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Checklist of Lycidae (Coleoptera: Elateriformia) of Taiwan 【Research report】

臺灣紅螢科(鞘翅目：叩頭蟲類) 名錄【研究報告】

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Abstract

The checklist of Lycidae beetles of Taiwan, including five subfamilies, 20 genera and 74 species, is provided. Chinese names, synonyms, original references, type localities, type depositories and distributions are included. *Cautires jengi* Kasantsev was selected as the valid name according to the first reviser principle and *C. yengi* is invalid; *Cladophorus certus* Kleine is replaced by *Cautires taiwanensis* Jeng et Yang, nom. nov.

摘要

本名錄提供臺灣 5 亞科 20 屬 74 種紅螢科昆蟲之學名與中文名錄，附異名表、原始文獻出處、模式標本產地、模式標本館藏地與分布資料；*Cautires jengi* Kasantsev 依第一修訂者原則選定為有效名，另一拼法 *C. yengi* 則宣告為無效名；*Cautires taiwanensis* Jeng and Yang 則取代 *Cladophorus certus* Kleine 成為新的有效名。

Key words: Taiwan, Lycidae, checklist, new replacement name.

關鍵詞: 臺灣·紅螢科·名錄·新取代名

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Checklist of Lycidae (Coleoptera: Elateriformia) of Taiwan

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ABSTRACT

The checklist of Lycidae beetles of Taiwan, including five subfamilies, 20 genera and 74 species, is provided. Chinese names, synonyms, original references, type localities, type depositories and distributions are included. *Cautires jengi* Kasantsev was selected as the valid name according to the first reviser principle and *C. yengi* is invalid; *Cladophorus certus* Kleine is replaced by *Cautires taiwanensis* Jeng et Yang, **nom. nov.**

Key words: Taiwan, Lycidae, checklist, new replacement name.

The taxonomy of Lycidae of Taiwan has been extensively studied since the 1920s. Kleine (1926) was first to review the Taiwanese lycid fauna which included 30 species in 19 genera. Miwa (1931) listed 18 genera and 32 species of Lycidae in his catalogue of Taiwanese beetles. Later Kôno (1932) reviewed the Japanese Lycidae in which 30 species in 17 genera were recorded from Taiwan. Kleine (1933), in Junk's *Coleopterorum Catalogus*, listed 28 species in 17 genera from Taiwan. After the World War II, Nakane extensively studied Taiwanese Lycidae in the late 1960s and early 1970s and raised the total species number to over 60. Bocák and Bocáková (1987) mentioned that

there were 67 species in 22 genera recorded from Taiwan. Since then the higher classification of Lycidae has undergone more frequent modifications, and as a consequence, the taxonomy and scientific names of lycids, from family to species groups, have changed considerably during the last two decades. Herein we provide the most updated checklist of Taiwanese Lycidae, and a total of 5 subfamilies, 20 genera and 74 species are recorded.

Material and Methods

In the checklist, Chinese names, original sources, synonyms, type localities, type depositories, and distributions are included. Additional remarks, if necessary, were added to account for

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changes in the scientific names or distributions. The higher classification in the checklist is a modified system based on Bocák and Bocáková (1990), Lawrence and Newton (1995) and Bocáková (2001). Because the tribal and subtribal classifications have changed frequently, we did not use these categories but only subfamilies. The species list is largely based on Pic (1912, 1921, 1922a, b, 1925, 1926, 1937), Kleine (1924, 1925, 1926, 1933), Kôno (1932), Nakane (1967a, b, 1968, 1969a, b, c, 1971, 1973), Bocák and Bocáková (1987, 1992), Matsuda (1992), Kasantsev (1993, 2000), Bocáková (1997), Kasantsev and Yang (1998) and Bocák (1999); type depositories denote the depositories of the name bearing types, and are based on Kleine (1926), Mroczkowski (1959), Nakane (1971, 1973) and Döbler (1982). Type status (syntypes, lectotype or holotype and its sex) is specified whenever possible, otherwise we used "type(s)" to express the unknown status. The citations of the original sources are given for each taxon but are not listed in the references; the abbreviations of journal titles are according to BIOSIS format.

The following acronyms were used to denote the type depositories:

CAS	California Academy of Sciences, San Francisco, CA, U.S.A.
DEI	Deutsches Entomologisches Institut, Müncheberg, Germany
EUJ	Ehime University, Matsuyama, Japan
HUU	Hokkaido University, Sapporo, Japan
IZW	Instytut Zoologii, PAN, Warszawa, Poland
MNHN	Muséum national d'Histoire naturelle, Paris, France
MNHU	Museum für Naturkunde des Humboldt University, Berlin, Germany
NHML	Natural History Museum, London, U.K.
NSMT	National Science Museum,

	Tokyo, Japan
NTU	Dept. Entomology, National Taiwan University, Taipei, Taiwan
OMNH	Osaka Museum of Natural History, Osaka, Japan
OXUM	Hope Department of Entomology, Oxford, U.K.
ZMAS	Zoological Institute, Russian Academy of Sciences, St. Petersburg, Russia

Checklist of Lycidae of Taiwan

LYCINAE 紅螢亞科

Genus *Lycostomus* Motschulsky, 1861
吻紅螢屬

Motschulsky, 1861: Bull. Moscou XXXIV: 136.

Lycostomus atrimembris Pic, 1926 **軟黑吻紅螢**

Lycostomus atrimembris Pic, 1926: L'Échange 42(425): 31 (hors texte).

Lycostomus jeanvoinei Pic, 1927: Mélange exot.-Entomol. 49: 4.

Type locality: VIETNAM: Chyapa.

Type depository: Lectotype in MNHN.

Distribution: Vietnam and Taiwan.

Remarks: Kasantsev (1993)

designated the lectotype for this species and synonymized *L. jeavoninei* Pic with it. This species was recorded from Taiwan by Kasantsev and Yang (1998). Meanwhile these authors indicated that the record of *L. honestus* Bourgeois from Taiwan might be a misidentification of *L. atrimembris* or *L. placidus*.

Lycostomus crassus Kleine, 1926 **長節吻紅螢**

Lycostomus crassus Kleine, 1926: Stett. Entomol. Z. 87: 97.

