

## Record of Some Weevils New to the Fauna of Tokunoshima Island, Southwest Japan

Hiroaki KOJIMA<sup>1)</sup> and Yoshie KAGA<sup>2)</sup>

<sup>1)</sup>Laboratory of Entomology, Tokyo University of Agriculture,  
1737 Funako, Atsugi, Kanagawa, 243-0034 Japan

<sup>2)</sup>28-46 Kurobegaoka, Hiratsuka, Kanagawa, 254-0821 Japan

Tokunoshima is the second largest island located in the middle of the Amami Islands, the Ryukyus, southwest Japan. The island has unique fauna and flora including endemic species, most of which are coincident with the largest main island, Amami-Ōshima. The weevil fauna of the island is not yet clarified well. Presently, only 27 species have been known from the island instead of about 140 species known from Amami-Ōshima (AZUMA *et al.*, 2002; KOJIMA & MORIMOTO, 2004).

We herein record 29 species new to the island based on a recent short survey conducted at the end of March 2011.

Collectors' names are abbreviated as follows: HK: Hiroaki KOJIMA; YK: Yoshie KAGA and KW: Kyōhei WATANABE.

We thank Dr. Katsura MORIMOTO (Fukuoka) for his review of the manuscript, and Mrs. Tamiko UCHIDA (Uchida Guest House, Kametoku) and Mr. Kyōhei WATANABE (Tokyo University of Agriculture) for their kind help in many ways.

### Anthribidae

1. *Autotropis okinawana* MORIMOTO, 1981  
1 ex., Yamakubiri-rindō, Tokunoshima-chō, 26-III-2011, KW; 1 ex., Tete-rindō, Tokunoshima-chō, 27-III-2011, KW.
2. *Araecerus laevipennis* JORDAN, 1924  
1 ex., Mikyō-rindō, Amagi-chō, 28-III-2011, HK; 1 ex., Kanami, Tokunoshima-chō, 29-III-2011, HK;  
1 ex., Yonama, Amagi-chō, 29-III-2011, YK.
3. *Stenorhis hirashimai* MORIMOTO, 1978  
3 exs., Kamuiyakinomori, Asan, Isen-chō, 29-III-2011, YK.

### Rhynchitidae

4. *Involvulus cornix* SAWADA, 1993  
1 ex., Tete-rindō, Tokunoshima-chō, 27-III-2011, HK.
5. *Auletobius planifrons* SAWADA, 1993  
1 ex., Tete-rindō, Tokunoshima-chō, 27-III-2011, HK; 2 exs., KW; 2 exs., Mikyō-rindō, Amagi-chō,  
28-III-2011, HK; 1 ex., YK; 1 ex., Kametsu, Tokunoshima-chō, 28-III-2011, HK; 1 ex., Mt. Yamatogusuku, Amagi-chō, 28-III-2011, YK.
6. *Deporaus insularis* SAWADA, 1993  
5 exs., Yamakubiri-rindō, Tokunoshima-chō, 26-III-2011, HK; 3 exs., YK; 1 ex., Kametsu, Tokunoshima-chō, 28-III-2011, YK; 1 ex., Mt. Yamatogusuku, Amagi-chō, 28-III-2011, YK.

## Dryophthoridae

7. *Dryophthorus japonicus* KONISHI, 1963  
1 ex., Kamuiyakinomori, Asan, Isen-chô, 29-III-2011, KW.
8. *Odoiporus longicollis* (OLIVIER, 1807)  
2 exs., Kametoku, Tokunoshima-chô, 27-III-2011, HK; 7 exs., YK.  
The weevil is becoming serious pest of cultivated banana on the island.

