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A New Species of Neoneurinae (Hymenoptera: Braconidae) from Taiwan[1]

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Abstract: *Elasmosoma taiwanense* sp. n. (Braconidae: Neoneurinae) from Taiwan is described and illustrated.

Neoneurinae is a small subfamily, containing endoparasitoids of adults of worker nts. it consists of the genera *Elasmosoma*, *Euneoneurus*, *Neoneurus* and *Parelasmosoma*. *Elasmosoma* previously included only 11 species in the world. In this paper a new species from Taiwan is added to the fauna of the world. The type specimens of this species are doposited in the insect collection of the Taiwan Agricultural Research Institute, Taichung, Taiwan.

Elasmosoma taiwanense Chou, **sp. n.**

Female: Head 1.18 times broader than mesonotum. Face 1.25 times as high as its breadth; face and clypeus (fig. 2) transversely strigose; frons and vertex (fig. 3) reticulate-coriaceous with transversely strigose element particularly upon vertex between and around ocelli. Malar space very short, 0.13 times as long as eye height. Distance between hind ocelli 0.75 times distance between hind ocellus and eye. Distance between hind ocellus and eye 2.40 times width of hind ocellus. Antenna 13-segmented (fig. 10).

Pronotum reticulate-coriaceous to strigose. Mesonotum (fig. 6) reticulate-coriaceous. Mesopleurum and metapleurum (fig. 7) reticulate-coriaceous with rugulose element; lateral areas of scutellum and metanotum canaliculate. Propodeum (fig. 4) strongly reticulate-rugose. Costa of fore wing thickened. Stigma wide and reflexed anteriorly into a pouch-like fold (fig. 8). Tarsus of fore leg 0.87 times as long as tarsus of middle leg. Basitarsus of middle leg almost as long as tibial spine and 1.29 times as long as tarsal segment 2. Inner spur of hind tibia 0.78 times as long as hind basitarsus.

Abdomen 0.90 times as long as head and thorax together (fig. 1). Tergite 1 (fig. 9) almost as long as apical width, reticulate-rugose. Tergite 2 and 3 (fig. 9) 0.56 and 0.63 times as long as apical width, respectively; punctate reticulate. Tergite 4 and the following tergites slightly reticulate-coriaceous. Hypopygium (fig. 5) deeply notched distally.

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Blackish; clypeus dark brown; mandible yellowish brown (except apex brown); tergite 2 and the following tergites more or less lighter. Wings hyaline; veins yellowish brown; costa, metacarpus and stigma dark brown. Legs yellowish brown ; 5th tarsi and claws darker.

Length: Body, 2.33 mm; antenna 0.89 mm; fore wing, 1.87 mm; ovipositor sheath, 0.16 mm.

Male: Antenna 14-segmented, longer and thicker than female (fig. 11). Coloration darker than in the female.

Specimens examined: Holotype: ♀, Tungpu 1200m, Nantou, 18-23. XI. 1981 (T. Lin & W. S. Tang). Allotype: ♂, same data as holotype. Paratypes: Meifeng 2150m, Nantou, 1♂, 5-9. X. 1980; Wushe 1150m, Nantou, 1♂, 6-11. V. 1981 (K. S. Lin & S. C. Lin); & Tungpu 1200m, Nantou, 1♂, 25-29. IX. 1980 (L. Y. Chou & T. Lin).

This new species keys to *Elasmosoma berolinense* Ruthe in the key to species of *Elasmosoma* (Huddleston, 1976). It can be readily separated by the shape of hypopygium.

Acknowledgements

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Reference

Huddleston, T. 1976. A revision of *Elasmosoma* Ruthe (Hymenoptera, Braconidae) with two new species from Mongolia. Ann. Hist.-nat. Mus. Nat. Hung., 68 : 215-225.

