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A catalogue of the Halictidae (Hymenoptera, Apoidea) of Eritrea

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A b s t r a c t : Until now, 25 species of the family Halictidae have been recorded from Eritrea. The subfamily Halictinae is represented by 11 species of the genera *Halictus* LATREILLE, 1804 (one species), *Lasioglossum* CURTIS, 1833 (two species), *Patellapis* FRIESE, 1909 (two species), *Seladonia* ROBERTSON, 1918 (four species) and *Sphecodes* LATREILLE, 1804 (two species). The subfamily Nomiinae is represented by 12 species of the genera *Acunomia* COCKERELL, 1930 (one species), *Afronomia* PAULY, 1990 (one species), *Crociaspidia* ASHMEAD, 1899 (two species), *Leuconomia* PAULY, 1980 (one species), *Lipotriches* GERSTAECKER, 1858 (one species), *Nomia* LATREILLE, 1804 (three species), *Pseudapis* KIRBY, 1900 (two species) and *Steganomus* RITSEMA, 1873 (one species) and the subfamily Nomioidinae by two species of the genus *Nomioides* SCHENCK, 1867.

Key words : Halictidae, Halictinae, Nomiinae, Nomioidinae, catalogue, Eritrea

Introduction

Halictidae is the largest family of short-tongued bees in the Afrotropical region. They are predominately pollen collecting bees nesting in the ground, but also cleptoparasitic species are known in the subfamily Halictinae.

Currently 25 species are recorded from Eritrea representing the subfamilies Halictinae, Nomiinae and Nomioidinae. Nothing is known about the biology of the Eritrean species of Halictidae. Hitherto 11 species of the subfamily Halictinae have been recorded from Eritrea representing the genera *Halictus* LATREILLE, 1804 (one species), *Lasioglossum* CURTIS, 1833 (two species), *Patellapis* FRIESE, 1909 (two species), *Seladonia* ROBERTSON, 1918 (four species) and *Sphecodes* LATREILLE, 1804 (two species). The subfamily Nomiinae is represented by 12 species belonging to the genera *Acunomia* COCKERELL, 1930 (one species), *Afronomia* PAULY, 1990 (one species), *Crociaspidia* ASHMEAD, 1899 (two species), *Leuconomia* PAULY, 1980 (one species), *Lipotriches* GERSTAECKER, 1858 (one species), *Nomia* LATREILLE, 1804 (three species), *Pseudapis* KIRBY, 1900 (two species) and *Steganomus* RITSEMA, 1873 (one species). The subfamily Nomioidinae is only known by two species of the genus *Nomioides* SCHENCK, 1867.

Abbreviations

Afr. reg.Afrotropical region
 app.appendix
 biogeogr.biogeography
 biol.biology
 cat.catalogue

descr.description
 design.designation
 distr.distribution
 fig. (figs)figure(s)
 orig.original
 pl.plate
 tab.table
 typ. gen.typus generis
 syn.synonym
 tax.taxonomy
 *synonyms or false identifications are marked with an asterisk

Annotated catalogue

Subfamily Halictinae

Halictus decorus WALKER, 1871

Halictus decorus n.sp.: WALKER, 1871: 42 (descr. ♂, Harkeko).

Halictus decorus WALKER, 1871: DE DALLA TORRE 1896: 60 (world cat. (Eritrea, not Egypt)).

Halictus decorus WALKER, 1871: INNES BEY 1911: 104 (Harkeko, cat. Lord Collection).

Halictus decorus WALKER, 1871: BLÜTHGEN 1933: 21 (tax., type not in Natural History Museum London).

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

Halictus decorus, which is only known from Eritrea, is not mentioned in FRIESE (1909) and EARDLEY & URBAN (2010). The type is probably lost. BLÜTHGEN (1933) suspects, that this species is probably *Lasioglossum luridipes* VACHAL, 1892.

Lasioglossum (Ctenonomia) arabs (PÉREZ, 1907)

Lasioglossum (Ctenonomia) arabs (PÉREZ, 1907): PAULY 1980a: 1 (tax.), 2 (map), 3 (key ♂), 4 (key ♀, tax., descr. ♀, Eritrea without locality), 6 (fig. 9), 8 (fig. 26).