Type locality: TAIWAN: CHIAI: Dalin (= Taihorin) (嘉義縣大林).

Type depository: Holotype female in MNHU.

Distribution: Taiwan.

Lycostomus formosanus Pic, 1937 蓬萊
吻紅螢

Lycostomus formosanus Pic, 1937:
L'Échange 53 (469): 147.

Type locality: TAIWAN (= Formose).

Type depository: Holotype male in
MNHN.

Distribution: Japan (Yayeyama Is.)
and Taiwan.

Remarks: No specific locality except
"Formose" was provided by Pic (1937).
Nakane (1973) examined the type but did
not give further information of locality.
Satô and Matsuda (1985) recorded this
species from Japan.

Lycostomus placidus Waterhouse, 1879
珠海吻紅螢

Lycostomus placidus Waterhouse, 1879:
Illustrations of Typical Specimens of
Coleoptera in the Collection of the
British Museum I: 7.

Type locality: CHINA: Hong Kong?

Type depository: Holotype in NHML.

Distribution: China and Taiwan.

Remarks: Kasantsev and Yang (1998)
first recorded this species from Taiwan.

Lycostomus similis (Hope, 1831) 相似吻
紅螢

Lycus similis Hope, 1831: in Gary (ed.)
Zool. Misc.: 26.

Lycostomus similis (Hope): Waterhouse,
1879: Illustrations of Typical
Specimens of Coleoptera in the
Collection of the British Museum I:
10.

Lycus triangularis Hope, 1831: in Gray
(ed.) Zool. Misc.: 26.

Lycus suturalis Redtenbacher, 1848:
Hugel's Kaschmir Insecta IV: 508.

Lycus geminus Walker 1858: Ann. Mag.
Nat. Hist. 3(II): 281.

Lycus cinnabarinus Cand., 1861: Mem.
Liege: 355.

Lycus coccineus Motschulsky, 1861: Bull.
Moscou XXXIV: 136.

Lycostomus patruelis Bourgeois, 1883:

Ann. Mus. Civ. Stor. Nat. Genova
XVIII: 626.

Type locality: INDIA.

Type depository: Type(s) in OXUM.

Distribution: Ceylon, India,
Philippines, Taiwan and Thailand.

Remarks: The above synonymy was
listed by Kleine (1933).

Genus *Macrolycus* Waterhouse, 1878
碩紅螢屬

Waterhouse, 1878: Trans. Entomol. Soc.
Lond. 1878: 96.

Macrolycus alishanus Nakane, 1967 高
山碩紅螢

Macrolycus alishanus Nakane, 1967:
Fragm. Coleopterol. 17: 72.

Type locality: TAIWAN: CHIAI:
Alishan (嘉義縣阿里山).

Type depository: Holotype male in
NSMT.

Distribution: Taiwan.

Macrolycus crassicornis Nakane, 1967
粗角碩紅螢

Macrolycus crassicornis Nakane, 1967:
Fragm. Coleopterol. 17: 72.

Type locality: TAIWAN: NANTOU:
Sung-gang (= Sung-kang) (南投縣松崗).

Type depository: Holotype male in
NSMT.

Distribution: Taiwan.

Macrolycus dominator Kleine, 1925 碩
紅螢

Macrolycus dominator Kleine, 1925:
Dtsche. Entomol. Z. 1925: 327.

Type locality: TAIWAN:

KAOHSIUNG: Fengshan (= Hoozan),
Jiashian (= Kosempo); CHIAI: Dalin (=

Taihorin) (高雄縣鳳山、甲仙與嘉義縣大林).

Type depository: Syntypes in
MNHU and IZW (type No. 623 and 624).

Distribution: Japan (Yayeyama Is.)
and Taiwan.
Remarks: Kleine (1925) described
this species based on 14 syntypes. The
Japanese population was another

subspecies named *ishigakianus* Satô and Ohbayashi.

***Macrolycus erythropterus* Nakane, 1967 赤翅碩紅螢**

Macrolycus erythropterus Nakane, 1967: *Fragm. Coleopterol.* 17: 72.

Type locality: TAIWAN: NANTOU: Sung-gang (= Sung-kang) (南投縣松崗).

Type depository: Holotype male in NSMT.

Distribution: Taiwan.

***Macrolycus flabellatus* (Motschulsky, 1860) 扇角碩紅螢**

Lygistorpterus flabellatus Motschulsky, 1860: *Schrenck's Reisen Amurlande II*(2): 114.

Macrolycus flabellatus (Motschulsky): Bourgeois, 1902: *Bull. Mus. Fr.* VIII: 89.

Celetes pectinifer Kiesenwetter, 1874: *Berl. Entomol. Z.* XVIII: 251.

Macrolycus pectinifer (Kiesenwetter): Gorham, 1883: *Trans. Entomol. Soc. Lond.* 1883: 391.

Cerceros pectinicornis Kraatz, 1879: *Dtsche. Entomol. Z.* XXIII: 127.

Type locality: RUSSIA: E. SIBERIA.

Type depository: Type(s) in ZMAS.

Distribution: China, Japan, Korea, Mongolia, Russia and Taiwan.

Remarks: The above synonymy was listed by Nakane (1969c); Klein (1926) recorded the species from Taiwan. Nakane (1971) doubted the distribution of this species in Taiwan but did not give a decisive conclusion. Bocák and Bocáková (1987) reconfirmed the distribution of *M. flabellatus* in Taiwan.

***Macrolycus laetus* Nakane, 1967 深山碩紅螢**

Macrolycus laetus Nakane, 1967: *Fragm. Coleopterol.* 17: 72.

Type locality: TAIWAN: NANTOU: Sung-gang (= Sung-kang) (南投縣松崗).

Type depository: Holotype male in

NSMT.

Distribution: Taiwan.

***Macrolycus taiwanus* Nakane, 1967 臺灣碩紅螢**

Macrolycus taiwanus Nakane, 1967: *Fragm. Coleopterol.* 17: 72.

Type locality: TAIWAN: NANTOU: Sung-gang (= Sung-kang) (南投縣松崗).

Type depository: Holotype male in NSMT.