臺灣蟻繭蜂亞科 (Neoneurinae) 之一新種

(膜翅目：小繭蜂科)[1]

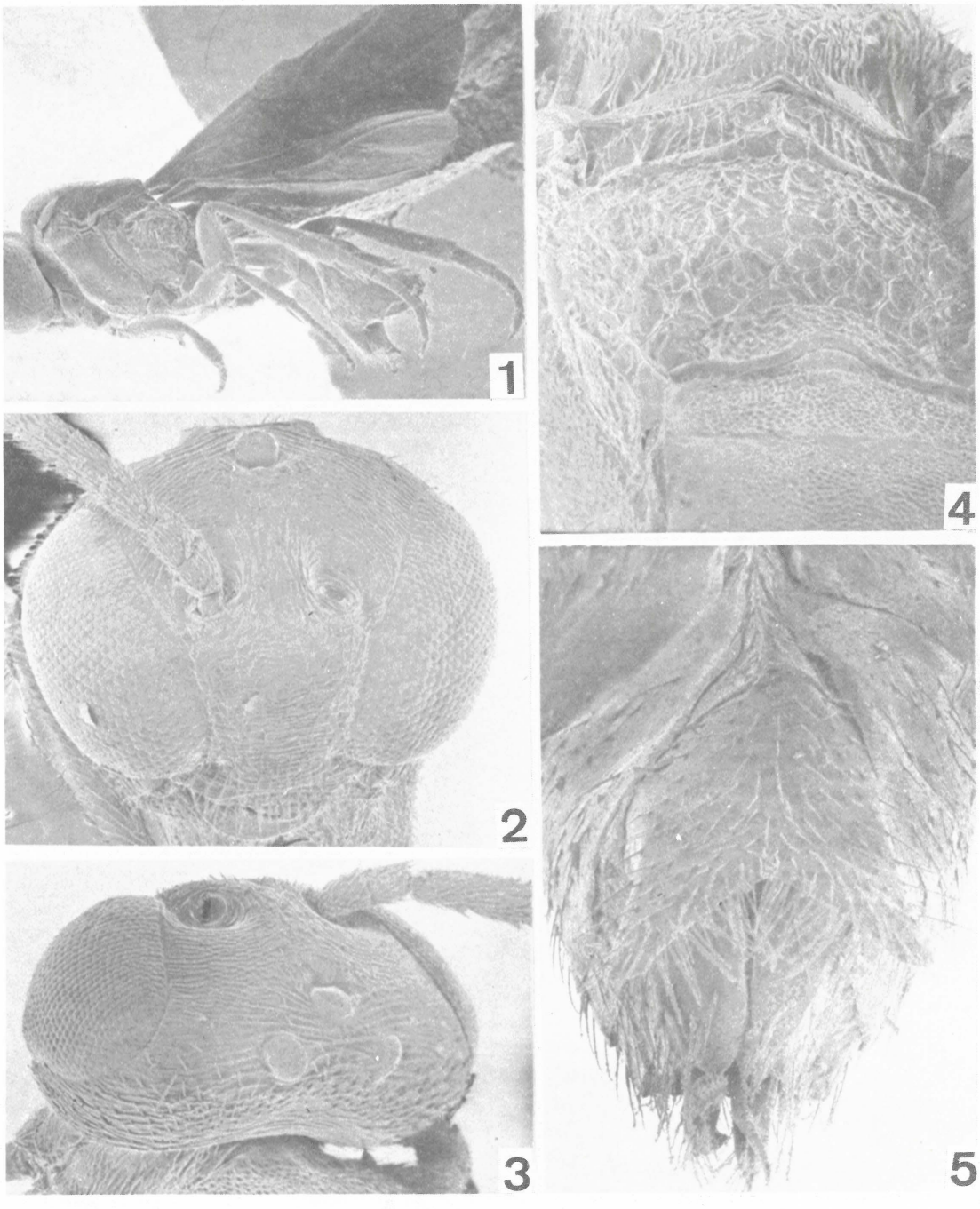
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摘 要