Lasioglossum arabs (PÉREZ, 1907): EARDLEY & URBAN 2010: 129 (cat. Afr. reg.).

M a t e r i a l e x a m i n e d : Eritrea: without locality 1♀ 1908 leg. Kristensen (Natural History Museum Vienna).

D i s t r i b u t i o n : no exact locality.

Lasioglossum arabs is known from the Afrotropical (Eritrea, Socotra) and Palaearctic (Bahrein, Saudi Arabia, Yemen) regions.

Lasioglossum simulator (COCKERELL, 1935)

Halictus simulator n.sp.: COCKERELL 1935: 4 (descr. ♂, Nefasit).

Halictus simulator COCKERELL, 1935: PAULY 1999: 171 (not seen), 176 (not seen, cat. Afr. reg.).

Lasioglossum simulator (COCKERELL, 1935): ASCHER 2010 (In: EARDLEY & URBAN): 146 (tax.).

Lasioglossum simulator (COCKERELL, 1935): EARDLEY & URBAN 2010: 146 (cat. Afr. reg.).

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

Currently *Lasioglossum simulator* is only known from Eritrea.

***Patellapis flavofasciata* (FRIESE, 1915)**

Halictus flavofasciatus n.sp.: FRIESE 1915: 268 tax., biol., Asmara), 280 (descr. ♂, Asmara).

Halictus flavofasciatus FRIESE, 1915: BLÜTHGEN 1929: 34 (tax., Asmara).

Halictus flavofasciatus FRIESE, 1915: COCKERELL 1937: 107 (tax., cat. *Halictus* species described by Friese, Eritrea (not Ethiopia)).

Zonalictus flavofasciatus (FRIESE, 1915): MICHENER 1978: 515 (tax., Asmara, world cat.).

Zonalictus flavofasciatus (FRIESE, 1915): PAULY 1999: 147 (Asmara, cat. Afr. reg.), 173 (cat. Afr. reg.).

Patellapis (Zonalictus) flavofasciata (FRIESE, 1915): RASMUSSEN & ASCHER 2008: 50 (tax., cat. taxa described by Friese).

Patellapis flavofasciata (FRIESE, 1915): EARDLEY & URBAN 2006: 166 (tax.).

Patellapis flavofasciata (FRIESE, 1915): EARDLEY & URBAN 2010: 155 (cat. Afr. reg.).

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

Patellapis flavofasciata is only known from Eritrea.

***Patellapis nefasitica* (COCKERELL, 1935)**

Halictus nefasiticus n.sp.: COCKERELL 1935: 5 (descr. ♂, Nefasit).

Zonalictus nefasiticus COCKERELL, 1835: MICHENER 1978: 515 (tax., Nefasit, world cat.).

Zonalictus nefasiticus COCKERELL, 1835: PAULY 1999: 148 (cat. Afr. Reg., not examined), 175 (cat. Afr. reg.).

Patellapis nefasitica (COCKERELL, 1935): EARDLEY & URBAN 2006: 166 (tax.).

Patellapis nefasitica (COCKERELL, 1935): Eardley & URBAN 2010: 160 (cat. Afr. reg.).

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

Patellapis nefasitica is only known from Eritrea.

***Seladonia africana* (FRIESE, 1909)**

Seladonia africana (FRIESE, 1909): EARDLEY & URBAN 2010: 168 (cat. Afr. reg.).

**Halictus virescens* LEPELETIER DE SAINT-FARGEAU, 1841: FRIESE 1915: 268 (Asmara).

Halictus virescens LEPELETIER DE SAINT-FARGEAU, 1841: FRIESE 1921: 1095 (biogeogr.).

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

Seladonia africana has been recorded mainly from mountainous areas (e.g. Tanzania, Uganda) and is also known from Ethiopia.

***Seladonia cyanella* PAULY, 2008**

Seladonia cyanella n.sp.: PAULY 2008a: 397 (descr. ♀ ♂, Eritrea without locality, Keren (Orti Dari), Mentei (Beni Amer)), 398 (figs 7-10).

