

SHORE FLIES OF THE REPUBLIC OF SEYCHELLES (DIPTERA: EPHYDRIDAE)

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Abstract.— Thirty-nine species of the shore-fly family Ephydriidae that occur on islands of the Republic of Seychelles are reviewed. Included are keys to the appropriate supra-generic categories, genera, and species. Distributional data for all included species are presented, and new taxa are described and illustrated. Six new species are described (type locality in parenthesis): *Psilopa victoria* (Seychelles. Mahé: Roche Caiman Bird Sanctuary; 4°38.3'S, 55°28.1'E); *Cerobothrium insulatum* (Seychelles. Mahé: Port Launay; 4°39.2'S, 55°24.2'E); *Schema aldabricum* (Aldabra. South Island, Flamingo Pool); *Orasiopa apiculata* (Seychelles. La Digue: La Passe; 4°20.8'S, 55°49.8'E); *Polytrichophora specula* (Seychelles. Mahé: Anse Boileau (4°42.5'S, 55°28.7'E)); *Hyadina munarii* (Seychelles. Mahé: Airport). *Psilopa giordanii* Canzoneri is made a junior subjective synonym of *Clasiopella uncinata* Hendel, *Enchastes scotti* Lamb is made a junior subjective synonym of *Placopsidella cynocephala* Kertész, *Hecamedoides pusillus* Canzoneri is made junior subjective synonym of *Discocerina hepatica* de Meijere, *Allotrichoma outambense* Canzoneri is made a junior subjective synonym of *A. argentipraetextum* Lamb, and *Discocerina (Ditrichophora) rattii* Canzoneri is made a junior subjective synonym of *Hostis guamensis* (Cresson). *Asmeringa ligabuei* Canzoneri is transferred to the genus *Cerobothrium* as a new combination. Lectotypes are designated for the following nine species: *Discomyza similis* Lamb, *Ceropsilopa longicornis* (Lamb), *Psilopa nitidissima* Lamb, *Allotrichoma argentipraetextum* Lamb, *Hyadina fenestrata* Becker, *Zeros fractivirgatus* (Lamb), *Zeros invenatus* (Lamb), *Parydra tuberculifera* Lamb, *Scatella septemfenestrata* Lamb.

The shore-fly fauna of the Seychelles is diverse, comprising at least 39 species (Table 3), and the populations of these species are generally stable and intact. Most species are adventive to the islands, many apparently being introduced during the last century. Most species have biogeographic connections with the Afrotropical mainland (22 species) and to a lesser extent with the Oriental and Australasian Regions (12 species). The few apparent endemics we identified (7 species or 18%) constitute far less than half the level of endemism that was reported for insect species generally (51%). The freshwater fauna of shore flies on the Seychelles is essentially undeveloped and is comparatively depauperate.



Key words.— Diptera, Ephydriidae, Seychelles, new species, taxonomy.

A REVIEW OF THE GENUS *PLATYCEPHALA* FALLÉN, 1820 FROM CHINA (DIPTERA: CHLOROPIDAE)

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Abstract.— A review of the species of the genus *Platycephala* from China is provided. The following 3 species are described as new to science: *Platycephala guizhouensis*, *P. lii* and *P. maculata*.



Key words.— Diptera, Chloropidae, *Platycephala*, new species, China.

NOTES ON THE GENUS *HERCOSTOMUS* LOEW, 1857 FROM GUANGXI, CHINA (DIPTERA: EMPIDOIDEA: DOLICHOPODIDAE)

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Abstract.— The species of the genus *Hercostomus* from Guangxi are reviewed. Two species are described as new to science: *Hercostomus (Hercostomus) tianeensis* **sp. nov.** and *H. (H.) tianlinensis* **sp. nov.**



Key words.— Diptera, Dolichopodidae, *Hercostomus*, Guangxi, new species.

A REVIEW OF THE GENUS *NEURIGONELLA*
ROBINSON, 1964 FROM NEPAL
(DIPTERA: EMPIDOIDEA: DOLICHOPODIDAE)

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Abstract.— The species of the genus *Neurigonella* from Nepal are reviewed. The following 2 species are described as new to science: *Neurigonella nepalensis* **sp. nov.**, *N. nigra* **sp. nov.** A key to the species of the genus from Nepal is given.



Key words.— Diptera, Dolichopodidae, *Neurigonella*, new species, Nepal.

