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【Research report】

臺灣屬Buluka小爾蜂之一新種(膜翅目：小爾蜂科)【研究報告】

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Abstract

摘要

Buluka屬隸膜翅目、小爾蜂科、小腹爾蜂亞科，目前全世界僅有一種 *B. straeleni* de Saeger. 產於非洲。該屬首次在東方區發現，本文描述該屬臺灣產一新種 (*B. orientalis* Chou. Sp. n.) 之形態特徵，並輔以照片說明。

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A NEW SPECIES OF *BULUKA* (HYMENOPTERA: BRACONIDAE) FROM TAIWAN¹

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ABSTRACT

Buluka orientalis sp. n. (Braconidae: Microgastrinae) from Taiwan is described and illustrated.

INTRODUCTION

Buluka previously included only one species, *B. straeleni* de Saeger, known in the Ethiopian region. This genus is readily separated from all other genera of Microgastrinae by the carapace gaster and the large, quadrangular areolet. In this paper a new species from Taiwan is added to the fauna of the world. The type specimens of this species are deposited in the insect collection of the Taiwan Agricultural Research Institute, Taichung, Taiwan.

Buluka orientalis sp. n. (Figs. 1-9)

Female: Head almost as wide as mesonotum. Face and clypeus (fig. 4) feebly punctate, hairy. Frons and vertex (fig. 1) hairless except along eyes where densely hairy; temple (fig. 5) densely hairy. Malar space short, 0.3 times as long as eye height. Distance between hind ocelli 0.9-1.0 times distance between hind ocellus and eye. Distance between hind ocellus and eye 1.8-2.0 times width of hind ocellus. Flagellomere (fig. 8) proportions: 2 L/W = 4.2-4.4, 8 L/W = 2.7-2.8, 14 L/W = 1.1-1.2; L 2/16 = 2.5-2.6; W 2/14 = 0.7.

Mesonotum (fig. 2) densely rugose punctate and hairy all over. Propodeum reticulate rugose, with a median carina. Hind coxa sparsely finely punctate and hairy. Metacarpus (fig. 7) of fore wing 3.0 times as long as its distance from the apex of the radial cell.

Tergites I-III occupying entire dorsal surface of abdomen (fig. 9) and all strongly rugose. Tergite I .6-0.7 times as long as its apical width, and almost as long as tergite II. Tergite II 0.5-0.6 times as long as its apical width, and 0.5 times as long as tergite III. Ovipositor sheath (fig. 6) 0.1-0.2 times as long as hind tibia.

Color: Blackish brown. Head lighter, clypeus, face and mouthparts yellowish to yellowish brown. Antenna light brown. Tegula yellowish brown. Wings hyaline; fore wing crossed by a dark band beneath the stigma, this band darker on the stigma side of the wing; veins yellowish to brownish, stigma dark brown. Fore and middle legs yellowish. Hind leg dark brown; apical 0.2-0.3 of coxa, trochanters, basal 0.2-0.6 of femur, basal 0.4-0.5 of tibia, and basal 0.4-0.5 of basitarsus yellowish. Tergites I and II yellowish to light brown; tergite I with a more or less pentagonal dark brown mark, tergite II with a more or less trapezoid dark brown.

¹ Contribution No. 1251 from the Taiwan Agricultural Research Institute.

Length: Body, 2.6-3.0 mm; antenna, 2.8-3.2 mm; fore wing, 2.8-3.1 mm; ovipositor sheath, 0.1-0.2 mm.

Male: Antenna longer than female; flagellomere proportions: 2 L/W = 2.2, 8 L/W = 2.4, 14 L/W = 3.1; L 2/14 = 1.1; W 2/14 = 1.5. The coloration of tergites I and II of some specimens almost completely blackish brown.

