

NEW RECORDS OF THE GENUS *MEGALOXANTHA* KERREMANS, 1902 (COLEOPTERA: BUPRESTIDAE)

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The article contains faunistic data on thirteen taxa of the genus *Megaloxantha* Kerremans, 1902 collected mainly in the Oriental Region.

Key words: Fauna, Buprestidae, *Megaloxantha*, Oriental region, distribution.

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INTRODUCTION

The genus *Megaloxantha* Kerremans, 1902 (Coleoptera: Buprestidae) is one of the largest known jewel beetles or metallic wood-boring beetles in the world, with a length of up to 80 mm. They occur mainly in the Oriental Region, but some taxa also are known from the Palearctic Region. Most taxa are local endemics with very narrow distribution range. There are 15 species and many subspecies in the world's fauna. Insufficient material in collections does not allow the status of some taxa to be clearly defined (Bellamy 2008, 2009).

In recent years, this genus has attracted the attention of many researchers. As a result, many new taxa have been described, mainly at the subspecies level. This genus has been studied by Endo (1992, 1993, 2002), Holynski (2009), Kurosawa (1978, 1991).

One of the most complete revisions of the genus *Megaloxantha* was published about 40 years

ago (Kurosawa 1978), which contains a key to the species. However, many new taxa have been described in later years, especially at the subspecies level, whose taxonomic status is still unclear. Kurosawa (1991) has described several new species and subspecies of this genus from the Oriental Region. Endo (1992) immediately described three new species from the Philippine Archipelago, and a year later one subspecies from Indonesia (Endo, 1993). He has also published taxonomic data on the genus *Megaloxantha* (Endo, 1995) and described several new taxa (Endo, 1996, 1998, 2000).

This article provides faunistic data on 13 taxa of this genus in the Oriental Region. There are few published faunistic papers on *Megaloxantha*. The purpose of this article is to supplement the information on the distribution of this genus in the Oriental region.

MATERIAL AND METHODS

The studied material of the genus *Megaloxantha*

is deposited in the beetles' collection of Daugavpils University, Institute of Life Sciences and Technology, Coleopterological Research Centre (DUBC), Ilgas, Daugavpils Distr., Latvia.

The laboratory research has been performed using *Nikon AZ100*, *Nikon SMZ745T* and *Zeiss Stereo Lumar V12* digital stereomicroscopes, *NIS-Elements 6D* software. The habitus photographs were obtained with a digital camera *Canon EOS 6D* with *Canon MP-E 65 mm* macro lens, using *Helicon Focus* auto montage and subsequently were edited with *Photoshop*.

RESULTS

Faunal data

1. *Megaloxantha arcuatifasciata arcuatifasciata* Kurosawa, 1978

Philippines: Mindanao isl., Bukidnon, 11.2014 (1, local collector leg.); Mindanao, Bukidnon, Cabanglasan, 11.2014 (2, local collector leg.), 10.2014 (1, local collector leg.), 01.2015 (2, local collector leg.), 08.2014 (1, local collector leg.), 09.2014 (4, local collector leg.), 12.2014 (2, local collector leg.).

2. *Megaloxantha arcuatifasciata ssp. fujimoriae* Endo, 1994

Philippines: Eastern Visayas, Northern Samar, Lope de Vega, 10.2016 (1, local collector leg.), 04.2017 (5, local collector leg.); Eastern Visayas, Samar isl., 08.2013 (1, local collector leg.); Eastern Visayas, Samar, Marabut, 02.2015 (1, local collector leg.).

3. *Megaloxantha arcuatifasciata sakumai* Endo, 1995

Philippines: Luzon isl., Nueva Vizcaya, Kayapa, 09.2013 (1, local collector leg.).

4. *Megaloxantha bicolor ohtanii* Kurosawa, 1991 (Fig. 1)

Indonesia: East Java, Mt. Semeru, 01.2015 (1, local collector leg.), 02.2015 (1 local collector leg.); East Java, Mt. Argopuro, 12.2015 (2, local

collector leg.)

5. *Megaloxantha brunnea brunnea* (Saunders, 1866)

Vietnam: Tam Dao, 05.2015 (1 local collector leg.); Lam Dong, Bao Lao, 08.2017 (1 local collector leg.), 08.2016 (1 local collector leg.), 06.2014 (2 local collector leg.), 06.2017 (1 local collector leg.), 09.2017 (1 local collector leg.); Ha Giang, Lung Cu, 08.2019 (1 local collector leg.), 04.2019 (1 local collector leg.).

6. *Megaloxantha concolor* (Kurosawa, 1978) (Fig. 2)

Malaysia: Cameron Highlands, 03.2010 (1, local collector leg.), Tapah Hills, Perak, 06.2014 (1, local collector leg.), 06.2018 (1, local collector leg.).

7. *Megaloxantha daleni ssp. kyokoae* (Endo, 1995) (Fig. 3)

Malaysia: Tapah Hills, Perak, 05.2013 (2, local collector leg.), 04.2012 (1, local collector leg.); Cameron Highlands 05.2013 (3, local collector leg.).

