

Identification and notes on Hong Kong Carabidae 2.

The sub-tribe *Pentagonicina* Bates, 1873 (*Lebiinae* Bonelli, 1810, *Odacanthini* Laporte de Castelnau, 1834)

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ABSTRACT

A key to all, and illustrations of most species of *Pentagonicina* Bates, 1873 recorded from Hong Kong is given. Also included are notes on worldwide and local distribution and a bar chart showing the flight periods of adults.

Key words: Ground Beetles, Carabidae, Hong Kong

INTRODUCTION

The *Pentagonicina* Bates, 1873 are a distinctive group of ground beetles, historically treated as a subfamily, but here as a sub-tribe as in Lorenz (2005). In the catalogue of Hong Kong Carabidae (Aston, 2016) I listed five species of *Pentagonica*, here a sixth species *Pentagonica proxima* Baehr, 2011 is included.

METHODS

For general methodology see Aston (2016). Species of *Pentagonica*, probably due to their arboreal habits, are scarce and difficult to collect. All Hong Kong specimens to date were caught by netting or lured by light traps.

RESULTS & DISCUSSION

Surprisingly this sub-tribe is represented in Hong Kong by six species of the genus *Pentagonica*. As far as is known all Hong Kong species as arboreal, though some species are only known from light traps. Distribution notes below come from Baehr (2011).

Pentagonica suturalis Schaum, 1863

Pentagonica suturalis Schaum, 1863 was described from a Hong Kong specimen, but has recently been discovered to range from Taiwan to Malaysia. Locally all modern records come from light trapping in western Lantau, though the original type specimen will have originated from Hong Kong Island.

Pentagonica pallipes (Nietner, 1856)

Pentagonica pallipes (Nietner, 1856) has a massive distribution from India to Japan and Australia, again all local records come from light traps in western Lantau.

Pentagonica erichsoni Schmidt-Gobel, 1846

Pentagonica erichsoni Schmidt-Gobel, 1846 also has a large range from India to southern China and Australia. In Hong Kong collected from Ng Tung Chai and Tai Mo

Shan.

Pentagonica nitidicollis Baehr, 2011

Pentagonica nitidicollis Baehr, 2011, has a distribution from northern India to Vietnam and southern China. In Hong Kong collected from Ng Tung Chai and Ping Shan Chai.

Pentagonica ruficollis Schmidt-Gobel, 1846

Pentagonica ruficollis Schmidt-Gobel, 1846, is distributed from India to Indonesia. Locally all modern records come from Ng Tung Chai, though in the British Museum of Natural History there is an old specimen collected on Cheng Chau on 4 June 1939, leg J. L. Gressitt.

Pentagonica proxima Baehr, 2011

Pentagonica proxima Baehr, 2011, Described from northern Thailand, north-east India and a specimen from Hong Kong. The Hong Kong specimen came from the Schaum collection and lacks antennae and collection information.

Key to Hong Kong species

1. Pronotum orange **2**
- Pronotum black **4**
2. Elytra suture orange along entire length (visible in dry specimen) .. *P. suturalis* Schaum, 1863 (Fig. 3)
- Elytra suture black **3**
3. Elytral stria distinctly punctate
..... *P. pallipes* (Nietner, 1856) (Fig. 1)
- Elytral stria not punctate
..... *P. ruficollis* Schmidt-Gobel, 1846 (Fig. 2)
4. Pronotum shiny without microsculpture, distinctly contrasting with microsculpture on head. Antennae yellow. Elytral stria distinctly punctate *P. nitidicollis* Baehr, 2011 (Fig. 5)
- Pronotum with microsculpture, not shiny **5**
5. Antennae dark, antennaemeres 3-4 paler brown *P. erichsoni* Baehr, 2011 (Fig. 4)
- Antennae yellow except for antennomere 1
..... *P. proxima* Baehr, 2011

