

Nitidulidae from Chejudo Island

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

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Abstract

Collection of the Nitidulidae from Chejudo Is. comprises 11 species, which are all new to the fauna of this island.

NITIDULIDAE

Nitidulinae

1. *Epuraea (Eput-aea) parilis* Reitter, 1873*

(Fig. 1)

Epuraea parilis Reitter, Syst. Eintheil. Nitidul.: 26 & 37 (Japan).

Spec. exam.: 1 ex., Kujwa, Chejudo, Korea, 19. v. 1990, M. T. Chûjô leg.

Gen. Distr.: Korea (incl. Chejudo Is.) & Japan (Hokkaido, Honshu, Shikoku, Kyushu & Yakushima Is.).

2. *Epuraea (Epuraea) paulula* Reitter, 1873*

(Fig. 2)

Epuraea paulula Reitter, Syst. Eintheil. Nitidul.: 26 & 36 (Japan).

Spec. exam.: 1 ex., Ora-dong, Chejudo, Korea, 21. v. 1990, M. T. Chûjô leg.

Gen. distr.: Korea (Chejudo Is.) & Japan (Honshu & Shikoku).

1) Results from the Korea-Japan Co-operative Science Program on "The Evolution and Biogeography of the Insects in the East Asia". No. 2.

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

* Asterisk shows the species which has hitherto been unrecorded from the island.

3. *Epuraea (Micruria) mandibularis* Reitter, 1873*

(Fig. 3)

Epuraea mandibularis Reitter, Syst. Eintheil. Nitidul.: 27 & 38 (Japan).

Spec. exam: 1 ex., Cheju Junior College, Chejudo, Korea, 20. v. 1990, M. T. Chŭjŏ leg.

Gen. distr.: Korea (incl. Chejudo Is.); Formosa & Japan (Hokkaido, Honshu, Shikoku, Kyushu, Goto Isls. & Yakushima Is.).

4. *Physoronia hilleri* (Reitter, 1877)*

(Figs. 4A & 4B)

Soronia Hilleri Reitter, Deutsche Ent. Zeitschr., 21: 109-110 (Japan).

Spec. exam: 1 ex., Orimok, Mt. Hallasan, Chejudo, Korea, 27. vii. 1990, M. T. Chŭjŏ leg.

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

5. *Pocadites dilatimanus* (Reitter, 1877)*

(Fig. 5)

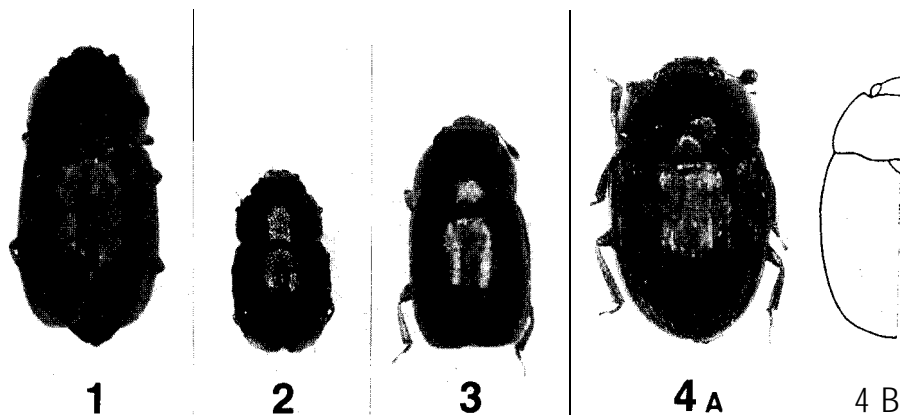
Stelidota dilatimanus Reitter, Deutsche Ent. Zeitschr., 21: 110-111 (Japan).

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

Gen. distr.: Korea (Chejudo Is.) & Japan (Hokkaido, Honshu, Sado Is., Shikoku, Kyushu, Izu Isls., Tsushima Is., Yakushima Is. & Tokara Isls.).

6. *Cyllodes ater* (Herbst, 1892)*

Strongylus ater Herbst, Käf. 4: 188, t. 43, f. 8 (N. & M. Europe). var. *Strongylus atterimus* Reitter, 1879, Deutsche Ent. Zeitschr., 23: 210 (Japan).