Seladonia cyanella PAULY, 2008: EARDLEY & URBAN 2010: 169 (cat. Afr. reg.).

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

Seladonia cyanella is also known from the Palaearctic region (Oman, Yemen).

***Seladonia lucidipennis* (SMITH, 1853)**

Halictus (Seladonia) lucidipennis SMITH, 1853: PAULY, PESENKO & LA ROCHE 2002: 201 (tax., biol., Eritrea without locality), 202 (figs 1, 2), 203 (fig. 12: map), 204 (figs 13, 14), 209 (fig. 24: map Cape Verde).

Seladonia lucidipennis (SMITH, 1853): EARDLEY & URBAN 2010: 171 (cat. Afr. reg.).

D i s t r i b u t i o n : no exact locality.

PAULY, PESENKO & LA ROCHE (2002) listed *Seladonia lucidipennis*, which is widely distributed in the Afrotropical, Oriental and Palaearctic regions, from Eritrea under general distribution without further data. See also next species. This species is also known from Djibouti, Ethiopia and Sudan.

***Seladonia tumulorum* (LINNAEUS, 1758)**

Halictus tumulorum (LINNAEUS, 1758): MAGRETTI 1885: 300 (Khor Gergabb), 352 (cat. expedition).

D i s t r i b u t i o n : Khor Gergabb.

Seladonia tumulorum is widely distributed in the Palaearctic region, but is not recorded from North Africa. Therefore the identification should be checked. It could be *Seladonia lucidipennis* (SMITH, 1853) (COCKERELL 1945: 352, 355). See also previous species. The record from Eritrea is not mentioned in DE DALLA TORRE (1896: 87-89) and the species is not listed in FRIESE (1909) and EARDLEY & URBAN (2010).

***Sphecodes abyssinicus* SICHEL, 1865**

Sphecodes hispanicus var. *abyssinicus* SICHEL, 1865: MAGRETTI 1906: 19 (Sabarguma).

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

The record from Eritrea is not mentioned in FRIESE (1909) and EARDLEY & URBAN (2010: 173). *Sphecodes abyssinicus* has been described from Ethiopia.

***Sphecodes eritrinus* FRIESE, 1915**

Sphecodes eritrinus n.sp.: FRIESE 1915: 267 (tax., Asmara), 277 (descr. ♂, Asmara).

Sphecodes eritrinus FRIESE, 1915: MEYER 1920: 210 (key ♂), 219 (tax. descr. ♂, Asmara).

Sphecodes eritrinus FRIESE, 1915: BLÜTHGEN 1924: 480 (tax., descr. ♂, Asmara).

Sphecodes eritrinus FRIESE, 1915: BLÜTHGEN 1926: 167 (tax.).

Sphecodes eritrinus FRIESE, 1915: BLÜTHGEN 1928: 167 (cat. Afr. reg.), 180 (tax.), 196 (tax., Asmara), 197 (fig. 9), 244 (key ♂).

Sphecodes eritrinus FRIESE, 1915: FRIESE 1925: 531 (cat. Africa), 532 (key).

Sphecodes eritrinus FRIESE, 1915: PAULY 1999: 168 (cat. Afr. reg.), 173 (cat. Afr. reg.).

Sphecodes eritrinus FRIESE, 1915: RASMUSSEN & ASCHER 2008: 47 (cat. taxa described by Friese).

Sphecodes eritrinus FRIESE, 1915: EARDLEY & URBAN 2010: 175 (cat. Afr. reg.).

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

Sphecodes eritrinus is also known from Ethiopia.

Subfamily N o m i i n a e

***Acunomia theryi* GRIBODO, 1894**

Nomia theryi n.sp.: GRIBODO 1894: 303 (descr. ♀, Saganeiti), 304 (fig.).

Nomia theryi GRIBODO, 1894: DE DALLA TORRE 1896: 170 (world cat.).

Nomia theryi GRIBODO, 1894: FRIESE 1909: 87 (South Africa), 154 (cat. Africa), 181 (tax., orig. descr. ♀, Saganeiti), 465 (cat. Africa).