ACKNOWLEDGMENTS

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TABLE & FIGURES

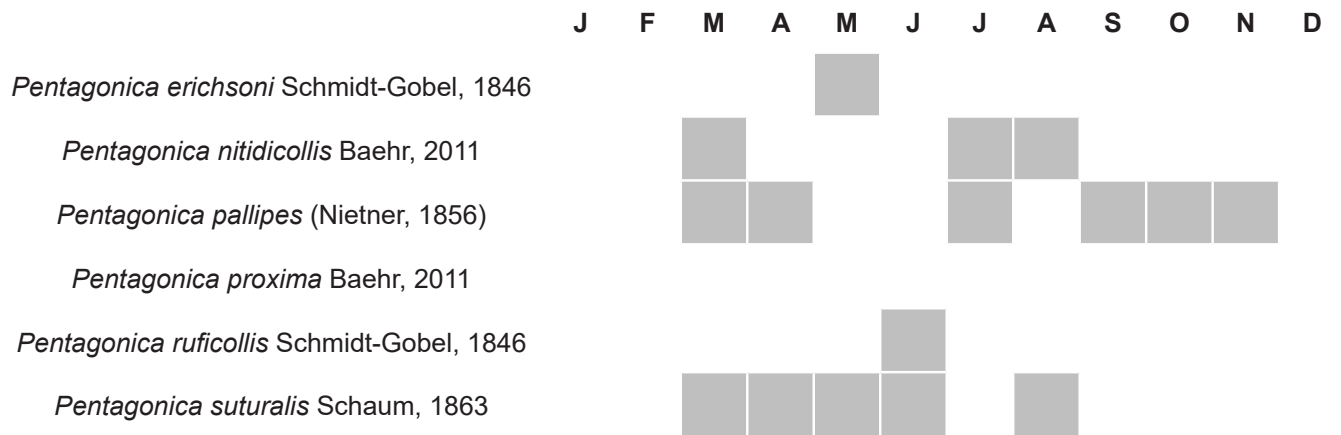


Table 1. Bar chart showing the Imago flight period for all known species (J = January to D = December). No information available for *P. proxima* Baehr, 2011.



Figure 1. *Pentagonica pallipes* (Nietner, 1856) (Photo by author).

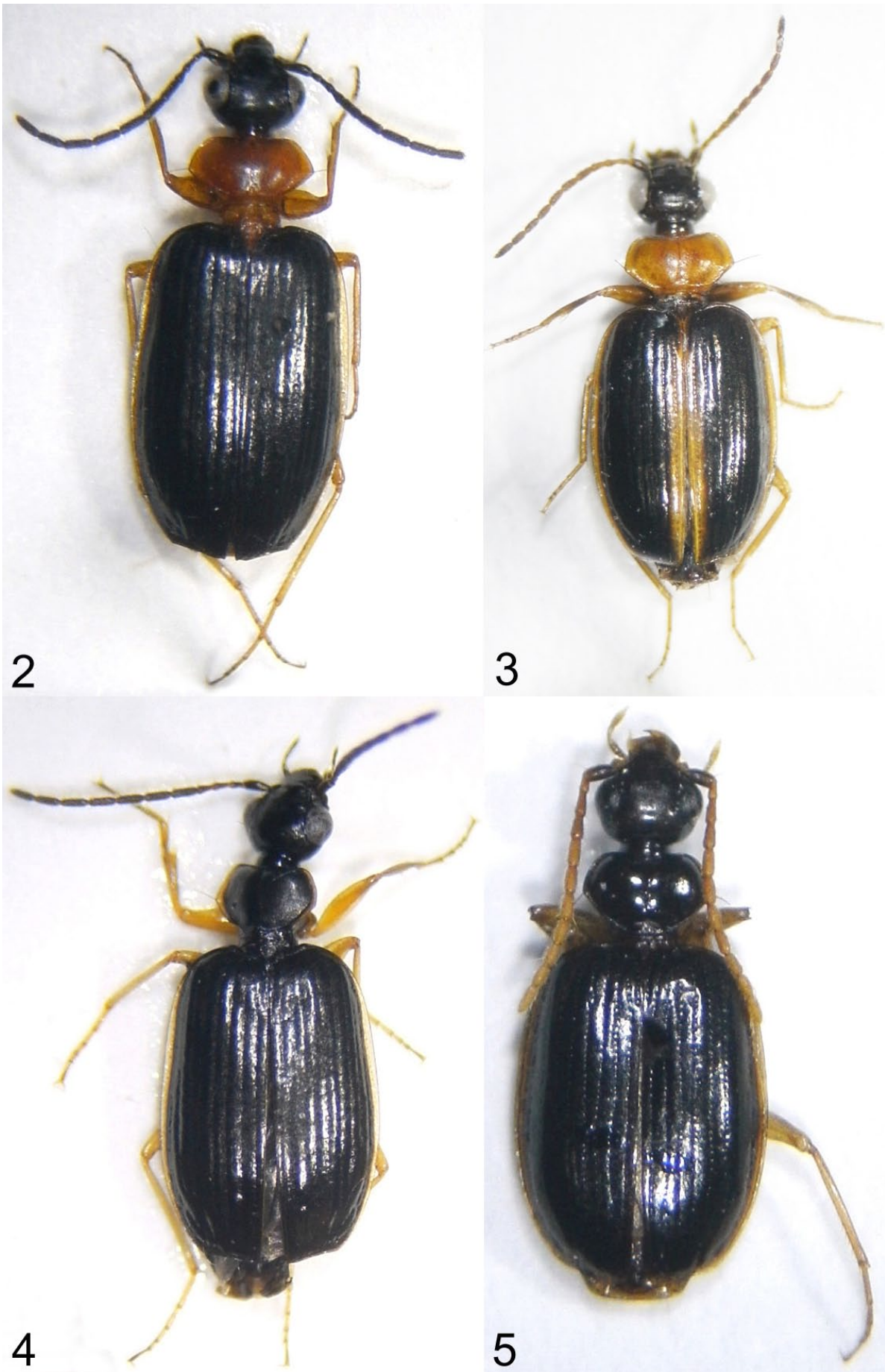


Figure 2-5. *Pentagonica* spp. **2.** *Pentagonica ruficollis* Schmidt-Gobel, 1846. **3.** *Pentagonica suturalis* Schaum, 1863. **4.** *Pentagonica erichsoni* Schmidt-Gobel, 1846. **5.** *Pentagonica nitidicollis* Baehr, 2011 (Photo by author).