

The occurrence of *Bembix rostrata* F. in the Scandinavian countries. (Hym. Sphecidae)

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In the summer of 1741 when Linné (1745) visited the island of Gotland he found a colony of an aculeate hymenopteron which has later been established as *Bembix rostrata* F. (Dahlbom 1837). This is the first time the occurrence of this insect is mentioned in Sweden.

During Dahlbom's time *B. rostrata* was only to be found in the provinces of Scania and Gotland. In Scania it was found on several localities and some of them are still inhabited by *Bembix*. As this insect has very characteristic looks and way of living we can without any hesitation have confidence in the information of localities given by Dahlbom (1837, 1843—45).

However, in spite of insufficient investigation of the Swedish aculeate hymenoptera there are a fair number of finds which make it possible to get an adequate view of the distribution of *Bembix rostrata* in Sweden.

Aurivillus (1904) mentions the distribution of *B. rostrata* as Sk.—Upl. (=the provinces of Scania—Upland). On the basis of this information we feel tempted to conclude that it occurs on suitable localities within the whole territory. However, this is not the case. The enclosed map of distribution shows that *Bembix rostrata* occurs in the southern and southeastern provinces of the country. The northernmost find has been made at Upsala. Besides there is a find in the province of Södermanland, a female captured by P. Wahlberg but without further information.

Among the other Scandinavian countries *Bembix rostrata* is only found in Denmark and there only on the island of Sjaelland and Bornholm. At the last-mentioned island *Bembix rostrata* is living in several localities in the southern part of the island.

Considering the present data *Bembix rostrata* seem to exist in fairly large numbers of individuals on some localities which is also confirmed by information in the literature Dahlbom (1837, 1843—45, Tjeder 1954).

Concerning the occurrence of *Bembix rostrata* in Upland there is a specimen in the collection of the Museum of Natural History in Stockholm only with the information "Upl.P.Wg." (=Upland, P. Wahlberg). In the same collection there are two specimen ♀♂ captured in Upsala in the year of 1901 by A. Roman. From the same locality there are also specimens captured by Prof. O. Lundblad. Lundblad (1912) mentions that the colony in this locality is by no means big and there is a risk that it might be extirpated. Unfortunately Lundblad's fears are now verified because the locality has been totally

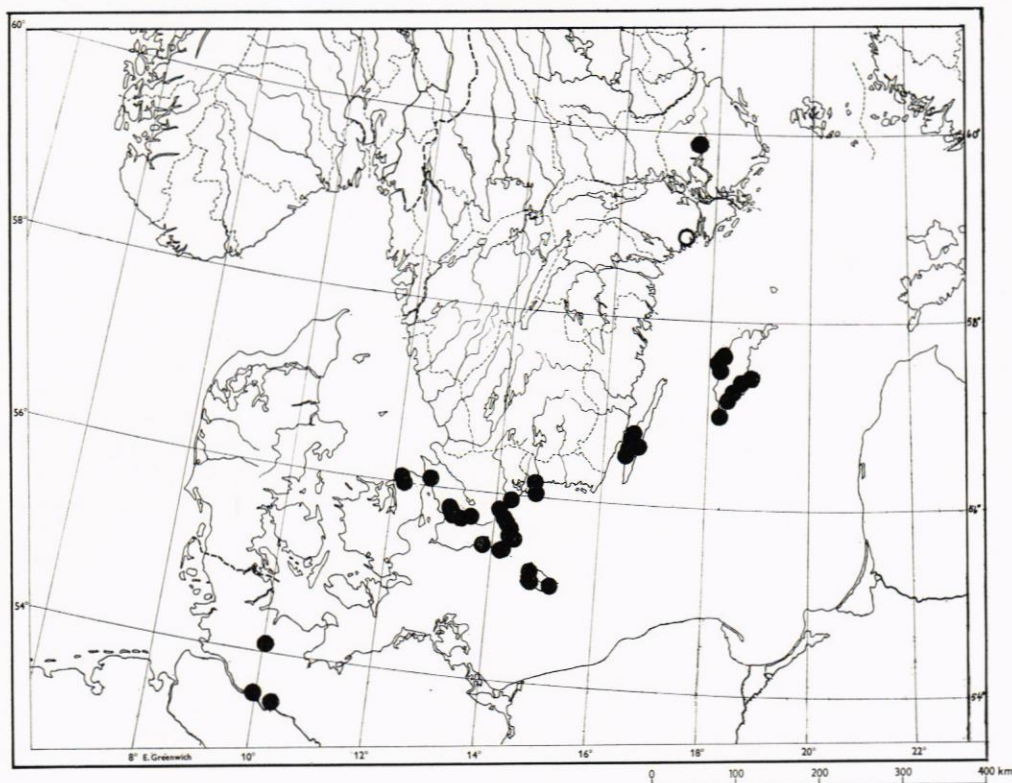


Fig. 1. The distribution of *Bembix rostrata* F. in the Scandinavian countries. Original. ○=the locality not quite known.

destroyed owing to new settlement. There are no finds from other localities in Upsala or its surroundings.

The distribution of *Bembix rostrata* seem to be in Sweden of the same type as *Philanthus triangulum* F. (Erlandsson 1962).

In the following list of localities as on the map of distribution I have included all known localities, old as well as recent ones.

The German localities are communicated by Wagner (1937).

