

Nitidulidae from Korea (Coleoptera, Insecta)

Chujo, Michitaka

Lee, Chang Eon

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バージョン :

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Nitidulidae from Korea (Coleoptera, **Insecta**)^{1), 2)}

Michitaka CHŪJŌ

Hikosan Biological Laboratory, Faculty of Agriculture,
Kyushu University, **Fukuoka**, Japan 824-07

and

Chang Eon LEE

Department of Biology, College of Natural Science, Kyungpook
National University, Taegu, 702-701 Korea

Abstract. Collection of the family Nitidulidae from Korea made in 1991 and 1992 under the Korea-Japan Co-operative Science Program comprises 20 species, in which 11 species are newly recorded from mainland of Korea.

NITIDULIDAE

Carpophilinae

1. *Carpophilus hemipterus* (Linné)*

Dermestes hemipterus Linné, 1758, Syst. Nat., 10: 358 (Europe).

Spec. exam.: 1 ex., Jung Sam Ri, Joo Chun Meon, Sam Chung Gun, Gyeong Sang Nam do, Korea, 24. ix. 1991, M. T. Chūjō leg.

Gen. distr.: Korea; Japan (Iiokkaido, Honshu, Shikoku, Kyushu & Yakushima Is.), Cosmopolitan.

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- 1) Results from the Korea-Japan Co-operative Science Program on “The Evolution and Biogeography of the Insects in the East Asia”. No. 21.
 - 2) Contribution from the Hikosan Biological Laboratory, Faculty of Agriculture, Kyushu University (Ser. 4. No. 12).

* Asterisk shows the species which has hitherto been unrecorded from mainland of Korea.

Nitidulinae

2. *Haptoncus concolor* Murray*

Haptoncus concolor Murray, 1864, Trans. Linn. Soc. London, 24: 402 (New Guinea).

Spec. exam.: 2 exs., Kwang Nung, Pochon-gun, Kyonggi-do, Korea, 16-19. vii. 1992, S. Nomura leg.

Gen. distr.: Korea; Japan (Honshu, Shikoku, Kyushu, Izu Is., Tsushima Is. & Ryukyus), S. Asia & Madagascar.

3. *Haptoncus ocellaris* (Fairmaire)

Epuraea ocellaris Fairmaire, 1849, Rev. Zool., 1(2): 363 (Tahiti).

Spec. exam.: 9 exs., Kwang Nung, Pochon-gun, Kyonggi-do, Korea, 16-19. vii. 1992, S. Nomura leg.

Gen. distr.: Korea; Japan proper (excl. Hokkaido), China, S. Asia, Oceanic Isls., Madagascar & Africa.

4. *Epumea parilis* Reitter

Epuraea parilis Reitter, 1873, Verh. naturf. Ver. Brünn, 12: 26 & 37 (Japan).

Spec. exam.: 2 exs., Kwang Nung, Pochon-gun, Kyonggi-do, Korea, 14-19. v. 1992, M. T. Chŭjō leg.

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

5. *Ipidia variolosa* Reitter

Ipidia variolosa Reitter, 1879, Deutsche Ent. Zeit., 23(2): 215-216 (E. Siberia).

Spec. exam.: 1 ex., Naelyeong Ri, Samnae Myeon, Cheonla-buk do, S-Korea, 13. vii. 1991, M. T. Chŭjō leg.; 4 exs., Jeong Lyong Chy, San Nae Meon, Nam Weon Gun, Jeong Ra Bug do, Korea, 28. ix. 1991, M. T. Chŭjō leg.; 16 exs., Kwang Nung, Pochon-gun, Kyonggi-do, Korea, 14-19. v. 1992, M. T. Chŭjō leg.; 1 ex., Kwang Nung, Pochon-gun, Kyonggi-do, Korea, 16-19, vii. 1992, S. Nomura leg.

Gen. distr.: Korea; Japan proper, Formosa & E. Siberia.