Nomia theryi GRIBODO, 1894: STRAND 1912: 128 (distr., Eritrea without locality).

Nomia theryi GRIBODO, 1894: FRIESE 1915: 270 (Saganeiti (GRIBODO 1894)).

Acunomia theryi (GRIBODO, 1894): PAULY 1990: 30 (keys ♀, ♂), 33 (tax., descr. ♀ ♂, Asmara, Saganeiti), 37 (figs 102, 103), 42 (fig. 110: map).

Nomia (Acunomia) theryi GRIBODO, 1894: MICHENER 2000: 324 (tax.).

Nomia theryi GRIBODO, 1894: EARDLEY & URBAN 2010: 88 (cat. Afr. reg.).

Nomia (Acunomia) theryi GRIBODO, 1894: PENATI & MARIOTTI 2015: 124 (tax., Saganeiti, cat. Hymenoptera described by Gribodo).

**Nomia eritrina* n.sp.: FRIESE 1915: 270 (tax., Asmara), 284 (descr. ♀, Asmara).

Nomia eritrina FRIESE, 1915: PAULY 1990: 33 (syn., lectotype design., Asmara).

Nomia eritrina FRIESE, 1915: PESENKO 1997: 480 (tax. as *eritina*), 485 (tax.).

Nomia eritrina FRIESE, 1915: RASMUSSEN & ASCHER 2008: 47 (cat. taxa described by Friese).

**Nomia speciosa* FRIESE, 1908: FRIESE 1909: 153 (tax., cat. Africa), 170 (tax., descr. ♀ ♂, Asmara), 464 (cat. Africa).

Nomia speciosa FRIESE, 1908: FRIESE 1915: 269 (Asmara).

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

Nomia theryi, which is widely distributed in the Afrotropical region (Democratic Republic of Congo, Eritrea, Kenya, Malawi, Mozambique, Namibia, Rwanda, South Africa, Tanzania, Uganda, Zambia, Zimbabwe), is not recorded from the neighbour countries.

***Afronomia picardi* (GRIBODO, 1894)**

Nomia picardi n.sp.: GRIBODO 1894: 302 (descr. ♀, Saganeiti), 303 (fig.).

Nomia picardii (!) GRIBODO, 1894: DE DALLA TORRE 1896: 169 (world cat.).

Nomia picardii (!) GRIBODO, 1894: FRIESE 1909: 154 (tax., cat. Africa), 177 (tax., orig. descr. ♀, Saganeiti), 465 (cat. Africa).

Nomia picardii (!) GRIBODO, 1894: FRIESE 1915: 270 (Saganeiti (GRIBODO 1894)).

Afronomia picardii (!) (GRIBODO, 1894): PAULY 1990: 9 (tax.), 17 (fig. 28 as *A. picardi*), 126 (typ. gen., key ♀, both as *A. picardi*), 127 (key ♂ as *A. picardi*, tax., Saganeiti (type probably lost), 130 (figs 285-293), 132 (fig. 305), 134 (fig. 310: map), 179 (fig. 415).

Afronomia picardi (GRIBODO, 1894): MICHENER 1997b: 5 (type cat. genus-group names).

Lipotriches picardi (GRIBODO, 1894): EARDLEY & URBAN 2010: 67 (tax., cat. Afr. reg. (Eritrea, not Ethiopia)).

Lipotriches (Afronomia) picardi (GRIBODO, 1894): PENATI & MARIOTTI 2015: 98 (tax., Saganeiti, cat. Hymenoptera described by Gribodo).

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

Afronomia picardi, which is also known from "Congo", Kenya, Lesotho, South Africa and Zimbabwe, is not recorded from the neighbour countries.

***Crociaspidia vespoides* (WALKER, 1871)**

Nomia vespoides n.sp.: WALKER 1871: 43 (descr. ♀, Massawa).

Nomia vespoides WALKER, 1871: DE DALLA TORRE 1896: 170 (world cat. (Eritrea, not Egypt)).

Crociaspidia vespoides (WALKER, 1871): COCKERELL 1910: 504 (tax.).