DO *FORMICA* SPECIES (HYMENOPTERA: FORMICIDAE) HAVE A DIFFERENT ATTACK MODE?

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Abstract.— It is questioned whether a different degree of aggressiveness of *Formica* species will lead to a different type of lesions of their victims and if so whether dissimilar lesions, caused by two related *Formica* species (*Formica rufa* and *F. polyctena*), might give support to their morphological separation. Moreover it is discussed if the conclusion is justified that an ant species is able to recognize other ant species if it causes dissimilar lesions during aggressive encounters.



Key words.— Ants, *Formica*, species recognition, attack mode.

NOTES ON THE GENUS *AGDISTOCORIS* KORMILEV, 1962 (HETEROPTERA: REDUVIIDAE: PHYMATINAE), WITH THE DESCRIPTION OF A NEW SPECIES FROM CHINA

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Abstract.— *Agdistocoris kormilevi*, a new species of ambush bugs from China, is described. The genus *Agdistocoris* Kormilev is recorded the first time from China. A key to the three species of the genus is provided. The holotype of the new species will be preserved in the Insect Collection of China Agricultural University.



Key words.— *Agdistocoris*, China, new species, key to species, Phymatinae, Reduviidae.

MORPHOLOGY OF THE MATURE LARVA AND PUPA OF *QUEDIUS BREVICORNIS* (THOMSON, 1860) (COLEOPTERA: STAPHYLINIDAE)

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Abstract.— It is the first time the mature third instar larva of *Quedius brevicornis* (Thomson) has been described. The redescription of the pupa of this staphylinid is also provided. A modification of the key by Kasule to some known *Quedius* larvae is proposed, and a key to Polish known *Quedius* pupae including *Q. brevicornis* is presented.



Key words.— Coleoptera, Staphylinidae, *Quedius brevicornis*, morphology, mature larva, pupa.

STUDIES ON THE MORPHOLOGY OF IMMATURE
STAGES OF THE TRIBE AGATHIDIINI (COLEOPTERA:
LEIODIDAE). PART I. *ANISOTOMA DISCOLOR*
MELSHEIMER, 1844

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Abstract.— This is the first detailed description of the mature larva of *Anisotoma discolor* Melsheimer, 1844, a Nearctic member of the tribe Agathidiini. The setal pattern of cephalic capsule, mouthparts, legs, urogomphi, thoracic and abdominal segments are described and figured, and the measurements are given.



Key words.— Entomology, taxonomy, morphology, larva, Coleoptera, Leiodidae, Agathidiini, *Anisotoma discolor*.

DESCRIPTION OF FIRST AND LAST INSTAR LARVA OF *CRASPEDONTA LEAYANA* (LATREILLE, 1807) (COLEOPTERA: CHRYSOMELIDAE: CASSIDINAE)

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Abstract.— First and last instar larva of *Craspedonta leayana* (Latreille, 1807) is described in detail. A brief discussion on classification of the tribe Basiprionotini is given.



Key words.— Coleoptera, Chrysomelidae, Cassidinae, Basiprionotini, *Craspedonta leayana*, larva.

TWO NEW SPECIES OF *SPILOPHORA* BOHEMAN, 1850 (COLEOPTERA: CHRYSOMELIDAE: CASSIDINAE) FROM ECUADOR AND PERU

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Abstract.— *Spilophora cuneata* from Ecuador and *S. lacrimata* from Ecuador and Peru, new to the science, are described. Both belong to the *Spilophora trigemina* group. A key to species of the group is given.



Key words.— Entomology, taxonomy, new species, Coleoptera, Chrysomelidae, Cassidinae, *Spilophora*, Ecuador, Peru.

A REVIEW OF THE GENUS *AVENCYMON* STROHECKER, 1971 (COLEOPTERA: ENDOMYCHIDAE)

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Abstract.— Species of the Oriental genus *Avencymon* are reviewed. The following new synonym is proposed: *Avencymon ruficephalus* (Ohta, 1931) (= *Avencymon concolor* (Strohecker, 1951)). A new species of *Avencymon*, *A. bicolor* from Indonesia is described and illustrated. Taxonomic notes on the genus and a key to its known species are provided. The placement of *Avencymon* within the subfamily Lycoperdininae is confirmed.



Key words.— Entomology, taxonomy, revision, Cucujoidea, Lycoperdininae, *Avencymon*.

