

NEW RECORDS OF *DOLIOPS* WATERHOUSE, 1841 (COLEOPTERA: CERAMBYCIDAE: LAMIINAE) FROM THE PHILIPPINES

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The paper presents new records for 25 species of long-horned beetles of the genus *Doliops* Waterhouse, 1841 (Cerambycidae: Lamiinae) from the Philippines.

Key words: Cerambycidae, *Doliops*, new record, fauna, Philippines.

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INTRODUCTION

The genus *Doliops* belongs to the tribe Apomecynini, subfamily Lamiinae and has been intensively studied in the recent years (Barševskis 2013, 2014, 2015, 2017a, 2017b, 2018, Barševskis & Jaeger 2014, Barševskis & Kairiņš 2019, Cabras & Barševskis, 2015, Cabras, Medina, 2019, Yoshitake & Yamasako, 2016, 2018a, 2018b, Barševskis & Cabras, 2020, Vives, 2005, 2009, 2011, 2012a, 2012b, 2013, 2014, 2015a, 2015b). These studies provided descriptions of new species and updated faunistic data for different species of this genus.

Earlier this year, a faunistic article was published on new findings of the genus *Doliops* Waterhouse, 1841 (Coleoptera: Cerambycidae: Lamiinae) in the Philippines and Taiwan (Barševskis, Cabras 2020). During the year, the beetle collection of Daugavpils University (DUBC) has been

supplemented with new material for this genus: 121 specimens representing 25 species. This paper presents new faunistic data for some species of the genus. Many species of *Doliops* are rare endemics with very narrow distribution ranges. Many of them are threatened and needs urgent protection. It is therefore very important to publish updates on faunistic data and distribution of these endangered species.

MATERIALS AND METHODS

The present study is based on 121 specimens deposited in the collection of Daugavpils University, Institute of Life Sciences and Technology, Coleopterological Research Centre (DUBC), University of Mindanao Coleoptera Research Center, Davao City, Philippines (UMCRC). Specimens at DUBC

were collected by trusted insect collectors while specimens at UMCRC were collected through netting by the second author.

RESULTS

Species list

1. *Doliops ageometrica* Barševskis, 2014 – Philippines: Mindanao isl., Agusan del Sur, Esperanza, 09.2018 (1, local collector leg.); Agusan del Sur, Rosario, 04.2019 (1, local collector leg.); Davao del Sur, Calinan, 09.2018 (1, local collector leg.), 11.2019 (1, local collector leg.), 12.2019 (3, local collector leg.); Davao del Sur, Kapalong, 08.2019 (1, local collector leg.); South Cotabato, Mt. Parker, 01.2019 (1, local collector leg.), 02.2019 (1, local collector leg.); Surigao del Sur, Kabakungan, 02.2019 (1, local collector leg.).

2. *Doliops animula* Kriesche, 1940 – Philippines: Luzon isl., Barlig, Bontoc, 04.2018 (1, local collector leg.), 05.2018 (1, local collector leg.), 01.2019 (1, local collector leg.).

3. *Doliops cabrasae* Barševskis, 2017 (Fig. 1) – Philippines: Mindanao isl., Bukidnon, Dominorog, 02.2019 (1, local collector leg.); Lanao del Sur, Wao, 06.2018 (4, local collector leg.), 07.2018 (1, local collector leg.), 08.2018 (2, local collector leg.), 01.2019 (3, local collector leg.), 05.2019 (2, local collector leg.), 06.2019 (1, local collector leg.), 02.2020 (1, local collector leg.); North Cotabato, Alamada, 12.2018 (1, local collector leg.), 03.2019 (1, local collector leg.); 05.2019 (1, local collector leg.); North Cotabato, Alamada, Dado, 06.2019 (3, local collector leg.).

4. *Doliops cuellari* Vives, 2012 – Philippines: Mindanao isl., Agusan del Sur, Borbon, 08.2018 (1, local collector leg.); Agusan del Sur, Rosario, 04.2019 (1, local collector leg.); Davao del Sur, Kapatagan, 10.2018 (1, local collector leg.).

5. *Doliops daugavpilsis* Barševskis, 2014 (Fig. 2) – Philippines: Mindanao isl., Agusan del Sur, San Francisco, 04.2019 (1, local collector leg.),

05.2019 (2, local collector leg.); Davao del Sur, Calinan, 11.2019 (1, local collector leg.), 12.2019 (1, local collector leg.); South Cotabato, Mt. Parker, 12.2018 (2, local collector leg.).

6. *Doliops duodecimpunctata* Heller, 1923 – Philippines: Mindanao Isl., Agusan del Sur, San Luis, 05. 2018 (1).

7. *Doliops edithae* Vives, 2009 – Philippines: Mindanao isl., Davao del Sur, Kapatagan, 08.2018 (1, local collector leg.), 05.2019 (1, local collector leg.); Davao del Sur, Tambobong, 12.2018 (1, local collector leg.).

