

Occurrence of *Lycocerus okabei* (Coleoptera, Cantharidae) on Toshima, Shikine-jima, Kôzushima and Aogashima Islands, the Izu Islands, Japan

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The cantharid beetle fauna of the Izu Islands, Tokyo, Japan is not so diverse. Only five species have been known from the islands to date. *Lycocerus okabei* (TAKAHASHI, 1992) is one of them, known to occur restrictedly in the Kantô District of the central Honshu and the Izu Islands (OKUSHIMA, 2005) and represents the so-called Fossa Magna element in the distribution.

In the Izu Islands, *L. okabei* has so far been known from Izu-Ôshima, Nijijima, Miyake-jima, Mikura-jima and Hachijô-jima Isls. Recently, however, the authors found the beetle from islands other than mentioned above and record them below. Resultingly, this species occurs all the inhabited islands of the Izu Islands.

The survey on Kôzushima Is. was conducted under permission of the village office. Collector names are abbreviated as follows: HK: Hiroaki KOJIMA; YK: Yoshinori KOJIMA and YN: Yûsuke NONAKA. This study was supported by JSPS KAKENHI (Grant No. 24510333).

Lycocerus okabei (TAKAHASHI, 1992)

Athemus (Andrathemus) okabei TAKAHASHI, 1992: 105.

Lycocerus okabei: OKUSHIMA, 2005: 130 (revision).

See OKUSHIMA (2005) for synonymy.

Specimens examined. [Toshima Is.] 2 exs., Toshima-mura Vill., 5-V-2013, YN; 1 ex., 6-V-2013, YK; 4 exs., Isomichishinchi-sen, 7-V-2013, YN; 1 ex., 7-V-2013, YK; 1 ex., Mt. Miyatsukayama, 19-VI-2014, HK. [Shikine-jima Is.] 2 exs., Kanbiki, 30-V-2012, HK; 1 ex., Shikine-mura Vill., 31-V-2012, HK. [Kôzushima Is.] 3 exs., Rindô Tenjôzan-sen, 24-V-2013, HK; 2 exs., Edasawa, 24-V-2013, HK; 1 ex., Rindô Kôbeyama-sen, 24-V-2013, HK; 1 ex., Takôwan Park, 24-V-2013, HK; 1 ex., Kôzushima-tôdai, 25-V-2013, HK. [Aogashima Is.] 2 exs., Ikenosawa, 8-V-2014, HK; 1 ex., Okabe, 9-V-2014, HK.

Distribution. Japan (Honshu: Kantô District), Izu Isls. (Izu-Ôshima, Toshima, Nijijima, Shikine-jima, Kôzushima, Miyake-jima, Mikura-jima, Hachijô-jima, Aogashima Isls.). New to Toshima, Shikine-jima, Kôzushima and Aogashima Isls.

Comments. OKUSHIMA (2005) distinguished the population of Izu-Ôshima Is. as an independent subspecies, *L. okabei oshimanus*, which has largely expanded black markings on head and pronotum. Specimens collected from Toshima Is., where is the nearest island of Izu-Ôshima Is., show the intermediate trait of the nominotypical subspecies and *L. o. oshimanus*.

References

- OKUSHIMA, Y., 2005. A taxonomic study on the genus *Lycocerus* (Coleoptera, Cantharidae) from Japan, with zoogeographical considerations. *Jpn. J. syst. Ent.*, Mon. ser., *Matsuyama*, (2): iii+1-383.
- TAKAHASHI, K., 1992. The fauna of family Cantharidae (Coleoptera) in Kanagawa Prefecture, Japan. *Kanagawa-Chûhô, Yokohama*, (100): 71-124. (In Japanese with English descriptions.)