Distribution: Taiwan.

Remarks: Nakane (1967) speculated that the record of *M. flabellatus* from Taiwan might be a misidentification of *M. taiwanus*.

Genus *Dilophotes* Waterhouse, 1879 細紅螢屬

Waterhouse, 1879: *Illustrations of Typical Specimens of Coleoptera in the Collection of the British Museum I*: 75.

***Dilophotes atricollis* Pic, 1926 黑胸細紅螢**

Dilophotes atricollis Pic, 1926: *Entomol. Mitt.* XV: 68.

Type locality: TAIWAN: KAOHSIUNG: Jiashian (= Kosempo) (高雄縣甲仙)

Type depository: Holotype in DEL.

Distribution: India and Taiwan.

Remarks: Kleine (1933) listed this species in the Indian fauna.

***Ditophotes libnetoides* Nakane, 1971 暗褐細紅螢**

Ditophotes libnetoides Nakane, 1971: *Bull. Nat. Sci. Mus.* 14: 138.

Type locality: TAIWAN: NANTOU: Wujie (= Bukai) (南投縣武界).

Type depository: Holotype female in CAS (type No. 11380).

Distribution: Taiwan.

CALOCHROMINAE 麗紅螢亞科

Genus *Calochromus* Guérin-Ménéville, 1833 麗紅螢屬

Guérin-Ménéville, 1833: Ann. Soc. Entomol. Fr. II: 158.

Calochromus formosanus Nakane, 1969
蓬萊麗紅螢

Calochromus formosanus Nakane, 1969: Bull. Nat. Sci. Mus. Tokyo 12: 13
Type locality: TAIWAN: NANTOU: Sung-gang (= Sung-kang) (南投縣松崗).
Type depository: Holotype male in NSMT.
Distribution: Taiwan.

Calochromus shirozui Nakane, 1969
紅絨麗紅螢

Calochromus shirozui Nakane, 1969: Bull. Nat. Sci. Mus. Tokyo 12: 15.
Type locality: TAIWAN: NANTOU: Sung-gang (= Sung-kang) (南投縣松崗).
Type depository: Holotype male in NSMT.
Distribution: Taiwan.

Calochromus subparallelus Pic, 1925
細身麗紅螢

Calochromus subparallelus Pic, 1925: L'Échange 41(422): 17 (hors texte).
Type locality: TAIWAN (= Formose).
Type depository: Holotype in MNHN.
Distribution: Taiwan.
Remarks: No specific locality except "Formose" was provided by Pic (1925). The specific name of this species was misspelled as *subparalellus* by Bocák and Bocáková (1987).

Calochromus sungkangensis Nakane, 1969
鋸角麗紅螢

Calochromus sungkangensis Nakane, 1969: Bull. Nat. Sci. Mus. Tokyo 12: 12
Type locality: TAIWAN: NANTOU: Sung-gang (= Sung-kang) (南投縣松崗).
Type depository: Holotype male in NSMT.
Distribution: Taiwan.

PLATERODINAE 短溝紅螢亞科

Genus *Libnetis* Waterhouse, 1878
眼紅螢屬

Waterhouse, 1878: Trans. Entomol. Soc. Lond. 1878: 104.

Libnetis leei Kasantsev and Yang, 1998
李氏眼紅螢

Libnetis leei Kasantsev and Yang, 1998: Chinese J. Entomol. 19: 243.
Type locality: TAIWAN: TAICHUNG: Wuling (臺中縣武陵).
Type depository: Holotype male in NTU.
Distribution: Taiwan.

Libnetis opacus Pic, 1921
暗黑眼紅螢

Libnetis opacus Pic, 1921: Mélange exot.-Entomol. 32: 14.
Type locality: TAIWAN (= Formose).
Type depository: Lectotype male in MNHN.
Distribution: Laos, Taiwan and Vietnam.

Remarks: The lectotype male was designated by Kasantsev (1993) who recorded the species from Vietnam. No specific locality except "Formose" was written on the type label by Pic (see Kasantsev, 1993). The paralectotypes were collected from Chishan (= Banshoryo) and Tsuku (高雄縣旗山與祖窟). Bocáková (2000) recorded this species from Laos.

Libnetis sauteri Kasantsev, 1993
梭德眼紅螢

Libnetis sauteri Kasantsev, 1993: Russ. Entomol. J. 2: 72.
Type locality: TAIWAN: KAOHSIUNG: Jiashian (= Kosempo) (高雄縣甲仙).
Type depository: Holotype male in MNHN.
Distribution: Taiwan.

Genus *Dihammatus* Waterhouse, 1879
姬紅螢屬

Waterhouse, 1879: Illustrations of

Typical Specimens of Coleoptera in the Collection of the British Museum I: 29.

Dihammatus atricolor Pic, 1921 黑身姬紅螢

Dihammatus atricolor Pic, 1921: L'Échange 37 (404): 1 (hors texte).
Type locality: TAIWAN (= Formose).
Type depository: Type(s) in MNHN.
Distribution: Taiwan.
Remarks: No specific locality except "Formose" was provided by Pic (1921).

Dihammatus parvus Nakane, 1971 姬紅螢

Dihammatus parvus Nakane, 1971: Bull. Nat. Sci. Mus. Tokyo 14: 151.
Type locality: TAIWAN: TAICHUNG: Bashianshan (= Hassenzan) (臺中縣八仙山).
Type depository: Holotype male in CAS (type No. 11379).
Distribution: Taiwan.

Genus *Plateros* Bourgeois, 1879 短溝紅螢屬

Bourgeois, 1879: Compt. Rend. Soc. Entomol. Bleg. XXII: 11.
Remarks: *Plateros* was synonymized with *Melaneros* by Bocák and Bocáková (1992). Bocáková (2001) reinstated the validity of the genus and synonymized the genus *Ditoneces* and many others with *Plateros*.

Plateros apicicornis (Pic, 1925) 淡端短溝紅螢

Ditoneces apicicornis Pic, 1925: L'Échange 41(422): 19 (hors texte).
Type locality: TAIWAN (= Formose).
Type depository: Holotype male in MNHN.
Distribution: Taiwan.
Remarks: No specific locality except "Formose" was provided by Pic (1925).