Nomia (Crociaspidia) vespoides WALKER, 1871: MEADE-WALDO 1916: 460 (tax., not seen).

Crociaspidia vespoides (WALKER, 1871): COCKERELL 1931a: 213 (tax.), 214 (world cat.).

Nomia vespoides WALKER, 1871: WARNCKE 1976: 114 (type not in Natural History Museum in London, destroyed).

Crociaspidia vespoides (WALKER, 1871): PAULY 1990: 47 (keys ♀, ♂), 52 (tax., not seen), 56 (fig. 138), 64 (fig. 147: map).

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

Crociaspidia vespoides, which is not mentioned in FRIESE (1909), INNES BEY (1911) and EARDLEY & URBAN (2010), is known from the Afrotropical (Eritrea, Sudan) and Palaearctic (Iran, Oman, Pakistan, United Arab Emirates) regions.

***Crocisaspidia zonaria* (WALKER, 1871)**

Nomia zonaria n.sp.: WALKER 1871: 43 (descr. ♀, Harkeko).

Nomia zonaria WALKER, 1871: DE DALLA TORRE 1896: 170 (world cat. (Eritrea, not Egypt)).

Nomia zonaria WALKER, 1871 var.: BINGHAM 1903: 53 (tax., Malawi).

Crocisaspidia zonaria (WALKER, 1871): COCKERELL 1910: 504 (tax.).

Osmia zonaria (WALKER, 1871): INNES BEY 1911: 104 (Massawa, cat. Lord Collection).

Nomia (Crocisaspidia) zonaria WALKER, 1871: MEADE-WALDO 1916: 460 (tax.).

Crocisaspidia zonaria (WALKER, 1871): COCKERELL 1931a: 213 (tax.), 214 (world cat.).

Nomia zonaria WALKER, 1871: WARNCKE 1976: 114 (type not in Natural History Museum in London, destroyed).

Crocisaspidia zonaria (WALKER, 1871): PAULY 1984: 698 (tax., cat. Afr. reg.).

Nomia (Crocisaspidia) zonaria (WALKER, 1871): EBMER 1987: 89 (tax., type lost).

Crocisaspidia zonaria (WALKER, 1871): PAULY 1990: 47 (keys ♀, ♂), 53 (tax., biol., Harkeko ("Archico", holotype)), 56 (fig. 136), 65 (fig. 148: map).

Nomia zonaria WALKER, 1871: PESENKO 1997: 479 (tax.), 481 (tax.), 487 (tax.).

Crocisaspidia zonaria (WALKER, 1871): EARDLEY & URBAN 2010: 89 (cat. Afr. reg.).

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

Crocisaspidia zonaria is known from the Afrotropical (Cameroon, Chad, Eritrea, Ghana, Malawi, Mali, Mauritania, Niger, Nigeria, Senegal, Sudan, Togo) and Palaearctic (Egypt, Saudi Arabia) regions. WALKER (1871) described this species from Eritrea and not from Sudan as mentioned in EARDLEY & URBAN 2010: 89).

***Leuconomia candida* (SMITH, 1875)**

Nomia candida SMITH, 1875: MAGRETTI 1906: 19 (Ailet).

Leuconomia candida (SMITH, 1875): PAULY 2000: 165 (biol.), 166 (tax.), 167 (cat. Afr. Reg.), 168 (figs 2, 5), 169 (key ♀), 170 (key ♂, fig. 19), 171 (fig. 22), 175 (tax., biol., Asmara, Mendefera (Adi-Ugri)).

Nomia candida SMITH, 1875: EARDLEY & URBAN 2010: 80 (cat. Afr. reg.).

D i s t r i b u t i o n : Adi Ugri, Ailet, Asmara.

Nomia candida, which is widely distributed in the Afrotropical region, is also recorded from Ethiopia. The record from Eritrea is not mentioned in FRIESE (1909: 159).

***Lipotriches patellifera* (WESTWOOD, 1875)**

Nomia patellifera WESTWOOD, 1875: MAGRETTI 1906: 19 (Ailet).

