

Records of Six Chrysomelids (Coleoptera) from Ludao Island, Taiwan

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Our knowledge on chrysomelid fauna of Ludao Is., about 33 km off the eastern coast of Taitung County, Taiwan is still limited due to the lack of sufficient surveys. In fact, KIMOTO recorded only two species, *Aulacophora indica* (GMELIN, 1790) and *Sinocrepis obscurofasciata* (JACOBY, 1892), from the island in his long-term studies on the Taiwanese Chrysomelidae (KIMOTO, 1967–1996; KIMOTO & TAKIZAWA, 1997).

In July 2013, the second author visited Ludao Is. for survey of beetle fauna and collected many beetles including some chrysomelids, which were identified into six species by the first author.

In this short report, we record these six species from Ludao Is. Before going further, we thank Y.-T. CHEN, T. ISHIKAWA, C.-P. LIN, and H.-Y. TSENG for their various helps during the second author's survey on Ludao Is. This study is supported in part by KAKENHI (25304013; principal investigator: M. ITO).

Chrysomelidae LATREILLE, 1802

Bruchinae LATREILLE, 1802

1. *Bruchidius* sp.

Specimens examined. Taiwan: Ludao Is. 1 ex., Ludao Is., Nanilao Vil. near entrance of Across Mountain Ancient Trail, 190 m, N22.65982, E121.486095, 18–19.VII.2013, H. YOSHITAKE & T. ISHIKAWA, by light trap.

Distribution. Taiwan (Ludao Is.).

Note. This species is somewhat similar to *B. japonicus* (HAROLD, 1978), but has the elytra finely variegated with white and yellowish brown hairs.

Eumolpinae HOPE, 1840

2. *Cleorina aeneomicans* (LEFÈVRE, 1867)

Specimens examined. Taiwan: Ludao Is. 2 exs., Ludao Is., Nanilao Vil., 180 m, N22.662247, E121.480650, 20.VII.2013, H. YOSHITAKE, by beating at night.

Distribution. Taiwan (Chiayi, Hsinchu, Hualien, Ilan, Kaoshiung, Miaoli, Nantou, Pingtung, Taichung, Tainan, Taipei, Taitung and Ludao Is.), S. China, Hainan Is., Indochina, Malaya, Sumatra, Java and Andaman Is.

Note. This species is one of the commonest species in mainland Taiwan, and is usually associated with broad-leaved monocotyledon plants such as *Alpinia* species (Zingiberaceae) and cultivated cannas in open places.

3. *Rhyparida kotoensis* CHŪJŌ, 1956

Specimen examined. Taiwan: Ludao Is. 1 ex., Nanilao Vil., 180 m, N22.662247, E121.480650, 20.VII.2013, H. YOSHITAKE, by beating at night.

Distribution. Taiwan (Ludao Is. and Lanyu Is.).

Note. This species, which was originally described from Lanyu Is., is recorded for the first time from Ludao Is. This specimen has a dark bluish luster on the dorsum unlike red brownish one in most specimens.

4. *Rhyparida sakisimensis* YUASA, 1930

Specimens examined. Taiwan: Ludao Is. 4 exs., Nanilao Vil., 100 m, N22.668889, E121.470278, 18.VII.2013, H. YOSHITAKE; 5 exs., same locality, 21.VII.2013, H. YOSHITAKE. 1 ex., Nanilao Vil., 180 m, N22.662247, E121.480650, 20.VII.2013, H. YOSHITAKE, by beating at night.

Distribution. Taiwan (Lanyu Is. and Ludao Is.) and Japan (the Ryukyus).

Note. This species feeding on mulberry is widely distributed in the southern Ryukyus. Nothing is known about its biology on Ludao Is. and Lanyu Is.

Alticinae NEWMAN, 1835

5. *Aphthona formosana* CHEN, 1934

Specimen examined. Taiwan: Ludao Is. 1 ex., Nanilao Vil., near Entrance of Across Mountain Ancient Trail, 21.VII.2013, H. YOSHITAKE.

