

Synonymic Notes on Callichromatine Species (Coleoptera, Cerambycidae, Cerambycinae) Described from Japan

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Abstract *Aromia japonica* PODANÝ, 1968 and *Chelidonium testaceicorne* PIC, 1946 are synonymised with *Chloridolum thaliodes* BATES, 1884 and *Hybunca chrysogramma barombana* SCHMIDT, 1922, respectively. *Leontium multiplicatum* PIC, 1946 is confirmed as a junior synonym of *L. viride* THOMSON, 1864 as was suggested by NAKANE (1976 b).

Key words: Coleoptera, Cerambycidae, Callichomatini, Synonym, Japan.

Introduction

There are three callichromatine species on the catalogue of Japanese Cerambycidae, though they have never been found from Japan since their discoverey (OHBAYASHI & NIISATO, 2007). After the revision of their type specimens, we have been able to identify them. The first, *Aromia japonica* PODANÝ, 1968 is a junior synonym of *Chloridolum thaliodes* BATES, 1884. The second, *Leontium multiplicatum* PIC, 1946 is reconfirmed as a synonym of *Leontium viride* THOMSON, 1864 as was suggested by NAKANE (1976 b). In addition, *Chelidonium testaceicorne* PIC, 1946 is a synonym of *Hybunca chrysogramma barombana* SCHMIDT, 1922, an African species.

The abbreviations used in the depositories of the type specimens are as follows: MNHNP – Muséum National d’Histoire Naturelle de Paris; SFNF – Senckenberg Forschungsinstitut und Naturmuseum, Frankfurt am Main.

Chloridolum (Chloridolum) thaliodes BATES, 1884

(Figs. 1–2, 12–13)

Chloridolum thaliodes BATES, 1884, 226; type localit(ies): Sapporo, Kobe.

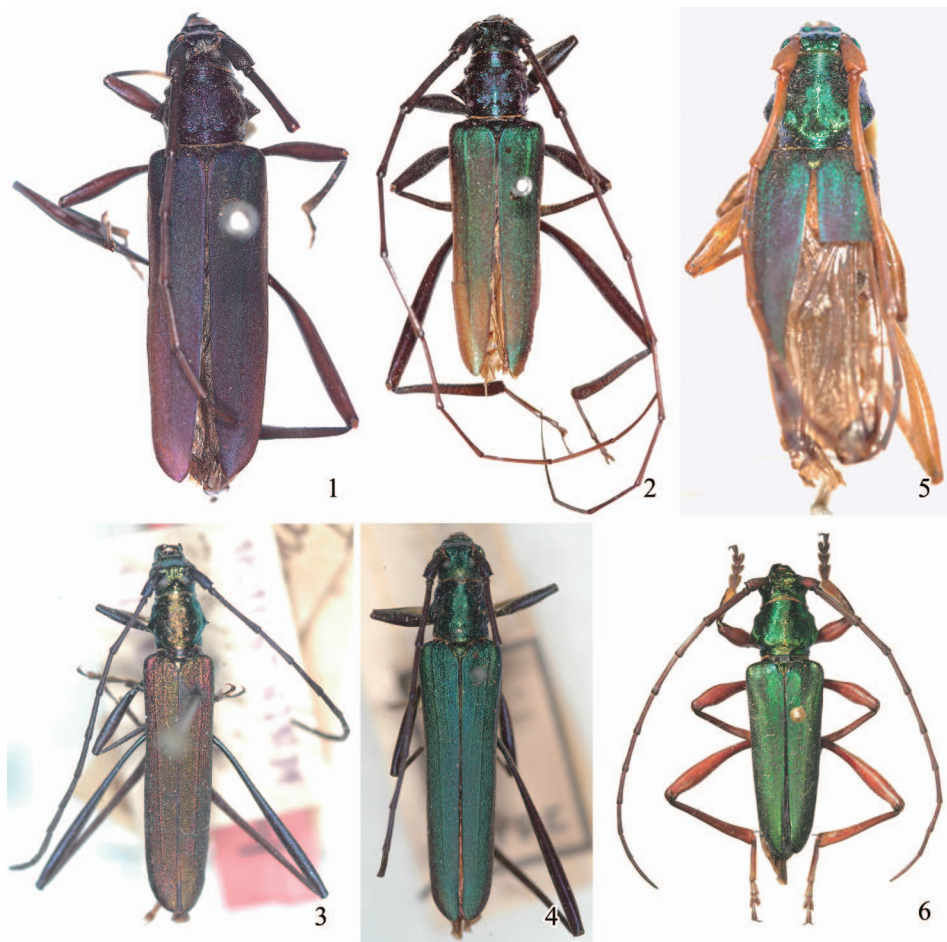
Chloridolum (Parachloridolum) thaliodes: PLAVILSTSHIKOV, 1934, 69.

Chloridolum (Chloridolum) thaliodes: KUSAWA & TAKAKUWA, 1984, 299.

