

## Records of Twenty-one Weevils (Coleoptera, Curculionoidea) Collected on Ukejima Is., the Amami Isls., Southwestern Japan

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**Abstract** Based on results of the field survey conducted by the first author in the winter of 2017, 21 curculionoids including two undetermined ones are recorded from Ukejima Is., the Amami Isls., southwestern Japan. Eleven out of the 21 species are new to the fauna of the island: *Valenfriesia nitida*, *Exillis japonicola*, *Polytus mellerborgi*, *Acicnemis postica*, *Cryptorhynchus fasciculatus*, *Shira-hoshizo insidiosus*, *Pholidoforus squamosus*, *Dryotribus mimeticus*, *Isodryotribus squamosus*, *Microtribus splendidus*, and *Episomus mori*. Consequently, 40 curculionoids are known to occur on Ukejima Is.

Ukejima Is. is located southeast of Kakeromajima Is. and is the second smallest inhabited island in the Amami Isls., central Ryukyus, southwestern Japan. This subtropical island, with an area of 13.34 km<sup>2</sup>, is endowed with rich fauna and flora. To date, 29 curculionoid species (Coleoptera) have been recorded from Ukejima Is. (SASAKI *et al.*, 2002; KOJIMA & WATANABE, 2015), but the weevil fauna of this island still is insufficiently studied.

The first author conducted a field survey in Ukeamuro, Ukejima Is. during a period from November 29 to December 3, 2017 (Figs. 1–5) and collected a moderate number of weevil specimens, which were identified by the first and second authors into 21 species including two undetermined ones.

In this paper, 21 weevils in five families are recorded from Ukejima Is., eleven of which are new to the fauna of the island. Scientific names follow recent catalogues edited by LÖBL and SMETANA (2011, 2013), a checklist of KOJIMA and MORIMOTO (2004), and a monograph of NAKAMURA and MORIMOTO (2015).

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### Distribution Records

#### Superfamily Curculionoidea

#### Family Anthribidae

##### 1) *Araecerus fasciculatus* (DEGEER, 1775)

*Specimens examined.* Ukeamuro: 4 exs., Shûraku, 29.XI.2017; 1 ex., Kyurajima-jinja to Heliport, 3.XII.2017.

*Note.* This species may occur all year round on Ukejima Is.

2) *Valenfriesia nitida* (MORIMOTO, 1978)

*Specimens examined.* Ukeamuro: 3 exs., Shûraku, 29.XI.2017.

*Notes.* New to Ukejima Is. This species may occur all year round on the island.

3) *Exillis japonicola* NAKANE, 1963

*Specimens examined.* Ukeamuro: 1 ex., Shûraku, 29.XI.2017; 1 ex., Ishikyomichi, 3.XII.2017.

*Notes.* New to Ukejima Is. The examined specimens were collected by beating scrub. This species may occur all year round on the island.

Family **Rhynchitidae**4) *Auletobius (Auletobius) planifrons* SAWADA, 1993

*Specimens examined.* Ukeamuro: 1 ex., Ishikyomichi, 3.XII.2017; 7 exs., Kyurajima-jinja to Heiport, 3.XII.2017.

*Note.* All specimens were collected by beating *Castanopsis sieboldii* (Fagaceae).

Family **Brentidae**5) *Cylas formicarius* (FABRICIUS, 1798)

*Specimen examined.* 1 ex., Ukeamuro, Shûraku, 29.XI.2017.

*Notes.* The examined specimen was collected by beating scrub. This species may occur all year round on the island.

Family **Dryophthoridae**6) *Polytus mellerborgi* (BOHEMAN, 1838)

*Specimen examined.* Ukeamuro: 1 ex., Hamote, 2.XII.2017.

*Notes.* New to Ukejima Is. The examined specimen was collected from the inside of a banana tree. This species may occur all year round on the island.

Family **Curculionidae**7) *Acicnemis postica* HUBENTHAL, 1917

*Specimens examined.* Ukeamuro: 2 exs., Ishikyomichi, 3.XII.2017.

*Notes.* New to Ukejima Is. The examined specimens were collected by beating scrub. This species may occur all year round on the island.

