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SHORT COMMUNICATION

On records of *Dryophilus forticornis* Abeille de Perrin, 1875 (Coleoptera: Ptinidae) from Italy and Croatia

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Abstract

Dryophilus forticornis Abeille de Perrin, 1875 (Coleoptera: Ptinidae) is excluded from the faunas of Italy and Croatia, from where it was erroneously reported in the past.

Key words: Balkans, Dryophilinae, faunistics, Near East, Sicily.

Zusammenfassung

Dryophilus forticornis Abeille de Perrin, 1875 (Coleoptera: Ptinidae) wird für die Fauna Italiens und Kroatiens ausgeschlossen, von woher diese Art fälschlicherweise berichtet wurde.

The object of this note is to discuss the occurrence of *Dryophilus forticornis* Abeille de Perrin, 1875 in Italy and Croatia, chiefly in view of the forthcoming new edition of the checklist of Italian Bostrichoidea (NARDI, in preparation).

Author's interpolations are given in square brackets.

Dryophilus forticornis Abeille de Perrin, 1875

- Dryophilus* [(*Dryophilus*)] *forticornis* Abeille de Perrin, 1875: ABEILLE DE PERRIN 1875: 212.
Dryophilus forticornis [Abeille de Perrin, 1875]: KIESENWETTER 1877: 94.
Dryophilus (*Homophthalmus*) *forticornis* Abeille [de Perrin]: REITTER 1883: 122; HEYDEN 1891: 459.
Dryophilus forticornis Abeille [de Perrin]: RAGUSA 1896: 90, footnote.
Dryophilus [(*Dryophilus*)] *forticornis* Abeille [de Perrin]: SCHILSKY 1898: 12–12a.
Dryophilus [(*Dryophilus*)] *forticornis*: SCHILSKY 1899: 36 U.
Dryophilus (*Dryophilus*) *forticornis* Ab.: REITTER 1901: 9; WINKLER 1927: 799; LUIGIONI 1929: 644; PORTA 1929: 431.
Dryophilus (*Dryophilus* in. sp.) *forticornis* Ab.: HEYDEN 1906: 427.
Dryophilus forticornis Ab.: PIC 1912: 11; BODENHEIMER 1932: 58, 1937: 132; NOVAK 1952: 198; ESPAÑOL 1977: 6.
Dryophilus (in. sp. [= *Dryophilus*]) *forticornis* Ab.-Perr.: JACOBSON 1915: 818.
Dryophilus forticornis Abeille de Perrin: HALPERIN & ESPAÑOL 1978: 7.
Dryophilus forticornis Abeille de Perrin, 1875: AUDISIO et al. 1995: 8; SPARACIO 1997: 83; ZAHRADNÍK et al. 2000: 309; ZAHRADNÍK 2007: 348; TOSKINA 2013: 39; NARDI 2014: 45, 2015: 90; AUDISIO et al. 2015; ZAHRADNÍK 2016: 102; LOMPE 2020.

Dryophilus forticornis was described on the basis of about fifteen female syntypes from “Jaffa, Beyrouth, Mersina (Syrie)” (ABEILLE DE PERRIN 1875: 212); these cit-

ies now belong, respectively, to Israel, Lebanon and Asiatic Turkey. Since a lectotype has not been designated, the type locality encompasses the three above cities (ICZN 1999: Article 73.2.3).

This species was, until present, recorded from Croatia (cf. ZAHRADNÍK 2016), Italy, Cyprus, Israel, Lebanon, Syria, and Asiatic Turkey (ZAHRADNÍK et al. 2000; ZAHRADNÍK 2007, 2016), whereas the old generic record for “M [= Méditerranéen = Mediterranean Sea]” by BODENHEIMER (1937) is arbitrarily extensive.

Adults of this species have been collected by beating dead branches and flowering shrubs (ABEILLE DE PERRIN 1875) and with light traps (BODENHEIMER 1932). No other data are available on its ecology.

KIESENWETTER (1877: 94) provided the sole precise Italian locality for this species: “Messina [Sicily]”. Nevertheless, as stated by RAGUSA (1896), KIESENWETTER (1877) simply listed the toponyms given in the original description of the species (ABEILLE DE PERRIN 1872), but erroneously wrote “Messina” instead of “Mersina (Syrie)”.

