

Erotyliidae from Chejudo Island ^{1), 2)}

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Abstract. Two erotylid species are newly recorded from this island.

EROTYLIDAE

Dacninae

Episcapha Lacordaire, 1842

1. *Episcapha* (*Episcapha*) *flavofasciata flavofasciata* (Reitter, 1879)

(Fig. 1)

Megalodacne flavofasciata Reitter, Deutsche Ent. Zeitschr., XXIII, 1879, p. 223 (E. Siberia). — Heyden, Cat. Col. Sibiiien, 1880-1881, p. 214 (*Megalodacne*); id., Cat. Col. Sibiiien, Nachtr. II, 1893, p. 55 (ditto).

Episcapha flavofasciata: Reitter, Verh. Naturf. Ver. Brünn, XXVI, 1887, p. 5 (*Episcapha*) (Siberia). — Marseul, L'Abeille, XXVI, 1889, p. 150, (160) (ditto). — Khunt, Gen. Ins., Wytsman, fasc. 88, 1909, p. 110 (*Episcapha*, etc.); id., Col. Cat., Junk, pars 34, 1911, p. 76 (ditto). — Jacobson, Zhuki Rossicae, XI, 1915, p. 935. — Heller, Arch. f. Naturg., LXXXIV, A, (8), 1918(1920), p. 75 [*Episcapha* (*Psiloscapa*)]. — Winkler, Cat. Col. Reg. Paiaearcticae, pars 6, 1926, p. 718 (*Episcapha*). — Araki, Trans. Kansai Ent. Soc., Hyogo, Japan, XIV, 1949, p. 5 (ditto)@. Quelpart & Siberia). Chūjō, Fauna Japonica, Ins.-Col.-Erotyl., 1969, p. (96), 107-110 [*Episcapha*

1) Results from the Korea-Japan Co-operative Science Program on "The Evolution and Biogeography of the Insects in the East Asia". No. 3.

2) Contribution from the Hikosan Biological Laboratory, Faculty of Agriculture, Kyushu University, Hikosan (Ser. 4, No. 5).

(*Episcapha*) *flavofasciata flavofasciata* (Reitter)]. — Sasaji, *Seibutsu-Kenkyû*, Fukui, Japan, XIII, 1969, p. 14 (*Episcapha*). — Iablokoff-Khnzorian, *Acta Zool. Cracoviensia*, XX, 1975, p. (217), 218 (ditto).

= *hamata* Lewis, *Ann. Mag. Nat. Hist.*, [5], IV, 1879, p. 465 (*Episcapha*, etc.); id., *Cat. Col. Japanese Archipel.*, 1879, p. 30; id., *Ent. Monthl. Mag.*, XX, 1883, p. 140. — Schonfeldt, *Cat. Col. Japan.*, 1887, p. 158. — Lewis, *Ann. Mag. Nat. Hist.*, [5], XX, 1887, p. [55], 60. — Schönfeldt, *Cat. Col. Japan*, Nachtr. II, 1891, p. 271. — Kuhnt, *Gen. Ins.*, Wytzman, fasc. 88, 1909, p. 110; id., *Col. Cat.*, Junk, pars 34, 1911, p. 76. — Jacobson, *Zhuki Rossicae*, XI, 1915, p. 935. — Heller, *Arch. f. Naturg.*, LXXXIV, A, (8), 1918(1920), p. 75 [*Episcapha (Psiloscapa)*]. — Winkler, *Cat. Col. Reg. Palaearcticae*, pars 6, 1926, p. 718 (*Episcapha*, etc.). — Miwa, *Trans. Nat. Hist. Soc. Formosa*, XIX, 1929, p. [127]. — Chûjô, *Fauna Nipponica*, X, fasc. 8, (5), *Ins.-Col.-Erotyl.*, 1936, p. (135), 139-140, [175]. — Mader, *Mitt. Münchner Ent. Ges. (e.V.)*, XXXI, 1941, p. 932 (China: Fukien). — Araki, *Trans. Kansai Ent. Soc.*, Hyogo, Japan, XIV, 1949, p. 5. — Chûjô, *Fauna Japonica*, *Ins.-Col.-Erotyl.*, 1969, p. [108], 110 [= *Episcapha (Episcapha) flavofasciata flavofasciata* (Reitter)]. — Iablokoff-Khnzorian, *Acta Zool. Cracoviensia*, XX, 1975, p. 218 [= *Episcapha flavofasciata* (Reitter)].

