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THE GENUS *DOLIOPS* WATERHOUSE, 1841 (COLEOPTERA: CERAMBYCIDAE)

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The genus *Doliops* Waterhouse, 1841 (Coleoptera: Cerambycidae) is represented by 54 described species, which are distributed mainly in the Philippines archipelago. Only one species, *D. similis* Miwa et Mitono, 1933, is known from Lanyu and Lu Tao islands, belonging to the Taiwan archipelago. The distribution ranges of most species are limited to one or more (only a few species) islands. This local endemism is one of the features of this genus.

The species of the genus are moderately small (10–15 mm), black, often with metallic luster; surface with spots or stripes of pale, greenish, yellow, pink or black scales. The mimicry between *Doliops* and weevils of genera *Pachyrrhynchus*, *Metapocyrtus*, *Polycatus* (Coleoptera: Curculionidae), which are endemics for the Philippines and Taiwan also, is remarkable, because they are morphologically similar by their general habitus and short legs, by the specific shape of antennes, by the coloration and shapes of scales and by other characters [1, 2].

The genus *Doliops* has recently been thoroughly studied and almost every year there are new species described [1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12]. One species, *D. magnifica* (Heller, 1923), has been transferred to the genus *Lamprobityle* Heller, 1923 [5]. Besides that, some new taxonomic changes were proposed by the author also: *D. confluens* Kriesche, 1928 (from *D. siargaoensis confluens* Kriesche, 1928) and *D. geometrica* Waterhouse, 1841 (from *D. geometrica conjuncta* Kriesche, 1928) [3].

The aim of our study is to improve knowledge of the genus *Doliops*. The main part of the studied material is deposited in Daugavpils University beetles collection (DUBC: Ilgas, Daugavpils Distr., Latvia), where about 400 specimens of 43 species, including type specimens for 16 species are located. This article presents data on the fauna and distribution of *Doliops*, as well as the updated checklist for all described species. The data for each species can be found at "Cerambycidae of the World" (www.cerambycidae.org) [13].

In total, 54 species of the genus are known. One species (*D. similis* Miwa et Mitono, 1933) is endemic of Taiwan archipelago, and 53 species are endemics of the Philippines.

The distribution of the genus *Doliops* in the Philippines archipelago: Luzon Isl. (24 (+2?) species), Mindanao Isl. (18 species), Samar Isl. (3 species), Mindoro Isl. (2 species), Negros Isl. (2 species), Babuyan Isl. (1 species), Basilan Isl. (1 species), Bucas Isl. (1 species), Calayan Isl. (1 species), Masbate Isl. (1 species), Polillo Isl. (1 species), Siargao Isl. (1 species) and Taiwan archipelago (1 species).

The taxonomy and fauna of the genus *Doliops* should be further investigated.

The Check-List of the genus *Doliops* Waterhouse, 1841

1. *Doliops ageometrica* Barševskis, 2014 – Philippines: Mindanao
2. *Doliops anichtchenkoi* Barševskis, 2013 – Philippines: Luzon, Mindoro
3. *Doliops animula* Kriesche, 1940 – Philippines: Luzon
4. *Doliops bakeri* Heller, 1924 – Philippines: Negros
5. *Doliops balalaikinsi* Barševskis, 2014 – Philippines: Luzon
6. *Doliops basilana* Heller, 1923 – Philippines: Basilan
7. *Doliops bitriangularis* Breuning, 1947 – Philippines: Luzon
8. *Doliops bukidnoni* Vives, 2013 – Philippines: Mindanao
9. *Doliops confluens* Kriesche, 1928 – Philippines: Bucas, Mindanao
10. *Doliops costatus* Vives, 2012 – Philippines: Mindanao
11. *Doliops cuellari* Vives, 2012 – Philippines: Mindanao
12. *Doliops curculionoides* Waterhouse, 1841 – Luzon?, Masbate, Mindanao, Samar
13. *Doliops daugavpilsii* Barševskis, 2014 – Philippines: Mindanao
15. *Doliops dupaxi* Vives, 2013 – Philippines: Luzon
16. *Doliops edithae* Vives, 2009 – Philippines: Mindanao
17. *Doliops elcanoi* Vives, 2011 – Philippines: Luzon
18. *Doliops emmanueli* Vives, 2009 – Philippines: Luzon
19. *Doliops frosti* Schultze, 1923 – Philippines: Samar
20. *Doliops geometrica* Waterhouse, 1842 – Philippines: Luzon?, Mindanao, Samar
21. *Doliops gertrudis* Hudepohl, 1990 – Philippines: Negros
22. *Doliops gutowskii* Barševskis, 2013 – Philippines: Mindanao
23. *Doliops halconensis* Vives, 2012 – Philippines: Mindoro