Figs. 1-4A,B, 1: *Epuraea (E.) parilis* Reitter; 2: *Epuraea (E.) paulula* Reitter; 3: *Epuraea (Micruria) mandibularis* Reitter; 4A: *Physoronia hilleri* (Reitter); 4B: Left elytral markings of *P. hilleri* (Reitter).

Spec. exam.: 43 exs., Yongshil, Mt. Hallasan, Chejudo, Korea, 24. vii. 1990, M. T. Chûjô leg.; 1 ex., Yongshil, Mt. Hallasan, Chejudo, Korea, 27. vii. 1990, M. T. Chûjô leg.

Gen. distr.: Korea (Chejudo Is.); Europe; Caucasus; Siberia & Japan (Hokkaido, Honshu, Shikoku, Kyushu, Izu Isls. & Tokara Isls.).

Note: These specimens were collected with many specimens of another *Cyllodes* species, *literatus* from under the bark of decayed wood (*Quercus crispula* Blume, Fagaceae).

7. *Cyllodes literatus* (Reitter, 1878)*

(Figs. 6A-6D)

Strongylus literatus Reitter, Deutsche Ent. Zeitschr., 22: 89 (Japan).

Spec. exam.: 17 exs., Yongshil, Mt. Hallasan, Chejudo, Korea, 24. vii. 1990, M. T. Chûjô leg.; 2 exs., Yongshil, Mt. Hallasan, Chejudo, Korea, 27. vii. 1990, M. T. Chûjô leg.; 1 ex.(banana trap), Yongshil, Mt. Hallasan, Chejudo, Korea, 27. vii. 1990, M. T. Chûjô leg.

Gen. distr.: Korea (Chejudo Is.) & Japan (Honshu, Shikoku & Kyushu).

Note: These specimens were collected with *Cyllodes ater* (Herbst) as mentioned above. The pattern of pronotal and elytral markings are very variable as shown in Figs. 6B-D. A specimen shown in Fig. 6B has well developed pronotal markings and moderately developed elytral markings, Fig. 6C has rather reduced pronotal markings and well developed elytral markings, and 6D has moderately developed pronotal markings and strongly reduced elytral markings.

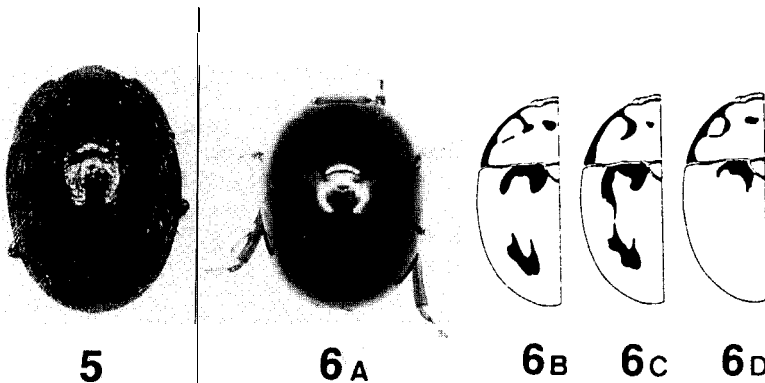
8. *Palodes cyrtusoides* Reitter, 1884*

Palodes cyrtusoides Reitter, Nitid. Japans.,: 269 (Japan).

Spec. exam.: 10 exs.(light trap), Kaewol Bridge, Chejudo, Korea, 26. vii. 1990, M. T. Chûjô leg.; 1 ex., Kaewol Bridge, Chejudo, Korea, 27. vii. 1990, M. T. Chûjô leg.

Gen. distr.: Korea (incl. Chejudo Is.) & Japan (Honshu, Sado Is., Shikoku, Kyushu, Izu Isls., Tsushima Isls. & Ryukyus).

Note: This species is easily separated from the other species recorded here by **lustre** brown color and



Figs. 5 & 6A-D. 5: *Pocadites dilatimanus* (Reitter); 6A: *Cyllodes literatus* (Reitter); 6B-D: Individual variation of left dorsal markings of *C. literatus* (Reitter).

hemispherical body. These specimens were collected from fungi of Russulaceae in the night under the light of electric torch.

