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Three genera of Mycetophilidae new to the fauna of Sumatra and Java, with description of *Zygomia polypina* spec. nov. (Insecta: Diptera)

With 2 Figures

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Abstract. By study of materials from Sumatra and Java, each one species of genera *Neuratelia* ROND., *Sciophila* MG. and *Zygomia* WINN. have been found as new records for those isles. *Zygomia polypina* from Java is described as new for science.

By the study of materials from Java and Sumatra, there were established three genera unknown from this region. One species each of *Neuratelia* and *Sciophila* are probably new. However, descriptions on the basis of female specimens have not been justified because of difficulties with differentiation of the species, based on the female genital apparatus. The materials are deposited in the Zoological Museum, Amsterdam.

Neuratelia RONDANI

Genus *Neuratelia* is known from the Oriental region with unique species, *N. indica* (BRUNETTI) from Darjeeling, W Bengal (COLLESS & LIEPA, 1973).

Neuratelia spec.

Material examined: 1 female, Java, Oenganan, Goenoeng, Sept. 1910, leg. E. Jacobson.

Sciophila MEIGEN

From the Oriental region there is known only *S. bicolor* BRUNETTI from Darjeeling, W Bengal (COLLESS & LIEPA, 1973).

Sciophila spec.

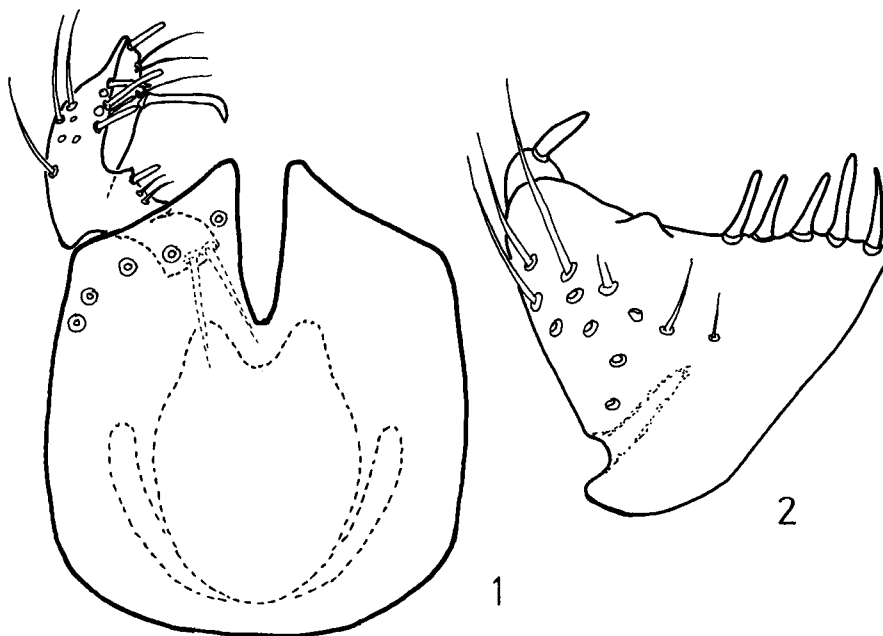
Material examined: 2 females, Sumatra, Fort de Kock, 920 m, leg. E. Jacobson, 1926.

Zygomia WINNERTZ

CHANDLER (1991) described the first species to the Oriental region, *Z. valepedro* from Sri Lanka.

Zygomia polypina spec. nov.

Male: Length of the wing 2,5 mm. Head brown. Scape and pedicel yellow, flagellomeres brownish. Thorax brown. Coxae yellow. Fore and mid femora yellow, hind with dark apikal third. Tibiae and tarsi yellow brownish. Mid tibia with 1 long *v*, 2 *a* and 5 *d*. Wing membranae clear, with brown medial



Figs. 1–2: *Zygomyia polyspina* spec. nov., male genitalia: 1 – ventral view; 2 – gonostyle, lateral view.

spot beginning from *C*, spreading apical third of *R 1* and reaching to the stem of *M* and base of *M 1* and *M 2*. Abdomen brown with yellowish VI segment. Male genitalia – Figs. 1–2.

Type locality: Java, Tjibodas.

Type material: Holotype male, “Tjibodas, 5000–6000’, Koningsberg, 1913”. The holotype is in poor condition. One of the wings absent and thorax is damaged.

Zygomyia polyspina spec. nov. differs from the Oriental and the Palaearctic species in the male genital structure, mainly in having of spines on the gonostyles.

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References

- CHANDLER, P., 1991: New species and additions of the British list of the fungus gnat genera *Zygomyia* Winnertz and *Sceptonia* Winnertz (Diptera, Mycetophilidae). – Br. J. Ent. Nat. Hist. 4: 143–155.
- COLLESS, D.H. & LIEPA, Z., 1973: Family Mycetophilidae (Fungivoridae). In: DELFINADO, M.D. & HARDY, D.E., eds., A Catalog of the Diptera of the Oriental Region, 1, Honolulu University Press of Hawaii, p. 444–463.

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