Spec. exam.: 7 errs., Yongshil, Mt. Hallasan, Chejudo, Korea, 20. v. 1990, M. T. Chûjô leg.; 12 exs., Yongshil, Mt. Hallasan, Chejudo, Korea, 27. vii. 1990, M. T. Chûjô leg.

Gen. distr.: Korea (incl. Chejudo Is.), China, E. Siberia & Japan (Hokkaido).

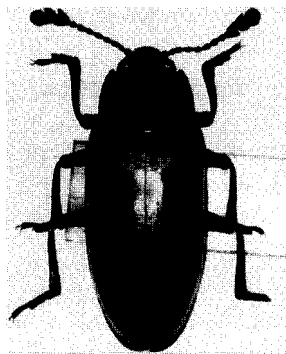


Fig. 1. *Episcapha (E.) flavofasciata flavofasciata* (Reitter).

***Microsternus* Lewis, 1879**

2. *Microsternus tokioensis* Nakane, 1961*

(Fig. 2A-G)

Microsternus tricolor tokioensis Nakane, *Fragm. Col.*, Tokyo, 1961, pars 1, p. 5; id., *Iconogr. Ins. Japoni-*

* Asterisks show the species which has hitherto been unrecorded from this island.

corum, II, 1963, p. 206, Pl. 103, fig. 13; — Chûjô, Fauna Japonica, Ins.-Col.-Erotyl., 1969, p. 70, 71.

Microsternus tokioensis: Nakane, Rep. Fac. Sci. Kagoshima Univ. (Earth Sci. & Biol.), Japan, (14), 1981, pp. 45-46, f. c.

= *tricolor* Lewis: Nakane, Konchû-Sekai, Gifu, Japan, XLI, (481), 1937, p. 356. — Chûjô, Nippon-no-Konchû, Konchû-Dôkôkai, Ent. Lab. Tokyo Agr. Univ., Japan, III, 1940, p. 83. — Nakane, Shin-Konchû, Tokyo, Japan, XI, 1958, p. 60, f. 10.

Spec. exam.: 6 exs., Orimok, Mt. Hallasan, Chejudo, Korea, 27. vii. 1990, M. T. Chûjô leg.

Gen. distr.: Korea (Chejudo Is.) & Japan (Tokyo & Kyushu).

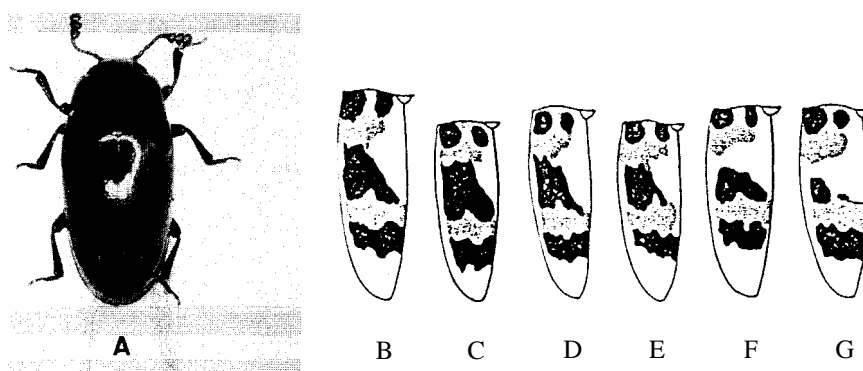


Fig. 2 *Microsternus tokioensis* Nakane. A: Dorsal view. B-G: Individual variation of elytral markings

Triplacinac

Cyrtotriplax Crotch, 1873

3. *Cyrtotriplax (Cyrtotriplax) cenchris* Lewis, 1887*

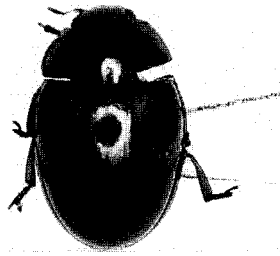
(Fig. 3)

