

A Check List of Mecoptera (Insecta) of Taiwan¹

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Abstract: This paper lists 2 families, 3 genera and 43 species of Taiwanese Mecoptera (Insecta). References, synonyms, collecting localities and Chinese names are also included. Besides, the recorded localities of two species, *Neopanorpa formosensis* Navás and *Panorpa lachlani* Navás, may be a mistake in original description, and probably belong to Japan.

Key words: Mecoptera, checklist, Taiwan.

Family BITTACIDAE 蚊蠋蛉科 Genus *Bittacus* Latreille 蚊蠋蛉屬

Bittacus chujoi Issiki & Cheng 中條蚊蠋蛉

Bittacus chujoi Issiki & Cheng, 1947: 14. - Penny and Byers, 1979: 367.

Distribution: Taiwan (Fushan (= Rimogan)).

Bittacus formosanus Issiki 蓬萊蚊蠋蛉

Bittacus formosanus Issiki, 1927: 10. - Penny and Byers, 1979: 368.

Distribution: Taiwan (Taping (= Taipin), Hsiaolin (= Kobayashi), Shuili (= Suiriko), Lienhuachih (= Rengchi)).

Bittacus maculatus Issiki 斑紋蚊蠋蛉

Bittacus maculatus Issiki, 1927: 8. - Penny and Byers, 1979: 368.

Distribution: Taiwan (Henchun (= Koshun)).

Bittacus sonani Issiki 楚南蚊蠋蛉

Bittacus sonani Issiki, 1929b: 311. - Penny and Byers, 1979: 369.

Distribution: Taiwan (Sungkang (= Mt. Tattaka)).

Bittacus striatus Issiki 條紋蚊蠋蛉

Bittacus striatus Issiki, 1927: 9. - Penny and Byers, 1979: 369.

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Distribution: Taiwan (Hsiaolin (= Kobayashi), Taping (= Taipin)).

Family PANORPIDAE 蠍蛉科
Genus *Neopanorpa* Weele 新蠍蛉屬

Neopanorpa dispar Issiki & Cheng 翅端新蠍蛉

Neopanorpa dispar Issiki & Cheng, 1947: 12. - Yie, 1951:6. - Penny and Byers, 1979: 374.

Distribution: Taiwan (Chaojih (= Asahi), Fushan (= Rimogan)).

Neopanorpa formosana (Navás) 臺灣新蠍蛉

Campodotecnium formosanum Navás, 1911: 114.

Panorpa formosana (Navás): Esben-Petersen, 1912: 198. - Miyake, 1913: 345.

Neopanorpa formosana (Navás): Esben-Petersen, 1915: 227. - Issiki & Cheng, 1947: 13. - Yie, 1951:6. - Penny and Byers, 1979: 374.

Distribution: Taiwan (Lienhuachih (= Rengeji), Tainan, Talin (Taihorin), Wushe (= Musha)).

Neopanorpa formosensis Navás 蓬萊新蠍蛉

Neopanorpa formosensis Navás, 1930: 430. - Penny and Byers, 1979: 374.

Distribution: Taiwan (Hayakawa).

Remarks: This species was described from Taiwan, however, the locality recorded in Navás (1930) maybe belong to Japan.

Neopanorpa gradana Cheng 小新蠍蛉

Neopanorpa gradana Cheng, 1952: 92. - Penny and Byers, 1979: 374.

Distribution: Taiwan (Hualien (= Karenko)).

Neopanorpa k-maculata Cheng K 紋新蠍蛉

Neopanorpa k-maculata Cheng, 1952: 90. - Penny and Byers, 1979: 375.

Distribution: Taiwan (Tashulin).

Neopanorpa magna Issiki 大新蠍蛉

Neopanorpa magna Issiki, 1927: 7. - Issiki & Cheng, 1947: 14. - Yie, 1951:6. - Penny and Byers, 1979: 375.

Distribution: Taiwan (Alishan (= Arisan), Fenchifu (= Funkiko), Nanshantsun (= Pianan), Sungkang (= Tattaka), Yushih (= Miharashi)).

