*, 14  
*dilutus*, *Bidessus* (*Clypeodytes*), 40  
*dilutus*, *Bidessus*, 40  
*dilutus*, *Clypeodytes*, 40  
*dineutoides*, *Hydaticus*, 82  
*dineutoides*, *Pleurodytes*, 82  
*discicollis*, *Colymbetes*, 70  
*discicollis*, *Rhantus* (s.str.), 70  
*discidens*, *Hydaticus* (*Guignotites*), 76  
*discoideus*, *Copelatus*, 53  
*discretus*, *Hydroporus* (s.str.), 49  
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*disper*, *Rhantus* (s.str.), 72  
*dispersus*, *Laccophilus*, 11  
*dissimilis*, *Agabus*, 67  
*dissimilis*, *Platynectes*, 67  
*dissimilis*, *Platynectes* (*Gueorguievtes*), 67  
*distinctus*, *Hydrocoptus*, 3  
*divisus*, *Guignotus*, 33  
*divisus*, *Bidessus*, 33  
*doriae*, *Copelatus*, 57  
*duplex*, *Hydaticus*, 80  
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- elegans*, Hyphoporus, 45  
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*elevatus*, Hydrovatus, 27  
*elevatus*, Hyphoporus, 45, 97  
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*enneagrammus*, Coelambus, 43  
*enneagrammus*, Hydroporus, 43  
*epipleuricus*, Hydaticus, 82  
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*evanescens*, Clypeodytes (Hypoclypeus), 38  
*excofferi*, Hyphydrus (Apriophorus), 21  
*eximius*, Hyphydrus (Apriophorus), 91  
*extenuans*, Cybister (Meganectes), 90

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- fabricii*, Hydaticus  
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*fabricii*, Hydaticus (in part), 77, 80  
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*fasciatus*, Sandracottus, 85  
*fasciatus* var. *crucialis*, Sandracottus, 85  
*fasciatus* ab. *crucialis*, Sandracottus, 85  
*fasciatus* var. *hunteri*, Sandracottus, 85  
*feae*, Copelatus, 54  
*fengi*, Hydaticus, 80  
*ferrugatus*, Hydrovatus, 27, 96  
*festivus*, Dytiscus, 84  
*festivus*, Sandracottus, 84  
*figuratus*, Hydaticus (Guignotites), 77  
*filiformis*, Copelatus, 57  
*filiformis*, Leiopterus, 57  
*flammulatus*, Bidessus, 32  
*flammulatus*, Canthydrus, 5  
*flammulatus*, Guignotus, 32, 96  
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*flaviscens*, Laccophilus, 11  
*flaviculus*, Bidessus, 33  
*flaviculus*, Guignotus, 33  
*flaviculus*, Hydroglyphus, 33  
*flaviventris*, Coelambus, 43  
*flaviventris*, Hydroporus, 43  
*flavus*, Canthydrus, 5,  
*flavus*, Hydrocanthus, 5  
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*fractifer*, Hydaticus (Guignotites), 77  
*fractus*, Hydrovatus, 97  
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*frontalis*, Canthydrus, 7  
*frontalis*, Hydrocoptus, 3  
*fulvescens*, Bidessus, 33  
*fulvescens*, Guignotus, 33  
*fulvescens*, Hydrovatus, 27  
*fulvescens*, Lacconectus (s.str.), 58  
*fumatus*, Cybister (Meganectes), 90  
*fuscipennis*, Bidessus, 33  
*fuscipennis*, Guignotus, 33  
*fuscobrunneus*, Hydroporus, 26  
*fuscus*, Hydrovatus, 28, 96  
*fuscus*, Colymbetes, 70  
*fuscus*, Dytiscus, 70

## (G)

- geetae*, Hyphoporus, 45  
*geminus*, Bidessus, 36  
*geminus*, Hyphydrus, 36  
*geniculatus*, Copelatus, 54  
*genitilis*, Bidessus, 42  
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*gilvus*, Dytiscus, 13  
*gracilis*, Cybister (Meganectes), 90  
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*griseoguttatus*, Clypeodytes (*Lioclypeus*), 38  
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*griseostriatus*, Dytiscus, 50  
*griseostriatus*, Deronectes, 50  
*griseostriatus*, Deronectes  
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*guerini*, Cybister (Meganectes), 90, 101  
*guignoti*, Hydronebrius, 66  
*guignoti*, Platambus, 66, 98  
*gujaratensis*, Guignotus, 33  
*guttalis*, Laccophilus, 12

