

New or Noteworthy Distribution Records of Six Palearctic Species of Pamphiliid Sawflies (Hymenoptera)

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Abstract New or noteworthy distribution records are given of the following six pamphiliine species: *Neurotoma harai* Shinohara, 1993, from Honshu, Japan, *Onycholyda trigaria* (Konow, 1897) from Iran, *Pamphilius cilix* Konow, 1897, from southeastern Turkey, *Pamphilius norimbergensis* Enslin, 1917, from Austria and Macedonia, *Pamphilius stramineipes* (Hartig, 1837) from Armenia, and *Pamphilius thorwaldi* Kontuniemi, 1946, from Switzerland and Germany. The Iranian specimens of *O. trigaria* also represent the first definite record of the Pamphiliidae from the country.

Key words: Hymenoptera, Pamphiliidae, new distribution records, Palearctic Region.

In the course of my studies on the collections of The Natural History Museum, London (BMNH), Naturhistoriska Riksmuseet, Stockholm (NRS), Zoological Museum, Moscow State University, Moscow (ZMUM), and Zoologisches Museum, Humboldt-Universität zu Berlin (ZMB), new or noteworthy distribution records of pamphiliid sawflies from various parts of the Palearctic Region have come to my attention. They will be given in the following lines.

I wish to thank Dr. A. V. Antropov (ZMUM), Mr. T. Huddleston (BMNH), Dr. F. Koch (ZMB), and Dr. F. Ronquist (NRS), for allowing me to study the material under their charge, Dr. A. Taeger (Deutsches Entomologisches Institut, Eberswalde) for his helpful information, and Dr. S.-I. Uéno (National Science Museum, Tokyo (NSMT)) for his critical reading of the manuscript. This work is supported in part by the Grant-in-aid for Scientific Research No. 07640943 from the Ministry of Education, Science, Sports and Culture, Japan.

Neurotoma harai Shinohara, 1993

Specimen examined. JAPAN (HONSHU): 1 ♀, “Mt. Shiritaka [Tsurugimachi, Ishikawa Pref.], 12. V. 1963”, “*Neurotoma atrata* Takeuchi” (BMNH).

Distribution. Japan (Hokkaido, Honshu [new record]).

Remarks. This is the first record of *Neurotoma harai* from Honshu. This recently described species was known only from the type series (two females and

one male) obtained in Shintoku, Tokachi, central Hokkaido (Shinohara, 1993). The Honshu specimen is quite similar to the holotype and agrees well with the original description.

Onycholyda trigaria (Konow, 1897)

Specimens examined. IRAN: 1 ♀, 1 ♂, "3. V. Höhe: 800, Elburz, Persien, Tal Kuramabad [=Khorramabad?], Col. G. Heinrich" (BMNH); 1 ♀, "3. V[?]. 27, Höhe: 400, Elburz, Persien, S. Kuramabad, Col. G. Heinrich", "*Pamphilius trigarius* Konow, ♀, det. R. B. Benson, 1967" (NSMT); 2 ♀, 2 ♂, same data (ZMB); 1 ♀, "Iran, Resht, 10. V. 937; Zhenzhurist", "*Pamphilius trigarius* Knw ♀, A. Zhelochovtsev det. '938" (ZMUM).

Distribution. Northern Caucasia, Transcaucasia ("Talysch", Armenia) (Shinohara, 1988 a). Iran.

Remarks. *Onycholyda trigaria* was described from "Transkaukasien (Talysch)" (Konow, 1897), which is probably on the northern side of Talyshskiye Gory, or the Talish Mountains, along the borders of Azerbaijan and Iran. The specimens from Resht [=Rasht] and the Elburz Mountains listed above represent the first definite record of the species, and also of the family Pamphiliidae, from Iran.

The female from Resht has much more distinct surface microsculpture than the other specimens examined. The impunctate area or interspaces between punctures on the head and thorax are distinctly coriaceous, whereas they are generally smooth in the others. The Resht specimen also has darker wings with distorted margins, which may suggest that the specimen is either somewhat malformed or affected by some chemicals.