6. *Atarphia quadripunctata* Reitter*

Atarphia quadripunctata Reitter, 1884, Wiener Ent. Zeit., 3: 263 (Japan).

Spec. exam.: 1 ex., Jeonglyeon Chi, Samnae Myeon, Cheonla-buk do, S-Korea, 16. vii. 1991, M. T. Chŭjō leg.

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

7. *Physoronia hilferi* (Reitter)*

Soronia Hilleri Reitter, 1877, Deutsche Ent. Zeit., 21: 109-110 (Japan).

Spec. exam.: 1 ex., Naelyeong Ri, Samnae Myeon, Cheonla-buk do, S-Korea, 13. vii. 1991, M. T. Chûjô leg.; 1 ex., Jeong Lyeon Chi, Samnae Myeon, Cheonla-buk do, S-Korea, 16. vii. 1991, M. T. Chûjô leg.; 2 exs., Doo Ryu Dong, Joo Chun Meon, Sam Chung Gun, Gyeong Sang Nam do, Korea, 25. ix. 1991, M. T. Chûjô leg.; 23 exs., Kwang Nung, Pochon-gun, Kyonggi-do, Korea, 14-19. v. 1992, M. T. Chûjô leg.

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

8. *Amphicrossus japonicus* Reitter*

Amphicrossus japonicus Reitter, 1873, Verh. naturf. Ver. Briinn, 12: 100 (Japan).

Spec. exam.: 12 exs., Kwang Nung, Pochon-gun, Kyonggi-do, Korea, 16-19. vii. 1992, M. T. Chûjô leg.

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

9. *Amphicrossus lewisi* Reitter*

Amphicrossus Zewisi Reitter, 1873, Verh. naturf. Ver. Brünn, 12: 100 (Japan).

Spec. exam.: 2 exs., Kwang Nung, Pochon-gun, Kyonggido, Korea, 16-19. vii. 1992, S. Nomura leg.

Gen. distr.: Korea; Japan (Honshu, Shikoku & Kyushu) & Formosa.

10. *Aethina inconspicua* Nakane

Aethina inconspicua Nakane, 1963, Iconogr. Ins. Japonicorum Colore nat. edit., 3: 193, Pl. 97, Fig. 3 (Japan: Honshu); id., 1967, Fragam. Col., Tokyo, (17): 67-68.

Spec. exam.: 2 exs., Kwang Nung, Pochon-gun, Kyonggi-do, Korea, 14-19. vii. 1992, M. T. Chûjô leg.

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

11. *Pocadites dilatimanus* (Reitter)*

Stelidota dilatimana Reitter, 1877, Deutsche Ent. Zeit., 21(1): 110-111 (Japan).

Spec. exam.: 1 ex., Naelyon Ri, Samnae Myeon, Cheonla-buk do, S-Korea, 13. vii. 1991, M. T. Chûjô leg.; 17 exs., Kwang Nung, Pochon-gun, Kyonggi-do, Korea, 14-19. vii. 1992, M. T. Chûjô leg.

Gen. distr.: Korea (incl. Chejudo); Japan proper.

12. *Pocadites japonicus* (Reitter)*

Pocadius japonicus Reitter, 1873, Verh. naturf. Ver. Briinn: 94 (Japan).

Spec. exam.: 1 ex., Naelyeong Ri, Samnae Myeon, Cheonla-buk do, S-Korea, 13. vii. 1991, M. T. Chûjô leg.

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

13. *Cyllodes ater* (Herbst)

Strongylus ater Herbst, 1892, Kaf., 4: 188, Tab. 43, Fig. 8 (N. & M. Europe).

Spec. exam.: 7 exs., Kwang Nung, Pochon-gun, Kyonggi-do, Korea, 14-19. vii. 1992, M. T.

Chŭjŏ leg.

Gen. distr.: Korea (incl. Chejudo); Japan proper, Siberia, Caucasus & Europe.

