

Weevils (Coleoptera, Curculionoidea) New to the Fauna of the Tokara Islands, the Ryukyus, Southwestern Japan

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Abstract A total of 27 weevils belonging to four families are newly recorded from the Tokara Islands, the Ryukyus, southwestern Japan. Of which, two and three species represented their northern and southern distributional limits, respectively, in the islands.

A study on the weevil fauna of the Tokara Islands, which belong to Kagoshima Prefecture as administrative division, has recently been initiated to clarify them by the authors since little is known about the fauna in spite of its biogeographic importance as the boundary between the Palaearctic and Oriental Regions (KOJIMA & FUJISAWA, 2015). In this short report, we will record weevils new to the fauna of the islands based on the materials collected by ourselves and Dr. Masahiro ÔHARA of the Hokkaido University Museum, Sapporo. Though the exact number of species known from the islands is now under investigation, more than 150 species may exist in this area (KOJIMA *et al.*, unpublished data).

Scientific names follow recent catalogues edited by LÖBL and SMETANA (2011, 2013) and monographs of MORIMOTO *et al.*, (2015) and YOSHIHARA (2016). The following abbreviations are used for collector names in the text: HK — Hiroaki KOJIMA, HY — Hiraku YOSHITAKE, MO — Masahiro ÔHARA and YF — Yûsuke FUJISAWA. Specimens treated here are preserved in the Laboratory of Entomology, Tokyo University of Agriculture, Atsugi (TUA) and Institute for Agro-Environmental Sciences, NARO (NIAES).

Family Anthribidae

1. *Autotropis okinawana* MORIMOTO, 1981
1 ex., Ue-shûraku, Akuseki-jima Is., 5 to 9.III.2013, HK.
This is the northernmost record of this species.

Family Dryophthoridae

2. *Dryophthorus sculpturatus* (WOLLASTON, 1873)
1 ex., nr. Shûraku, Kuchinoshima Is., 10.III.2013, HK.
This is the southernmost record of this species.

3. *Sitophilus oryzae* (LINNAEUS, 1763)
1 ex., Kodakara-jima Is., 3.V.2013, HK.

Family **Eriirhinidae**

4. *Echinocnemus squameus* (BOHEMAN, 1835)
1 ex., Nakanoshima Is., 15.VII.1982, MO.
5. *Tanysphyrus major* ROELOFS, 1874
2 exs., Nakanoshima Is., 15.VII.1982, MO.

Family **Curculionidae**

6. *Curculio funebris* (ROELOFS, 1875)
Kuchinoshima Is.: 1 ex., Shûraku, 4.V.2013, N. ITO; 1 ex., Seranma, 5.V.2013, HK. Nakanoshima Is.: 1 ex., Yoriki, 15.III.2013, HK; 8 exs., Otake, 13 to 16.III.2013, HK; 1 ex., 13.III.2013, D. WATABIKI. Akuseki-jima Is.: 1 ex., Ue-shûraku, 2.VII.2015, YF; 1 ex., Mt. Mitake, 5 to 8.III.2013, HK.
7. *Curculio lateritius* MORIMOTO, 1981
9 exs., Shûraku, Kuchinoshima Is., 3.V.2013, HK.
8. *Ixalma hilleri* ROELOFS, 1879
1 ex., Rindô Nakanoshimasen (East), Nakanoshima Is., 30.IX.2015, HK.
9. *Imachra maetai* (MORIMOTO, 1964)
1 ex., Ue-shûraku, Akuseki-jima Is., 5 to 9.III.2013, HK.
10. *Orchestes truncatipennis* (MORIMOTO, 1984)
3 exs., Rindô Nakanoshimasen (East), Nakanoshima Is., 2.X.2015, HK.
11. *Batobaris rubi* MORIMOTO et YOSHIHARA, 1996
1 ex., Nakanoshima Is., 14.VII.1982, MO.
12. *Rhinoncus cribricollis* HUSTACHE, 1916
60 exs., Shûraku, Kuchinoshima Is., 5 to 7.X.2016, HK & HY, on *Polygonum* sp. (Polygonaceae).
This is the southernmost record of this species. All past records of *Rhinoncus sibiricus* FAUST, 1893 from the Ryukyus (cf. SASAKI *et al.*, 2002) are apparently in need of revision.
13. *Nespilobaris metabasimaculata* YOSHIHARA, 2016
1 ex., Mt. Otake, Nakanoshima Is., 13 to 16.III.2013, HK.

14. *Trachyploeosoma roelofsi* SHARP, 1896

9 exs., Rindô Kuchinoshima-sen, Kuchinoshima Is., 3.V.2013, HK.

15. *Hypera postica* (GYLLENHAL, 1813)

1 ex., Takara-jima Is., 12.III.2013, YF. 1 ex., Kodakara-jima Is., 3.V.2013, HK.

16. *Colobodellus postfasciatus* MORIMOTO et MIYAKAWA, 1985

Kuchinoshima Is.: 3 exs., Seranma, 28.III.2013, HK; 3 exs., 1.V.2013, HK; 1 ex., nr. Shûraku, 7.VII.2015, HK. Nakanoshima Is.: 9 exs., Satomura, 13.III.2013, YF; 2 exs., 13.III.2013, N. Ito; 1 ex., 16.III.2013, N. ITO. 1 ex., Akuseki-jima Is.: Mt. Megamiyama, 3.VII.2015, HK; 1 ex., Ue-shûraku, 5 to 9.III.2013, HK; 1 ex., Mt. Birouyama, 6 to 8.III.2013, HK. 1 ex., Shûraku, Takara-jima Is., 10 to 11.III.2013, HK.