## Curculionidae

9. *Curculio lateritius* MORIMOTO, 1981  
2 exs., Kametsu, Tokunoshima-chô, 28-III-2011, HK.
10. *Sphinxis ovalis* KOJIMA et MORIMOTO, 2000  
2 exs., Tete-rindô, Tokunoshima-chô, 27-III-2011, HK; 1 ex., YK; 8 exs., Kamuiyakinomori, Asan, Isen-chô, 29-III-2011, HK; 2 exs., Hagedake-rindô, Tokunoshima-chô~Amagi-chô, 30-III-2011, YK.  
Weevils were captured on *Elaeocarpus sylvestris* var. *ellipticus* and *E. japonicus* (Elaeocarpaceae; Horutonoki and Kobanmochi in Japanese).
11. *Sphinxis ihai* (CHÛJÔ et VOSS, 1960)  
2 exs., Yamakubiri-rindo, Tokunoshima-chô, 26-III-2011, HK; 1 ex., YK; 7 exs., Tete-rindô, Tokunoshima-chô, 27-III-2011, HK; 2 exs., KW; 1 ex., YK; 2 exs., Mikyô-rindô, Amagi-chô, 28-III-2011, HK; 4 exs., Mt. Yamatogusuku, Amagi-chô, 28-III-2011, HK; 2 exs., Kamuiyakinomori, Asan, Isen-chô, 29-III-2011, HK; 1 ex., YK.  
Weevils were captured on *Elaeocarpus* spp. together with *S. ovalis*.
12. *Anthonomus okinawanus* KOJIMA et MORIMOTO, 1994  
2 exs., Tete-rindô, Tokunoshima-chô, 27-III-2011, HK; 16 exs., Kamuiyakinomori, Asan, Isen-chô, 29-III-2011, HK; 1 ex., Hagedake-rindô, Tokunoshima-chô~Amagi-chô, 30-III-2011, YK.  
A number of adults were captured on the flowers of *Symplocos microcalyx* (Symplocaceae; Amashiba in Japanese).
13. *Anthonomus ryukyuensis* KOJIMA et MORIMOTO, 1994  
1 ex., Kanami, Tokunoshima-chô, 29-III-2011, HK.  
Single female was captured on *Rhaphiolepis indica* var. *umbellate* (Rosaceae; Sharinbai in Japanese).
14. *Imachra decipiens* (ROELOFS, 1875)  
1 ex., Kametsu, Tokunoshima-chô, 28-III-2011, HK; 1 ex., Kamuiyakinomori, Asan, Isen-chô, 29-III-2011, HK; 1 ex., Hagedake-rindô, Tokunoshima-chô, 30-III-2011, HK.
15. *Imachra maetai* (MORIMOTO, 1964)  
1 ex., Tete-rindô, Tokunoshima-chô, 27-III-2011, HK.
16. *Orchestes truncatipennis* (MORIMOTO, 1984)  
2 exs., Hagedake-rindô, Tokunoshima-chô, 30-III-2011, HK; 3 exs., Hagedake-rindô, Tokunoshima-chô~Amagi-chô, 30-III-2011, YK.
17. *Ixalma hilleri* ROELOFS, 1879  
1 ex., Tete-rindô, Tokunoshima-chô, 27-III-2011, KW.
18. *Demimaesa minuta* VOSS, 1937  
1 ex., Tete-rindô, Tokunoshima-chô, 27-III-2011, KW; 1 ex., Hagedake-rindô, Amagi-chô, 30-III-2011, HK.
19. *Heterendaeus miyamotoi* MORIMOTO, 1962  
1 ex., Mikyô-rindô, Amagi-chô, 28-III-2011, HK; 1 ex., YK.
20. *Scleropteroides insulare* (VOSS, 1971)  
2 exs., Mikyô-rindô, Amagi-chô, 28-III-2011, HK; 1 ex., Hagedake-rindô, Tokunoshima-chô, 30-III-2011, HK; 3 exs., Hagedake-rindô, Tokunoshima-chô~Amagi-chô, 30-III-2011, YK.
21. *Telephae matsudai* MORIMOTO, 1960

- 1 ex., Hagedake-rindô, Tokunoshima-chô, 30-III-2011, HK.
22. *Microcryptorhynchus nipponicus* MORIMOTO et MIYAKAWA, 1985  
1 ex., Tete-rindô, Tokunoshima-chô, 27-III-2011, HK; 1 ex., Mikyô-rindô, Amagi-chô, 28-III-2011, HK; 6 exs., Kamuiyakinomori, Asan, Isen-chô, 29-III-2011, HK.
23. *Simulatacalles simulator* (ROELOFS, 1875)  
1 ex., Yamakubiri-rindô, Tokunoshima-chô, 26-III-2011, KW.
24. *Syrotelus umbrosus* (ROELOFS, 1875)  
1 ex., Tete-rindô, Tokunoshima-chô, 27-III-2011, HK.
25. *Lepidepistomoides griseoides* (ZUMPT, 1937)  
1 ex., Yamakubiri-rindô, Tokunoshima-chô, 26-III-2011, HK; 1 ex., KW; 3 exs., Tete-rindô, Tokunoshima-chô, 27-III-2011, HK; 4 exs., Mikyô-rindô, Amagi-chô, 28-III-2011, HK; 11 exs., Kamuiyakinomori, Asan, Isen-chô, 29-III-2011, HK; 1 ex., YK.
26. *Phaeopholus ornatus* ROELOFS, 1873  
1 ex., Yamakubiri-rindô, Tokunoshima-chô, 26-III-2011, HK.  
This is the first record from the Ryukyus.
27. *Aclees hirayamai* KÔNO, 1933  
1 ex., Matsubara, Amagi-chô, 29-III-2011, YK.
28. *Deretiosopsis nigrisetis* MORIMOTO, 1988  
1 ex., Yamakubiri-rindô, Tokunoshima-chô, 26-III-2011, HK; 1 ex., Tete-rindô, Tokunoshima-chô, 27-III-2011, HK; 1 ex., Kamuiyakinomori, Asan, Isen-chô, 29-III-2011, HK.
29. *Cotasteromimus squamiger* MORIMOTO et MIYAKAWA, 1985  
4 exs., Tete-rindô, Tokunoshima-chô, 27-III-2011, HK; 1 ex., Mikyô-rindô, Amagi-chô, 28-III-2011, YK; 1 ex., Kamuiyakinomori, Asan, Isen-chô, 29-III-2011, HK; 1 ex., Hagedake-rindô, Amagi-chô, 30-III-2011, HK.

### References

- AZUMA, S., M. YAFUSO, M. KINJO, M. HAYASHI, T. KOHAMA, T. SASAKI, M. KIMURA & F. KAWAMURA, 2002. *Check List of the Insect of the Ryukyu Islands, Second Edition*. The Biological Society of Okinawa, Okinawa.
- KOJIMA, H., & K. MORIMOTO, 2004. An online checklist and database of the Japanese weevils (Insecta: Coleoptera: Curculionoidea) (excepting Scolytidae and Platypodidae). *Bull. Kyushu Univ. Mus., Fukuoka*, (2): 33-147.

Manuscript received 27 April 2011;  
revised and accepted 27 June 2011.