8. *Doliops elcanoii* Vives, 2011 – Philippines: Luzon isl., Nueva Viscaya, Kasibu, 06.2020 (1, local collector leg.).

9. *Doliops emmanueli* Vives, 2009 – Philippines: Luzon isl., Nueva Vizcaya, Belance, 09.2019 (2, local collector leg.).

10. *Doliops frosti* Schultze, 1923 (Fig. 3) – Philippines: Samar isl., Lope de Vega, 01.2020 (1, local collector leg.), 02.2020 (3, local collector leg.).

11. *Doliops halconensis* Vives, 2012 – Philippines: Mindoro isl., Baco, 08.2018 (1, local collector leg.), 09.2018 (1, local collector leg.), 09.2019 (1, local collector leg.); Mt. Halcon, Arangin, 09.2018 (4, local collector leg.).

12. *Doliops havai* Barševskis, 2018 (Fig. 4) – Philippines: Luzon isl., Sierra Madre, Isabela, Cabagan, 12. 2019 (1, local collector leg.).

13. *Doliops helenae* Yoshitake & Yamasako, 2018 (Fig. 5) – Philippines: Luzon isl., Cagayan, Sta. Ana, 12.2019 (1, local collector leg.).

14. *Doliops huruki* Barševskis, 2014 – Philippines: Mindanao isl. Davao del Sur, Kapatagan, 10.2018 (1, local collector leg.).

15. *Doliops imitator* Schultze, 1918 – Philippines: Luzon isl., Ilocos del Norte, Adams, 08.2019 (2, local collector leg.), 09.2019 (1, local collector