24. *Doliops helleri* Vives, 2009 – Philippines: Luzon
25. *Doliops huruki* Barševskis, 2014 – Philippines: Mindanao
26. *Doliops imitator* Schultze, 1918 – Philippines: Luzon
27. *Doliops isabelae* Vives, 2013 – Philippines: Luzon
28. *Doliops ismaeli* Vives, 2005 – Philippines: Babuyan
29. *Doliops jirouxi* Barševskis, 2014 – Philippines: Luzon
30. *Doliops johnvictori* Vives, 2009 – Philippines: Luzon
31. *Doliops kivlenieceae* Barševskis, 2014 – Philippines: Mindanao
32. *Doliops ligata* Schwarzer, 1929 – Philippines: Luzon
33. *Doliops metallica* Breuning, 1938 – Philippines: Luzon
34. *Doliops multifasciata* Schultze, 1922 – Philippines: Mindanao
35. *Doliops octomaculata* Breuning, 1938 – Philippines: Luzon
36. *Doliops pachyrrhynchoides* Heller, 1916 – Philippines: Luzon
37. *Doliops pinedai* Vives, 2012 – Philippines: Luzon
38. *Doliops savenkovi* Barševskis, 2013 – Philippines: Luzon
39. *Doliops schultzei* Barševskis, Jaeger, 2014 – Philippines: Polillo
40. *Doliops serapavginae* Barševskis, 2014 – Philippines: Mindanao
41. *Doliops shavrini* Barševskis, 2013 – Philippines: Luzon
42. *Doliops siargaoensis* Schultze, 1919 – Philippines: Siargao
43. *Doliops similis* Miwa & Mitono, 1933 – Taiwan: Lanyu, Lu Tao
44. *Doliops sklodowskii* Barševskis, 2013 – Philippines: Luzon
45. *Doliops stipraisi* Barševskis, 2014 – Philippines: Mindanao
46. *Doliops stradinsi* Barševskis, 2013 – Philippines: Luzon
47. *Doliops tamutisi* Barševskis, 2014 – Philippines: Mindanao
48. *Doliops taylori* Vives, 2013 – Philippines: Luzon
49. *Doliops transverselineata* Breuning, 1947 – Philippines: Calayan
50. *Doliops urdanetai* Vives, 2011 – Philippines: Luzon
51. *Doliops valainisi* Barševskis, 2013 – Philippines: Mindanao
52. *Doliops villalobosi* Heller, 1926 – Philippines: Mindanao, Samar
53. *Doliops viridisignata* Breuning, 1947 – Philippines: Luzon
54. *Doliops vivesi* Barševskis, 2013. – Philippines: Luzon

References

1. Vives E. 2005. New or interesting Cerambycidae from the Philippines (Part I) (Coleoptera, Cerambycidae). *Les Cahiers Magellanes*, 49: 1–13.
2. Cabigas E. 2010. A Folio of genus *Pachyrrhynchus* Germar model and its mimics. *Salagubang*: 1–51.
3. Barševskis A. 2014. New species and new records of the genus *Doliops* Waterhouse, 1841 (Coleoptera: Cerambycidae). *Baltic J. Coleopterol.*, 14 (1): 113–135.
4. Barševskis A. 2013. Contribution to the knowledge of the genus *Doliops* Waterhouse, 1841 (Coleoptera: Cerambycidae). *Baltic J. Coleopterol.*, 13 (2): 73–89.
5. Barševskis A., Jäger O., 2014. Type specimens of the genera *Doliops* Waterhouse, 1841 and *Lamprobityle* Heller, 1923 (stat. nov.) (Coleoptera: Cerambycidae)

and description of two new species deposited in Senckenberg Natural History collections Dresden, Germany. *Baltic J. Coleopterol.*, 14(1): 7 – 19.

6. Vives E. 2014. New or interesting Cerambycidae from Philippines (VIII) : the genus *Faustabryna* Breuning, 1961 (Coleoptera, Cerambycidae, Lamiinae). *Les Cahiers Magellanes*, NS, No15: 6–13.

7. Vives E. 2009a. New or interesting Cerambycidae from the Philippines (Part II) (Coleoptera, Cerambycidae). *Les Cahiers Magellanes*, 88: 1 – 25.

8. Vives E. 2009b. New or interesting Cerambycidae from the Philippines (Part III) (Coleoptera, Cerambycidae). *Les Cahiers Magellanes*, 105: 1 – 20.

9. Vives E. 2011. New or interesting Cerambycidae from the Philippines (Part IV) (Coleoptera, Cerambycidae). *Les Cahiers Magellanes*, NS, 3: 9 – 19.

10. Vives E. 2012a. New or interesting Cerambycidae from the Philippines (Part V) (Coleoptera, Cerambycidae). *Les Cahiers Magellanes*, NS, 7: 70 – 82.

11. Vives E. 2012b. New or interesting Cerambycidae from the Philippines (Part VI) (Coleoptera, Cerambycidae). *Les Cahiers Magellanes*, NS, 9: 34 – 46.

12. Vives E. 2013. New or interesting Cerambycidae from the Philippines (Part VII) (Coleoptera, Cerambycidae). *Les Cahiers Magellanes*, NS, 11: 62 – 75.

13. Barševskis A. et al (eds.) 2015. Cerambycidae of the world. www.cerambycidae.org [uploaded 10.08.2015]