Aromia japonica PODANÝ, 1968, 302, pl. 7, fig. 47; type area: Japan. **Syn. nov.**

Material examined. *Chloridolum thaliodes* BATES: Lectotype, male, Japan, ex coll. W. BATES (in MNHNP). *Aromia japonica* PODANÝ: Holotype, female, Japan, coll. E. WHITTE (in SFNF).

Notes. *Aromia japonica* PODANÝ, 1968, is no doubt a junior synonym of *Chloridolum thaliodes* BATES, 1884, since the structure of pronotum and antennae, and the length of hind femora completely correspond between these two taxa. The holotype of *A. japonica* has an unusual dark purplish body unlike the normal form of *C. thaliodes* which almost always has the dark green body. NAKANE (1976 a) already suggested a possibility that *A. japonica* may be a



Figs. 1–6. Callichromatine species described from Japan. — 1, *Aromia japonica* PODANÝ, holotype female in SFNF; 2, *Chloridolum thaliodes* BATES, lectotype male in MNHP; 3, *Leontium multiplicatum* PIC, holotype female in MNHNP; 4, *Leontium viride* THOMSON, holotype male in MNHNP; 5, *Chelidonium testaceicornis* PIC, holotype male in MNHNP; 6, *Hybunca chrysogramma barombana* SCHMIDT, male from Camerun.

junior synonym of *C. thaliodes* except for its colour variation. According to K. AKITA (pers. comm.), he had examined an individual variation similar to the holotype of *A. japonica*.

Chloridolum (Leontium) viride (THOMSON, 1864)

(Figs. 3–4)

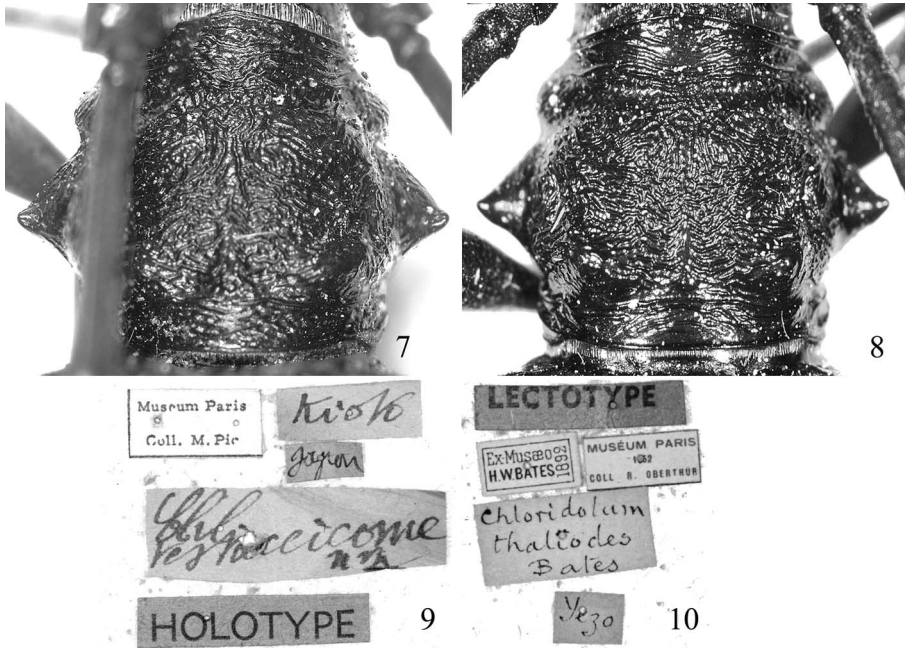
Leontium viride THOMSON, 1864, 175; type area: Malacca (*cit.* type label written by THOMSON).

Chloridolum (Leontium) viride: GRESSITT & RONDON, 1970, 167.

Callichroma tenuatum BATES, 1873, 197; type locality: Kobe, Japan.

Leontium multiplicatum PIC, 1946 (b), 14; type locality: Sounkyo, Hokk.

Material examined. *Leontium viride*: Holotype, female, Malacca, ex coll. J. THOMSON (in



Figs. 7–8. Pronotum of holotypes of *Aromia japonica* PODANÝ (7) and *Chloridolum thaliodes* BATES (8).
 — 9–10. Labels of holotypes of *Chelidonium testaceicorne* PIC (9) and *Chloridolum thaliodes* BATES (10).

MNHNP). *Leontium multiplicatum* PIC: Holotype, male, Sounkyo, Hokk., coll. Pic (in MNHNP).

Notes. PIC (1946 b) literally suggested that *Leontium multiplicatum* is a close relative of *L. tenuatum* BATES, 1873 in his original description (*L. tenuatum* is also a synonym of *L. viride* THOMSON, 1864). After a comparative examination between the holotypes of *L. multiplicatum* and *L. viride*, it was revealed that both the taxa are synonymous. Their synonymies are already suggested by NAKANE (1976 b) based on his direct examination of the holotype of *L. multiplicatum*. He also wrote that the holotype of *L. multiplicatum* was determined as a forma of *L. viride* by VILLIERS and HAYASHI. However, we did not recognize such a label in the lectotype.