Plateros brevelineatus Pic, 1922 灰條短溝紅螢

Plateros brevelineatus Pic, 1922: Ann.

Soc. Linn. Lyon LXIX: 73.

Ditoneces brevelineatus (Pic): Nakane, 1973: Bull. Sci. Mus. Tokyo 16: 10.
Type locality: TAIWAN (= Formose).

Type depository: Holotype female in MNHN.

Distribution: Taiwan.

Remarks: No locality except "Formose" was given in the original description (Pic, 1922). Nakane (1973) examined the holotype but did not list the locality data.

Plateros kanoi (Nakane, 1969) 鹿野短溝紅螢

Ditoneces kanoi Nakane, 1969: Bull. Nat. Sci. Mus. Tokyo 12: 471.

Type locality: TAIWAN: Taushan (= Taoshan) (武陵桃山?)

Type depository: Holotype male in NSMT.

Distribution: Taiwan.

Plateros laeticeps (Pic, 1921) 毛角短溝紅螢

Ditoneces laeticeps Pic, 1921: L'Échange 37(404): 4 (hors texte).

Type locality: TAIWAN (= Formose).

Type depository: Holotype male in MNHN.

Distribution: Taiwan.

Remarks: No specific locality except "Formose" was provided by Pic (1921).

Plateros maculatithorax (Pic, 1921) 紋胸短溝紅螢

Ditoneces maculatithorax Pic, 1921: L'Échange 37(404): 4 (hors texte).

Ditoneces griseostriatus Kleine, 1926: Stett. Entomol. Z. 87: 101.

Type locality: TAIWAN (= Formose).
Type depository: Holotype male in MNHN.

Distribution: Taiwan.

Remarks: No specific locality except "Formose" was provided by Pic (1921). Kleine's *D. griseostriatus*, whose type is in

the IZW, was synonymized by Bocák and Bocáková (1987).

Plateros sauteri (Pic, 1925) 梭德短溝紅螢

Ditoneces maculatithorax var. *sauteri*
Pic, 1925: L'Échange 41(422): 19
(hors texte).

Plateros sauteri (Pic): Bocák and
Bocáková, 1987: Acta Entomol.
Bohemoslov. 84: 277.

Plateros gressitti Nakane, 1971: Bull.
Nat. Sci. Mus. Tokyo 14: 147.

Type locality: TAIWAN: CHIAI:
Dalin (= Taihorin) (嘉義縣大林).

Type depository: Lectotype male in
DEI.

Distribution: Taiwan.

Remarks: Bocák and Bocáková
(1987) raised the variety *sauteri* to species
status, designated the lectotype and
synonymized Nakane's *P. gressitti* with it.

Plateros picianus Nakane, 1971 猩紅
短溝紅螢

Microdetoneces rubripennis Pic, 1921:
L'Échange 37(405): 5 (hors texte).

Plateros (Microdetoneces) rubripennis
(Pic): Kleine, 1926: Stett. Entomol.
Z. 87: 99.

Plateros picianus Nakane, 1971: Bull.
Nat. Sci. Mus. Tokyo 14: 146.

Type locality: TAIWAN (= Formose).

Type depository: Holotype male in
MNHN.

Distribution: Taiwan.

Remarks: No specific locality except
"Formose" was provided by Pic (1921).
The name *Plateros rubripennis* is
preoccupied by an Indian species and
thereby Nakane (1971) replaced it with *P.*
picianus.

Plateros shibatai Nakane, 1961 奄美
短溝紅螢

Plateros shibatai Nakane, 1961: Rev.
Entomol. Jpn. 13: 13.

Type locality: JAPAN:
Amami-Ōshima.

Type depository: Holotype male in
NSMT.

Distribution: Japan (Amami-Ōshima)
and Taiwan.

Remarks: Bocák and Bocáková (1987)
first recorded this species from Taiwan.

Plateros kleineanus Nakane, 1971 克
林短溝紅螢

Dihammatus atricolor Pic, 1921: L'
Échange 37 (404): 1 (hors texte).

Dihammatus atricolor Pic nec Kleine,
1926: Stett. Entomol. Z. 87: 99.

Plateros kleineanus Nakane, 1971: Bull.
Nat. Sci. Mus. Tokyo 14: 150.

Type locality: TAIWAN.

Type depository: Holotype male in
NHML.

Distribution: Taiwan.

Remarks: Pic (1921) described
Dihammatus atricolor from Taiwan, and
later Kleine (1926) redescribed it.
Nakane (1971) indicated that Kleine's
and Pic's *atricolor* were not the same
and the former belonged to *Plateros*.
However, *P. atricolor* was preoccupied
by a South American species and
Nakane replaced Kleine's *D. atricolor*
with *P. kleineanus*.

Plateros coccinipennis Nakane, 1971 赤
翅短溝紅螢

Plateros coccinipennis Nakane, 1971: Bull.
Nat. Sci. Mus. Tokyo 14: 142.

Type locality: TAIWAN: NANTOU:
Tsueifeng (= Oiwaki) (南投縣翠峰).

Type depository: Holotype male in
NSMT (type No. I-C 38313).

Distribution: Taiwan.

Plateros brevenotatus Pic, 1921 短胸短
溝紅螢

Plateros brevenotatus Pic, 1921:
L'Échange 37(405): 6 (hors texte).

Type locality: TAIWAN (= Formose).

Type depository: Type(s) in MNHN.

Distribution: Taiwan.

Remarks: No specific locality except
"Formose" was provided by Pic (1921).

Plateros alishanus Nakane, 1969 高山短溝紅螢

Plateros alishanus Nakane, 1969: Bull. Nat. Sci. Mus. Tokyo 12: 473.

Type locality: TAIWAN: CHIAI: Alishan (嘉義縣阿里山).

Type depository: Holotype male in NSMT.

Distribution: Taiwan.

Plateros chinensis Waterhouse, 1879 中華短溝紅螢

Plateros chinensis Waterhouse, 1879: Illustrations of Typical Specimens of Coleoptera in the Collection of the British Museum I: 7.

