

**FURTHER RECORDS OF THE RECENTLY ESTABLISHED, ORANGE  
AND BLACK AUSTRALIAN BEE, *HYLEOIDES CONCINNA* (FABRICIUS)  
(HYMENOPTERA: COLLETIDAE: HYLAEINAE).**

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*Hyleiodes concinna* (Fabricius) (Colletidae: Hylaeinae) is a brightly-coloured, black and orange Australian bee first recorded in New Zealand by Donovan (1983). In dorsal view the head and thorax appear black, while the metasoma is bright orange, with a broad, black band across the middle. The underside of the metasoma is black with a conspicuous, cream, transverse stripe. The clypeus of the male has a bright yellow hour-glass shape; the female clypeus has a large bright-orange area shaped like an inverted pear.

Females make serial nests in hollow twigs and abandoned beetle galleries in wood. Cells are separated by thin partitions. Pollen and nectar are placed in a thin covering. After an egg is laid on the mixture, the sides of the covering are drawn in until it resembles a pudding.

Donovan (1983) described its establishment in New Zealand on the basis of specimens captured near Gisborne, Napier, and Havelock North on the east coast of the North Island, between 1980 and 1982. Fordham (1989) Recorded that it had spread to Wanganui and Palmerston North.

In April, 1998, Mr. J. Cox of Tangowahine, Dargaville, sent me 10 specimens of *H. concinna* and stated that it had first appeared in the area during the 1997-98 summer and was now abundant at Dargaville. Mr. Cox's specimens were netted as they frequented flowers of *Eucalyptus longifolia* Link. on 31 March 1998 and on 5 April 1998, on his property at Tangowahine. During March and April, large numbers of *H. concinna* frequented the eucalyptus flowers.

Mr. Cox also informed me that *Polistes* (*Polistes*) *chinensis* Fabricius

(Hymenoptera: Vespidae: Polistinae) (Asian paper wasp) had just arrived at Kaitaia, being now well established in the Peria district, east of Kaitaia.

The present note consequently records a significant migration northwards of *Hyleoides concinna* and *Polistes (P.) chinensis*.

### REFERENCES

Donovan, B. J., 1983. Occurrence of the Australian bee *Hyleoides concinna* (Hymenoptera: Colletidae) in New Zealand. *New Zealand journal of zoology* 10: 345-348.

Fordham, R. A., 1989. Further New Zealand records of the new immigrant Australian bee *Hyleoides concinna* (Hymenoptera: Colletidae: Hylaeinae). *New Zealand entomologist* 12: 65-67.