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*guttulatus*, *Bidessus* (*Clypeodytes*), 39  
*guttulatus*, *Clypeodytes* (*Lioclypeus*), 39  
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*haagi*, *Canthydrus*, 6  
*haagi*, *Hydrocanthus*, 6  
*hemani*, *Clypeodytes* (*Paraclypeus*), 40  
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*histrion*, *Hydaticus* (*Guignotites*), 77, 100  
*holzschuhi*, *Platambus*, 99  
*horai*, *Clypeodytes* (*Lioclypeus*), 39  
*horai*, *Neptosternus*, 18  
*horni*, *Copelatus*, 55  
*horni*, *Laccophilus*, 10  
*hunteri*, *Dytiscus*, 85  
*hunteri*, *Sandracottus*, 85  
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*inconstans*, *Bidessus*, 33  
*inconstans*, *Guignotus*, 33, 96  
*incrassatus*, *Platambus*, 66  
*indicus*, *Agabus*, 63  
*indicus*, *Bidessus*, 39  
*indicus*, *Bidessus* (*Clypeodytes*), 39  
*indicus*, *Clypeodytes* (*Lioclypeus*), 39  
*indicus*, *Copelatus*, 54  
*indicus*, *Cybister*, 89  
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*indicus*, *Deronectes* (*Potamodytes*), 51  
*indicus*, *Hydrocanthus*, 4  
*indicus*, *Hydroporus*, 51  
*indicus*, *Hyphydrus*, 21  
*indicus*, *Methles*, 20  
*indicus*, *Potamonectes* (s.str.), 51  
*indicus*, *pulchellus* *Copelatus*, 55  
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*inefficiens*, *Laccophilus*, 95  
*insignis*, *Dytiscus*, 84

*insignis*, *Hydaticus*, 84  
*insignis*, *Hydroporus*, 51  
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(*Zimmermanicus*), 51  
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*javanus*, *Bidessus* (*Clypeodytes*), 40  
*javanus*, *Canthydrus*, 8  
*javanus*, *Copelatus*, 53  
*javanus*, *Clypeodytes*, 40  
*javanus*, *Cybister* (*Meganectes*), 91  
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(*Potamodytes*), 51  
*kashmirensis*, *Hydroporus* (s.str.) 51  
*kashmirensis*, *Platynectes*, 68  
*kashmirensis*, *Potamonectes* (s.str.), 41  
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*kaszabi*, *Neptosternus*, 18  
*kempi*, *Agraphis*, 61  
*kempi*, *Hyphoporus*, 46  
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*laccophiloides*, *Hydrovatus*, 24  
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*laetabilis*, *Canthydrus*, 6, 94  
*laetabilis*, *Hydroporus*, 6  
*laeticulus*, *Bidessus*, 34

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*laevigatus*, *Notomicrus*, 2  
*laticollis*, *Copelatus*, 55  
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*lateralimarginalis*, *Cybister* (s.str.), 86  
*lateralimarginalis*, *Dytiscus*, 86  
*leechi celebesanus*, *Hydaticus*  
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*leechi celebesanus* f. *insulans*, *Hydaticus*  
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*lewisianus*, *Cybister* (*Meganectes*), 91  
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*litigiosus*, *Hydaticus* (*Guignotites*), 78  
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*livens*, *Bidessus*, 42  
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*loriae*, *Bidessus*, 40  
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*lucasseni*, *Laccophilus*, 13  
*luctuosus*, *Hydrocanthus*, 6  
*luctuosus*, *Canthydrus*, 6, 94  
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*malaccae*, *Hydrovatus*, 25  
*maculatus*, *Hydrovatus*, 24  
*macularis*, *Hydaticus* (*Guignotites*), 79  
*maculata*, *Desmopachria*, 24  
*maculatus*, *Microdytes*, 24  
*maulatus*, *Hydaticus*, 84  
*maculatus*, *Sandracottus*, 84  
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*maurus*, *Hydroporus*, 49  
*medialis*, *Laccophilus*, 13  
*melanogrammus*, *Copelatus*, 53  
*melanogrammus*, *Deronectes*, 51  
*melanogrammus*, *Hydroporus*, 51  
*minimus*, *Bidessus*, 36  
*minutissimus*, *Copelatus*, 56  
*minutus*, *Clypeodytes* (*Lioclypeus*), 39, 97  
*minutus*, *Dytiscus*, 12  
*minutus*, *Laccophilus*, 12  
*mixtus*, *Acillus*, 83, 85  
*mixtus*, *Sandracottus*, 85  
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*mjobergi*, *Laccophilus*, 14  
*morsbachi*, *Hydrocanthus*, 7  
*monolacus*, *Hydroporus*, 36  
*montanus*, *Hyphoporus*, 46  
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*musicus*, *Coelambus*, 47  
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*nauticus*, *Sandracottus*, 86  
*nepalensis*, *Stictogabus*, 61  
*nicobaricus*, *Bidessus*, 34  
*nicobaricus*, *Guignotus*, 34  
*nicobaricus*, *Hydroporus*, 34  
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*nigrita*, *Hydroporus*, 49