Melaneros chinensis (Waterhouse): Bocák and Bocáková, 1997: Acta Soc. Zool. Bohemoslov. 61: 177.

Plateros sycophanta Fairmaire, 1888: Ann. Entomol. Soc. Fr. (6)VIII: 352.

Ditoneces formosanus Pic, 1921: L'Échange 37(405): 7 (hors texte).

Plateros flavomarginatus Kleine, 1936: Lingnan Sci. J. Canton (= Guangdong) 15: 264.

Type locality: CHINA: Hong Kong.
Type depository: Holotype male in NHML.

Distribution: China, Vietnam, Thailand and Taiwan.

Remarks: The above synonymy was listed by Bocáková (1997). The syntypes of *Plateros formosanus* are in DEI.

Plateros purus Kleine, 1926 樸素短溝紅螢

Plateros purus Kleine, 1926: Stett. Entomol. Z. 87: 99.

Melaneros purus (Kleine): Kasantsev and Yang, 1998: Chinese J. Entomol. 19: 243.

Plateros koreanus Kleine, 1936: Lingnan Sci. J. Canton (= Guangdong) 15: 263.

Type locality: TAIWAN: KAOHSIUNG: Fengshan (= Hoozan) (高雄縣鳳山).

Type depository: Holotype male in IZW (type No. 837).

Distribution: China, Japan, Korea and Taiwan.

Remarks: *Plateros koreanus* Kleine was recorded from Taiwan by Nakane (1971) but synonymized with *P. purus* Kleine by Kasantsev and Yang (1998).

Plateros planatus obconiceps Pic, 1925 缺刻短溝紅螢

Plateros planatus Waterhouse, 1879: Illustrations of Typical Specimens of Coleoptera in the Collection of the British Museum I: 27 (from Thailand = Siam).

Melaneros planatus (Waterhouse): Bocáková, 1997: Acta Soc. Zool. Bohemoslov. 61: 178.

Ditoneces inciscollis Pic, 1921: L'Échange 37(405): 5 (hors texte) (from China).

Ditoneces inciscollis obconiceps Pic, 1925: L'Échange 41(422): 19.

Type locality: TAIWAN: CHIAI: Dalin (= Taihorin) (嘉義縣大林).

Type depository: Holotype female in DEI.

Distribution: Taiwan.

Remarks: Pic (1925) described *obconiceps* from Taiwan as a subspecies of *Ditoneces inciscollis* Pic which was later synonymized with *Plateros planatus* Waterhouse by Bocáková (1997). But Bocáková did not treat the subspecies. The type of the subspecies *obconiceps* was examined by Nakane (1973), but no further information was provided. Herein we just list it as a subspecies of *P. planatus* and further study is needed to determine its identity.

Plateros leechi Nakane, 1971 利曲短溝紅螢

Plateros leechi Nakane, 1971: Bull. Nat. Sci. Mus. Tokyo 14: 145.

Type locality: TAIWAN: NANTOU: Sung-gang (= Sung-kang) (南投縣松崗).

Type depository: Holotype male in

NSMT.

Distribution: Taiwan.

Plateros viduus Nakane, 1971 黃邊短溝紅螢

Plateros viduus Nakane, 1971: Bull. Nat. Sci. Mus. Tokyo 14: 149.

Type locality: TAIWAN: NANTOU: Wujie (= Bukai) (南投縣武界).

Type depository: Holotype female in CAS (type No. 11383).

Distribution: Taiwan.

Genus *Lyponia* Waterhouse, 1878 窄胸紅螢屬

Waterhouse, 1878, Trans. Entomol. Soc. Lond. 1878: 99.

Lyponia (Ponyalis) dolosa Kleine, 1924 長角窄胸紅螢

Lyponia dolosa Kleine, 1924: Entomol. Bl. 20: 173.

Lyponia (Ponyalis) dolosa Kleine: Bocák, 1999: Entomol. Basil. 21: 91.

Type locality: TAIWAN: KAOHSIUNG: Fengshan (= Hoozan); CHIAI: Dalin (= Taihorin), (高雄縣鳳山與嘉義縣大林).

Type depository: Syntypes in MNHU and IZW (type No. 612 and 613).

Distribution: Taiwan and Sikkim (doubtful record).

Remarks: Kleine (1924) described this species based on 29 syntypes. Bocák (1999) redescribed this species and placed it in the *dolosa* group under the subgenus *Ponyalis*.

Lyponia (Ponyalis) gestroi (Pic, 1912) 卡氏窄胸紅螢

Ponyalis gestroi Pic, 1912: Mélange exot.-Entomol. 3: 2.

Lyponia gestroi (Pic): Nakane, 1973: Bull. Nat. Sci. Mus. Tokyo 16: 9.

Lyponia (Ponyalis) gestroi (Pic): Bocák, 1999: Entomol. Basil. 21: 97.

Lyponia formosana Kleine, 1924: Entomol. Bl. 20: 174.

Type locality: TAIWAN (= Formose).

Type depository: Holotype male in MNHN.

Distribution: Japan (Yayeyama Is.) and Taiwan.

Remarks: No specific locality except "Formose" was provided by Pic (1912). Kleine's *Lyponia formosana*, whose syntypes are in MNHN and IZW, was synonymized with *L. gestroi* by Nakane (1973). Bocák (1999) redescribed *Lyponia gestroi*, placed it in the *dolosa* group of the subgenus *Ponyalis*, and was first recorded it from Japan.

Lyponia (Lyponia) kleinei Nakane, 1967 黑胸窄胸紅螢

Lyponia kleinei Nakane, 1967: Bull. Nat. Sci. Mus. Tokyo 10: 286.

Lyponia (Lyponia) kleinei Nakane: Bocák, 1999: Entomol. Basil. 21: 85.

Lyponia delicatula (Kiesenwetter): Nakane, 1967: Bull. Nat. Sci. Mus. Tokyo 10: 286 (misidentification).

Type locality: TAIWAN: PINGTUNG: Kantou (屏東縣崁頭).

Type depository: Holotype male in NSMT.

Distribution: Taiwan.