Cryptarchinae

14. *Lasiodactylus borealis* Hisamatsu*

Lasiodactylus borealis Hisamatsu, 1968, Trans. Shikoku Ent. Soc., 10(1): 11-12, Figs. 1-3 (Japan: E. Honshu).

Spec. exam.: 4 exs., Nae Lyong Ri, San Nae Meon, Nam Weon Gun, Jeong Ra Bug do, Korea, 26. ix. 1991, M. T. Chŭjŏ leg.

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

15. *Cryptarcha strigata* (Fabricius)

Nitidula strigata Fabricius, 1787, Mant. Ins., 1: 51 (Europe).

Spec. exam.: 1 ex., Kwang Nung, Pochon-gun, Kyonggi-do, Korea, 16-19. vii. 1992, S. Nomura leg.

Gen. distr.: Korea (incl. Chejudo); Japan proper, Formosa, Siberia, Europe & N. America.

16. *Librodor ipsoides* (Reitter)

Chryptarcha ipsoides Reitter, 1879, Deutsch Ent. Zcit., 23: 218 (E. Siberia).

Spec. exam.: 1 ex., Kwang Nung, Pochon-gun, Kyonggi-do, Korea, 19. vii. 1992, K. Morimoto leg.; 1 ex., Kwang Nung, Pochon-gun, Kyonggi-do, Korea, 16-19. vii. 1992, S. Nomura leg.; 1 ex., Kwang Nung, Pochon-gun, Kyonggi-do, Korea, 16-19. vii. 1992, M. T. Chŭjŏ leg.

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

17. *Librodorjaponicus* (Motschulsky)

Ips japonicus Motschulsky, 18.57, Etud. Ent., 6: 28 (Japan) (as Ipidae).

Spec. exam.: 3 exs, Kwang Nung, Pochon-gun, Kyonggi-do, Korea, 16-19, vii. 1992, S. Nomura leg.

Gen. distr.: Korea (incl. Chejudo); Japan (Hokkaido, Honshu, Shikoku, Kyushu, Sado Is. & Tsushima Is.), China, Formosa & Indonesia.

18. *Librodor pantherinus* (Reitter)*

Cryptarcha pantherina Reitter, 1879, Deutsche Ent. Soc., 23: 217 (E. Siberia).

Spec. exam.: 1 ex., Naelyong Ri, SamNaeMyeon, Cheonla-buk do, S-Korea, 13. vii. 1991, M. T. Chŭjŏ leg.; 1 ex., Doo Ryu Dong, Joo Chun Meon, Sam Chung Gun, Gyeong Sang Nam do, Korea, 23. ix. 1991, M. T. Chŭjŏ leg.

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

19. *Librodor parvipustulatus* (Kolbe)

Ips parvipustulata Kolbe, 1886, Arch. Nat., 52(1): 180, Taf. 11, Fig. 2 (Japan to N. China incl. Korea)(as Ipidae).

Spec. exam.: 1 ex.(light trap), Kwang Nung, Pochon-gun, Kyonggi-do, Korea, 16-19, vii. 1992, K. Morimoto leg.; 1 ex.(light trap), Kwang Nung, Pochon-gun, Kyonggi-do, Korea, 16-19, vii. 1992, M. T. Chûjô leg.; 4 exs., Kwang Nung, Pochon-gun, Kyonggi-do, Korea, 16-19. vii. 1992, S. Nomura leg.

Gen. **distr.:** Korea; Japan & N. China.

20. *Librodor rufiventris* (Reitter)*

Ips rufiventris Reitter, 1879, Deutsche Ent. Zeit., 23(2): 219 (E. Siberia).

Spec. exam.: 5 exs., Kwang Nung, Pochon-gun, Kyonggi-do, Korea, 16-19. vii. 1992, S. Nomura leg.

