

Three species of Tiger Beetles (Carabidae, Cicindelinae) new to the Hong Kong Fauna

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ABSTRACT

An updated checklist of Tiger Beetle species recorded in Hong Kong is given, and illustrations and notes given for the three additional species.

Key words: Tiger beetles, new record, Hong Kong

INTRODUCTION

In the catalogue of Hong Kong Carabidae (Aston, 2016) I listed 28 species of Cicindelinae. Since the publication three additional species: *Calomera littoralis peipingensis* (Mandl, 1934), *Lophyra (Lophyra) fuliginosa* (Dejean, 1826) and *Neocollyris (Neocollyris) moesta moesta* (Schmidt-Goebel, 1846) have been identified, bringing the total number of recorded species to 31.

MATERIALS & METHODS

For general methodology see Aston (2016).

RESULTS & DISCUSSION

Calomera littoralis peipingensis (Mandl, 1934) (Fig. 1)

The occurrence of this distinctive north Asian subspecies in Hong Kong is adventitious (Jürgen Wiesner pers. com.). The fact that it was found in peak bird migration time in September should invoke at least the thought that it may have somehow been bird assisted, but it could just as easily have been assisted by ship, storm or humans. The species has a massive range from North Africa to Siberia, though *C. l. peipingensis* (Mandl, 1934) is known so far from Russia (E Siberia), China (Beijing, Gansu, Guizhou, Hebei, Henan, Liaoning, Nei Mongol, Shanxi, Tianjin, Xinjiang) and Mongolia (Jürgen Wiesner pers. com.). Material: 1 ex. Hong Kong, Lantau, Wang Tong, 6.IX.2018 to light trap, Leg: Paul Aston. Identification: distinctive, see Figure 1.

Lophyra (Lophyra) fuliginosa (Dejean, 1826) (Fig. 2)

It is no surprise this species, recorded from neighboring Guangdong province has been recorded in Hong Kong. Puchkov and Matalin (2003) give its Chinese distribution as Guangdong province and Shanghai. Material: 1 ex. Hong Kong, Sai Kung, Ham Tin, 14.VI.2008, Leg: Yiu Vor. Identification: distinctive, see Figure 2. The key given in Wiesner (2017) covers all species of *Lophyra* recorded in Hong Kong.

Neocollyris (Neocollyris) moesta moesta (Schmidt-Goebel, 1846)

(Fig. 3)

This is another species that has been expected in Hong Kong as it has been previously recorded in from neighboring Guangdong province. Wiesner (2017) gives its distribution in China as: Guangdong, Sichuan, Yunnan. Material: 1 ex. Hong Kong, Hang Kung Wo, Malaise trap, 31.III.-14.IV.2018, Leg: C. Barthelemy; 1 ex. Hong Kong, Lam Tsuen valley, 26.V.2012, Leg: Paul Aston; 1 ex. Hong Kong, Wu Kau Tang, 29.V.2012, Leg: Paul Aston; 1 ex. Hong Kong, Pak Sha O, Malaise Trap, 28.V.-11.VI.2016, Leg: C. Barthelemy; 2 ex. Hong Kong, Hang Kung Wo, Malaise Trap, 26.V.-7.VII.2018, Leg: C. Barthelemy. Identification: Illustrated in Figure 3. For a key to the identification of all Hong Kong species of *Collyrina*, except *Protocollyris ngaungakshani* Wiesner, 2012, see Wiesner (2017). *P. ngaungakshani* is much smaller (<10mm long) than the other *Collyrina* recorded in Hong Kong, it also differs in having dark femora.

Updated checklist of Hong Kong Cicindelidae

Note included in the checklist are two subspecies of *Cylindera kaleea*, and three subspecies of *Lophyra striolata*. * Taxa not recently recorded.

Abroscelis anchoralis anchoralis (Chevrolat, 1845)
Abroscelis psammodroma psammodroma (Chevrolat, 1845)
Callyton andersoni (Gestro, 1889)
Callytron inspeculare inspeculare (Horn, 1904)*
Callytron nivinctum (Chevrolat, 1845)
Calochroa flavomaculata (Hope, 1831)*
Calochroa interruptofasciata interruptofasciata (Schmidt-Göebel, 1846)
Calomera littoralis peipingensis (Mandl, 1934)
Cephalota (Taenidia) chiloleuca (Fischer von Waldheim, 1820)*
Cicindela (Sophiodela) chinensis chinensis De Geer, 1774
Cosmodela juxtata Acciavatti & Pearson, 1989
Cosmodela virgula (Fleutiaux, 1893)*
Cylindera (Ifasina) decolorata (Horn, 1907)
Cylindera (Ifasina) fallaciosus (Horn, 1897)
Cylindera (Ifasina) kaleea cathaica (Bates, 1874)
Cylindera (Ifasina) kaleea kaleea (Bates, 1866)*
Cylindera (Ifasina) psilica psilica (Bates, 1866)
Lophyra (Lophyra) cancellata candei (Chevrolat, 1845)
Lophyra (Lophyra) fuliginosa (Dejean, 1826)
Lophyra (Spilodia) striolata dorsolineolata (Chevrolat, 1845)
Lophyra (Spilodia) striolata taliensis (Fairmaire, 1886)*
Lophyra (Spilodia) striolata striolata (Illiger, 1800)*

Myriochila (Myriochila) specularis specularis (Chaudoir, 1865)
Myriochila (Myriochile) sinica (Fleutiaux, 1889)*
Heptodonta posticalis (White, 1844)
Probstia astoni Wiesner, 2010.
Neocollyris (Isocollyris) grandisubtilis (Horn, 1935)*
Neocollyris (Neocollyris) moesta moesta (Schmidt-Goebel, 1846)
Neocollyris (Neocollyris) bonnelli bonnelli (Guerin-Meneville, 1834)
Neocollyris (Orthocollyris) crassicornis (Dejean, 1825)
Protocollyris ngaungakshani Wiesner, 2012
Tricondyla pulchripes White, 1844
Tricondyla stricticeps Chaudoir, 1864*

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FIGURES



Figure 1. *Calomera littoralis peipingensis* (Mandl, 1934) (Photo by author).



Figure 2. *Lophyra (Lophyra) fuliginosa* (Dejean, 1826) (Photo by author).



Figure 3. *Neocollyris (Neocollyris) moesta moesta* (Schmidt-Goebel, 1846) (Photo by author).