Remarks: Kleine (1924) recorded *L. delicatula* Kiesenwetter from Taiwan. Nakane (1973) indicated that Kleine's *L. delicatula* is not identical with Kiesenwetter's and may be conspecific to *L. kleinei*. Bocák (1999) classified the species in the *kleinei* group under the nominotypical subgenus of *Lyponia*.

Lyponia (Lyponia) palpalis Nakane, 1971 邊褐窄胸紅螢

Lyponia palpalis Nakane, 1971: Bull. Nat. Sci. Mus. Tokyo 14: 140.

Lyponia (Lyponia) palpalis Nakane: Bocák, 1999: Entomol. Basil. 21: 84.

Type locality: TAIWAN: NANTOU: Wushe (= Musha) (南投縣霧社).

Type depository: Holotype male in CAS (type No. 11381).

Distribution: Taiwan.

Remarks: Bocák (1999) classified the species in the *dolosa* group of the nominotypical subgenus of *Lyponia*.

EROTINAE 網紅螢亞科

Genus *Eropterus* Green, 1951 斜條紅螢屬

Green, 1951: Trans. Am. Entomol. Soc. 78: 14.

Eropterus aritai (Satô and Ohbayashi, 1968) 八重山斜條紅螢

Aplatopterus aritai Satô and Ohbayashi, 1968: Entomol. Rev. Jpn. 20: 66.

Asioplateros aritai (Satô and Ohbayashi): Nakane, 1969: Bull. Nat. Sci. Mus. Tokyo 12: 10.

Eropterus aritai (Satô and Ohbayashi): Nakane 1968: Fauna Japonica: Lycidae: 104.

Type locality: JAPAN: Ishigaki Is.

Type depository: Holotype female in EUJ.

Distribution: Japan (Yayeyama Is.) and Taiwan.

Remarks: Bocák and Bocáková (1987) recorded this species from Taiwan. However Matsuda (1992) indicated that the record was questionable and what Bocák and Bocáková examined might be *Eropterus taiwanus* Matsuda.

Eropterus flavipennis (Nakane, 1969) 黃翅斜條紅螢

Asioplateros flavipennis Nakane, 1969: Bull. Nat. Sci. Mus. Tokyo 12: 9.

Eropterus flavipennis (Nakane): Nakane, 1968: Fauna Japonica: Lycidae: 99.

Type locality: TAIWAN: CHIAI: Alishan (嘉義縣阿里山).

Type depository: Holotype male in NSMT.

Distribution: Taiwan.

Eropterus ohkurai Matsuda, 1992 黃肩斜條紅螢

Eropterus ohkurai Matsuda, 1992: Entomol. Rev. Jpn. 47: 94.

Type locality: TAIWAN:

KAOHSIUNG: Shrshan, Tengjr (= Tengchih) (高雄縣藤枝石山).

Type depository: Holotype female in OMNH.

Distribution: Taiwan.

Eropterus taiwanus Matsuda, 1992 臺灣斜條紅螢

Eropterus taiwanus Matsuda, 1992: Entomol. Rev. Jpn. 47: 92.

Type locality: TAIWAN: NANTOU: Meifeng (南投縣梅峰).

Type depository: Holotype male in OMNH.

Distribution: Taiwan.

Genus *Benibotarus* Kôno, 1932 棘紅螢屬

Kôno, 1932: Insecta Matsumurana 7: 56 (subgenus of *Dictyopterus*)

Benibotarsus sanguinipennis Nakane and Ohbayashi, 1958 赤翅棘紅螢

Benibotarsus sanguinipennis Nakane and Ohbayashi, 1958: Akitu 7: 80.

Type locality: JAPAN.

Type depository: Holotype male in NSMT.

Distribution: Japan and Taiwan.

Remarks: Nakane (1971) first recorded this species from Taiwan.

Benibotarus shirozui Nakane, 1968 紅絨棘紅螢

Benibotarus shirozui Nakane, 1968: Bull. Nat. Sci. Mus. Tokyo 11: 218.

Type locality: TAIWAN: MIAOLI: between Beikeng and Shangdau Spa (= between Hokuko and Kaminoshima-Onsen) (苗栗縣北坑與上島溫泉間).

Type depository: Holotype female in NSMT.

Distribution: Taiwan.

Benibotarus spinicoxis (Kiesenwetter, 1874) 棘紅螢

Eros spinicoxis Kiesenwetter, 1874: Berl. Entomol. Z. 18: 254.

Dictyopterus spinicoxis (Kiesenwetter):
Schonfeldt, 1887: Cat. Coleopt. Jpn.:
121.

Dictyoptera spinicoxis (Kiesenwetter):
Jacobson, 1911: Kräfer Russl. 9: 666.

Dictyopterus (Benibotarus) spinicoxis
(Kiesenwetter): Kôno, 1932: Insecta
Matsumurana 7: 56.

Benibotarus spinicoxis (Kiesenwetter):
Kleine, 1942: Best.-Tab. Eur. Col.
123, Lycidae: 40.

Type locality: JAPAN.

Type depository: Type(s) in NHML.

Distribution: Japan and Taiwan.

Remarks: This species was first
recorded from Taiwan by Bocák and
Bocáková (1987).

Genus *Dictyoptera* Latreille, 1829 脈紅
螢屬

Latreille, 1829: in Cuvier (ed.) Régen
Animal, edition II, Tome 4: 465.

Dictyoptera formosana Nakane, 1968 紅
楯脈紅螢

Dictyoptera formosana Nakane, 1968:
Bull. Nat. Sci. Mus. Tokyo 11: 217.

Type locality: TAIWAN: CHIAI:
Alishan (嘉義縣阿里山).

Type depository: Holotype male in
NSMT.

Distribution: Taiwan.

Dictyoptera gorhami Kôno, 1932 褐楯脈
紅螢

Eros erythropterus Gorham, 1883: Trans.
Entomol. Soc. Lond. 1883: 400.

Dictyopterus erythropterus Schonfeldt,
1887: Cat. Coleopt. Jpn.: 121.

Dictyopterus gorhami Kôno, 1932: Insecta
Matsumurana VII: 57.

Dictyoptera gorhami Kôno: Nakane, 1969:
Fauna Japonica: Lycidae: 131.

Type locality: JAPAN: Oyayama.