Cyrtotriplax cenchris Lewis, Ann. Mag. Nat. Hist., [5], XX, 1887, pp. 64-65 (Japan). — Schönfeldt, Cat. Col. Japan, Nachtr. II, 1891, p. 271 (*Cyrtotriplax*). — Kuhnt, Gen. Ins., Wytzman, fasc. 88, 1909, p. 79 (*Tritoma*; etc.); id., Col. Cat., Junk, pars 34, 1911, p. 56. — Jacobson, Zhuki Rossicae, XI, 1915, p. 933. — Winkler, Cat. Col. Reg. Palaearcticae, pars 6, 1926, p. 715. — Miwa, Trans. Nat. Hist. Soc. Formosa, XIX, 1929, p. [126]. — Chûjô, Fauna Nipponica, X, fasc. 8, (5), Ins.-Col.-Erotyl., 1936, p. (87), 107-108, [171], f. 63. — Naruse, Insect Magazine, Tokyo, (41), 1958, p. 5; id., Hiiakura, Mie-KonchQ-Danwakai, Tsu, Japan, II, (22), 1958, p. 113. — Nakane, Shin-Konchû, Tokyo, Japan, XI, (7), 1958, p. (62), f. 24; id. op. cit., XI, (10), 1958, p. 58; id., Sci. Rep. Kyoto Pref. Univ., Japan, III, (1), 1959, p. 71. — Tam. et al., Akitu, Kyoto Ent. Soc., Japan, VIII, (4), 1959, p. 1. — Ohmachi et al., Bull. Mie Univ. Forests, Tsy Japan, (4), 1960, p. 25. — M. T. Chûjô, Miiado, Miscell. Ent. Japan, I, 1961, pp. 9-10, f. 1. — Nakane, Iconogr. Ins. Japonico-rum, Tokyo, II, 1963, p. 205, t. 103-f.6 (nota). — Yamashita et al., Research Data, Mie Univ.

Forests, Tsu, Japan, (1), 1968, p. 67. — Sasaji, The Life Study, Fukui, Japan, XIII, (1/2), 1969, p. 14. — Chŭjō, Fauna Japonica, *Ins.-Col.-Erotyl.*, 1969, p. (227), 241-242, t.16-f.3 (*Cyrtotriplax* s. str.). — Okadome, *Ins.-Fauna of Is. Yakushima*, Publ. Yaku-chō Board of Education, Kagoshima Pref., Japan, 1973, p. 129 (ditto). — Iablokoff-Khnzorian, *Acta Zool. Cracoviensia*, XX, 1975, p. (238), 242, t.18-f.5 (*Tritoma cenchrus*). — Sasaji, Tsushima-no-Seibutsu, Nagasaki-ken Biol. Soc., Japan, 1976, p. 668 (*Cyrtotriplax* s. str.). — Kido, *Kita-Kyushu-no-Konchū*, Kokura, Japan, XXIV, (2), 1977, p. 55 (*Tritoma cenchrus*, etc.); id., op. cit., XXVI, (1), 1979, p. 27 & 29. — Takakura et Kido, *Kita-Kyushu-no-Konchū*, Kokura, Japan, XXVII, (2), 1980, p. 55. — Nakane, Satsuma, *Kagoshima-Konchū-Dōkōkai*, Japan, XXXI, (88), 1982, p. 115; id., *Conserv. Rep. of Is. Yakushima Wild Area*, Kyushu, Japan, (Natural Conserv. Bureau, Environm. Agency of Japan), 1984, p. 615. — Kido, *Kita-Kyushu-no-Konchū*, Kokura, Japan, XXXI, (2), 1984, p. 110. — Narukawa, Hirakura, *Mie-Konchū-Danwakai, Tsu*, Japan, XXXI, (4), 1987, p. 58. — Narukawa et Ootobe, Hirakura, *Mie-Konchū-Danwakai, Tsu*, Japan, XXXI, (6), 1987, p. 92. — Yamawaki, *Kita-Kyushu-no-Konchū*, Kokura, Japan, XXXVI, (2), 1989, p. 139 (*Tritoma cenchrus*). — Takakura, *Col. Fauna of Fukuoka Pref.*, Japan, 1989, p. 477 (ditto).

Spec. exam.: 1 ex., Yongshil, Mt. Hallasan, Chejudo, Korea, 24. vii. 1990, M. T. Chŭjō leg.

Gen. distr.: Korea (Chejudo Island) & Japan (Honshu, Kyushu, Yakushima Is. & Tsushima Is.).



Fii 3. *Cyrtotriplax* (C.) *cenchrus* Lewis.

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Distribution of Chejudoen Erotylidae								
localities species	Chejudo Island	Mainland of Korea	Japan					Siberia
			Hokkaido	Honshu	Shikoku	Kyushu	Tsushima Is.	
<i>Episcapha</i> (E.) <i>flavofasciata</i> <i>flavofasciata</i>	X	X	X					X
<i>Micropedinus</i> <i>tokioensis</i>	X			X		X		
<i>Cyrtotriplax</i> (C. j) <i>cenchris</i>	X			X	X	x	x	x