

## REFERENCES

- Hansen, V. & Larson, S. G. 1945. Heteromerer, Biller Vol. XII. *Danm. Fauna Entom.* 50, 1—293.  
Lindroth, C.H. (Ed.) 1960. *Catalogus Coleopterorum Fennoscandiae et Daniae*, Entom. sällsk., Lund.

Received 29 Jan. 1981.

---

### **PSEUDOVESPULA OMISSA (BISCHOFF, 1931) (HYM., VESPIDAE) RECORDED FROM NORWAY**

KNUT ROGNES AND KLAUS MOHN

The cuckoo-wasp, *Pseudovespula omissa* (Bischoff, 1931), which usurpates the nest of *Dolichovespula sylvestris* (Scopoli, 1763), is recorded from Norway for the first time. The locality, where a single female specimen was found, is situated in a suburban area of the small town of Sandnes, in the northern part of Jæren, a farmland district in the south-western part of Norway.

Knut Rognes, Havørnbrautene 7a, N-4040 Madla, Norway. Klaus Mohn, Mølle dalen 1, N-4300 Sandnes, Norway.

Løken (1964, 1978) has published records of social wasps from Norway. Within the subfamily Vespinae (sensu Blüthgen 1961) ten species have been recorded up to now. Among these are two inquillines, viz. *Vespula austriaca* (Panzer, 1799), which usurpates the nest of *Paravespula rufa* (L.), and *Pseudovespula adulterina* (Buysson, 1905), which parasitizes *Dolichovespula saxonica* (Fabricius, 1793) and possibly also *D. norvegica* (Fabricius, 1781) (Blüthgen 1961; Løken 1964, 1978). The third known inquiline from Europe, *Pseudovespula omissa* (Bischoff, 1931), which occupies the nest of *D. sylvestris* (Scopoli, 1763), has hitherto been recorded from Finland (Blüthgen 1961: 43), Denmark, and Skåne in Sweden (Erlandsson 1971), as far as Scandinavia is concerned.

We hereby publish the first record of *P. omissa* from Norway.

ROGALAND: Ry: Sandnes, Stangeland, EIS 7, 1 ♀ 1 Aug. 1979, Klaus Mohn leg. UTM reference: 32V LL 108 282.

The specimen was identified by one of us (K.R.) with the aid of Blüthgen's keys and is deposited at the Museum of Zoology, Bergen.

The specimen was found creeping slowly on

the ground among low vegetation on a sunny, moderately warm day, and could be picked with the hands. The wings are slightly worn. The locality is situated in a suburban area which is surrounded by open cultivated farmland and which neighbours the small town of Sandnes in the northern part of Jæren, south-western Norway. *D. sylvestris*, its host, is common in this part of the country (see e.g. Løken 1964: 203—204).

The female of *P. omissa* closely resembles that of *D. sylvestris*, especially as regards the colour of the clypeus, which is all yellow with a central black spot. However, like the other cuckoo-wasps, it has the lower corners of clypeus acute and distinctly projecting, the genae broader, the teeth at the inner margin of the mandibles stronger, and viewed in profile the sixth tergite is distinctly convex, the sixth sternite concave for the whole of its length and the sting curved ventrally. In addition, the yellow pronotal bands are broadened on the external side and the sixth sternite black on basal half.

In Løken's (1964) key, the female of *P. omissa* will run to *P. adulterina* (couplet 4), from which it can safely be distinguished by the mostly yellow hairs on clypeus, rather closely set in the middle apically. In *P. adulterina* the clypeus has only black hairs which are evenly distributed. As regards identification of the male sex, which we have not seen, the reader is referred to Blüthgen (1961).

## ACKNOWLEDGEMENT

We are indebted to Astrid Løken, Zoological Institute, Blindern, Oslo (formerly Museum of Zoology, Bergen) for having verified the identification of the specimen.

## REFERENCES

- Blüthgen, P. 1961. Die Faltenwespen Mitteleuropas (Hymenoptera, Diploptera). *Abh. dtsh. Akad. Wiss. z. Berl., Klasse Chemie, Geologie, Biologie* 1961 (2), 1—251.  
Erlandsson, S. 1971. Catalogus Insectorum Sueciae XIX Hymenoptera: Aculeata. *Ent. Tidskr.* 92, 87—94.  
Løken, A. 1964. Social wasps in Norway (Hymenoptera, Vespidae). *Norsk ent. Tidsskr.* 12, 195—218.  
— 1978. Notes on the Norwegian fauna of social Aculeates (Hym., Vespidae and Apidae s.s.). *Norw. J. Ent.* 25, 165—170.

Received 8 Sept. 1980.