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

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REFERENCES

- Cho, P. S., 1957. A Systematic Catalog of Korean Coleoptera. *Humanities and Sciences, Korea Univ.*, 2: 1-154 (In Korean).
- 1963, 4. Insects of Quelpart Island (Cheju-do). *ibid.*, 6: 159-242 (In Korean).
- Chūjō, M. T. et al., 1992. Nitidulidae from Chejudo Island. *Esakia, Kyushu Univ. Publ. Ent.*, (32): 19-24, Figs. 1-9.
- Hisamatsu, S., 1958. A revision of the Japanese Cryptarchinae (Col., Nitidulidae). *Gensei*, (8): 1-7, 26 figs. (In Japanese).
- 1968. The genus *Lasiodactylus* Perty in Japan (Coleoptera: Nitidulidae). *Trans. Shikoku Ent. Soc.*, 10 (1): 11-12, Figs. 1-3.
- 1985. Nitidulidae. In *Coleoptera of Japan in Color*, Hoikusha Publ. Co. Ltd., Osaka, Japan, Vol. III, pp. 174-197 (In Japanese).
- Kolbe, H. J., 1886. Beiträge zur Kenntniss der Coleopteren-Fauna Koreas. *Arch. Nat.*, 52 (1): 180-181.
- Medvedev, G. S., 1992. Key to the identification of insects of the Soviet Far East. III. Colcoptera. pp. 114-167, Figs. 51-81. Nauka, Leningrad (in Russian).
- Nakane, T., 1963. Iconogr. Ins. Japonicorum Colore nat edit., 3: 193, Pl. 97, Fig. 3 (In Japanese).
- 1967. New or little known Coleoptera from Japan and its adjacent regions. *Fragm. Col.*, Tokyo, 17: 67-68.
- Reitter, E., 1873. Systematische Eintheilung der Nitidulien. *Verh. naturf. Ver. Brünn*, 12 (1): 5-194.
- 1877. Beiträge zur Käferfauna von Japan, meist auf R. Hiller's Sammlungen basirt. Japanische Nitidulidae. *Deutsche Ent. Zeitschr.*, 21 (1): 109-111.
- 1879. Verzeichniss der von H. Christoph in Ost-Sibirien gesammelten Clavicomien etc. *Deutsche Ent. Zeitschr.*, 23 (2): 215-219.
- 1884. Die Nitiduliden Japans. *Wiener Ent. Zeit.*, 3: 263 (Japan).
- Seok, D. M., 1970. The Insect Fauna of the Is. Quelpart. Boo Sin Sai K. K., Seoul. 186 pp. (In Korean).

Explanation of Plate 2

1. *Carpophilus hemipterus* (Linné) Length: 3.2mm.
2. *Haptoncus concolor* Murray .. L.: 2.0mm.
3. *Haptoncus ocularis* (Fairmairc) . . L.: 3.2mm.
4. *Ipidea variolosa* Reitter,.. L.: 4.5mm.
5. *Atarphia quadripunctata* Reitter . . L.: 4.1mm.
6. *Physoronia hilleri* (Reitter) L.: 3.9mm.
7. *Amphicrossus japonicus* Reitter .. L.: 4.9mm.
8. *Amphicrossus lewisi* Reitter L.: 5.2mm.
9. *Aethina inconspicua* Nakane L.: 3.0mm.
10. *Pocadites dilatimanus* (Reitter) L.: 3.7mm.
11. *Pocaditesjapozicus* (Reitter) L.: 4.5mm.
12. *Lasiodactylus borealis* Hisamatsu . . L.: 6.4mm.
13. *Cryptarcha strigata* (Fabricius) __ L.: 3.4mm.
14. *Librodor ipsoides* (Reitter) .. L.: 8.2mm.
15. *Librodor juponicus* (Motschulsky) ..L.:10.7mm.
16. *Librodor rufiventris* (Reitter) . . L.: 6.5mm.

PLATE 2