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*nigritulus*, *Laccoporus*, 19  
*nigroangularis*, *Platynectes*, 67  
*nigronotatus*, *Hyphydrus*, 22  
*nilgiricus*, *Copelatus*, 57  
*nilgiricus*, *Hyphoporus*, 46  
*nitidus*, *Dytiscus*, 63  
*nitidulus*, *Canthydrus*, 7  
*nitidus*, *Agabus* (*Dichonectes*), 63  
*notatus*, *Rhantus*, 72  
*noteroides*, *Bidessus*, 35  
*noteroides*, *Guignotus*, 35  
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*obscurus*, *Dytiscus*, 13  
*obtusus*, *Hydrovatus*, 28  
*obtusus*, *Laccophilus*, 14  
*occidentalis*, *Eunectes*, 74  
*oceanicus*, *Lacconectus*, 59  
*octodecimaculatus*, *Colymbetes*, 67  
*octodecimaculatus*, *Platynectes*, 67  
*opatrinus*, *Hydrocoptus*, 3  
*orbicularis*, *Hyphydrus* (*Apriophorus*), 22  
*orientalis*, *Bidessus*, 35  
*orientalis*, *Guignotus*, 35, 96  
*orientalis*, *Hydrocanthus*, 6  
*orientalis*, *Hydroporus*, 35  
*orientalis*, *Hydrovatus*, 26  
*orientalis*, *Hyphydrus*, 21  
*orientalis*, *Hyphydrus* (*Apriophorus*), 22  
*orientalis*, *Laccophilus*, 14  
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*ovalis*, *Lacconectus* (s.str.), 53  
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*pacificus latihamatus*, *Hydaticus*  
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*pacistanus*, *Hyphoporus*, 46  
*parvulus*, *Laccophilus*, 13, 95  
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*pasiricus*, *Hydrovatus*, 28  
*pectoralis*, *Cybister* (*Meganectes*), 91  
*pellucidus*, *Laccophilus*, 16  
*pendjabensis*, *Guignotus*, 35, 97  
*perforatus*, *Bidessus*, 41  
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*philippensis*, *Hydaticus* (*Guignotites*), 80  
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*pictus*, *Prodaticus*, 74  
*pinguis*, *Hydrovatus*, 22, 96  
*planitarsis*, *Laccophilus*, 14  
*planatus*, *Hydaticus*, 79  
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*platteewi*, *Hydaticus* (*Guignotites*), 80  
*poesi*, *Neptosternus*, 18  
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*ponticus*, *Laccophilus*, 15  
*posticus*, *Cybister* (*Melanectes*), 88, 101  
*pradhani*, *Guignotus*, 35  
*princeps*, *Colymbinectes*, 69  
*princeps*, *Platynectes* (*Neoplatynectes*), 69  
*procerus*, *Colymbinectes*, 69  
*procerus*, *Platynectes* (*Neoplatynectes*), 69  
*prolixus*, *Cybister* (*Melanectes*), 88  
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*proximus*, *Canthydrus*, 7  
*pseudomorsbachi*, *Canthydrus*, 8  
*pudicus*, *Hydrovatus*, 29  
*pugnator*, *Hyphoporus*, 46  
*pulicarius*, *Laccophilus*, 14  
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*punctulatus*, *Notomicrus*, 2  
*punjabensis*, *Rhantus* (s.str.), 72  
*pusillus*, *Dytiscus*, 35

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*quadricostatus*, *Deronectes*,  
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*quadricostatus*, *Peschetius*, 48, 97  
*quadrilineatus*, *Bidessus*, 42  
*quadrilineatus*, *Uvarus*, 42  
*quadrisignatus*, *Copelatus*, 5