Neopanorpa makii Issiki 牧氏新蠍蛉

Neopanorpa makii Issiki, 1927: 6. - Issiki & Cheng, 1947: 14. - Yie, 1951:6. - Penny and Byers, 1979: 375.

Distribution: Taiwan (Alishan (= Arisan), Fenchifu (= Funkiko), Puli (= Hori), Wushe (= Musha), Yushih (= Miharashi)).

Neopanorpa sauteri (Esben-Petersen) 紹德新蠍蛉

Panorpa sauteri Esben-Petersen, 1912: 197. - Miyake, 1913: 346.

Neopanorpa sauteri (Esben-Petersen): Esben-Petersen, 1915: 227. - Issiki & Cheng, 1947: 13. - Yie, 1951:6. - Penny and Byers, 1979: 375.

Distribution: Taiwan (Henchun (= Koshun), Laiye (= Raisha)).

Genus *Panorpa* Linnaeus 蠍蛉屬

Panorpa akasakai Issiki 赤坂蠍蛉

Panorpa akasakai Issiki, 1929b: 291. - Issiki & Cheng, 1947: 8. - Yie, 1951:6. - Penny and Byers, 1979: 376.

Distribution: Taiwan (Alishan (= Arisan), Bokyozan, Paikou (= Hakko), Shihtyutsun (= Jujiro)).

Panorpa angustistriata Issiki 窄紋蠍蛉

Panorpa angustistriata Issiki, 1929b: 270. - Issiki & Cheng, 1947: 8. - Yie, 1951:6. - Penny and Byers, 1979: 376.

Distribution: Taiwan (Tungnunkao (= Higashinoko)).

Panorpa apiconebulosa Issiki 端黑蠍蛉

Panorpa apiconebulosa Issiki, 1929b: 287. - Issiki & Cheng, 1947: 9. - Yie, 1951:6. - Penny and Byers, 1979: 376.

Distribution: Taiwan (Hualien (= Karenko), Tungnunkao (= Higashinoko)).

Panorpa bistrata Issiki 雙紋蠍蛉

Panorpa bistrata Issiki, 1929b: 265. - Issiki & Cheng, 1947: 10. - Yie, 1951:6. - Penny and Byers, 1979: 376.

Distribution: Taiwan (Mt. Guntaisan, Meifeng (= Mt. Sankakuho), Sungkang (= Mt. Tattaka)).

Panorpa brevititilana Issiki 短突蠍蛉

Panorpa brevititilana Issiki, 1929b: 293. - Issiki & Cheng, 1947: 9. - Yie, 1951:6. - Penny and Byers, 1979: 376.

Distribution: Taiwan (Kiuhabon).

Panorpa bunun Issiki 布農蠍蛉

Panorpa bunun Issiki, 1929: 275. - Issiki & Cheng, 1947: 10. - Yie, 1951:6. - Penny and Byers, 1979: 376.

Distribution: Taiwan (Mt. Guntaisan, Mt. Lantashan (= Mt. Rantaisan)).

Panorpa concolor Esben-Petersen 單色蠍蛉

Panorpa concolor Esben-Petersen, 1915: 220. - Esben-Petersen, 1921: 32. - Issiki, 1927: 4. - Penny and Byers, 1979: 377.

Distribution: Taiwan (Puli (= Hori), Anping).

Panorpa deceptor Esben-Petersen 斑蠍蛉

Panorpa deceptor Esben-Petersen, 1913: 263. - Issiki & Cheng, 1947: 8. - Yie, 1951:6. - Penny and Byers, 1979: 377.

Distribution: Taiwan (Anping, Chiasien (= Kosempo), Hsiaolin (= Sokutsu), Talin (= Taihorin),

Taihorinsho)).

Panorpa esakii Issiki 江崎蠍蛉

Panorpa esakii Issiki, 1929b: 296. - Issiki & Cheng, 1947: 10. - Yie, 1951:6. - Penny and Byers, 1979: 377.