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

The record from Eritrea is not mentioned in EARDLEY & URBAN (2010) and PAULY (2014).

***Nomia aegyptiaca* DE DALLA TORRE, 1896**

Nomia aegyptiaca n.nom.: DE DALLA TORRE 1896: 163 (replacement name for *Nomia femoralis* WALKER, 1871, world cat. (Eritrea, not Egypt)).

Nomia aegyptiaca DE DALLA TORRE, 1896: WARNCKE 1976: 114 (type not in Natural History Museum in London, destroyed).

Nomia aegyptiaca DE DALLA TORRE, 1896: PAULY 1990: 171 (tax., not seen).

**Nomia femoralis* n.sp.: WALKER 1871: 44 (descr. ♂, Dahlak Island).

Osmia femoralis (WALKER, 1871): INNES BEY 1911: 105 (Dahlak Island, cat. Lord Collection).

D i s t r i b u t i o n : Dahlak Island.

Nomia aegyptiaca, which is only known from the original description, is not mentioned in

EARDLEY & URBAN (2010). *Nomia femoralis* WALKER, 1871 is a junior homonym of *Nomia femoralis* PALLAS, 1783.

***Nomia bicoloripes* WALKER, 1871**

Nomia bicoloripes n.sp.: WALKER 1871: 43 (descr. ♂, Massawa).

Nomia bicoloripes WALKER, 1871: DE DALLA TORRE 1896: 164 (world cat. (Eritrea, not Egypt)).

Osmia bicoloripes (WALKER, 1871): INNES BEY 1911: 104 (Massawa, cat. Lord Collection).

Nomia bicoloripes WALKER, 1871: WARNCKE 1976: 114 (type not in Natural History Museum in London, destroyed).

Nomia bicoloripes WALKER, 1871: PAULY 1990: 171 (tax., type not seen).

Nomia bicoloripes WALKER, 1871: EARDLEY & URBAN 2010: 78 (cat. Afr. reg. (Eritrea, not Somalia)).

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

Nomia bicoloripes is only known from the original description.

***Nomia curvipes* (FABRICIUS, 1781)**

**Nomia crassipes* (FABRICIUS, 1798): WALKER 1871: 43 (tax., Rafla).

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

This record of *Nomia curvipes*, which is known from the Oriental region, is not mentioned in DE DALLA TORRE (1896: 165), INNES BEY (1911), PAULY (1990: 19; 2008b: 213) and EARDLEY & URBAN (2010). The identification should be checked.

***Pseudapis nilotica* (SMITH, 1875)**

Nomia nilotica SMITH, 1875: MAGRETTI 1906: 19 (Ailet).

**Pseudapis armata* (OLIVIER, 1811): PAULY 1990: 68 (keys ♀, ♂), 70 (tax., biol., Assab (Eritrea, not Ethiopia)), 82 (fig. 168), 84 (figs 190, 193), 86 (fig. 199: map), 178 (fig. 406).

Pseudapis armata (OLIVIER, 1811): EARDLEY & URBAN 2010: 92 (cat. Afr. reg. (Eritrea under Ethiopia)).

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

Pseudaspis armata is known from the Afrotropical (e.g. Djibouti, Eritrea, Sudan) and Palaeartic (e.g. Saudi Arabia, Yemen) regions.

***Pseudapis patellata* (MAGRETTI, 1884)**

Nomia patellata n.sp.: MAGRETTI 1884: 621 (descr. ♀, Khor Lebka), pl. 1 (figs 15a, b).

Nomia patellata n.sp.: MAGRETTI 1885: 333 (Khor Lebka), 353 (cat. expedition).

Nomia patellata MAGRETTI, 1884: DE DALLA TORRE 1896: 168 (world cat. (Eritrea, not Africa)).

Nomia patellata MAGRETTI, 1884: MAGRETTI 1906: 19 (Ailet).

Nomia patellata MAGRETTI, 1884: FRIESE 1909: 154 (tax., cat. Africa), 177 (tax., orig. descr. ♀), 465 (cat. Africa).

Nomia patellata MAGRETTI, 1884: STRAND 1912: 128 (distr., Eritrea without locality).

