

Short Communication

NEW RECORD OF THE SPECIES *ECTOPIOGLOSSA SUBLAEVIS* (SMITH, 1857) (HYMENOPTERA: VESPIDAE: EUMENINAE) FROM THE INDIAN SUBCONTINENT

INTRODUCTION

Perkins (1912) described the genus *Ectopioglossa* based on the type species *Ectopioglossa australensis* Perkins, 1912 [= *Eumenes australensis* Meade Waldo, 1910 = *Ectopioglossa polita australensis* (Meade Waldo)]. This genus of potter wasps (Vespidae: Eumeninae) is distributed in the Australian and Oriental Regions. Thirteen species with three additional subspecies are recorded from Oriental Region of which *E. keiseri keiseri* van der Vecht, 1963, is recorded from the Indian subcontinent. In this paper, we are reporting a Southeast Asian species, namely, *E. sublaevis* (Smith, 1857) from India (Assam and Sikkim) and Myanmar (Mergui) for the first time. An updated checklist of Oriental species of *Ectopioglossa* is also provided.

MATERIAL AND METHODS

The specimens were examined under LEICA M60 stereozoom microscope and images captured with the camera model LEICA DFC-450. The studied specimens were deposited in the 'National Zoological Collections' of the Western Ghat Regional Centre, Zoological Survey of India, Kozhikode (= Calicut), India (ZSIK).

Abbreviations used for the Museums: BMNH—British Museum (Natural History), London, England; ZSIK—Western Ghat Regional Centre, Zoological Survey of India, Kozhikode (= Calicut), India.

Abbreviations used for the terms: H = Head; M = Mesosoma; S = Metasomal sterna; T = Metasomal terga.

RESULTS

Ectopioglossa sublaevis (Smith, 1857) (Figs. 1–6)



Fig. 1. *Ectopioglossa sublaevis* (Smith). ♀ Body profile



Fig. 2. *Ectopioglossa sublaevis* (Smith). ♀ Head frontal view

1857. *Eumenes sublaevis* Smith, 23, female - "Borneo (Sarawak)" (BMNH); 1871: 372 (cat.). - Dalla Torre, 1894: 32 (*sublevis* [!]; cat.); 1904: 25 (*sublevis* [!]; cat.).
1928. *Pareumenes sublaevis*; Bequaert, 171 (note on type). - van der Vecht, 1937: 276 (in subgenus *Pseumenes*; Sumatra; Borneo). - Giordani Soika, 1941: 219 (in subgenus *Pseumenes*; note on type).
1963. *Ectopioglossa sublaevis*; van der Vecht, 30 (Sumatra; Borneo; Java; Palawan). - Baltazar, 1966: 295 (cat.).



Figs. 3. *Ectopioglossa sublaevis* (Smith). ♀ Head and mesosoma dorsal view



Figs. 4. *Ectopioglossa sublaevis* (Smith). ♀ Metasoma dorsal view.

Diagnosis: Gastral petiole coarsely punctate, with a transverse carina basally; propodeum dorsally with elongate fovea from which carina runs to orifice; median excavation of propodeum on each side of the median carina with a few sub longitudinal ridges which converge towards the basal fovea; propodeum with dentiform projection above propodeal valvula; T1 with lateral margins fused ventrally; S1 reduced to posterior crescentic sclerite, with few strong punctures; T2 with strongly raised lamellate apical margin at the

middle; apical margin of T3 not raised, normal; epicnemial carina present, strong; axillary fossa narrower than long, slit-like; tegula with narrow posterior lobe which about equals parategula posteriorly; second submarginal cell acute basally; midtibia with one spur.



Figs. 5. *Ectopioglossa sublaevis* (Smith). ♂ Head frontal view



Figs. 6. *Ectopioglossa sublaevis* (Smith). ♂ Apical antennal articles.

Colour: *Female:* Body black with following yellow markings: a spot at base of mandible (absent in specimen from Mergui); clypeus; ocular sinus; a narrow line at inner margin of eye from ocular sinus to clypeus; an elongated mark on inter antennal space which extends up to anterior ocelli; a spot at the side of the posterior ocelli; a large mark on temple; lower side of scape; an interrupted transverse band on pronotum; two narrow longitudinal lines on either side of mesoscutum; two large spots on scutellum; a large mark on mesopleuron beneath forewing; tegula except a brown spot at middle; parategula; broad

curved mark on each side of the propodeum, the outer margin of which is angulated; small mark on mid and hind coxa; outer side of fore and mid femora; a spot at apex of hind femora; outer side of mid and hind tibia; fore tibia and fore tarsi entirely; a narrow transverse band at apex of T1; a transverse band at apex of T2 (which is interrupted on each side in Mergui specimen); apical margin of T3 and T4 with a transverse band which are interrupted on each side. Flagellum fulvous beneath; mid and hind tarsi ferruginous. Wings slightly fuscous, darkest along the anterior margin. *Male*: Similar to female except the yellow spot in between the posterior ocellus and the eye absent and yellow lines on mesoscutum also absent.

