

Occurrence of a Fourth Metanotal Seta on the
Pupa of *Bironella confusa* Bonne-Wepster

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Knight (1971) reviewed the chaetotaxy of the mosquito pupa and the literature thereon. The metanotal plate consistently bears 3 pairs of setae, 10-CT, 11-CT and 12-CT, homologous with larval setae 1-T, 2-T and 3-T respectively. Belkin (1952) noted that occasionally pupae of *Uranotaenia quadrimaculata* Edwards had an additional metanotal seta bearing the same relation to 12-CT as larval seta 4-T bears to 3-T. Peyton (1973) found on most *Uranotaenia* pupae a seta, alveolus or pigmented spine or spicule slightly caudolaterad of seta 12-CT, which he designated 13-CT without attempting to determine homologies.

There are 3 pupal skins of *Bironella confusa* Bonne-Wepster in UQ, two of which (Ifar, Lae) have a fine 3-4 branched seta inserted behind and slightly laterad of 12-CT, its length a little greater than the distance from its base to the base of 12-CT, which distance is about half that between the bases of 12-CT and 11-CT. There seems little doubt that this is homologous with 13-CT of *Uranotaenia* pupae.

The third *Bi. confusa* skin (Ifar) has a pair of small alveoli in the corresponding positions, one of them apparently with a minute seta.

A single pupal skin of *Bironella soesiloi* Strickland and Chowdhury has a pair of very small alveoli in the corresponding positions.

Material examined:

Bi. confusa - 2 pupal skins, linked (not individually) with 1 larval skin and 2 males, Ifar, NWNG, 2.v.1958, E. N. Marks and J. van den Assem, backwater of rocky mountain stream; 1 pupal skin linked with male, Lae, NENG, 2.vi.1958, E. N. Marks, seepage.

Bi soesiloi - 1 pupal skin, Ami, Maprik Subdist., NENG, ii.1958. Mal. Contr. Sect.

References

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- Knight, K. L. 1971. A mosquito taxonomic glossary. VII. The pupa. Mosquito Syst. Newsletter 3: 42-65.
- Peyton, E. L. 1973. Notes on the genus *Uranotaenia*. Mosquito Syst. Newsletter 5: 194-196.

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