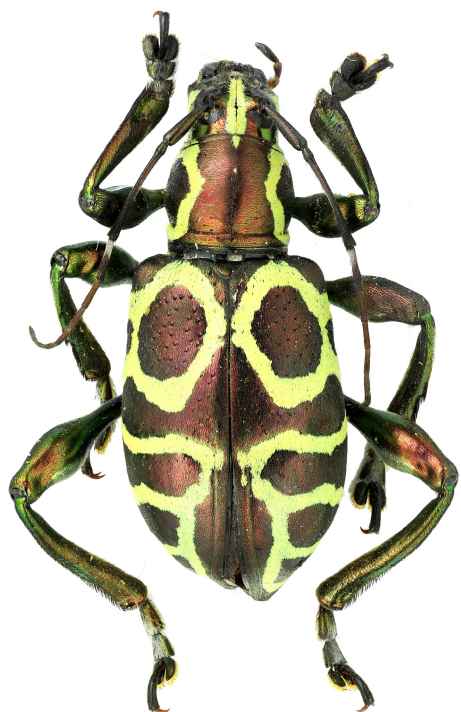


Fig. 1. *Doliops cabrasae* Barševskis, 2017



Fig. 2. *Doliops daugavpilsis* Barševskis, 2014

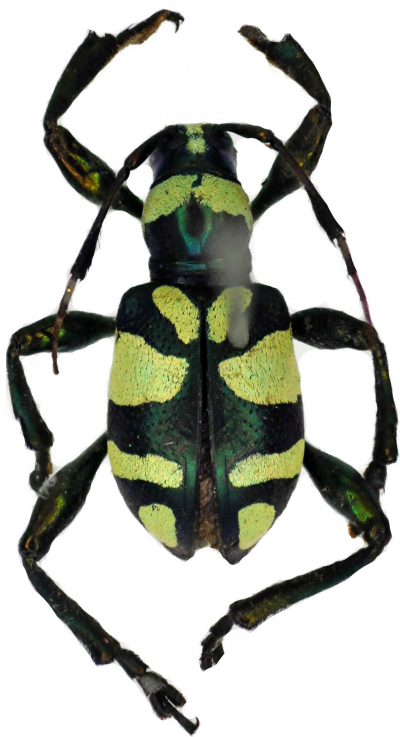


Fig. 3. *Doliops frosti* Schultze, 1923



Fig. 4. *Doliops havai* Barševskis, 2018



Fig. 5. *Doliops helenae* Yoshitake & Yamasako, 2018

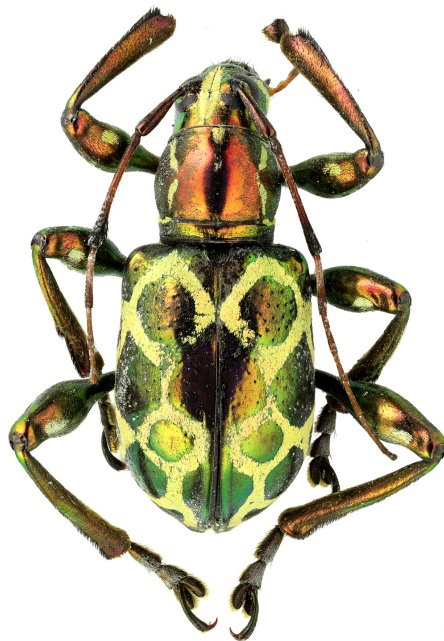


Fig. 6. *Doliops imomzodai* Barševskis, 2017

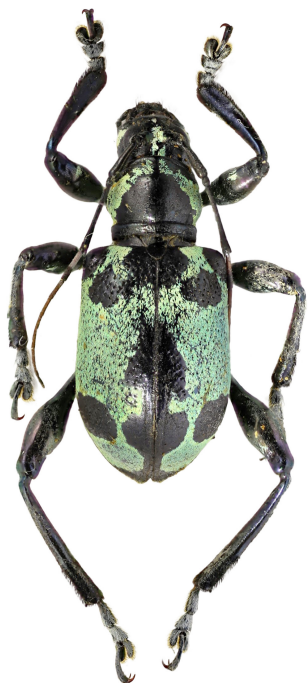


Fig. 7. *Doliops kaorii* Yoshitake & Yamasako, 2018 (color form 1)



Fig. 8. *Doliops kaorii* Yoshitake & Yamasako, 2018 (color form 2)

leg.), 10.2019 (1, local collector leg.), 11.2019 (1, local collector leg.).

16. *Doliops imomzodai* Barševskis, 2017 (Fig. 6) – Philippines: Mindanao isl., Davao del Sur, Gumitan, 02.2019 (1, local collector leg.), 05.2019 (1, local collector leg.), 06.2019 (4, local collector leg.), 07.2019 (1, local collector leg.); Davao del Sur, Tambobong, 10.2018 (3, local collector leg.), 11.2018 (1, local collector leg.), 12.2018 (3, local collector leg.), 01.2019 (1, local collector leg.), 02.2019 (2, local collector leg.).

17. *Doliops isabelae* Vives, 2014 – Philippines: Luzon isl., Isabela, Dinapigue, 04.2018 (1, local collector leg.).

18. *Doliops kaorui* Yoshitake & Yamasako, 2018 (Fig. 7 – 8) – Philippines: Panay isl., Antique, Mt. Madia-as, 09.2018 (1, local collector leg.).

19. *Doliops metallica* Breuning, 1938 – Philippines: Luzon isl., Kasibu, Nueva Viscaya, 04.2020 (1, local collector leg.), 05.2020 (1, local collector leg.).

20. *Doliops mindoroensis* Barševskis, 2017 (Fig. 9) – Philippines: Mindoro isl., Baco, 06.2020 (1, local collector leg.), 07.2020 (2, local collector leg.).

21. *Doliops octomaculata* Breuning, 1938 – Philippines: Luzon isl., Cagayan, Sta Ana, 10.2014 (2);

22. *Doliops pachyrrhynchoides* Heller, 1916 – Philippines: Luzon isl., Mt. Province, Barlig, 09.2018 (1, local collector leg.); Sierra Madre, Aurora, Dingalan, 02.2019 (4, local collector leg.), 06.2020 (3, local collector leg.); Sierra Madre, Aurora, Ditumabo, 10.2018 (2, local collector leg.); Camarines del Sur, Ladonoy, 10.2018 (1, local collector leg.).

23. *Doliops serapavginae* Barševskis, 2014 (Fig. 10) – Philippines: Mindanao isl., Sarangani, Kiamba, 07. 2019 (3, local collector leg.), 11.2019 (1, local collector leg.), 01.2020 (3, local



Fig. 9. *Doliops mindoroensis* Barševskis, 2017

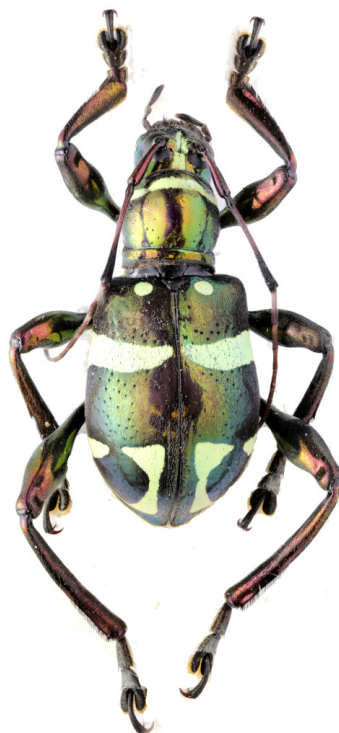


Fig. 10. *Doliops serapavginae* Barševskis, 2014

collector leg.), 03.2020 (1, local collector leg.); South Cotabato, Mt. Parker, 01.2019 (2, local collector leg.).

24. *Doliops stradinsi* Barševskis, 2013 – Philippines: Luzon isl., Mt. Province, Barlig, 10.2018 (1, local collector leg.).

25. *Doliops vivesi* Barševskis, 2013 – Philippines: Luzon isl., Mt. Province, Barlig, 07.2018 (1, local collector leg.), Mt. Province, Bontoc, Barlig, 04.2018 (1, local collector leg.), 01.2019 (1, local collector leg.), 02.2019 (1, local collector leg.).

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