This correction by RAGUSA (1896) was later overlooked, with few exceptions (i.e., SCHILSKY 1899; REITTER 1901; BERTOLINI 1904; JACOBSON 1915; HALPERIN & ESPAÑOL 1978; ZAHRADNÍK 1998), and the species was repeatedly mentioned generically from Sicily (SCHILSKY 1898; HEYDEN 1906; PIC 1912; WINKLER 1927; LUIGIONI 1929; PORTA 1929; AUDISIO et al. 1995; SPARACIO 1997; ZAHRADNÍK et al. 2000; AUDISIO et al. 2015) or Italy (ZAHRADNÍK 2002; TOSKINA 2013; LOMPE 2020), and it was consequently included also in the Red Lists of Italian saproxylic beetles (NARDI 2014, 2015). In reality, *D. forticornis* must be excluded from the Italian fauna, since no specimen from Italy has so far been recorded (see above) or examined (F. ANGELINI & G. NARDI, unpublished data).

ZAHRADNÍK (2016) listed this species also from Croatia, but only on the basis of the catalogues of REITTER (1883) and HEYDEN (1891), and based on NOVAK (1952). REITTER (1883) and HEYDEN (1891) recorded the species only from Dalmatia (without further details); this historical geographic region is currently divided between Croatia, Montenegro and, for a small part, Bosnia and Herzegovina. Nevertheless, in a following edition of one of the above catalogues (HEYDEN 1906), *D. forticornis* was listed only from Sicily. NOVAK (1952) referred to an old (1885) record from the island of Hvar (= Lesina) in Croatian Dalmatia based on a colleague's card index. However, this record of *D. forticornis* appears incorrect, as this species is absent in other parts of the Balkans (ZAHRADNÍK 2015, 2016), and the island of Hvar (Croatia) would be a north-western station disjoined from the rest of its range; zoogeography suggests that this species is endemic to the Near East (cf. VIGNA TAGLIANTI et al. 1999: 38).