MELANOPTERUS MERKLI, NEW SPECIES FROM AFRICA (COLEOPTERA: TENEBRIONIDAE: PLATYNOTINI)

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Abstract.— *Melanopterus merkli*, new species from Africa is described, illustrated and compared with their relatives. Key for species determination is provided.



Key words.— Coleoptera, Tenebrionidae, Platynotini, *Melanopterus*, Africa, entomology, taxonomy, new species.

PLATYBURMANICUS, NEW GENUS OF PLATYNOTINI FROM BURMA (COLEOPTERA: TENEBRIONIDAE)

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Abstract.— *Platyburmanicus ignotus* **gen. et sp. nov.** is described from Burma. The genus belongs to platynotoid group of the tribe Platynotini, where is related to the genera *Notocorax* Dejean and *Opatrinus* Dejean.



Key words.— Coleoptera, Tenebrionidae, Platynotini, *Platyburmanicus ignotus*, Burma, entomology, taxonomy, new genus, new species.

***BLAISEA* SIMON, 1902 SYNONYMISED WITH *TUSITALA* PECKHAM ET PECKHAM, 1902 (ARANEAE: SALTICIDAE)**

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Abstract.— *Blaisea bicalcarata* Simon, 1909 is synonymised with *B. lyrata* Simon, 1902 and transferred to the genus *Tusitala* Peckham et Peckham, 1902; a new combination – *T. lyrata* – is proposed. A redescription of the male and the first description of the female of *T. lyrata* are provided. The range of morphological variation of the male chelicera in the species is shown. The generic name *Blaisea* Simon, 1902 is synonymised with *Tusitala* Peckham et Peckham, 1902.



Key words.— Arachnology, Araneae, Salticidae, *Blaisea*, *Tusitala*, synonym, Afrotropical Region.

SALTICIDAE (ARACHNIDA: ARANEAE) FROM
ORIENTAL, AUSTRALIAN AND PACIFIC REGIONS, XVII.
PARAPHILAEUS, A NEW GENUS FROM AUSTRALIA

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Abstract.— *Paraphilaeus*, a new genus from eastern Australia is described. Its relationships are discussed, diagnostic drawings, description and distributional data for *Paraphilaeus daemeli*, the only known representative of the genus are given.



Key words.— Salticidae, Australia, new genus, new species.

A REDESCRIPTION OF ADULT AND LARVA OF *ECHINOTHROMBIVM RHODINUM* (C. L. KOCH, 1837) (ACARI: PARASITENGONA: MICROTROMBIDIIDAE) WITH COMMENTS ON THE BIOLOGY OF THE SPECIES

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Abstract.— Adult and larva of *Echinotrombivm rhodinum* (C.L. Koch, 1837) are re-described. The neotype is designated basing on female from which larvae were obtained by experimental rearing. Diagnoses of adults, deutonymphs and larvae are provided. The taxonomic position of the genus *Echinotrombivm* Womersley, 1937 is discussed. The phenology, life cycle, development and parasitism of *E. rhodinum* are characterized.



Key words.— Acarology, taxonomy, biology, life cycle, neotype, Microtrombidiidae, *Echinotrombivm*, *Echinotrombivm rhodinum*.

A REDESCRIPTION OF ADULT AND LARVA OF *DACTYLOTHROMBIUM PULCHERRIMUM* (HALLER, 1882) (ACARI: PARASITENGONA: MICROTROMBIDIIDAE) WITH REMARKS ON LIFE CYCLE AND BIOLOGY

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Abstract.— Adult and larva of *Dactylothrombium pulcherrimum* (Haller, 1882) are re-described. The neotype is designated basing on female from which larvae were obtained by experimental rearing. Diagnoses of adults, deutonymphs and larvae are provided. The taxonomic position of the genus *Dactylothrombium* Feider, 1952 is discussed. The phenology, life cycle, development and parasitism of *D. pulcherrimum* are characterized.



Key words.— Acarology, taxonomy, biology, life-cycle, neotype, Microtrombidiidae, *Dactylothrombium*, *Dactylothrombium pulcherrimum*.

NEW AND LITTLE KNOWN *PRIONCHULUS* SPECIES (NEMATODA: MONONCHINA) FROM KAMCHATKA PENINSULA, RUSSIA

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Abstract.— *Prionchulus kamchaticus* **sp. nov.** and *P. major* Gagarin, 2001 are described and redescribed based on the material collected from Kamchatka Peninsula, Russia.



Key words.— Morphology, Kamchatka Peninsula, nematodes, new species, *Prionchulus*, taxonomy.