8. *Megaloxantha descarpentrii ssp. descarpentrii* (Kurosawa, 1978)

Malaysia: Tapah Hills, Perak, 04.2014 (1, local

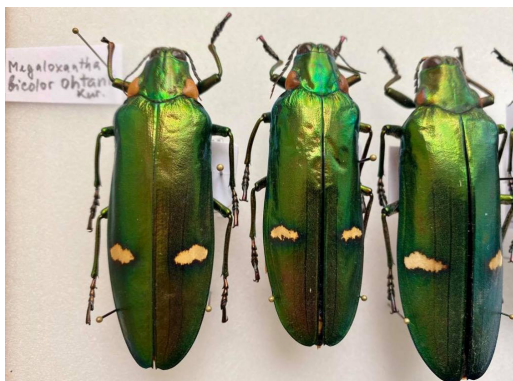


Fig. 1. *Megaloxantha bicolor ohtanii* Kurosawa, 1991

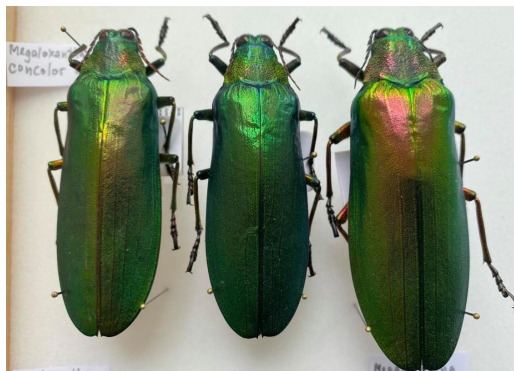


Fig. 2. *Megaloxantha concolor* (Kurosawa, 1978)



Fig. 3. *Megaloxantha daleni* ssp. *kyokoae* (Endo, 1995)



Fig. 4. *Megaloxantha hemixantha* ssp. *hemixantha* (Snellen van Vollenhoven, 1864)



Fig. 5. *Megaloxantha nigricornis nigricornis* Deyrolle, 1864



Fig. 6. *Megaloxantha nishiyamai* Endo, 1992



Fig. 7. *Megaloxantha palawanica* Kurosawa, 1978

collector leg.), 02.2013 (4, local collector leg.), 06.2013 (1, local collector leg.).

9. *Megaloxantha hemixantha* ssp. *hemixantha* (Snellen van Vollenhoven, 1864) (Fig. 4)

Malaysia: Tapah Hills, Perak, 04.2013 (5 local collector leg.), 06.2019 (1 local collector leg.), 06.2015 (1 local collector leg.); Cameron Highlands, 05.2014 (1 local collector leg.).

10. *Megaloxantha nigricornis nigricornis* Deyrolle, 1864 (Fig. 5)

Thailand: Lamphun, 05.2014 (1, local collector leg.), 10.2012 (1, local collector leg.), 06.2007 (3, local collector leg.); Lampang, Wang Nuea, 06.2018 (2, local collector leg.), 08.2014 (3, local collector leg.), 05.2012 (1, local collector leg.), 05.2014 (2, local collector leg.); Chiang Mai 05.2014 (3, local collector leg.); Chiang Mai, Doi Saket, 12.2002 (1, local collector leg.); Lampang, Mae Tha, 06.2012 (1 local collector leg.), 06.2014 (1 local collector leg.). **Malaysia:** Tapah Hills, Perak, 05.2013 (2, local collector leg.), 03.2013 (2, local collector leg.) 04.2018 (4, local collector leg.). **Vietnam:** Binh Thuan, Dong Tien, 06.2016 (1, local collector leg.).

11. *Megaloxantha nishiyamai* Endo, 1992 (Fig. 6.)

Philippines: Mindoro isl., Mt. Halcon, 08.2017 (1, local collector leg.), 05.2019 (1, local collector leg.).

12. *Megaloxantha palawanica* Kurosawa, 1978 (Fig. 7)

Philippines: Palawan isl., Brokes Point, 08.2018 (2, local collector leg.), 09.2015 (3, local collector leg.), 09.2013 (6, local collector leg.), 10.2015 (1, local collector leg.), 08.2013 (1, local collector leg.), 05.2013 (1, local collector leg.), 06. 2018 (1, local collector leg.), 11.2018 (1, local collector leg.), 10.2014 (1, local collector leg.), 10.2014 (1, local collector leg.), 09.2014 (1, local collector

leg.; Palawan, Mt. Gantung, 02.2016 (3, local collector leg.).

13. *Megaloxantha purpurascens* ssp. *peninsulae* (Ritsema, 1879)

Malaysia: Tapah Hills, Perak, 06.2013 (3, local collector leg.), 09.2014 (2, local collector leg.) 08.2014 (1, local collector leg.), 07.2014 (1, local collector leg.), 04.2014 (1, local collector leg.) 02.2013 (2, local collector leg.); Cameron Highlands 05.2014 (1, local collector leg.), 05.2013 (2, local collector leg.), 10.2007 local collector leg. (1, local collector leg.).

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