

NOTA / NOTE

First record of *Pharaphodius cornutus* (Wiedemann, 1823)
(Coleoptera: Scarabaeidae: Aphodiinae) from Pakistan.Zubair Ahmed¹, Marco Dellacasa² & Syed Anser Rizvi³

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Abstract: *Pharaphodius cornutus* (Wiedemann, 1823) (Coleoptera: Scarabaeidae: Aphodiinae) is reported for the first time from Pakistan. Distribution with precise locality is also supplied.

Key words: Coleoptera, Scarabaeidae, Aphodiinae, *Pharaphodius cornutus*, first record, Pakistan.

Resumen: Primera cita de *Pharaphodius cornutus* (Wiedemann, 1823) (Coleoptera: Scarabaeidae: Aphodiinae) en Pakistán. *Pharaphodius cornutus* (Wiedemann, 1823) (Coleoptera: Scarabaeidae: Aphodiinae) es citado por primera vez de Pakistán. Se aporta también su distribución precisa.

Palabras clave: Coleoptera, Scarabaeidae, Aphodiinae, *Pharaphodius cornutus*, primera cita, Pakistán.

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The family Scarabaeidae is multitudinous among scarab beetles with over 30,000 species described worldwide (Krajčičk, 2012). The subfamily Aphodiinae contains small dung beetles (length 2-18 mm) distinguishable by the body more or less elongate; the head always with dilated clypeus usually covering most mouthparts; the mandibles usually reduced and membraneous, rarely sclerotized; the antennae with 9 segments; the elytra nearly or entirely covering pygidium and the metatibiae with 2 apical spurs.

The fauna of Aphodiinae of Pakistan is inadequately known. The genus *Pharaphodius* Reitter, 1892 contains 21 species from Palaearctic region (Löbl & Smetana, 2006), being only three species reported from Pakistan. Chaudhry et al. (1966) and Hashmi & Tashfeen (1992) listed some species of aphodine beetles but genus *Pharaphodius* and species *P. cornutus* (Wiedemann, 1823) were not included.

The following distribution is not precise regarding the localities, therefore precise data is first time reported with first record for this country.

***Pharaphodius cornutus* (Wiedemann, 1823)**

Distribution: **INDIA:** no more precise locality: Dejean, 1833, 1836; Lacordaire, 1856; Krajčičk, 2012; **Bengal:** Wiedemann, 1823; Harold, 1869; Schmidt, 1907, 1910a, b; Dellacasa M., 1988; Chandra, 1999; Calcutta: Dellacasa G., 1977; **Goa:** Král & Sipek, 2013; **Maharashtra:** Král & Sipek, 2013; **Rajasthan:** Král & Sipek, 2013; **Uttarakhand:** Král & Sipek, 2013; Dehra-Dun: Dellacasa G., 1977; **NEPAL:** Kathmandu: Stebnicka, 1986. Recorded also from Afghanistan (Král & Sipek, 2013) and China (Lacordaire, 1856).

Material examined: PAKISTAN: SWAT DISTR., Khyber Pakhtoon Khwa province, Lower Dir, Tehsil Timergara, village Thrai, 34°49'37"N, 71°50'27"E, 25.VI.2011, 1 ex. male, at lights of an hotel at road, Z. Ahmed leg.

Literature cited

- Chandra, K. 1999. Annotated check-list of Aphodiinae from India. *Records of the Zoological Survey of India*, **97** (Pt-2): 87-108.
- Chaudhry, G.-U.; Chaudhry, M.I. & Khan, S.M. 1966. *Survey of insect fauna of forests of Pakistan*. Final technical report. Biological Sciences Research Division. Pakistan Forest Institute, Peshwer. 167 pp.
- Dejean, P.F.M.A. 1833. *Catalogue des Coléoptères de la collection de M. le Comte Dejean* (2ème Edition, deuxième livraison). (Mequignon-Marvis p. & f.), Paris [1834]: 97-176.
- Dejean, P.F.M.A. 1836. *Catalogue des Coléoptères de la collection de M. le Comte Dejean*. (3me Ed., revue, corrigée et augmentée). (Mequignon-Marvis p. & f.), Paris, 1-4: 1-384.
- Dellacasa, G. 1977. Studi di sistematica sugli Aphodiinae. IV. *Aphodius* (s. str.) *elongatulus* Fabr.; *Aphodius* (*Pharaphodius*) *robustus* Walk., *cornutus* Wied. e *pereirai* Balth. *Annali del Museo civico di Storia Naturale "G. Doria"*, **81**: 313-320.
- Dellacasa, M. 1988. Contribution to a world-wide Catalogue of Aegialiidae, Aphodiidae, Aulonocnemidae, Termitotrogidae. (Part I). *Memorie della Società entomologica italiana*, **66** [1987]: 1-455.
- Harold, E. 1869. In: Gemminger, M. & Harold, E. *Catalogus Coleopterorum hucusque descriptorum synonymicus et systematicus. Scarabaeidae*. (Gummi E. H.), Monachia, 4: 979-1346.
- Hashmi, A.A. & Tashfeen, A. 1992. Coleoptera of Pakistan. *Proceedings of Pakistan Congress of Zoology*, **12**: 133-170.
- Krajčák, M. 2012. Checklist of the World Scarabaeoidea. *Animma.X*, suppl. 5: 1-278.
- Král, D. & Sipek, P. 2013. Aphodiinae of the Goa, Maharashtra and Rajasthan (India) with description of *Aphodius* (*Gilletianus*) *rajawatorum* sp. nov.. *Acta Entomologica Musei nationalis Pragae*, **53**(2): 633-648.
- Lacordaire, J.T. 1856. *Histoire naturelle des Insectes. Genera des Coléoptères ou exposé méthodique et critique de tous le genres proposés j'usqu'ici dans cet ordre d'insectes*. (Roret), Paris, 3: 1-594.
- Löbl, I. & Smetana, A. (Ed.), 2006. *Catalogue of Palaearctic Coleoptera*. Vol. 3. Apollo Books, Stenstrup: 1-690.
- Schmidt, A. 1907. Zusammenstellung der bis 1906 beschriebenen Aphodiinen. *Deutsche entomologische Zeitschrift (Beilage)*, 1-141.
- Schmidt, A. 1910a. Aphodiinae. *Coleopterorum Catalogus auspiciis et auxilio W. Junk, editus a S. Schenkling*. (Junk W.), Berlin, 20: 1-111. LN 1607
- Schmidt, A. 1910b. *Coleoptera Lamellicornia Aphodiinae*. In: Wytzman, P. *Genera Insectorum*. Tervuren, 110: 1-155.
- Stebnicka, Z. 1986. Revision of the Aphodiinae of the Nepal-Himalayas. *Stuttgarter Beiträge zur Naturkunde. Serie A (Biologie)*, **397**: 1-51.
- Wiedemann, C.R.W. 1823. Zweihundert neue Käfer von Java, Bengalen und dem Vorgebirge der guten Hoffnung. (*Wiedemann*) *Zoologisches Magazin*, **2**(1): 1-133.