Type depository: Type(s) in NHML.

Distribution: Japan and Taiwan.

Remarks: Gorham's *Eros*
erythropterus was preoccupied by a
Russian species, and thereby Kôno (1932)

replaced it by *gorhami* in combination
with *Dictyopterus*. Bocák and Bocáková
(1987) first recorded this species from
Taiwan.

Genus *Platycis* Thomson, 1863 絲角紅
螢屬

Thomson, 1863: Skand. Coleopt. VI: 162.

Platycis kanoi Nakane, 1967 鹿野絲角紅
螢

Platycis kanoi Nakane, 1967: Bull. Nat.
Sci. Mus. Tokyo 10: 285.

Type locality: TAIWAN: NANTOU:
Hewang (= Habon) (南投縣合望).

Type depository: Holotype in NSMT.
Distribution: Taiwan.

Platycis taiwanus Kôno, 1932 臺灣絲角
紅螢

Platycis nasutus taiwana Kôno, 1932:
Insecta Matsumurana VII: 59

Platycis taiwana Kôno: Nakane, 1969:
Bull. Nat. Sci. Mus. Tokyo 10: 286.

Type locality: TAIWAN: CHIAI:
Alishan (= Arisan) (嘉義縣阿里山).

Type depository: Holotype male in
HUJ.

Distribution: Taiwan.

Remarks: The specific name is in a
mandatory change to agree with the
generic gender.

Genus *Parapyropterus* Kleine, 1926 焰
紅螢屬

Kleine, 1926: Stett. Entomol. Z. 87: 104.

Parapyropterus nigrostriatus Kleine,
1926 條黑焰紅螢

Parapyropterus nigrostriatus Kleine, 1926:
Stett. Entomol. Z. 87: 104.

Type locality: TAIWAN:
KAOHSIUNG: Fengshan (= Hoozan) (高雄
縣鳳山).

Type depository: Lectotype male in
MNHU.

Distribution: Taiwan.

Remarks: The lectotype was
designated by Bocák and Bocáková

(1987).

Genus *Propyropterus* Nakane, 1968 裂紅螢屬

Nakane, 1968: Bull. Nat. Sci. Mus. Tokyo 11: 219.

Propyropterus pygidialis Nakane, 1968 彎腹裂紅螢

Propyropterus pygidialis Nakane, 1968: Bull. Nat. Sci. Mus. Tokyo 11: 219.

Type locality: TAIWAN: KAOHSIUNG: Lingya (= Hinode) (高雄市苓雅).

Type depository: Holotype male in NSMT.

Distribution: Taiwan.

Propyropterus kanoi Nakane, 1968 鹿野裂紅螢

Propyropterus kanoi Nakane, 1968: Bull. Nat. Sci. Mus. Tokyo 11: 222.

Type locality: TAIWAN: CHIAI: Alishan (嘉義縣阿里山).

Type depository: Holotype male in NSMT.

Distribution: Taiwan.

METRIORRHYNCHINAE 長吻紅螢亞科

Genus *Xylobanus* Waterhouse, 1879 木紅螢屬

Waterhouse, 1879: Illustrations of Typical Specimens of Coleoptera in the Collection of the British Museum I: 38.

Xylobanus leechi Nakane, 1971 利曲木紅螢

Xylobanus leechi Nakane, 1971: Bull. Nat. Sci. Mus. Tokyo 14: 153

Type locality: TAIWAN: CHIAI: Alishan (嘉義縣阿里山).

Type depository: Holotype male in CAS (type No. 11384).

Distribution: Taiwan.

Xylobanus nigrimembris Pic, 1922 軟黑木紅螢

Xylobanus nigrimembris Pic, 1922: L'Échange 38(407): 16 (hors texte).

Type locality: TAIWAN: CHIAI: Dalin (= Taihorin) (嘉義縣大林).

Type depository: Syntypes in MNHN and DEI.

Distribution: Taiwan.

Genus *Cautires* Waterhouse, 1879 奇胸紅螢屬

Waterhouse, 1879: Illustrations of Typical Specimens of Coleoptera in the Collection of the British Museum I: 36.

Cautires bulenoides Kasantsev, 2000 粗脈奇胸紅螢

Cautires bulenoides Kasantsev, 2000: Misc. Zool. 23: 81.

Type locality: TAIWAN: TAOYUAN: Lalashan (桃園縣拉拉山).

Type depository: Holotype male in NTU.

Distribution: Taiwan.

Cautires chui Kasantsev and Yang, 1998 朱氏奇胸紅螢

Cautires chui Kasantsev and Yang, 1998: Chinese J. Entomol. 19: 240.

Type locality: TAIWAN: NANTOU: Dungpu (= Dongpu) (南投縣東埔).

Type depository: Holotype male in NTU.

Distribution: Taiwan.

Cautires diversicollis (Pic, 1925) 黑胸奇胸紅螢

Cladophorus fainanensis var. *diversicollis* Pic, 1925: L'Échange 41(419): 8.

Cautires diversicollis (Pic): Nakane, 1973: Bull. Nat. Sci. Mus. Tokyo 16: 14

Cladophorus fainanensis var. *inlimbatus* Pic, 1925: L'Échange 41(422): 18.

Type locality: TAIWAN (= Formose).

Type depository: Holotype in MNHN.

Distribution: Taiwan.

Remarks: No specific locality was mentioned by Pic (1925) for *C.*

fainanensis var. *diversicollis*. The variety *inlimbatus* Pic, whose type is in the MNHN, was synonymized by Nakane (1973).

Cautires fainanensis (Pic, 1925) 長枝奇胸紅螢

Cladophorus fainanensis Pic, 1925: L'Échange 41(419): 8 (hors texte).

Cautires fainanensis (Pic): Kleine 1926: Stett. Entomol. Z. 87: 102.

Cladophorus singularicollis Pic, 1925: L'Échange 41(422): 18.

Type locality: TAIWAN: TAINAN (臺南).

Type depository: Holotype male in MNHN.

Distribution: Taiwan.

Remarks: The specific name was derived from Tainan but misspelled as fainan. *Cladophorus singularicollis* Pic, whose type female is also in the MNHN, was synonymized by Nakane (1973).