Distribution: Taiwan (Alishan (= Arisan), Chusan (= Iwaiyama)).

Panorpa falsa Issiki & Cheng 偽蠍蛉

Panorpa falsa Issiki & Cheng, 1947: 2. - Yie, 1951:6. - Penny and Byers, 1979: 377.

Distribution: Taiwan (Kueisan (= Kizan), Kungkuan (= Kokan), Shanglienpei, Shinten, Taipei (= Taihoku), Tatungshan (= Daitonsan)).

Panorpa hamata Issiki & Cheng 鉤蠍蛉

Panorpa hamata Issiki & Cheng, 1947: 3. - Yie, 1951:6. - Penny and Byers, 1979: 378.

Distribution: Taiwan (Tungnunkao (= Higashinoko)).

Panorpa horiensis Issiki 埔里蠍蛉

Panorpa horiensis Issiki, 1929a: 189. - Issiki & Cheng, 1947: 11. - Yie, 1951:6. - Penny and Byers, 1979: 378.

Distribution: Taiwan (Meifeng (= Sankakuho), Puli (= Hori, Horishia), Wushe (= Musha)).

Panorpa japonica Thunberg 日本蠍蛉

Panorpa japonica Thunberg: Navás, 1930: 429.

Distribution: Taiwan (Genjiyama(?), Japan.

Panorpa issikii Penny & Byers 一色蠍蛉

Panorpa acuta Issiki & Cheng, 1947: 4. (not Carpenter, 1931) - Yie, 1951:6.

Panorpa issikii Penny & Byers, 1979: 378.

Distribution: Taiwan (Chuilo (= Suiroku), Tailuko (= Taroko valley)).

Panorpa lachlani Navás 拉氏蠍蛉

Panorpa lachlani Navás, 1930: 429. - Penny and Byers, 1979: 379.

Distribution: Taiwan (Genjiyama, Onsen, Ooyama).

Remarks: This species was described from Taiwan, however, the localities recorded in Navás (1930) maybe belong to Japan.

Panorpa lintienschana Cheng 林田山蠍蛉

Panorpa lintienschana Cheng, 1952: 89. - Penny and Byers, 1979: 379.

Distribution: Taiwan (Lintienschan).

Panorpa longiramina Issiki & Cheng 長側蠍蛉

Panorpa longiramina Issiki & Cheng, 1947: 6. - Yie, 1951:6. - Issiki, 1965: 245. - Penny and Byers, 1979: 379.

Distribution: Taiwan (Alishan (= Arisan), Lantasan (= Rantaisan), Puli (= Horishia), Taipingshan (=

Taiheisan), Tsuifeng (= Oiwake), Yushih (= Miharashi)).

Panorpa longititilana Issiki 長突蠍蛉

Panorpa longititilana Issiki, 1929b: 263. - Issiki & Cheng, 1947: 11. -Yie, 1951:6. - Penny and Byers, 1979: 379.

Distribution: Taiwan (Lantashan (= Mt. Rantaisan)).

Panorpa nokoensis Issiki 能高蠍蛉

Panorpa nokoensis Issiki, 1929b: 261. - Issiki & Cheng, 1947: 11. — Yie, 1951:6. - Penny and Byers, 1979: 379.

Distribution: Taiwan (Nengkao (= Noko), Ononu, Yushih (= Miharashi)).

Panorpa ochraceocauda Issiki 淡黃蠍蛉

Panorpa ochraceocauda Issiki, 1927: 3. -Yie, 1951:6. - Penny and Byers, 1979: 379.

Distribution: Taiwan (Lantashan (= Mt. Rantaisan), Sungkang (= Tattaka)).

Panorpa ophthalmica (Navás) 細紋蠍蛉

Campodotecnium ophthalmicum Navás, 1911: 113. - Esben-Petersen, 1913: 265.

Panorpa ophthalmica (Navás): Miyake, 1913: 344. - Penny and Byers, 1979: 380.