Pamphilius cilix Konow, 1897

Specimen examined. TURKEY: 1 ♀, "Syria, Mts. Amanus, V. 1902, Escalera", "336/70", "*P. cilix* Knw., ♀, det. Beneš, 1970" (NRS).

Distribution. Turkey (Toros Daglari, Gâvur Daglari).

Remarks. This species was known only from two females collected on the Cilician Taurus Mountains (Toros Daglari) in Turkey (Shinohara, 1991). The female given above, the third specimen ever recorded, is labeled "Syria, Mts. Amanus", which is a mountain range now known as Gâvur Daglari at the southeastern corner of Turkey close to the Syrian border. Cmoluch & Piotrowski's (1975) record of *P. cilix* from Lublin, Poland, needs confirmation.

The specimen from "Mt. Amanus" is a pale specimen, having the postocular areas orange as in Enslin's specimen (fig. 9 H in Shinohara, 1991), the antennal scape mainly orange, only obscurely blackish ventrally, and the 2nd and 5th

sterna medially orange.

Pamphilius norimbergensis Enslin, 1917

Specimens examined. AUSTRIA: 1 ♀, "Wien, Unter[?]", "*P. alternans* A. Costa, Malaise det." (NRS). MACEDONIA: 1 ♀, "Mazedonien, 5 km östl. Makazi, 1100 m, 9.6.79, leg. Aspöck" (ZMB).

Distribution. Europe: Germany, Croatia, Yugoslavia (Montenegro), Bulgaria (Shinohara & Taeger, 1990). Austria [new record], Macedonia [new record].

Remarks. The above specimens represent the first records of *P. norimbergensis* from Austria and Macedonia. Liston (1987) recorded this species from Switzerland, but the specimen in question was in fact *P. thorwaldi* Kontuniemi (Taeger, personal communication, 1991; Pschorn-Walcher & Taeger, 1995). Liston (1995) did not include Switzerland in the distribution of *P. norimbergensis*.

Pamphilius stramineipes (Hartig, 1837)

Specimens examined. ARMENIA: 1 ♂, "Armenia, Razdan, 10.6.77" (ZMB).

Distribution. Europe to western Siberia, Sakhalin, Japan (Hokkaido), Southern Kuriles (Etorofu Is., Kunashiri Is.) (Shinohara & Hara, 1991). Armenia [new record].

Remarks. This widely distributed species has not been recorded from Transcaucasia. The male specimen from Armenia has a light-colored abdomen; black are only the propodeum, 2nd tergum (except for very narrow lateral margins), narrow irregular band along the anterior margin of each of the 3rd, 7th and 8th terga, obscure lateral spots at the anterior margin of the 4th tergum, 2nd sternum (except for posterior margin), and obscure marking around each spiracle.

Pamphilius thorwaldi Kontuniemi, 1946

Specimens examined. SWITZERLAND: 1 ♀, "Switzerland, Vitznau, May 3–June 18, 1912, R. E. Turner, 1912-394", "*Pamphilius stramineipes* det. Morice", "*Pamphilius thorwaldi* Kontuniemi, det. R. B. Benson, 1947" (BMNH). GERMANY: 1 ♀, "Germany, Einbeck, reared from larva, 6. VIII. 1962, R04H5N2, BM1963-756", "ex larva on *Lonicera xylostei*"; 1 ♀, 1 ♂, "Einbeck", "*Pamphilius thorwaldi* Kont., det. Beneš, 70" (BMNH).

Distribution. Europe: Finland, Germany, Czech, Austria (Shinohara & Taeger, 1990). Switzerland (Pschorn-Walcher & Taeger, 1995).

Remarks. Only a few specimens have been collected in Switzerland and Germany. Each of the three female specimens examined has a pair of elongate pale spots on the mesoscutal middle lobe. In his key to the species related to *P. stramineipes* (Hartig, 1837), Shinohara (1988 b) used the absence of these spots for separating the female of *P. thorwaldi* from that of the closely related East Asian species *P. lobatus* Maa, 1950. Now this character has been found unstable and the females cannot be clearly differentiated by the key. Shinohara (1988 b) recognized slight differences also in males, but he examined only two males of *P. thorwaldi* from Finland. The relationship of these two closely allied allopatric forms should be re-examined when more material becomes available.

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