Holotype: ♀, Lienhuachih 650 m, Nantou, XII. 1984 (K. S. Lin & K. C. Chou). Allotype: ♂, same data as holotype. Paratypes: Taipingshan 1950 m, Ilan, 1 ♂, 26-28. VII. 1983 (L. Y. Chou); Chiapaotai 750 m, Taichung, 1 ♀, 14-18. X. 1980 (K. S. Lin & C. H. Wang); Lienhuachih 650 m, Nantou, 1 ♂, III. 1984, & 1 ♀, 6 ♂, XII. 1984 (K. S. Lin & K. C. Chou); & Tungpu 1200 m, Nantou: 3 ♂, 25-29. IX. 1980 (L. Y. Chou & T. Lin). 2 ♂, 5-8. X. 1981 (T. Lin & W. S. Tang), 1 ♀, 1 ♂, 18-23. XI. 1981 (T. Lin & W. S. Tang), 1 ♂, 20-24. IV. 1982 (T. Lin & K. C. Chou), 2 ♂, 18-21. X. 1982 (K. C. Chou & S. C. Lin), 2 ♀, 1 ♂, 22-25. XI. 1982 (K. C. Chou & S. P. Huang), 1 ♀, 13-16. XII. 1982 (K. C. Chou & C. C. Pan), 1 ♂, 16-20. IV. 1984 (K. C. Chou & C. H. Yang), & 3 ♀, 5 ♂, 23-27. VII. 1984 (K. C. Chou & C. H. Yang).

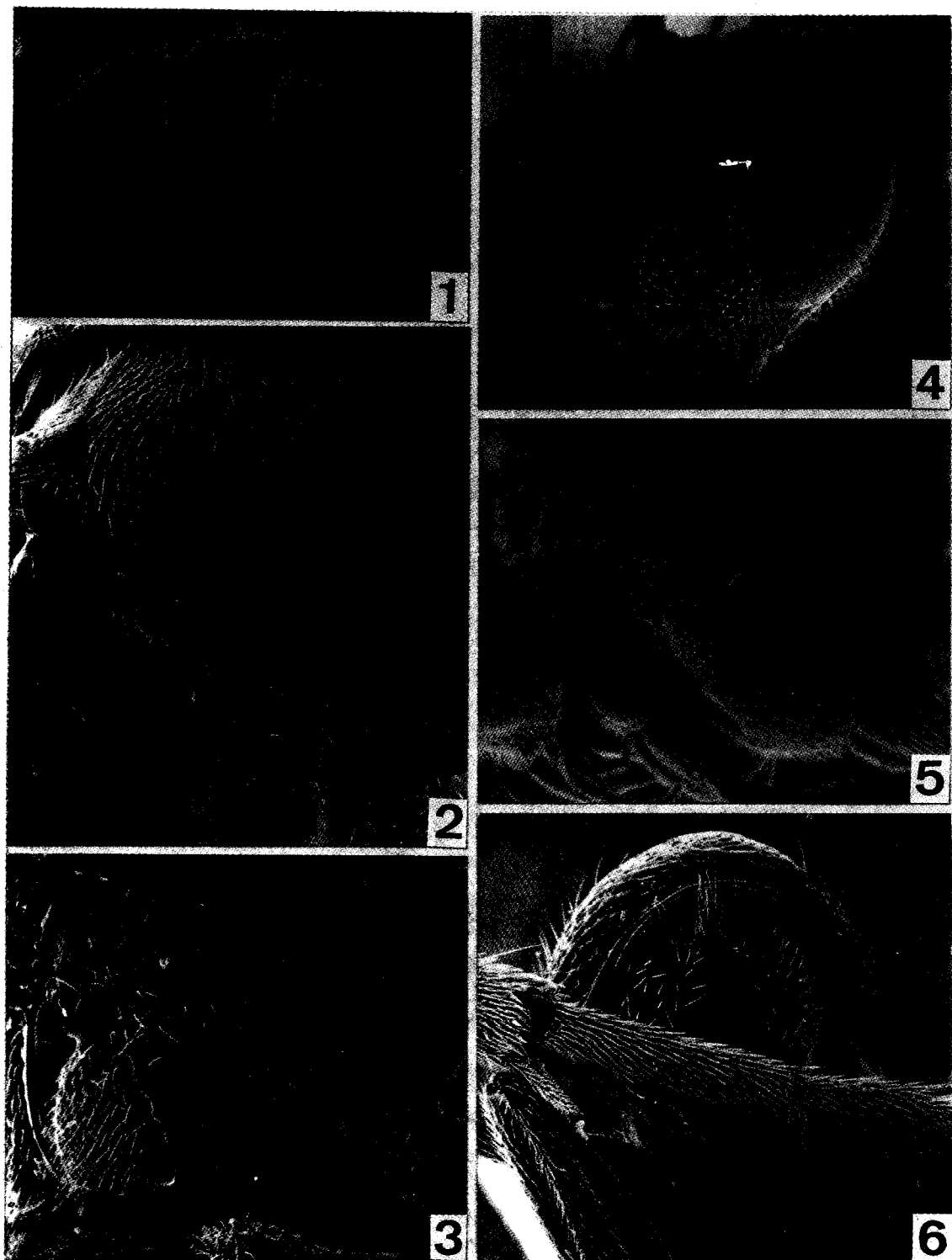
This new species can be readily separated from *B. straeleni* de Saeger (de Saeger, 1948; Nixon, 1965) by the coloration of tergites I and II.