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***Bembix rostrata* F.**

List of habitat

Sweden

Skåne (Scania): "Omkring Lund på sandfläckar i Kjefflinge Tallplantering, i Fågelsång, vid Abusa, Silfåkra" (Dahlbom 1837 p. 254); "in vicinitate urbis Lund intra Pinetum Lackalänge, in fruticetes Fågelsång et Abusa, ad villam

Silfåkra vel in floribus *Rubi caesii* intra alnetum infra arcem vel juxta littus lacus Kraken (d. 28 Augusti 1838) in aggere arenaceo 35 feminas et 3 mares sine mora D. Prof. Zetterstedt et ipse deprehendimus, ad Kiviks-Esperöd, in litore maris ad Sandhammaren inter urbes Cimbrishamn et Ystad, in Kulleberg haud procul ab urbe Helsingborg e.s.p." (Dahlbom 1843—45). Kåseberga, in campis arenosis ad K. d. 25—27/7 1851 C. H. Boheman (1851). Käflinge 5/8 1851. C. H. Boheman (1851). Åhus: Hornu 3/8 1930 (♀). D. Gaunitz, Åhus: Fårabäck, 5 km north of Åhus K. J. Hedquist. Knäbäck 10/7 1938 N. Arton (28 individuals both ♀♂). Simrishamn 22/6 1942 (3 ♂), 22/7 1949 (♀). S. Selander; 30/7 1957 (♀), 7/8 1958 (♀), 8/7 -58 (4 ♂), 19/7 -58 ♀ visiting *Thymus serpyllum*. S. Erlandsson. Gladsax: Tjörnedala 14/7 1940 (2 ♀), 22/7 1949 (♂). S. Selander. Vitaby to the north of Vitemölla 18/7 1945 (♀). G. Wängsjö. Vittskövle 10/7 1947 (3 ♂). K. J. Hedquist. Löderup several (♀♂) 1950. B. Tjeder (1954 p. 68); 19/7 1958 (♀♂) both visiting *Thymus serp.* S. Erlandsson. Ystad 16/7 1951 (♂) *Thymus serp.*, 11/7 1952 (2 ♂) *Anchusa officinalis*, 29/7 -52 (2 ♀), 6/8 -52 (♂ 3 ♀), one of the females captured in *Hierarchium umbellatum*, 1/8 1959 (♀ *Hier. umbelletum*). E. Wieslander. — Blekinge: Hällevik 10/8 1933 (♀). V. Butovitsch. Pukavik 19/7 1950 (♀). T. Gislén. — Öland: Högsrum—St. Rör 3/7 1939 (♀), 6/7 -39 (♀). A. Jansson; 8/7 1941 (3 ♀ 3 ♂), 11/7 -41 (♀ 5 ♂). E. Wieslander. Högsrum: Runnarum 6/7 1939 (♀), 7/7 -39 (♀), 13/7 -39 (♀♂), 15/7 -39 (♀), 16/7 -39 (♀), 17/7 -39 (3 ♀), 18/7 1940 (♀), 8/7 1941 (♂), 11/7 -41 (♀♂). E. Wieslander. Högsrum: Rälla 7/7 1939 (2 ♀ 5 ♂), 14/7 -39 (♀ 2 ♂). E. Wieslander. Högsrum: the road between Stugbyn—Runnarum 14/8 1941 (♀). Kj. Ander. Vickleby 7/7 1941 (♂). O. Ringdahl; 4/8 1943 (♂), 2/8 1945 (2 ♀). S. Selander; 15/7 1945 (♂). G. Winblad. Gårdby 21/5 1949 (2 ♀). N. Bruce. Glömminge: Isudden 4/7 1949 (♀). B. Tjeder. Mörbylångra 24/7 1952 (♀♂). E. Kjellander. — Gotland: Råne=Rone 7/7 1741. C. v. Linné (Dahlbom 1837 p. 254). Visby. C. H. Boheman. Alskog 3—4/7 1850 (2 ♀ 3 ♂), G. Dahlbom. Sanda 25—26/6 1858 (5 ♀ 7 ♂). G. Dahlbom. Gröttingbo 15/8 1944 (3 ♀). Kj. Ander. Vamlingbo: Rems, sand-dune 16/8 1944 (2 ♀). Kj. Ander. Vamlingbo 18/7 1956 (7 ♀ 8 ♂). O. Lundblad. Tofta, sandy beach 5/8 1944 (2 ♀). Kj. Ander; 29/6 1947 (♂). I. Svensson. Tofta 7/8 1946 (♂). T. Gislén. Gammelgarn, sandy beach 22/8 1944 (♂) Kj. Ander. — Södermanland: ♀ without information of the locality. P. Wahlberg. — Upland: ♂ without information of the locality. P. Wahlberg. Upsala 3/7 1901 (♂), 4/7 -01 (♀). A. Roman; (♀♂). O. Lundblad.

Denmark

Sjaelland: Tisvilde 26/7 1916 ?. Tibirke/Nielsen 1907 p. 37, 7/7 1942 ?.
Bornholm: Rønne 14/7 1882 ?, 18/7 1949 (♀), 14/7 1959 (2 ♀ 3 ♂). O. Lundblad. Hasle 2/7 1883. H. G. Jensen; 15/7 1949 (♂). E. Wieslander. Byaa Klitter sand-dune. Nielsen (1907 p. 37). Fredensborg, in the hotel's garden 27/6 1958 (♀ 3 ♂). S. Erlandsson. Boderne 15/7 1937. P. Solman.

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