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References

- ABEILLE DE PERRIN, E. (1875): Synopsis des *Dryophilus* du bassin de la Méditerranée. – Annales de la Société Entomologique de France (5) 5: 207–212.
- AUDISIO, P., GOBBI, G., LIBERTI, G. & NARDI, G. (1995): Coleoptera Polyphaga IX (Bostrichoidea, Cleroidea, Lymexyloidea). – In: MINELLI, A., RUFFO, S. & LA POSTA, S. (eds.), Checklist delle specie della fauna italiana 54, 27 pp.; Bologna (Calderini). [Available from: <https://www.faunaitalia.it/checklist/introduction.html>]
- AUDISIO, P., ALONSO ZARAZAGA, M., SLIPINSKI, A., NILSSON, A., JELÍNEK, J., VIGNA TAGLIANTI, A., TURCO, F., OTERO, C., CANEPARI, C., KRAL, D., LIBERTI, G., SAMA, G., NARDI, G., LÖBL, I., HORÁK, J., KOLIBAC, J., HÁVA, J., SAPIJEWSKI, M. (†), JÁCH, M., BOLOGNA, M., BIONDI, M., NIKITSKY, N., MAZZOLDI, P., ZAHRADNÍK, P., WĘGRZYŃOWICZ, P., CONSTANTIN, R., GERSTMAYER, R., ZHANTIEV, R., FATTORINI, S., TOMASZEWSKA, W., RÜCKER, W., VAZQUEZ-ALBALADE, X., CASSOLA, F., ANGELINI, F., JOHNSON, C., SCHAWALLER, W., REGALIN, R., BAVIERA, C., ROCCHI, S., CIANFERONI, F., BEENEN, R., SCHMITT, M., SASSI, D., KIPPENBERG, H., ZAMPETTI, M., TRIZZINO, M., CHIARI, S., CARPANETO, G., SABATELLI, S. & DE JONG, Y. (2015): Fauna Europaea: Coleoptera, 2, (excl. Series Elateriformia, Scarabaeiformia, Staphyliniformia and superfamily Curculionoidea). – Biodiversity Data Journal 3: e4750. <https://doi.org/10.3897/BDJ.3.e4750>
- BERTOLINI, S. (1904): Catalogo dei Coleotteri d'Italia, 144 pp.; Siena (Rivista Italiana di Scienze Naturali).
- BODENHEIMER, F. S. (1932): Studies on the ecology of Palestinian Coleoptera: I. Coleoptera at light-traps. – Bulletin de la Société Royale Entomologique d'Égypte 16 (1–2): 52–65.
- BODENHEIMER, F. S. (1937): Prodrum faunae Palaestinae. Essai sur les éléments zoogéographiques et historiques du sud-ouest du sous-règne Paléarctique. – Mémoires de l'Institut d'Égypte 33: 1–286.
- ESPAÑOL, F. (1977): Sobre algunos Anobiidae (Col.) de Turquía recogidos por el Dr. W. Wittmer (nota 78). – Mediterránea. Serie de Estudios sobre Biología Terrestre Mediterránea 2: 5–11.
- HALPERIN, J. & ESPAÑOL, F. (1978): The Anobiidae (Coleoptera) of Israel and Near East. – Israel Journal of Entomology 12: 5–18.
- HEYDEN, L. VON (1891): Byrrhidae. – In: HEYDEN, L. VON, REITTER, E. & WEISE, J. (eds.): Catalogus coleopterorum Europae, Caucasi et Armeniae rossicae. Auctoribus Dr. L. v. Heyden, E. Reitter & J. Weise cum aliis sociis coleopterologicis. Edidit Edmund Reitter, pp. 459–466; Berlin (R. Friedländer & Sohn); Mödling (Edmund Reitter); Caen (Revue d'Entomologie).
- HEYDEN, L. VON (1906): Anobiidae. – In: HEYDEN, L. VON, REITTER, E. & WEISE, J. (eds.): Catalogus coleopterorum Europae, Caucasi et Armeniae rossicae. Auctoribus Dr. L. v. Heyden, E. Reitter & J. Weise cum aliis sociis coleopterologicis. Editio secunda. Edidit Edmund Reitter, pp. 423–432; Berlin (R. Friedländer & Sohn); Paskau (Edmund Reitter); Caen (Revue d'Entomologie).
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE [ICZN] (1999): International Code of Zoological Nomenclature. Fourth edition adopted by the International Union of Biological Sciences, XXIX + 306 pp.; London (International Trust for Zoological Nomenclature).
- JACOBSON, G. G. (1915): Zhuki Rosii i zapodnoj Evropy, 1024 pp.; St.-Petersburg (A.F. Devrien) (1905–1915). [In Russian.]
- KIESENWETTER, E. A. H. VON (1877): Naturgeschichte der Insecten Deutschlands begonnen von Dr. W.F. Erichson, fortgesetzt von Prof. Dr. H. Schaum, Dr. G. Kraatz, H.v. Kiesenwetter, Julius Weise, Edm. Reitter und Dr. G. Seidlitz. Erste Abtheilung. Coleoptera. Fünfter Band. Erste Hälfte, 200 pp.; Berlin (Nicolai).
- LOMPE, A. (2020): Die Käfer Europas. Ein Bestimmungswerk im Internet. Version: 3.6.2 (27.05.2020). Available from: <http://coleonet.de/coleo/index.htm> (accessed 8 June 2020).
- LUIGIONI, P. (1929): I Coleotteri d'Italia. Catalogo sinonimico-topografico-bibliografico. – Memorie della Pontificia Accademia delle Scienze, I Nuovi Lincei (2) 13: [4 +] 1–1159 [+ 1].
- NARDI, G. (2014): Famiglia Ptinidae (including Anobiinae), appendice 1 e schede tecniche on line (www.iucn.it). – In: AUDISIO, P., BAVIERA, C., CARPANETO, G. M., BISCACCANTI, A. B., BATTISTONI, A., TEOFILI, C. & RONDININI, C. (eds.): Lista Rossa IUCN dei Coleotteri saproxilici italiani, pp. 120–122; Rome (Comitato italiano IUCN e Ministero dell'Ambiente e della Tutela del Territorio e del Mare).
- NARDI, G. (2015): Ptinidae. – In: CARPANETO, G. M., BAVIERA, C., BISCACCANTI, A. B., BRANDMAYR, P., MAZZEI, A., MASON, F., BATTISTONI, A., TEOFILI, C., RONDININI, C., FATTORINI, S. & AUDISIO, P. (eds.), A Red List of Italian Saproxyllic Beetles: taxonomic overview, ecological features and conservation issues (Coleoptera). Fragmenta Entomologica 47 (2): 89–91.