## (R)

*rangoonensis*, *Hydrovatus*, 29  
*rectangulus*, *Hydaticus*, 77  
*reductus*, *Hydaticus* (*Guignotites*), 80  
*regimbari*, *Bidessus*, 36  
*regimbari*, *Copelatus*, 56  
*regimbari*, *Guignotus*, 36  
*renardi*, *Hyphydrus* (*Apriophorus*), 23, 96  
*reticulatus*, *Hydrovatus*, 30  
*rhantoides*, *Hydaticus* (*Guignotites*), 80  
*ritsemai*, *Canthydrus*, 8, 94  
*ritsemai*, *Hydrocanthus*, 8  
*ritsemai*, *Lacconectus*, 59  
*rotundatus*, *Hyphoporus*, 47  
*rubescens*, *Hydrocoptus*, 83  
*rufescens*, *Hydrovatus*, 30, 96  
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*rufoniger*, *Hydrovatus*, 30  
*rufulus*, *Hydaticus*, 76  
*rufulus*, *Hydrocoptus*, 3  
*rufulus*, *Laccophilus*, 14, 95  
*rugosus*, *Cybister* (*Meganectes*), 92  
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*sabitae*, *Microdytes*, 24  
*samosir*, *Laccophilus*, 15  
*satoi*, *Hydaticus*, 100  
*scapherius*, *Canthydrus*, 7  
*scapularis*, *Hydrocoptus*, 3

*scholzi*, *Lacconectus* (*Paralacconectus*), 60  
*sellatus*, *Hydaticus* (*Guignotites*), 81  
*sellatus*, var. *ephippiger*, *Hydaticus*, 81  
*semiclusus*, *Hydroporus*, 52  
*semirufus*, *Hydrovatus*, 30  
*semperi*, *Canthydrus*, 8  
*semperi*, *Hydrocanthus*, 8  
*severini*, *Bidessus*, 38  
*severini*, *Hyphoporus*, 47, 97  
*severini*, *Clypeodytes* (*Hypoclypeus*), 38  
*sexguttatus*, *Hydaticus* (*Guignotites*), 81  
*sexpunctatus*, *Canthydrus*, 7  
*sexualis*, *Rhantus* (s.str.), 72  
*sharpi*, *Hydaticus* (*Guignotites*), 81  
*sharpi*, *Hydrocoptus*, 4  
*sharpi*, *Laccophilus*, 15, 95  
*sharpi* var. *clarki*, *Laccophilus*, 15  
*siamensis*, *Cybister* (*Melanectes*), 88  
*siamensis*, *Laccophilus*, 16  
*signatellus*, *Bidessus*, 36  
*signatellus*, *Guignotus*, 36  
*signatellus*, *Hydroporus*, 36  
*signatellus* ab. *thermalis*, *Bidessus*, 36  
*signatipennis*, *Rhantaticus*, 83  
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*simillis*, *Laccophilus*, 16  
*simoni*, *Lacconectus*  
 (*Paralacconectus*), 60, 98  
*simoni* var. *scholzi*, *Lacconectus*, 60  
*sindensis*, *Laccophilus*, 16  
*sinister*, *Hydrovatus*, 30  
*skarduensis*, *Agabus* (*Gaurodytes*), 65  
*sogdianus*, *Platambus*, 99  
*sogdianus*, *Agabus* (*Anagabus*), 99  
*solutus indicus*, *Laccophilus*, 12  
*spangleri*, *Copelatus*, 98  
*splendidus*, *Bidessus*, 37  
*splendidus*, *Guignotus*, 37  
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*sticticus*, *Eretes*, 73, 100  
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*sumatrensis*, *Bidessus* (*Clypeodytes*), 41  
*sumatrensis*, *Cybister* (*Melanectes*), 89  
*sumatrensis*, *Hydrovatus*, 26  
*sumatrensis*, *Neptosternus*, 18  
*sumatrae*, *Hyphydrus*, 23  
*sumbawensis*, *Copelatus*, 56  
*suturalis*, *Colymbetes*, 72  
*suturalis*, *Notomicrus*, 2  
*symbolum*, *Hydroporus*, 36

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*taprobanicus*, *Rhantus* (s.str.), 75, 99  
*tenasserimus*, *Neptosternus*, 19  
*tenebrosus*, *Copelatus*, 57  
*tenellus*, *Hydrocoptus*, 2  
*tenellus*, *Notomicrus*, 2  
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*thienemanni*, *Bidessus*, 37  
*thienemanni*, *Guignotus*, 37  
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*tonkinensis*, *Hyphoporus*, 47  
*tonkinensis*, *Lacconectus* (s.str.), 60  
*toxophorus*, *Peschetius*, 48  
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*transversalis*, *Laccophilus*, 16  
*transversus*, *Bidessus*, 37  
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*umbrosus*, *Allopachria*, 42  
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*weisei*, *Hydrocanthus*, 8  
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