8) *Cryptorhynchus fasciculatus* (ROELOFS, 1875)

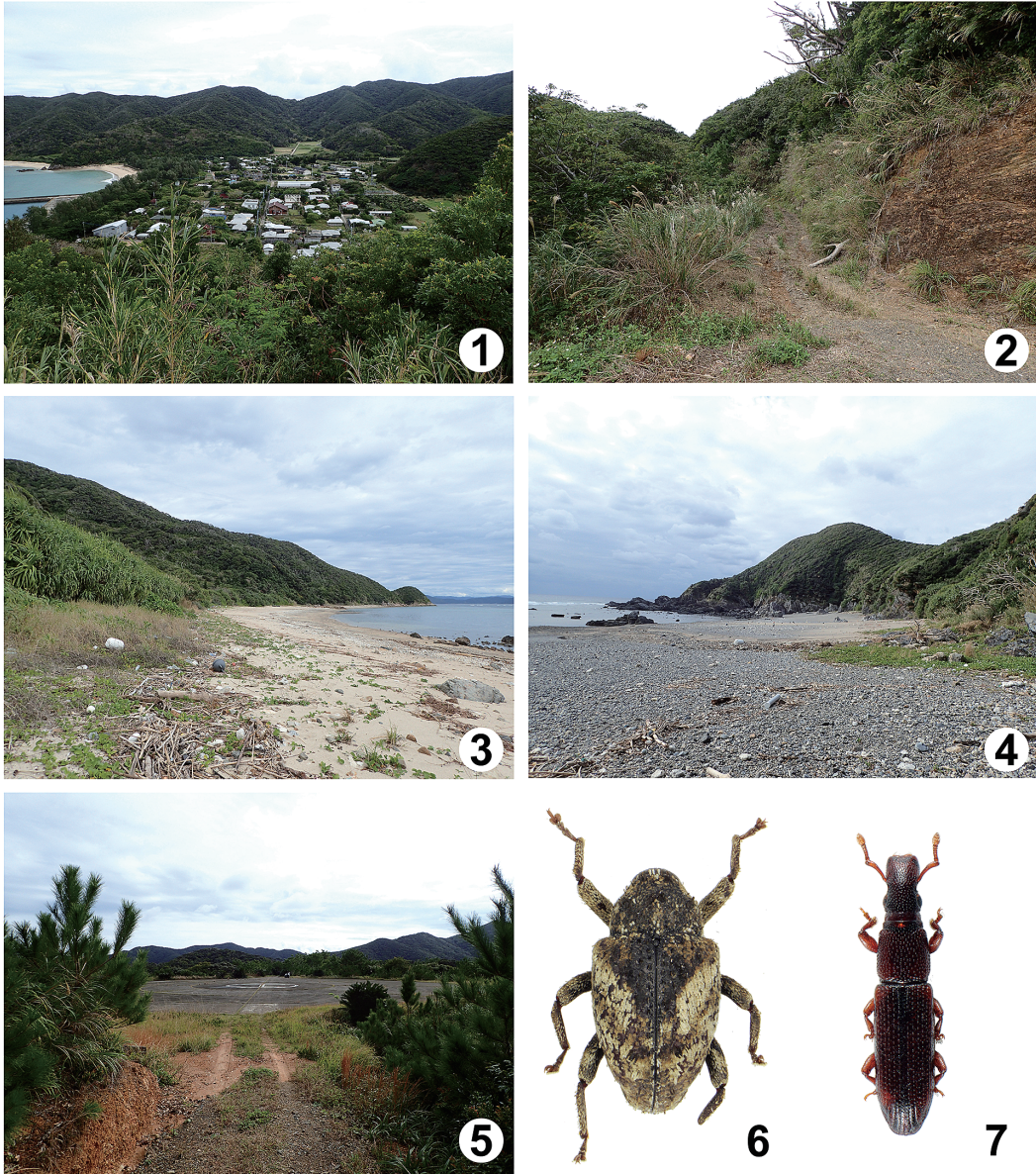
*Specimens examined.* Ukeamuro: 2 exs., Ishikyomichi, 3.XII.2017.

*Notes.* New to Ukejima Is. The examined specimens were collected by beating *Castanopsis sieboldii* (Fagaceae).

9) *Cryptorhynchus* sp. (Fig. 6)

*Specimen examined.* Ukeamuro: 1 ex., Ishikyomichi, 3.XII.2017.

*Notes.* This species is very similar to *C. fasciculatus* (ROELOFS). The examined specimen was collected by beating *Castanopsis sieboldii* (Fagaceae).



Figs. 1–5. Collecting sites in Ukeamuro, Ukejima Is. — 1, Shûraku, a view from Kyurajima-jinja; 2, Ishikyomichi; 3, Ishikyo; 4, Hamote; 5, Heliport.

Figs. 6–7. Dorsal habitus of undetermined Curculionidae spp. — 6, *Cryptorhynchus* sp.; 7, *Cossonini* sp.

10) *Shirahoshizo insidiosus* (ROELOFS, 1875)

*Specimen examined.* Ukeamuro: 1 ex., Ishikyomichi, 30.XI.2017.

*Notes.* New to Ukejima Is. The examined specimen was collected by beating *Pinus luchuensis* (Pinaceae).