- NOVAK, P. (1952): Korniaši Jadranskog Primorja (Coleoptera), 521 pp.; Zagreb (Jugoslavenska Akademija Znanosti i Umjetnosti).
- PIC, M. (1912): Anobiidae. – In: SCHENKLING, S. (ed.), *Coleopterorum Catalogus*, vol. 10 (1910–1938) pars 48, pp. 1–91; Berlin (W. Junk).
- PORTA, A. (1929): *Fauna Coleopterorum Italica*. III. *Diversicornia*, 466 pp.; Piacenza (Stabilimento Tipografico Piacentino).
- RAGUSA, E. (1896): *Catalogo ragionato dei Coleotteri di Sicilia*. – *Il Naturalista Siciliano* (N. S.) **1** (1–7): 69–106.
- REITTER, E. (1883): Byrrhidae. – In: HEYDEN, L. VON, REITTER, E. & WEISE, J. (eds.): *Catalogus Coleopterorum Europae et Caucasi*. Editio Tertia, pp. 122–124; London (E. Janson), Berlin (Nicolai), Paris (L. Buquet).
- REITTER, E. (1901): Analytische Uebersicht der palaearctischen Gattungen und Arten der Coleopteren – Familien: Byrrhidae (Anobiidae) und Cioidae. – *Verhandlungen des naturforschenden Vereines in Brünn* **40**, 3–64.
- SCHILSKY, J. (1898): *Die Käfer Europa's. Nach der Natur beschrieben von Dr. H.C. Küster und Dr. G. Kraatz*. Fortgesetzt von J. Schilsky. Fünfunddreissigstes Heft, VIII + 100 nrs. [each on 1 to 4 sheets] + [43] pp. [= 355 pp.]; Nürnberg (Bauer und Raspe [Emil Küster]).
- SCHILSKY, J. (1899): *Die Käfer Europa's. Nach der Natur beschrieben von Dr. H.C. Küster und Dr. G. Kraatz*. Fortgesetzt von J. Schilsky. Sechsunnddreissigstes Heft, IV + 100 nrs. [each on 1 to 5 sheets] + [54] pp. [= 354 pp.]; Nürnberg (Bauer und Raspe [Emil Küster]).
- SPARACIO, I. (1997): *Mediterraneo 4. Coleotteri di Sicilia. Parte seconda*, 208 pp.; Palermo (L'Epos).
- TOSKINA, I. N. (2013): A new Palaearctic species and keys to species of two genera of the subfamily Dryophilinae (Coleoptera: Ptinidae). – *Byulleten' Moskovskogo Obshchestva Ispytatelei Prirody Otdel Biologicheskii* **118** (1): 37–42. [In Russian.]
- VIGNA TAGLIANTI, A., AUDISIO, P. A., BIONDI, M., BOLOGNA, M. A., CARPANETO, G. M., DE BIASE, A., FATTORINI, S., PIATTELLA, E., SINDACO, R., VENCHI, A. & ZAPPAROLI, M. (1999): A proposal for a chorotype classification of the Near East fauna, in the framework of the Western Palearctic region. *Biogeographia* (N. S.) **20**: 31–59.
- WINKLER, A. (1927): Anobiidae. – In: WINKLER, A. (ed.), *Catalogus Coleopterorum regionis palaearcticae*. I. A. Caraboidea, B. Palpicornia, Staphylinoidea, C. Diversicornia. Pars 7, pp. 798–809; Wien (Albert Winkler).
- ZAHRADNÍK, P. (1998): Anobiidae of Turkey (Coleoptera). – *Klapalekiana* **34**: 263–286.
- ZAHRADNÍK, P. (2007): Ptinidae (without Gibbiinae and Ptiniinae). – In: LÖBL, I. & SMETANA, A. (eds.): *Catalogue of Palaearctic Coleoptera*. Elateroidea - Derodontoidea - Bostrichoidea - Lymexyloidea - Cleroidea - Cucujoidea. Volume 4, pp. 339–362 Stenstrup (Apollo Books).
- ZAHRADNÍK, P. (2015): Ptinidae of Greece (Coleoptera: Bostrichoidea) - a commented checklist with descriptions of new species. *Folia Heyrovskyana*, series A **23** (2): 151–200.
- ZAHRADNÍK, P. (2016): A check-list of Ptinidae (Coleoptera: Bostrichoidea) of the Balkan Peninsula. *Folia Heyrovskyana*, Series A **24** (2): 91–140.
- ZAHRADNÍK, P., CHIKATUNOV, V. & PAVLIČEK, T. (2000): *Catalogue of beetles (Coleoptera) in Israel and adjacent areas*. 2. Anobiidae. *Klapalekiana* **36**: 307–319.

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