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SHORT CONTRIBUTION TO THE GENUS *PACHYRHYNCHUS* FROM THE PHILIPPINES (COLEOPTERA: CURCULIONIDAE: PACHYRHYNCHINI)

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The following species are newly recorded from the Philippines: *Pachyrhynchus apicatus* Schultze, 1922 (Luzon); *Pachyrhynchus occidentalis* Rukmane, 2017 (Visayas); *Pachyrhynchus rukmanae* Barševskis, 2016 (Luzon); *Pachyrhynchus speciosus* Waterhouse, 1841 (Visayas).

Key words: faunistics, new records, Coleoptera, Curculionidae, Pachyrhynchus, the Philippines.

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INTRODUCTION

The genus *Pachyrhynchus* Germar, 1824 belong to subfamily Entiminae recently contains 145 species and subspecies (Rukmane 2018). The genus is well known from Oriental Region, with predomination in The Philippnes (93%) and few species distributed in Indonesia (4%) and Japan (3%) (Rukmane 2018). In the present short article four species are newly recorded.

MATERIAL AND METHODS

The mentioned specimens deposited in collections:

JHAC - Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-west, Czech Republic;

DUBC - Beetles Collection of Coleopterological Research Center, Institute of Life Sciences and Technology, Daugavpils University (Daugavpils, Latvia).

All material determined by second author Anita Rukmane.

RESULTS

Pachyrhynchus apicatus Schultze, 1922

Material examined: Philippines, West Luzon, Aurora, Dingalan, Sierra Madre, June 2018, local coll., 2 spec., (JHAC); June 2014, 1 spec., July 2014, 1 spec., September 2014, 1 spec, November 2014, 1 spec., June 2015, 1 spec., November 2015, 1 spec., April 2016, 1 spec., May 2016, 1. spec, all by local collectors (DUBC).

Total: 10 specimens.
Distribution. Species known from Philippines: Polillo, new for Luzon.

***Pachyrhynchus occidentalis* Rukmane, 2017**

Material examined: Philippines, Visayas, Samar, Lope de Vega, June 2018, local coll., 1 spec., (JHAC).

Distribution. Species known from Philippines: Mindanao, new for Visayas.

***Pachyrhynchus rukmaneae* Barševskis, 2016** (Fig. 1)

Material examined: Philippines, Luzon, II. 2017, local coll., 1 spec., (JHAC).

Distribution. Species known from Philippines: Marinduque, new for Luzon.

***Pachyrhynchus speciosus* Waterhouse, 1841**
Material examined: Philippines, Visayas, Samar, Hinabangan, March 2018, local coll., 1 spec., (JHAC); May 2013, 1 spec., August 2013, 1 spec., October 2015, 2 spec., January 2016, 1 spec., May 2016, 1 spec., June 2016, 1 spec., October 2017, 2 spec., all by local collectors (DUBC).

Total: 10 specimens.

Distribution. Species known from Philippines: Mindanao, new for Visayas.

DISCUSSION

Current study showed new distribution range for four species of genus *Pachyrhynchus*.

Pachyrhynchus apicatus Schultze, 1922 which were previously recorded only from Pollilo island occure also on Luzon Island. Another case of such distribution range were previously recorded only for *Pachyrhynchus moniliferus* Germar, 1824 (Schultze 1923). Repetative cases of various species abundant on both islands reveals new possible distribution pathway for species of genus *Pachyrhynchus*, furter investigation of species common for both Pollilo and Luzon Islands is required.

Pachyrhynchus occidentalis Rukmane, 2017 which were previously recorded only from Mindanao Island occure also on Samar Island. In various articles about species distribution pathways authors refer to greater Mindanao or Mindanao PAIC (pleistocene aggregate island complex) species distribution. Similairly with *Pachyrhynchus speciosus* Waterhouse, 1841 which according to new distribution data is also distributed on Mindanao and Samar Islands.

Fig.1. Dorsal habitus of: *P. rukmaneae.*

Pachyrhynchus rukmaneae Barševskis, 2016 which were previously recorded only from Marinduque Island occure also on Luzon Island. This species exhabits allopatric convergence in color and markings with *Pachyrhynchus masatoshii* Yoshitake & Yap, 2018 from Luzon Island.

On account of flightless abbilities and attraction to mountain ecosystems, weevils of genus *Pachyrhynchus* show high level of endemism and one particular species tend to inhabit single island, which is the case for mayority of species in genus. Neverless, previous studies revealed that some species tend to occure on various islands, for exampe *P. erichsoni* Waterhouse, 1841 which is abundant on both Luzon and Mindanao (Schultze 1923). Current study is one more assertion.

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