11) *Microcryptorhynchus nipponicus* MORIMOTO et MIYAKAWA, 1985

*Specimens examined.* Ukeamuro: 2 exs., Shûraku, 29.XI.2017; 3 exs., Akatsuchibaru, 30.XI.2017; 2 exs., Ishikyomichi, 30.XI.2017; 10 exs., Ishikyomichi, 3.XII.2017; 1 ex., Kyurajima-jinja to Heliport, 3.XII.2017.

*Notes.* The examined specimens were mostly collected by beating *Castanopsis sieboldii* (Fagaceae). This species may occur all year round on Ukejima Is.

12) *Pholidoforus squamosus* WOLLASTON, 1873

*Specimen examined.* Ukeamuro: 1 ex., Ishikyomichi, 3.XII.2017.

*Notes.* New to Ukejima Is. The examined specimens were collected by beating scrub. This species may occur all year round on the island.

13) *Cossonini* sp. (Fig. 7)

*Specimen examined.* Ukeamuro: 1 ex., Ishikyomichi, 3.XII.2017.

*Note.* This species may belong to *Coptodes* or its allied genus.

14) *Dryotribus mimeticus* HORN, 1873

*Specimens examined.* Ukeamuro: 1 ex., Ishiyo, 30.XI.2017; 3 exs., Hamote, 1–2.XII.2017.

*Notes.* New to Ukejima Is. The examined specimens were collected under driftwood washed ashore. This species may occur all year round on the island.

15) *Isodryotribus squamosus* KONISHI, 1962

*Specimen examined.* Ukeamuro: 1 ex., Hamote, 1.XII.2017.

*Notes.* New to Ukejima Is. The examined specimen was collected under driftwood washed ashore. This species may occur all year round on the island.

16) *Microtribus splendidus* KONISHI, 1962

*Specimens examined.* Ukeamuro: 2 exs., Shûraku, 29.XI.2017.

*Notes.* New to Ukejima Is. The examined specimens were collected by beating *Casuarina* sp. (Casuarinaceae). This species may occur all year round on the island.

17) *Orchestes (Orchestes) yokoae* (MORIMOTO et MIYAKAWA, 1996)

*Specimen examined.* Ukeamuro: 1 ex., Ishikyomichi, 3.XII.2017.

*Note.* The examined specimens were collected by beating *Quercus* sp. (Fagaceae).

18) *Ochyromera japonica* (ROELOFS, 1874)

*Specimens examined.* Ukeamuro: 9 exs., Shûraku, 29.XI.2017.

*Note.* The examined specimens were collected by beating *Podocarpus macrophyllus* (Podocarpaceae).



19) *Nothomylocerus neglectus* (VOSS, 1971)

*Specimens examined.* Ukeamuro: 1 ex., Akatsuchibaru, 30.XI.2017; 1 ex., Kyurajima-jinja to Heliport, 3.XII.2017.

*Note.* The examined specimens were collected by beating *Castanopsis sieboldii* (Fagaceae).

20) *Scepticus griseus* (ROELOFS, 1873)

*Specimens examined.* Ukeamuro, Ishikyo: 5 exs., 2.XII.2017; 1 ex., 3.XII.2017; 1 ex., 30.XI.2017.

*Notes.* The examined specimens were collected under driftwood washed ashore. This species may occur all year round on Ukejima Is.

21) *Episomus mori* KÔNO, 1928

*Specimens examined.* Ukeamuro: 3 exs., Shûraku, 29.XI.2017.

*Notes.* New to Ukejima Is. The examined specimens were collected by beating scrub. This species may occur all year round on the island.

## 要 約

吉武 啓・辻 尚道：奄美群島請島で採集されたゾウムシ類21種（鞘翅目ゾウムシ上科）の記録。———  
請島は加計呂麻島の南東に位置する、面積 13.34 km<sup>2</sup> の奄美群島内の有人島としては与路島に次いで二番目に小さい島である。この島のゾウムシ相については、これまでに 29 種の分布記録が報告されているが、現状では未解明の部分が大きいと言わざるを得ない。本論文では、筆者の一人吉武が 2017 年冬に実施した調査で得られた請島産ゾウムシ類 5 科 21 種（含 2 不明種）の記録を報告した。そのうち、以下の 11 種は同島初記録である：1) ツヤチビヒョウタンヒゲナガゾウムシ、2) イトヒゲナガゾウムシ、3) バシヨウコクゾウムシ、4) セグロカレキゾウムシ、5) ハスジクチカクシゾウムシ、6) マツノシラホシゾウムシ、7) メダカケブカクイゾウムシ、8) ハマベクイゾウムシ、9) ツヤケシマルバネクイゾウムシ、10) ドウイロマルバネクイゾウムシ、11) オキナワクワゾウムシ。この結果、請島から記録されたゾウムシ上科甲虫の種数は 40 となった。

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