Hybunca chrysogramma barombana SCHMIDT, 1922

(Figs. 5–6)

Hybunca chrysogramma ssp. *barombana* SCHMIDT, 1922, 174; type locality: Kamerun, Barombi.

Chelidonium testaceicorne PIC, 1946 (a), 7; type locality: Kioto, Japon. **Syn. nov.**

Material examined. *Hybunca chrysogramma barombana*: 1 male, Camerun, 1997, in coll. P. JUHEL. *Chelidonium testaceicorne* PIC: Holotype, male, Kioto, Japon (in MNHNP).

Notes. According to the original description by PIC (1946 a), *Chelidonium testaceicorne* was found at Kioto of Japan without other detailed data. Nonetheless, the holotype of this species no doubt belongs to *Hybunca chrysogramma barombana* described from Gabon and Camerun, West Africa (SCHMIDT, 1922). It is not first time that we found mistakes for identification or original

locality described by PIC (see BENTANACHS & JUHEL, 2006, “*Polyzonus testaceipennis* from China”). *Chelidonium testaceicorne* should be regarded as a junior synonym of *Hybunca chrysogramma barombana*, and excluded from the Oriental fauna.

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要 約

J. BENTANACHS・新里達也・大林延夫：日本から記載されたアオカミキリ類不明種の分類学的処置 —— 日本を基準産地として記載されながら、その後再発見されていないアオカミキリ類の不明種3種について、タイプ標本を調査してその実態を明らかにするとともに、同物異名の分類学的処置を行った。

Aromia japonica PODANÝ, 1968 と *Chelidonium testaceicorne* PIC, 1946 は、それぞれオオアオカミキリ *Chloridolum thaliodes* BATES, 1884 とアフリカ産 *Hybunca chrysogramma barombana* SCHMIDT, 1922 の同物異名であった。また、*Leontium multiplicatum* PIC, 1946 は、すでに中根 (1976 b) が指摘しているように、ミドリカミキリ *Leontium viride* THOMSON, 1864 の同物異名であった。

References

- BATES, H. W., 1873. On the Longicorn Coleoptera of Japan. *Ann. Mag. nat. Hist.*, (4), **12**: 193–201.
 ——— 1884. Longicorn beetles of Japan, Additions, chiefly from the later collection of Mr. George LEWIS, and notes on the synonymy, distribution and habits of the previously known species. *J. linn. Soc. London*, (Zool.), **18**: 205–262, pls. I–II.
 BENTANACHS, J., & P. JUHEL, 2006. A propos de *Polyzonus testaceipennis* Pic, 1922. *Entomol. Afric.*, **8**(1): 55–57.
 GRESSITT, J. L., & J. A. RONDON, 1970. Cerambycids of Laos (Distenidae, Prioninae, Philinae, Aseminae, Lepturinae, Cerambycinae). *Pacif. Ins. Mon.*, **24**: 1–314.
 KUSAWA, K., & M. TAKAKUWA, 1984. Cerambycinae. In Jpn. Soc. Coleopterol. (ed.): *Longicorn Beetles in Color*, 249–351, pls. 26–48. (In Japanese.)
 NAKANE, T., 1976 a. Cerambycidae 28. Beetles of Japan (new series) 33. *Ins. & Nat., Tokyo*, **11**(8): 10–14. (In Japanese.)
 ——— 1976 b. Cerambycidae 31. Beetles of Japan (new series) 36. *Ibid.*, **11**(11): 11–14. (In Japanese.)
 OHBAYASHI, N., & T. NIISATO (eds.), 2007. Longicorn Beetles of Japan. 818 pp. Tokai Univ. Press, Hadano. (In Japanese.)
 PIC, M., 1946 a. Coléoptères du globe (suite). *Échange, Paris*, **62**(504): 1–8.
 ——— 1946 b. Coléoptères du globe (suite). *Ibid.*, **62**(506): 1–14.
 PLAVILSTSHIKOV, N. N., 1934. Cerambycidae III. Teil. Cerambycini III. (Callichromina, Rosaliina, Callidiina). *Best.-Tab. eur. Coleopt.*, **112**: 1–230.
 PODANÝ, C., 1971. Studein über Callichromatini der paläarktischen und orientalischen region II. *Entom. Abh. Mus. Tierk. Dresden*, **38**: 253–313.
 SCHMIDT, M., 1922. Die afrikanischen Callichromatinen nach systematischen, phylogenetischen und geographischen Gesichtspunkten. *Arch. Naturg.*, **6**: 61–232.

THOMSON, J., 1864. Systema Cerambycidarum ou exposé de tous les genres compris dans la famille des Cérambycides.
Mém. Soc. roy. Sci. Liège, **19**: 1–352.

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