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A catalogue of the Bradynobaenidae (Hymenoptera, Vespoidea) of Eritrea

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A b s t r a c t : The family Bradynobaenidae is represented by four species of the subfamily Apterogyninae in Eritrea. The species of the genera *Apterogyna* LATREILLE, 1809 (one species), *Macroocula* PANFILOV, 1954 (two species) and *Micatagla* ARGAMAN, 1994 (one species) are catalogued.

K e y w o r d s : Bradynobaenidae, Apterogyninae, *Apterogyna*, *Macroocula*, *Micatagla*, catalogue, Eritrea

Introduction

Recently the world species of the family Bradynobaenidae have been listed by PAGLIANO & ROMANO (2018). In the Afrotropical region this family is only represented by the subfamily Apterogyninae, which was revised by PAGLIANO (2002). The hosts are unknown.

Until now, four species representing the genera *Apterogyna* LATREILLE, 1809 (one species), *Macroocula* PANFILOV, 1954 (two species) and *Micatagla* ARGAMAN, 1994 (one species) have been recorded from Eritrea.

Abbreviations

Afr. reg..... Afrotropical region
 cat..... catalogue
 descr..... description
 fig. (figs) figure(s)
 pl. plate
 syn..... synonym
 tax. taxonomy
 typ. gen..... typus generis

Annotated catalogue

Subfamily **A p t e r o g y n i n a e*****Apterogyna latreillei* KLUG, 1829**

Apterogyna latreillei KLUG, 1829: GRIBODO 1884: 392 (tax., Assab).

Apterogyna latreillei KLUG, 1829: ANDRÉ 1900 (In: ANDRÉ 1899-1903): 72-3 (key ♂, descr. ♂, Eritrea (not Ethiopia)).

Apterogyna latreillei KLUG, 1829: MAGRETTI 1906: 25 (key), 37 (tax., Ghinda, Keren), 86 (cat. Eritrea).

Apterogyna latreillei KLUG, 1829: BISCHOFF 1920: 35 (key ♂), 36 (key ♀), 41 (tax., Assab, Ghinda).

Apterogyna latreillei KLUG, 1829: BISCHOFF 1921: pl. 4 (figs 7a, b).

Apterogyna latreillei KLUG, 1829: INVREIA 1951: 152 (key ♀), 153 (key ♂), 165 (tax., descr. ♀ ♂, Eritrea without locality).

Apterogyna latreillei KLUG, 1829: INVREA 1957: 327 (world cat.).

Utapiotoca latreillei (KLUG, 1829): ARGAMAN 1994: 48 (tax., typ. gen., Assab, world cat.), 58 (fig. 34).

Apterogyna latreillei KLUG, 1829: PAGLIANO 2002: 34 (key ♂ Afr. reg.), 35-6 (key ♀ Afr. reg.), 70 (tax., descr. ♀ ♂, figs 27, 28, Assab, Ghinda, 71 (figs 29a, b), 72 (figs 30a, b, 31), 74 (fig. 32), 344 (map 17: Eritrea under Ethiopia), 377 (world cat.).

Apterogyna latreillei KLUG, 1829: PAGLIANO & ROMANO 2018: 18 (world cat. (Eritrea under Ethiopia), fig. 2).

D i s t r i b u t i o n : Assab, Ghinda, Keren.

Apterogyna latreillei is known from the Afrotropical (Angola, Eritrea, Ethiopia, Somalia) and Palaearctic (Egypt, Israel, Lybia, Oman, Syria) regions. The record from Eritrea is not mentioned in DE DALLA TORRE (1897: 4) and ANDRÉ (1903: 6).

***Macroocula morawitzi* (RADOSKOWSKI, 1885)**

Apterogyna morawitzi RADOSKOWSKI, 1885: BISCHOFF 1920: 36 (key ♀), 45 (tax., Gash).

Apterogyna morawitzi RADOSKOWSKI, 1885: INVREA 1936: 117 (tax., Gahare).

Macroocula morawitzi (RADOSKOWSKI, 1885): INVREA 1957: 328 (world cat. (Eritrea under Sudan)).