Neopanorpa ophthalmica Navás: Navás, 1930: 430. - Esben-Petersen, 1915: 227. - Issiki & Cheng, 1947: 13.- Yie, 1951:6. - Issiki, 1965: 245.

Distribution: Taiwan (Chichi (= Chip Chip), Chitou (= Keito), Fengshan (= Hoozan), Kuanshan (= Alikang), Kueisan (= Kizan), Laiye (= Raisha), Lienhuachih (= Rengeji), Shuisheliao (= Suisharyo), Tainan, Talin (Taihorin, Taihorinsho), Wushe (= Musha)).

Panorpa pallidimaculata Issiki 淡紋蠍蛉

Panorpa pallidimaculata Issiki, 1929b: 286. -Yie, 1951:6. - Penny and Byers, 1979: 380.

Distribution: Taiwan (Sungkang (=Mt. Tattaka), Mt. Guntaisan).

Panorpa pectinata Issiki, 1929 梳狀蠍蛉

Panorpa pectinata Issiki, 1929b: 267. - Issiki & Cheng, 1947: 8. -Yie, 1951:6. - Penny and Byers, 1979: 380.

Distribution: Taiwan (Alishan (= Mt. Arisan), Mt. Guntaisan).

Panorpa peterseana Issiki 彼得蠍蛉

Panorpa peterseana Issiki, 1927: 2. - Issiki & Cheng, 1947: 11. -Yie, 1951:6. - Penny and Byers, 1979: 380.

Distribution: Taiwan (Chinshuiying (= Shinsuiei), Kunanau, Lantashan (= Mt. Rantaisan), Tashulin (= Daijurin)).

Panorpa rantaisanensis Issiki 郡大山蠍蛉

Panorpa rantaisanensis Issiki, 1929b: 273. -Yie, 1951:6. - Penny and Byers, 1979: 380.

Distribution: Taiwan (Lantashan (= Mt. Rantaisan)).

***Panorpa shibatai* Issiki 柴田蠍蛉**

Panorpa shibatai Issiki, 1929b: 280. - Issiki & Cheng, 1947: 9. - Yie, 1951:6. - Penny and Byers, 1979: 380.

Distribution: Taiwan (Alishan (= Mt. Arisan)).

***Panorpa sonai* Issiki 楚南蠍蛉**

Panorpa sonai Issiki, 1929b: 282. - Yie, 1951:6. - Penny and Byers, 1979: 380.

Distribution: Taiwan (Hsinmachia (= Makazayazaya)).

***Panorpa taiheisanensis* Issiki 太平山蠍蛉**

Panorpa taiheisanensis Issiki, 1929a: 182. - Issiki & Cheng, 1947: 8. - Yie, 1951:6. - Penny and Byers, 1979: 381.

Distribution: Taiwan (Taipingshan (= Mt. Taiheisan)).

***Panorpa taiwanensis* Issiki 臺灣蠍蛉**

Panorpa taiwanensis Issiki, 1929b: 278. - Issiki & Cheng, 1947: 9. - Yie, 1951:6. - Issiki, 1965: 245. - Penny and Byers, 1979: 381.

Distribution: Taiwan (Alishan (= Mt. Arisan), Bokyozan, Lantashan (= Mt. Rantaisan), Tsuifeng (= Oiwake)).

***Panorpa yiei* Issiki & Cheng 易氏蠍蛉**

Panorpa yiei Issiki & Cheng, 1947: 5. - Yie, 1951:6. - Penny and Byers, 1979: 381.

Distribution: Taiwan (Alishan (= Arisan)).

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臺灣長翅目 (昆蟲綱) 名錄¹

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摘要：本名錄羅列臺灣產長翅目 2 科、3 屬、43 種之學名、中名、文獻、異名及採集地等。但是 *Neopanorpa formosensis* Navás 與 *Panorpa lachlani* Navás 也許是分布於日本的種類。

關鍵詞：長翅目、名錄、臺灣。

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