Cautires hsui Kasantsev and Yang, 1998 許氏奇胸紅螢

Cautires hsui Kasantsev and Yang, 1998: Chinese J. Entomol. 19: 240.

Type locality: TAIWAN: HSINCHU: Wufeng (新竹縣五峰).

Type depository: Holotype male in NTU.

Distribution: Taiwan.

Cautires ilanensis Kasantsev and Yang, 1998 宜蘭奇胸紅螢

Cautires ilanensis Kasantsev and Yang, 1998: Chinese J. Entomol. 19: 242.

Type locality: TAIWAN: ILAN: Taipingshan (宜蘭縣太平山).

Type depository: Holotype male in NTU.

Distribution: Taiwan.

Cautires jengi Kasantsev, 2000 橙紅奇胸紅螢

Cautires jengi Kasantsev, 2000: Misc. Zool. 23: 82.

Cautires yengi Kasantsev, 2000: Misc.

Zool. 23: 82.

Type locality: TAIWAN: TAITUNG: Wulu Logging Track (臺東縣霧鹿林道).

Type depository: Holotype male in NTU.

Distribution: Taiwan.

Remarks: The spellings *yengi* and *jengi* were simultaneously present in Kasantsev (2000, p.79, 82, 83) in which each spelling was used two or three times. Meanwhile Kasantsev (2000, p. 82) stated that the name is dedicated to the collector, M. L. Jeng. As the first reviser(s) in the meaning of ICZN (1999, 4th edition, Art. 24.2.3), we chose *jengi* as the valid name.

Cautires katoi Nakane, 1969 加藤奇胸紅螢

Cautires katoi Nakane, 1969: Bull. Nat. Sci. Mus. Tokyo 12: 11.

Type locality: TAIWAN: KAOHSIUNG: Shanping (= Shangpin) (高雄縣扇平).

Type depository: Holotype female in NSMT.

Distribution: Taiwan.

Cautires klapperichi Bocak and Bocakova, 1987 暗紅奇胸紅螢

Cautires klapperichi Bocák and Bocáková, 1987: Acta Entomol. Bohemoslov. 84: 284.

Type locality: TAIWAN: CHIAI: Fenchihu (嘉義縣奮起湖).

Type depository: Holotype male in J. Klapperich's collection (Bonn, Germany).

Distribution: Taiwan.

Cautires taiwanensis Jeng and Yang, nom. nov. 臺灣奇胸紅螢

Cladophorus certus Kleine, 1926: Stett. Entomol. Z. 87: 103.

Cautires certus (Kleine): Bocák and Bocáková 1987: Acta Entomol. Bohemoslov. 84: 283.

Type locality: TAIWAN: CHIAI: Dalin (= Taihorin) (嘉義縣大林).

Type depository: Holotype male in

IZW (type No. 252).

Distribution: Taiwan.

Remarks: The species *C. certus* was first described as a species of *Cladophorus*. It was transferred to *Cautires* in Bocák and Bocáková (1987) in which, curiously, these authors neither explained the transfer nor used any related expression to justify the new combination. Because the name *Cautires certus* is preoccupied by an African species, herein we give the species a new name: *Cautires taiwanensis* Jeng and Yang, nom. nov.

Genus *Procautires* Kleine, 1925 肩條紅螢屬

Kleine, 1925: Treubua VII: 32.

Procautires socius Kleine, 1926 肩條紅螢

Procautires socius Kleine, 1926: Stett. Entomol. Z. 87: 104.

Type locality: TAIWAN: KAOHSIUNG: Fengshan (= Hoozan) (高雄縣鳳山).

Type depository: Holotype male in IZW (type No. 868).

Distribution: Taiwan.

Genus *Metanoeus* Waterhouse, 1879 微網紅螢屬

Waterhouse, 1879: Illustrations of Typical Specimens of Coleoptera in the Collection of the British Museum I: 73.

Metanoeus formosanus Pic, 1926 蓬萊微網紅螢

Metaneus [sic!] *formosanus* Pic, 1926: Entomol. Mitt. XV: 67.

Metanoeus formosanus Pic: Bocák and Bocáková, 1987: Acta Entomol. Bohemoslov. 84: 282.

Type locality: TAIWAN: CHIAI: Dalin (= Taihorin) (嘉義縣大林).

Type depository: Holotype male in DEI.

Distribution: Taiwan.

Genus *Bulenides* Waterhouse, 1879 三格紅螢屬

Waterhouse, 1879: Illustrations of Typical Specimens of Coleoptera in the Collection of the British Museum I: 34.

Bulenides purpureus Pic, 1922 猩紅三格紅螢

Bulenides purpureus Pic, 1922: Ann. Soc. Linn. Lyon LXIX: 74.

Type locality: TAIWAN: TAINAN (臺南).

Type depository: Holotype in MNHN.

Distribution: India, Myanmar (Burma) and Taiwan.

Remarks: No specific locality except "Formose" was given in the original description (Pic, 1922). Nakane (1973) examined the holotype and specified that Tainan is the type locality. The distribution was listed by Kleine (1933).

Genus *Conderis* Waterhouse, 1879 紋紅螢屬

Waterhouse, 1879: Illustrations of Typical Specimens of Coleoptera in the Collection of the British Museum I: 59.

Conderis shirozui Nakane, 1968 紋紅螢

Conderis shirozui Nakane, 1968: Bull. Nat. Sci. Mus. Tokyo 11: 222.

Type locality: TAIWAN: NANTOU: Sung-gang (= Sung-kang) (南投縣松崗)

Type depository: Holotype in NSMT.

Distribution: Taiwan.

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摘 要

本名錄提供臺灣 5 亞科 20 屬 74 種紅螢科昆蟲之學名與中文名錄，附異名表、原始文獻出處、模式標本產地、模式標本館藏地與分布資料；*Cautires jengi* Kasantsev 依第一修訂者原則選定為有效名，另一拼法 *C. yengi* 則宣告為無效名；*Cautires taiwanensis* Jeng and Yang 則取代 *Cladophorus certus* Kleine 成為新的有效名。

關鍵詞：臺灣，紅螢科，名錄，新取代名。