Macroocula morawitzi (RADOSKOWSKI, 1888 (!)): ARGAMAN 1994: 42 (tax.), 46 (world cat. (Eritrea under Sudan)), 56 (figs 10-13).

Macroocula morawitzi (RADOSKOWSKI, 1887 (!)): PAGLIANO 2002: 135 (key ♀), 166 (tax., descr. ♀ ♂, figs 68a, b, Eritrea without locality (under Sudan)), 167 (fig. 69), 335 (map 8: Eritrea under Sudan), 379 (world cat. (Eritrea under Sudan)).

Macroocula morawitzi (RADOSKOWSKI, 1887 (!)): PAGLIANO & ROMANO 2018: 24 (world cat. (Eritrea under Sudan), fig. 24).

D i s t r i b u t i o n : Gahare, Gash.

Macroocula morawitzi is known from the Afrotropical (Eritrea, Ethiopia, Somalia, Sudan) and Palaearctic (Afghanistan, Egypt, Iran, Pakistan, Uzbekistan) regions. The locality "Gash" could be situated also in Sudan.

***Macroocula savignyi* (KLUG, 1829)**

Apterogyna savignyi KLUG, 1829: INVREA 1936: 117 (tax., Gahare).

Apterogyna savignyi KLUG, 1829: INVREIA 1951: 152 (key ♀), 153 (key ♂), 154 (tax., descr. ♀ ♂, Ethiopia partim).

Apterogyna savignyi KLUG, 1829: INVREA 1953: 217 (tax., Ethiopia partim).

Apterogyna savignyi KLUG, 1829: INVREA 1963: 10 (tax., Ethiopia partim), 10 (figs 2a, b (Gahare), c).

Doryleika savignyi (KLUG, 1829): ARGAMAN 1994: 46 (tax.), 51 (key ♀, Eritrea under Ethiopia), 56 (fig. 16).

Macroocula savignyi (KLUG, 1829): PAGLIANO 2002: 20 (figs 9, 10), 134 (key ♂), 135 (key ♀), 186 (figs 29a, b), 187 (tax., descr. ♀ ♂, Gahare), 337 (map 10: Eritrea under Ethiopia), 379 (world cat.).

Macroocula savignyi (KLUG, 1829): PAGLIANO & ROMANO 2018: 25 (world cat. (Eritrea under Ethiopia)).

D i s t r i b u t i o n : Gahare.

Macroocula savignyi is known from the Afrotropical (Djibouti, Eritrea, Ethiopia, Mali, Niger, Nigeria, Somalia, Sudan) and Palaearctic (Algeria, Egypt, Iran, Israel, Morocco, Oman, Pakistan, Saudi Arabia, Yemen) regions. The record from Eritrea is not mentioned in INVREA (1957: 329).

***Micatagla gestroi* (BISCHOFF, 1920)**

Apterogyna gestroi n.sp.: BISCHOFF 1920: 34 (key ♂), 37 (descr. ♂, Massawa).

Apterogyna gestroi BISCHOFF, 1920: INVREA 1957: 327 (world cat.).

Micatagla gestroi (BISCHOFF, 1920): PAGLIANO 2002: 15 (figs 3, 5), 75 (fig. 34), 218 (key ♂), 256 (tax., descr. ♂, Massawa), 257 (fig. 99), 313 (fig. 129), 355 (map 28: Eritrea under Ethiopia).

Micataglia gestroi (BISCHOFF, 1920): PAGLIANO & ROMANO 2013: 38 (key ♂), 39 (figs 42, 43).

Micataglia gestroi (BISCHOFF, 1920): PAGLIANO & ROMANO 2018: 28 (world cat. (Eritrea under Ethiopia)).

D i s t r i b u t i o n : Massawa.

Micataglia gestroi, which is not mentioned in ARGAMAN (1994), is also recorded from Kenya.

