

Three *Cafius* STEPHENS Species (Coleoptera, Staphylinidae) New to Hokkaido, Japan

In-Seong YOO¹⁾, Masahiro ÔHARA²⁾ and Kee-Jeong AHN^{1)*}

¹⁾Department of Biology, Chungnam National University, Daejeon 34134, South Korea

²⁾Hokkaido University Museum, Hokkaido University, North 10, West 8, Sapporo, 060–0810 Japan

*Corresponding author: kjahn@cnu.ac.kr

Two *Cafius* STEPHENS species, *C. histrio* (SHARP, 1889) and *C. rufescens* SHARP, 1889, have been listed from Hokkaido, Japan (SHARP, 1889; NAKANE, 1963; SHIBATA *et al.*, 2013). Recently, we identified three additional *Cafius* species new to Hokkaido from the specimens which collected by us during 5–8 June 2012 and 23–26 August 2014 in southwestern Hokkaido. They are deposited in the Chungnam National University Insect Collection (CNUIC, Daejeon) and the Systematic Entomology, Hokkaido University (SEHU, Sapporo). The following abbreviation was used in the text: AC, alcohol collection (numbers after AC indicate the number assigned to the CNUIC database).

Cafius algarum (SHARP, 1874)

Material examined. Japan: [Hokkaido] 6 ♂♂ & 2 ♀♀ (in 100% EtOH, AC601), Shiribeshi, Otaru, Zenibako, N43°08'38.7", E141°09'45.9", 5.VI.2012, I.-S. YOO, debris on seawall; 2 ♀♀ (in 100% EtOH, AC1016), Futami-gun, Yakumo-chô, Kumaishi, Ayukawa, N42°7'14.84", E140°0'15.61", 25.VIII.2014, K.-J. AHN & J.-S. LEE, under seaweed on pebble beach.

Cafius mimulus (SHARP, 1874)

Material examined. Japan: [Hokkaido] 1 ♀, Iburi, Muroran, Itanki, N42°20'09.9", E141°01'40.1", 8.VI.2012, K.-J. AHN, I.-S. YOO & M. ÔHARA, seaweed on sandy beach.

Cafius vestitus (SHARP, 1874)

Material examined. Japan: [Hokkaido] 3 ♂♂ & 1 ♀ (in 100% EtOH, AC596), Oshima, Matsumae, Shiragami-misaki, N41°23'53.3", E140°11'56.9", 6.VI.2012, K.-J. AHN, I.-S. YOO & M. ÔHARA, seaweed/debris on rocky shore; 2 ♀♀ (in 100% EtOH, AC1012), Shimamaki-gun, Shimamaki-mura, Honme, N42°45'1.44", E140°8'6.25", 0 m, 25.VIII.2014, K.-J. AHN & J.-S. LEE, debris on rocky and pebble beach; 2 ♀♀ (in 100% EtOH, AC1016), Futami-gun, Yakumo-chô, Kumaishi, Ayukawa, N42°7'14.84", E140°0'15.61", 25.VIII.2014, K.-J. AHN & J.-S. LEE, under seaweed on pebble beach.

We thank Jae-Seok LEE (CNUIC, Korea) for helping our collecting trip. This research was partly supported by Basic Science Research Program through the National Research Foundation of Korea (NRF) funded by the Ministry of Education (2018R1A6A3A01013111).

References

- NAKANE, T., 1963. Staphylinidae. Pp. 81–100. In NAKANE, T., K. OHBAYASHI, S. NOMURA & Y. KUROSAWA (eds.), *Iconographia Insectorum Japonicorum Colore naturali edita*, 2 (Coleoptera). 443 pp. Hokuryûkan, Tokyo. (In Japanese, with Latin title.)
- SHARP, D. S., 1874. The Staphylinidae of Japan. *Transactions of the Entomological Society of London*, (1874): 1–103.

- SHARP, D. S., 1889. The Staphylinidae of Japan. *Annals and Magazine of Natural History, London*, (6) **3**: 28–44, 108–121, 249–267, 319–334, 406–419, 463–476.
- SHIBATA, Y., M. MARUYAMA, H. HOSHINA, T. KISHIMOTO, S.-I. NAOMI, S. NOMURA, V. PUTHZ, T. SHIMADA, Y. WATANABE & S. YAMAMOTO, 2013. Catalogue of Japanese Staphylinidae (Insecta: Coleoptera). *Bulletin of the Kyushu University Museum, Fukuoka*, (11): 69–218.

Manuscript received 22 January 2019;
revised and accepted 24 April 2019.