Size (H+M+T1+T2): Female, 12.5 mm; Male, 8.5 mm.

Material examined: INDIA: Assam, Tinsukia district, Margherita, 1♂, date of collection and name of collector unknown, Regd. No. ZSI/WGRS/I.R-INV.5019; Sikkim, 1♀, exact locality and name of collector unknown, May 1912, Regd. No. ZSI/WGRS/I.R-INV.5020; MYANMAR: Mergui, 1♀, date of collection unknown, Coll. W. Doherty, Regd. No. ZSI/WGRS/I.R-INV.5021.

Distribution: India (new record): Assam, Sikkim; Myanmar (new record): Mergui; Malaysia: Sarawak; Indonesia: Sumatra; Java; Kalimantan; Philippines.

Checklist of Oriental species of the genus *Ectopioglossa* Perkins

1. *E. henseni* Gusenleitner, 1990 – Thailand; Borneo.
- 2a. *E. keiseri keiseri* van der Vecht, 1963 – India: Meghalaya; Sri Lanka; Laos.
- 2b. *E. keiseri nigra* Giordani Soika, 1993 – Vietnam.
3. *E. laminata* van der Vecht, 1963 – Philippines.
4. *E. lucida* van der Vecht, 1963 – Philippines.
5. *E. mediana* (Smith, 1864) – Indonesia: Moluccas.
6. *E. mutata* Gusenleitner, 1991 – Indonesia: Sulawesi.
7. *E. ovalis* Giordani Soika, 1993 – China: Hainan.
8. *E. palustris* van der Vecht, 1963 – Indonesia: Java.
- 9a. *E. polita polita* (Smith, 1861) – Indonesia: Moluccas.
- 9b. *E. polita volatilis* (Smith, 1864) – Indonesia: Papua (including Misool), Moluccas (Aru Is.); Papua New Guinea.
- 10a. *E. samariensis nigra* van der Vecht, 1963 – Philippines.
- 10b. *E. samariensis samariensis* (Giordani Soika, 1941) – Philippines.
11. *E. sublaevis* (Smith, 1857) – India (new record): Assam, Sikkim; Myanmar (new record): Mergui; Malaysia: Sarawak; Indonesia: Sumatra; Java; Kalimantan; Philippines.
12. *E. sumbana* van der Vecht, 1963 – Indonesia: Sumba.
13. *E. taiwana* (Sonan, 1938) – Taiwan.

SUMMARY

The Southeast Asian species of potter wasp, namely, *Ectopioglossa sublaevis* (Smith, 1857) is reported here for the first time from India and Myanmar. This species so far recorded from Southeast Asian countries such as Malaysia, Indonesia, Java, Kalimantan and Philippines. In this paper, we are reporting its extended distribution in Myanmar (Mergui) and Northeastern India (Assam and Sikkim). An updated checklist of the Oriental species of this genus is also provided.

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REFERENCES

- Baltazar, C. R. 1966. A catalogue of Philippine Hymenoptera. *Pacific Insects Monograph*, **8**: 1-488. Honolulu.
- Bequaert, J. 1928. A study of certain types of diplopterous wasps in the collection of the British Museum. *Ann. Mag. Nat. Hist.*, (10)**2**: 138-176.
- Dalla Torre, K. W. Von. 1894. *Catalogus Hymenopterorum*, **9**, Vespidae (Diploptera), Leipzig, 181 pp.
- Dalla Torre, K. W. Von. 1904. *Vespidae, Genera Insectorum*, **19**: 1-108.
- Giordani Soika, A. 1941. Studi sui Vespidi Solitari. *Boll. Soc. Venez. Stor. Nat.*, **2**(3): 130-279.
- Perkins, C. R. L. 1912. Notes, with descriptions of new species, on Aculeata Hymenoptera of the Australian Region. *Ann. Mag. Nat. Hist.*, **9**, 8: 96-121.
- Smith, F. 1857. *Catalogue of Hymenopterous insects in the collection of the British Museum*. **5**: 1-147.
- Smith, F. 1871. A catalogue of the Aculeate Hymenoptera and Ichneumonidae of India and eastern Archipelago, with introductory remarks by A. R. Wallace. *J. Proc. Linn. Soc. London Zool.*, **11**: 285-415.
- Vecht, J. van der. 1937. Descriptions and records of Oriental and Papuan solitary Vespidae. *Treubia*, **16**: 261-293.
- Vecht, J. van der. 1963. Studies on Indo-Australian and East Asiatic Eumenidae (Hymenoptera: Vespoidea). *Zool. Verh., Leiden*, **60**: 1-116.

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