Distribution. Taiwan (Chiayi, Hualien, Ilan, Nantou, Pingtung, Tainan and Taitung), Japan (Kyushu, Shikoku and the Ryukyus), S. China, Indochina, Sumatra, Flores, India and Micronesia.

Note. This species, which is one of the commonest species in mainland Taiwan, is found feeding on *Mallostus* sp. (Euphorbiaceae) in open places. This is the first record of this species from Ludao Is.

6. *Hemipyxis nigricornis* (BALY, 1877)

Specimen examined. Taiwan: Ludao Is. 1 ex., Nanilao Vil., 180 m, N22.662247, E121.480650, 20.VII. 2013, H. YOSHITAKE, by beating at night.

Distribution. Taiwan (Kaoshiung, Tainan, Taipei and Ludao Is.), S. China, Indochina, Sumatra, Nepal and India.

Note. This is recorded for the first time from Ludao Is.

References

- KIMOTO, S., 1967. Note on the Chrysomelidae from Taiwan I. *Kontyū, Tokyo*, **35**: 368–374.
 KIMOTO, S., 1969. Note on the Chrysomelidae from Taiwan II. *Esakia, Fukuoka*, (7): 1–68.
 KIMOTO, S., 1970. Note on the Chrysomelidae from Taiwan III. *Kontyū, Tokyo*, **38**: 176–183.
 KIMOTO, S., 1970. Note on the Chrysomelidae from Taiwan IV. *Kontyū, Tokyo*, **38**: 205–221.
 KIMOTO, S., 1970. Note on the Chrysomelidae from Taiwan V. *Kontyū, Tokyo*, **38**: 292–313.
 KIMOTO, S., 1971. Note on the Chrysomelidae from Taiwan VI. *Entomological Review of Japan, Osaka*, **23**: 73–87.
 KIMOTO, S., 1974. Note on the Chrysomelidae from Taiwan VII. *Entomological Review of Japan, Osaka*, **26**: 21–26.
 KIMOTO, S., 1976. Note on the Chrysomelidae from Taiwan VIII. *Entomological Review of Japan, Osaka*, **29**: 1–9.
 KIMOTO, S., 1978. Note on the Chrysomelidae from Taiwan IX. *Entomological Review of Japan, Osaka*, **31**: 69–74.

- KIMOTO, S., 1981. Note on the Chrysomelidae from Taiwan X. *Entomological Review of Japan, Osaka*, **36**: 1–4.
KIMOTO, S., 1984. Note on the Chrysomelidae from Taiwan XI. *Entomological Review of Japan, Osaka*, **39**: 39–58.
KIMOTO, S., 1991. Note on the Chrysomelidae from Taiwan XII. *Entomological Review of Japan, Osaka*, **46**: 115–124.
KIMOTO, S., 1996. Note on the Chrysomelidae from Taiwan XIII. *Entomological Review of Japan, Osaka*, **51**: 27–51.
KIMOTO, S., & H. TAKIZAWA, 1997. Leaf Beetles (Chrysomelidae) of Taiwan. 581 pp. Tokai University Press, Tokyo.

Manuscript received 31 August 2015;
revised and accepted 8 September 2015.

Errata

The error was found in the following paper.

TAKIZAWA, H., 2015. Notes on Japanese Chrysomelidae (Coleoptera), III. *Elytra, Tokyo*, (n. ser.), 5(1): 233–250.

Please correct Fig. Nos. in the legends of Figs. 10–17 of p. 241:

12. *Sphaeroderma atrum* JACOBY (Shiobara, Tochigi Pref.); -----; 14, *S. inaizumii* n. sp. (holotype);
as follows:

14. *Sphaeroderma atrum* JACOBY (Shiobara, Tochigi Pref.); -----; 12, *S. inaizumii* n. sp. (holotype);

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