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SOME NEW RECORDS OF WATER BEETLES FROM COSTA RICA AND BRAZIL

Sergey K Ryndevich & Alexey K Tishechkin

This paper is based on studying material collected in Brazil and Costa Rica.

Gyrinidae Subfamily Orectochilinae Tribe Orectochilini

Gyretes acutangulus Sharp, 1882. N America, Costa Rica, Heredia Prov., Cordillera Volcánica Central Biosphere Reserve, La Selva Biological Station, FIT, 18-29.vi.1998, 10°25'19" N 84°00'54" W, leg. Tishechkin A, 1 specimen. New for Heredia Province.

Noteridae Subfamily Noterinae

Hydrocanthus debilis Sharp, 1882. N America, Costa Rica, Heredia Prov., Cordillera Volcánica Central Biosphere Reserve, La Selva Biological Station, FIT, 18-29.vi.1998, 10°25'19" N 84°00'54" W, leg. Tishechkin A, 2 specimens. New for Heredia Province.

Hydrocanthus marmoratus Sharp, 1882. N America, Costa Rica, Heredia Prov., Cordillera Volcánica Central Biosphere Reserve, La Selva Biological Station, FIT, 18-29.vi.1998, 10°25'19" N 84°00'54" W, leg. Tishechkin A, 5 specimens. First record for Heredia Province.

Noteridae Subfamily Notomicrinae

Notomicrus sharpi J. Balfour-Browne, 1939. N America, Costa Rica, Heredia Prov., Cordillera Volcánica Central Biosphere Reserve, La Selva Biological Station, FIT, 18-29.vi.1998, 10°25'19" N 84°00'54" W, leg. Tishechkin A, 3 specimens. New for Heredia Province.

Hydrophilidae Subfamily Hydrophilinae Tribe Berosini

Berosus aculeatus Chevrolat, 1863. N America, Costa Rica, Heredia Prov., Cordillera Volcánica Central Biosphere Reserve, La Selva Biological Station, FIT, 18-29.vi.1998, 10°25'19" N 84°00'54" W, leg. Tishechkin A, 1 specimen. First record for Costa Rica fauna.

Derallus angustus Sharp, 1882. N America, Costa Rica, Heredia Prov., Cordillera Volcánica Central Biosphere Reserve, La Selva Biological Station, FIT, 18-29.vi.1998, 10°25'19" N 84°00'54" W, leg. Tishechkin A, 1 specimen. New for Heredia Province.

Hydrophilidae Tribe Hydrophilini

Hydrophilus ensifer Brullé, 1837. **S America, Brazil**, Bahia, 20 km N of Ilheus, 9-20 m, 6.XI.2012, S. & S.V. Kurbatov leg., 1 specimen. Recorded for the State of Bahia the first time.

Tropisternus (Strepitornus) collaris (Fabricius, 1775). **S America, Brazil**, Bahia, 20 km N of Ilheus, UESC, 13.XI.2012, S. & S.v. Kurbatov leg., 1 specimen. First record from the State of Bahia.

Tropisternus apicipalpis Chevrolat, 1834. N America, Costa Rica, Heredia Prov., Cordillera Volcánica Central Biosphere Reserve, La Selva Biological Station, FIT, 18-29.vi.1998, 10°25'19" N 84°00'54" W, leg. Tishechkin A, 3 specimens. New for Heredia Province

In addition to new findings, two more species of water beetles were collected using a flight interception trap (FIT) at La Selva Biological Station. This species was already known from Costa Rica.

Dytiscidae Subfamily Copelatinae Tribe Copelatini

Copelatus caelatipennis fragilis Sharp, 1882. N America, Costa Rica, Heredia Prov., Cordillera Volcánica Central Biosphere Reserve, La Selva Biological Station, FIT, 18-29.vi.1998, 10°25'19" N 84°00'54" W, leg. Tishechkin A, 1 specimen.

Hydrophilidae Subfamily Enochrinae

Enochrus (Methydus) pseudochraceus Gundersen, 1977. N America, Costa Rica, Heredia Prov., Cordillera Volcánica Central Biosphere Reserve, La Selva Biological Station, FIT, 18-29.vi.1998, 10°25'19" N 84°00'54" W, leg. Tishechkin A, 8 specimens.

Acknowledgements We are very grateful to S.A. Kurbatov (All-Russian Research Institute of Chemical Agents of Plant Protection, St.-Petersburg, Russia) for the loan of material.

ALLER R B 2014 Actualización faunística y corológica de los girínidos (Coleoptera: Adephaga: Gyrinidae) de Costa Rica (Centroamérica). *Boletín de la Sociedad Entomológica Aragonesa (S.E.A.)* **55** 224–232

ALLER R B 2015 Catálogo y actualización corológica de los notéridos (Coleoptera: Adephaga: Noteridae) de Costa Rica. *Boletín de la Sociedad Entomológica Aragonesa (S.E.A.)* **56** 179–186

ALLER R B 2019 El género *Copelatus* Erichson, 1832 (Coleoptera: Dytiscidae: Copelatinae) en Costa Rica. Composición de especies y corología. *Boletín de la Sociedad Entomológica Aragonesa (S.E.A.)* **64** 89–96

HANSEN M 1999 *Hydrophiloidea (s. str.) (Coleoptera) World Catalogue of Insects*. **2** Apollo Books, Stenstrup 416 pp.

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KUWAIT

📖 KATBEH-BADER A, AMR Z & MARAFI M A J 2022. *Field guide to the common insects of the State of Kuwait*. Gland, Switzerland: IUCN and Kuwait, State of Kuwait: Environment Public Authority.

The book begins with a guide on collecting and preservation, illustrated mainly by products of Bio-Quip Inc. Their water net looks flimsy, D-shaped for statically catching insects disturbed by kick-sampling, whereas most of the beetles listed would require a proper pond net or sieve. This book is an excellent starting guide for any entomologist visiting the area but there are almost inevitably a few problems when attempting a complete entomological review. Twenty-one species of dytiscid are listed but it should be twenty as the montane variant of *Agabus bipustulatus* (L.), "*Agabus solieri* Aubé, is unfortunately included as well as the intended *Hyphoporus solieri* (Aubé), *Hyphoporus* is now treated as a subgenus of *Hygrotus* - see Villastrigo *et al.* (2017). The *Hydrovatus* sp. mentioned is based on two females in GNF's collection possibly *acuminatus* Motschulsky. The Noteridae got omitted, *Canthydrus diophthalmus* (Reiche & Saulcy) and *Noterus ponticus* (Sharp) having been reported at the Al-Jahra pools, shown here from an aerial photograph in the book - see also Edmonds *et al.* (2019). *Dineutus grandis* Klug and *Gyrinus distinctus* Aubé are the whirligigs and *Helophorus angustatus* Motschulsky is the only helophorid, unfortunately (and presumably) also listed under Hydrophilidae as "*Hydroporus angustatus* Sturm". Fifteen species of Hydrophilidae are listed, minus the nebulous *angustatus*. The Hydraenidae are *Ochthebius notabilis* Rosenhauer, *O. punctatus* Stephens and *O. zugmayeri* Kniz. Finally, the Spercheidae are included for *Spercheus belli babylonicus* (Hebauer).

VILLASTRIGO A, RIBERA I, MANUEL M, MILLÁN A & FERY H. 2017. A new classification of the tribe Hygrotini Portevin, 1929 (Coleoptera: Dytiscidae: Hydroporinae). *Zootaxa* **4317** (3) 499-529.