9. *Neopallodes omogonis* Hisamatsu, 1953*

(Fig. 8)

Neopallodes omogonis Hisamatsu, Trans. Shikoku Ent. Soc., 3(5-6): 141-142 (Shikoku).

Spec. exam.: 7 **exs.**(at light), Kaewol Bridge, Chejudo, Korea, 26. vii. 1990, M. T. ChÛjô leg.; 54 **exs.**(at light), Kaewol Bridge, Chejudo, Korea, 27. vii. 1990, M. T. ChÛjô leg.

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

Cryptarchinae

10. *Cryptarcha strigata* (Fabricius, 1787)*

(Figs. 7A & 7B)

Nitidula strigata Fabricius, Mant. Ins., 1: 51 (Palearctic Region).

Spec. exam.: 2 **exs.**(banana trap), Yongshil, Mt. Hallasan, Chejudo, Korea, 27. vii. 1990, M. T. ChÛjô leg.

Gen. distr.: Korea (incl. Chejudo Is.); Europe; Siberia; N. America; Formosa & Japan (Hokkaido, Honshu, Sado Is., Shikoku, Kyushu, Tsushima Is., Tanegashima Is., Yakushima Is. & Ryukyus).

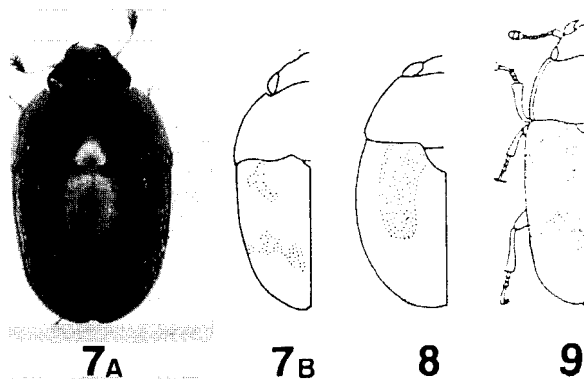
11. *Librodor christophi* (Reitter, 1879)*

(Fig. 9)

Ips christophi Reitter, Deutsche Ent. Zeitschr., 23: 219 (E. Siberia).

Spec. exam.: 1 **ex.**(banana trap), Yongshil, Mt. Hallasan, Chejudo, Korea, 27. vii. 1990, M. T. ChÛjô leg.

Gen. distr.: Korea (Chejudo Is.); E. Siberia & Japan (Hokkaido, Honshu, Shikoku & Kyushu).



Figs. 7A,B-9. 7A: *Cryptarcha strigata* (Fabricius); 7B: Left elytral markings of *C. strigata* (Fabricius); 8: Left elytral markings of *Neopallodes omogonis* Hisamatsu; 9: Left elytral markings of *Librodor christophi* (Reitter).

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		Distribution of Chejudoen Nitidulidae																			
Localities	Species	Chejudo Island		Mainland of Korea						Japan											
				Hokkaido	Honshu	Shikoku	Kyushu	Sadogashima I.	Izu Is.	Goto Is.	Tsushima Is.	Yakushima I.	Tokara Is.	Ryukyus	Siberia	Caucasus	Europe	Formosa	N. America		
	<i>Epuraca (Epuraea) parilis</i>	X	X	X	X	X	X					X									
	<i>E. (E.) paulula</i>	X			X	X															
	<i>E. (Micruria) mandibularis</i>	X	X	X	X	X	X		X		X										
	<i>Physoronia hilleri</i>	X		X	X	X	X														
	<i>Podactes dilatimanus</i>	X		X	X	X	X	X		X	X	X									
	<i>Polylodes ater</i>	X		X	X	X	X		X			X		X	X	X					
	<i>P. literalis</i>	X			X	X	X														
	<i>Polylodes cyrtusoides</i>	X	X		X	X	X	X		X			X								
	<i>Polypalodes omogonis</i>	X			X	X	X			X											
	<i>Cryptarcha strigata</i>	X	X	X	X	X	X	X		X			X	X		X	X	X			
	<i>Librodor christophi</i>	X		X	X	X	X							X							