

SHORT COMMUNICATION

G. Sh. Lafer. *LIOPTERA EROTYLOIDES* BATES, 1883 NEWLY RECORDED SPECIES OF THE GROUND BEETLES (COLEOPTERA: CARABIDAE, LEBIINAE) FROM SOUTH KOREA. - Far Eastern Entomologist. 2000. N 91 : 11-12.

Г. Ш. Лафер. *Lioptera erotyloides* Bates, 1883 – новый для Южной Кореи вид жужелиц (Coleoptera: Carabidae, Lebiinae) // Дальневосточный энтомолог. 2000. N 91. С. 11-12.

The genus *Lioptera* Chaudoir, 1869 belongs to the subtribe Pericalina of the tribe Lebiini. It includes four species from E and SE Asia: *L. quadriguttata* Chaudoir from Philippines (type species), *L. pseudo* Heller from Laos, *L. malayana* Heller from Malakka Peninsula and Sumatra, and *L. erotyloides* Bates from Japan, SE China and Vietnam [1-4]. In this paper last species is reported from Korea for the first time.

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Lioptera erotyloides Bates, 1883

Lioptera erotyloides Bates, 1883: 280, Pl. 13, fig. 5 (type locality - Japan: Yuyama; Junsai); Jedlicka A., 1963-1964: 340, Taf. II, fig. 13; Habu, 1967: 97-99, Pl. 3, fig. 3, texts-figs. 189, 190, 191, 192; Ohkura, 1985: 168, Pl. 30, fig. 30.

MATERIAL. South Korea: Kyongsangbuk-do Province, Sangju Town, Biological Station of the Sangju University, 1.VIII 1998, 1♂, 1♀ (G. Lafer).

NOTES. *L. erotyloides* is rather well studied morphologically and excellently illustrated [2-4]. There are no any differences in the external features or in the structure of male genitalia of Korean specimens from Japanese ones based on redescription of the *L. erotyloides* by A. Habu [2]. Size (in mm) of the Korean male: length of head 1.60, width of head 2.90, width of pronotal apex 2.15, maximal width of pronotum 3.40, width of pronotal base 2.95, full length of pronotum 1.95, length of pronotum along middle line 1.75, width of elytra 5.50, length of elytra 7.90, length of body 12.4 (Ls 11.5), full length of beetle from apices of mandibles to abdominal tip 13.0.

HABITAT AND HABIT. Almost nothing is known on habitat and natural history of the *L. erotyloides*. Two specimens of this species were collected in Korea at the vicinity of the Biological Station of the Sangju University. The beetles were found in broad-leaved forest with admixture of *Pinus tunbergi* at very steep slope of a hill (200-250 m) facing to broad valley of Pukch'on River. Both the beetles were under bit of peeled bark on a trunk of thin shrivelled up alder tree (*Alnus* sp.) with small wood fungi, about 2 m under soil. On the trunk of this alder tree and in leaf litter around its roots a gathering of various beetles was revealed originally attracted by wood fungi. Near fungi 18 specimens of *Episcapha fortunei* Crotch. and 6 specimens of *Aulacochilus luniferus* Guer. (Erotylidae), and single specimens of other families: *Strongilium ? marseuli* Lewis, *Cryphaeus ? duelicus* (Lewis) (Tenebrionidae), and *Uleiota planatus* L. (Cucujidae) were collected. In

leaf litter near this alder tree a single specimens of 2 species of the ground beetles (Carabidae: *Agonum (Pseudoplatynus) magnum* (Bates) and *Amara similata chalcites* Dejean), and 2 specimens of the darkling beetle (Tenebrionidae: *Blindus strigosus* Faldermann) were collected.

All the *Lioptera* species are characterised by similar colour and design. Comparatively large sizes and black colour of upper surface of body with two red bands on elytra (at base and near apex) separating along suture of the predaceous beetle *L. erotyloides* are very similar to the micetophagous beetle *Episcapha fortunei*. Mimicry of colour was developed undoubtedly during long co-existence of *L. erotyloides* with species of the genus *Episcapha* Lacordaire.

DISTRIBUTION. Korea (new record), Japan (Hokkaido, Honshu, Shikoku, Kyushu), SE China (Fujian, Taiwan) and N Vietnam.

1. Bates, H.W. 1883. XI. Supplement to the geodephagous Coleoptera of Japan, chiefly from the collection of Mr. George Lewis, made during his second visit, from February 1880 to September 1881. - Trans. Entomol. Soc. London: 205-290.

2. Habu, A. 1967. Carabidae. Truncatipennes group (Insecta: Coleoptera). Fauna Japonica. Tokyo: 338 p, 27 Pls.

3. Ohkura, M. 1985. Carabidae (Perigoninae, Odacanthinae, Ctenodactylinae, Pentagonicinae, Cyclosominae, Lebiinae, Zuphiinae, Dryptinae) - In: The Coleoptera of Japan in color. Vol. II. Osaka: 162-179, Pls. 30-32.

4. Jedlicka, A. 1963-1964. Monographie des Truncatipennen aus Ostasien. Lebiinae - Odacanthinae - Brachyninae (Coleoptera, Carabidae). - Entom. Abh. Ber. Staatl. Mus. Tierkunde Dresden 28(7): 269-579.

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