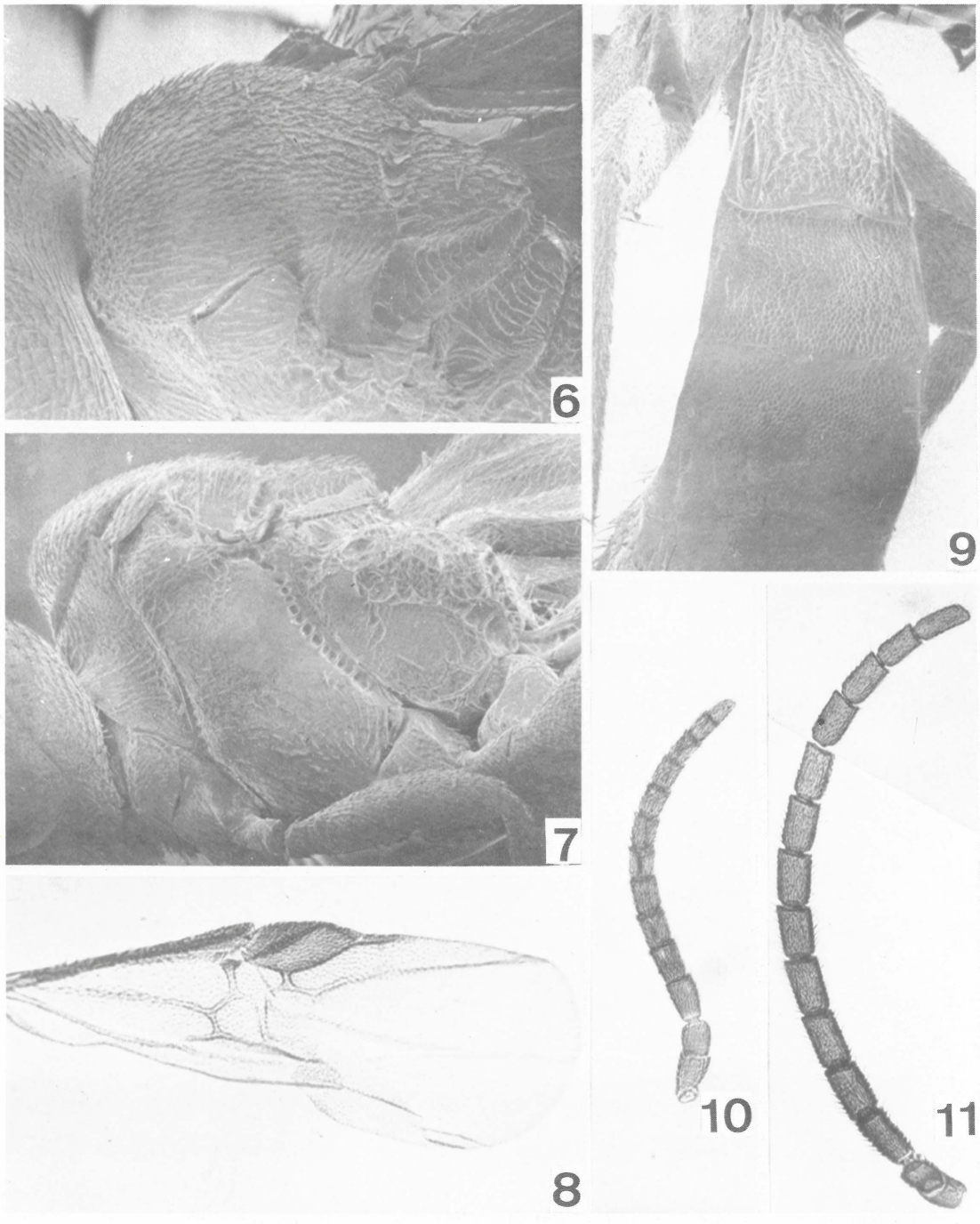
蟻繭蜂亞科之種類爲螞蟻之寄生蜂，目前全世界已知之種類約有4屬20種。該亞科爲臺灣之新記錄，本文描述臺灣蟻繭蜂（*Elasmosoma taiwanense* Chou，新種）之形態特徵，並輔以照片說明。

1.臺灣省農業試驗所 研究報告第 1250 號

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Figs. 1–5, *Elasmosoma taiwanense* sp. n., holotype: 1, lateral view of whole insect; 2, frontal view of head; 3, dorsal view of head; 4, dorsal view of propodeum; 5, ventral view of hypopygium.



Figs. 6-11, *Elasmosoma taiwanense* sp. n. Figs. 6-10, holotype: 6, dorsal view of mesonotum; 7, lateral view of thorax; 8, fore wing; 9, dorsal view of basal part of abdomen; 10, antenna. Fig. 11, Allotype: antenna.