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Zusammenfassung

Die Familie Bradynobaenidae ist in Eritrea mit vier Arten der Unterfamilie Apterogyninae vertreten. Bis jetzt konnten die Gattungen *Apterogyna* LATREILLE, 1809 (eine Art), *Macroocula* PANFILOV, 1954 (zwei Arten) und *Micatagla* ARGAMAN, 1994 (eine Art) nachgewiesen werden.

References

- ANDRÉ E. (1899-1903): Les Mutillides. — In: ANDRÉ Ed. (ed.), Species des Hyménoptères d'Europe & Algérie Tome 8: 1 – 64 (October 1899); 65 – 144 (April 1900); 145 – 224 (April 1901); 225 – 304 (October 1901); 305 – 384 (July 1902); 385 till end (January 1903).
- ANDRÉ E. (1903): Hyménoptera, Family Mutillidae. — In: WYTSMAN A. (ed.), Genera Insectorum **11**: 77 pp.
- ARGAMAN Q. (1994): Generic synopsis of Apterogyninae (Hyménoptera: Apterogynidae). — Folia Entomologica Hungarica **55**: 41-58.

- BISCHOFF H. (1920): Monographie der Mutilliden Afrikas. — Archiv für Naturgeschichte **86**/Abteilung A, 1: 1-160; 2: 161-320; 3: 321-480.
- BISCHOFF H. (1921): Monographie der Mutilliden Afrikas. — Archiv für Naturgeschichte **86**/Abteilung A, 4: 481-672; 5: 673-830, pls 1-7, map.
- DALLA TORRE C.G. DE (1897): Catalogus hymenopterorum hucusque descriptorum systematicus et synonymicus. Volumen **VIII**: Fossores (Sphegidae). — Leipzig (Wilhelm Engelmann): I-VIII, 749 pp.
- GRIBODO G. (1884): Viaggio ad Assab nel Mar Rosso, dei signori G. DORIA ed O. BECCARI con il R. Avviso "Esploratore" dal 16 Novembre 1879 al 26 Febbraio 1880. III. Imenotteri. — Annali del Museo Civico di Storia Naturale di Genova **20**: 381-392.
- INVREA F. (1936): Mutillidae e Chrysididae (Hymenoptera). — Annali del Museo Civico di Storia Naturale "Giacomo Doria" **58**: 115-131.
- INVREA F. (1951): Le Apterogyna del Nord Africa (Hymenoptera – Apterogynidae). — Annali del Museo Civico di Storia Naturale "Giacomo Doria" **65**: 150-172.
- INVREA F. (1953): Apterogyna del Sahara francese e di regioni adiacenti (Hymenoptera – Apterogynidae). — Annali del Museo Civico di Storia Naturale "Giacomo Doria" **66**: 215-235.
- INVREA F. (1957): Le Apterogyna del Sud Africa (Hymenoptera – Apterogynidae). — Annali del Museo Civico di Storia Naturale "Giacomo Doria" **69**: 257-332.
- INVREA F. (1963): Seconda nota su Apterogynidi e Mutillidi dell'Egitto con descrizione di nuove specie (Hymenoptera: Apterogynidae et Mutillidae). — Memorie della Società Entomologica Italiana **42**: 5-23.
- MAGRETTI P. (1906): Materiali per la conoscenza della Fauna Eritrea. Imenotteri. Fam. Mutillidi. Con appunti del viaggio in Colonia. — Bullettino de la Società Entomologica Italiana **37** (1): 3-96.
- PAGLIANO G. (2002): Revisione della sottofamiglia Apterogyninae (Hymenoptera: Bradynobaenidae). — Museo Regionale di Scienze Naturali Torino, Monografie **34**: 387 pp.
- PAGLIANO G. & M. ROMANO (2013): Three new species of African Apterogyninae from Kenya, Namibia and Senegal (Insecta, Hymenoptera, Bradynobaenidae). — Il Naturalista Valtellinese – Atti Museo Civico di Storia Naturale Morbegno **23**: 15-41.
- PAGLIANO G. & M. ROMANO (2018): World list of all known species of Bradynobaenidae (Hymenoptera). — Il Naturalista Valtellinese – Atti Museo Civico di Storia Naturale Morbegno **28**: 15-46.

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