17. *Colobodes rutundicollis* MORIMOTO, 1988

1 ex., Nakanoshima Is., 17.VII.1982, MO. 1 ex., Nonze-misaki, Akuseki-jima Is., 6.III.2013, HK.

This is the northernmost record of this species.

18. *Merus takahashii* (KÔNO, 1930)

4 exs., Shiizaki, Nakanoshima Is., 1.X.2015, HK, on *Cinnamomum japonicum* (Lauraceae).

19. *Shirahoshizo rufescens* (ROELOFS, 1875)

1 ex., Satomura, Nakanoshima Is., 14.III.2013, HK. 1 ex., Yudomari, Akuseki-jima Is., 30.VI.2015, YF. 1 ex., Takara-jima Is., 12.III.2013, YF.

20. *Shirahoshizo insidiosus* (ROELOFS, 1875)

1 ex., Seranma, Kuchinoshima Is., 7.VII.2015, HK. 1 ex., Tsumiishi, Takara-jima Is., 11.III.2013, YF.

21. *Kojimazo lewisii* (WOLLASTON, 1873)

Kuchinoshima Is.: 1 ex., Shûraku, 4.V.2013, HK; 1 ex., nr. Shûraku, 7.VII.2015, HK; 40 exs., Seranma, 28.III.2013, HK; 15 exs., 1.V.2013, HK. Nakanoshima Is.: 2 exs., Mt. Otake, 17.III.2013, YF; 1 ex., Yoriki, 15.III.2013, HK; 1 ex., 17.III.2013, YF; 1 ex., Nakanoshima-rindô, 16.III.2013, HK; 6 exs., Nanatsuyama, 14.III.2013, HK. 1 ex., Ue-shûraku, Akuseki-jima Is., 5 to 9.III.2013, HK.

22. *Pholidoforus squamosus* WOLLASTON, 1873

Kuchinoshima Is.: 5 exs., Shûraku, 2.V.2013, HK; 4 exs., 6.V.2013, HK; 1 ex., Hirase, 29.III.2013, HK; 1 ex., 4.V.2013, HK; 1 ex., Seranma, 1.V.2013, HK. Nakanoshima Is.: 1 ex., 13.VII.1982, MO; 3 exs., Yoriki, 15.III.2013, HK; 1 ex., Mt. Otake, 13 to 16.III.2013, HK; 2 exs., Furusato, 14.III.2013, YF. Akuseki-jima Is.: 1 ex., 24.VII.1982, MO; 4 exs., Mt. Birouyama, 6 to 8.III.2013, HK; 1 ex., Ue-shûraku, 5 to 9.VII.2013, HK. Takara-jima Is.: 1 ex., Mt. Imakiradake, 9.III.2013, HK; 2 exs., Mt. Megamiyama, 11.III.2013, HK; 1 ex., 12.III.2013, YF; 4 exs., 12.III.2013, YF; 11 exs., Sengo-sen, 11.III.2013, HK.

23. *Pseudocossonus brevitarsis* WOLLASTON, 1873

Nakanoshima Is.: 47 exs., Nanatsuyama, 14.III.2013, HK; 2 exs., Rindô Shiizaki-sen, 15.III.2013, HK, on *Pleioblastus linearis* (Poaceae). 1 ex., Akuseki-jima Is., 27.VII.1982, MO.

This is the southernmost record of this species.

24. *Stenoscelis gracilitarsis* WOLLASTON, 1873

2 exs., Nakanoshima Is., 16.VII.1982, MO. Akuseki-jima Is.: 1 ex., Mt. Negami-yama, 7 to 8.III.2013, HK; 1 ex., Ue-shûraku, 7.III.2013, YF.

25. *Macrorhyncholus crassiusculus* WOLLASTON, 1873

5 exs., Seranma, Kuchinoshima Is., 1.V.2014, N. ITO. 3 exs., Kusuki, Nakanoshima Is., 14.III.2013, YF. 5 exs., Ue-shûraku, Akuseki-jima Is., 7.III.2013, YF.

26. *Microtribodes splendidus* KONISHI, 1962

Kodakara-jima Is.: 9 exs., 23.III.2013, HK; 2 exs., 3.V.2013, HK. Takarajima Is.: 1 ex., Mt. Imakiradake, 9.III.2013, HK; 3 exs., nr. Ôike, 10.III.2013, HK.

27. *Listroderes costirostris* SCHOENHERR, 1826

1 ex., Rindô Shiizaki-sen, Nakanoshima Is., 15.III.2013, HK. 1 ex., Ueshûraku to Mt. Megami-yama, Akuseki-jima Is., 5.VII.2015, HK.

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要 約

小島弘昭・藤澤侑典・吉武啓：トカラ列島から新記録のゾウムシ上科甲虫（鞘翅目）。———トカラ列島から新記録となるゾウムシ上科4科27種を記録した。このうちの5種がトカラ列島を分布限界（南限もしくは北限）としていた。トカラ列島のゾウムシ相に関する調査研究ははじめられたばかりだが、これまでの調査で少なくとも150種を越すゾウムシ類が得られている。

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