ACKNOWLEDGEMENT

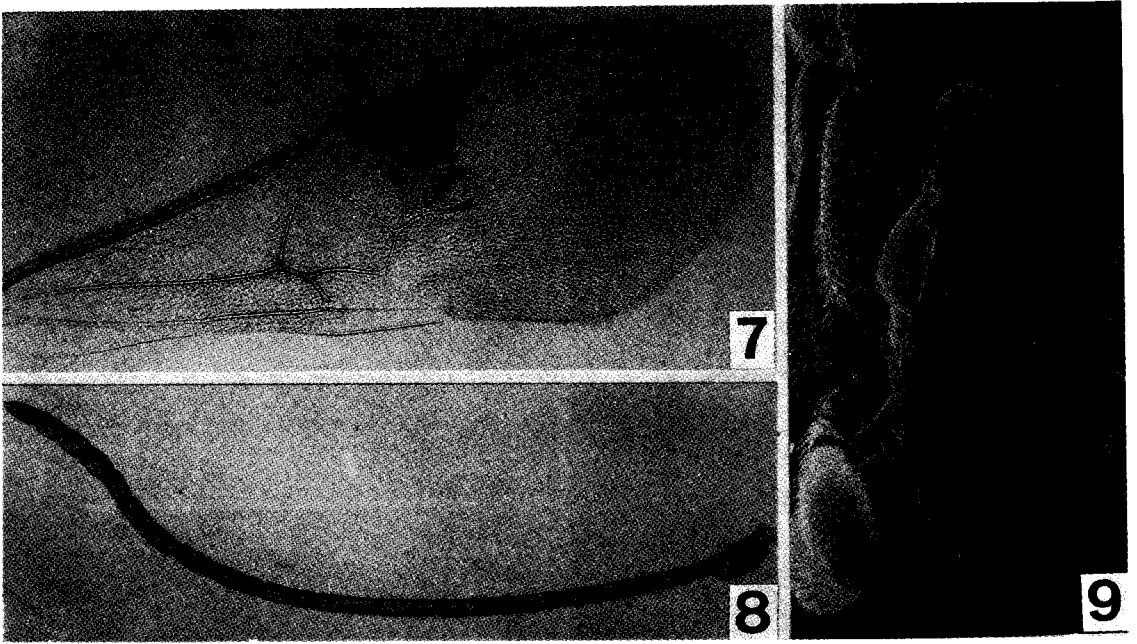
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Figs. 1-6 *Buluka orientalis* sp. n., paratype (♀): 1, dorsal view of head; 2, dorsal view of mesonotum; 3, dorsal view of propodeum; 4, frontal view of head; 5, lateral view of thorax, 6, ventral view of apical part of abdomen.



Figs. 7-9 *Buluka orientalis* sp. n., paratype (♀): 7, fore wing; 8, antenna; 9, dorsal view of abdomen.

臺灣 *Buluka* 屬小繭蜂之一新種 (膜翅目：小繭蜂科)

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臺灣省農業試驗所應用動物系

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