Nomia patellata MAGRETTI, 1884: STRAND 1913: 129 (key ♀), 138 (key ♂), 143 (cat. species keyed).

Nomia patellata MAGRETTI, 1884: FRIESE 1915: 269 (Eritrea without locality).

Nomia patellata MAGRETTI, 1884: COCKERELL 1931b: 281 (tax., Eritrea without locality (= Khor Lebka)).

Nomia patellata MAGRETTI, 1884: ALFKEN 1932: 49 (tax.).

Nomia patellata MAGRETTI, 1884: COCKERELL 1932: 8 (key).

Nomia patellata MAGRETTI, 1884: WARNCKE 1980: 366 (key ♀), 368 (tax., Eritrea without locality).

Pseudapis patellata (MAGRETTI, 1884): PAULY 1990: 66 (tax.), 67 (key ♀), 68 (key ♂), 77 (tax., Eritrea without locality), 81 (fig. 161), 83 (fig. 178), 92 (fig. 205: map).

Pseudapis patellata (MAGRETTI, 1884): BAKER 2002: 15 (fig. 7: tax.), 16 (fig. 8: tax.), 17 (fig. 9: tax.), 18 (figs 10, 11: both tax.), 19 (fig. 12: tax.), 20 (tax.), 26 (tax., Khor Lebka), 50 (tax.), 52 (key ♀), 69 (app. 1: material examined), 74 (app. 2: tax.), 76 (app. 3: tax.), 77 (app. 3: tax.).

Pseudapis patellata (MAGRETTI, 1884): EARDLEY & URBAN 2010: 95 (cat. Afr. reg. (Eritrea under Ethiopia)).

D i s t r i b u t i o n : Ailet, Khor Lebka.

Pseudapis patellata is known from the Afrotropical (e.g. Ethiopia, Sudan), Oriental and Palaearctic (e.g. Saudi Arabia, Yemen) regions.

***Steganomus junodi* GRIBODO, 1895**

Steganomus junodi GRIBODO, 1895: PAULY 1990: 106 (key, tax., descr. ♀ ♂, biol., Gheleb), 109 (figs 243-250), 110 (figs 253, 254, 256, 257, 261), 211 (fig. 263: map).

Steganomus junodi GRIBODO, 1895: EARDLEY & URBAN 2010: 98 (cat. Afr. reg.).

**Nomia puncticollis* n.sp.: FRIESE 1930: 22 (descr. ♂, Gheleb).

Steganomus puncticollis (FRIESE, 1930): COCKERELL 1935a: 78 (tax., type locality design., South Africa).

Steganomus puncticollis (FRIESE, 1930): COCKERELL 1935b: 426 (tax., South Africa).

Nomia puncticollis FRIESE, 1930: PAULY 1990: 106 (syn., lectotype design.).

Halictus (!) *puncticollis* FRIESE, 1930: RASMUSSEN & ASCHER 2008: 88 (cat. taxa described by Friese).

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

Steganomus junodi is widely distributed in the Afrotropical region, but is not recorded from the neighbour countries.

Subfamily N o m i o i d i n a e

***Nomioides deceptor* SAUNDERS, 1908**

Nomioides (Nomioides) deceptor deceptor SAUNDERS, 1908: PESENKO & PAULY 2005: 169 (key), 171 (key), 173 (figs 19a-j), 175 (tax., descr. ♀ ♂, biol., Keren (MAGRETTI 1884b)), 216 (cat. Africa), 219 (pl. 3: figs 76, 77), 220 (pl. 4: fig. 99), 222 (pl. 6: figs 132, 133), 225 (pl. 9: fig. 176), 226 (pl. 10: fig. 185), 230 (pl. 14: fig. 218), 233 (pl. 17: fig. 236: map (not indicated)).

**Nomia minutissima* (ROSSIUS, 1790): MAGRETTI 1884b: 623 (tax., Keren).

Nomia minutissima (ROSSIUS, 1790): MAGRETTI 1885: 330 (Keren), 353 (cat. expedition).

Nomia minutissima (ROSSIUS, 1790): BLÜTHGEN 1924: 13 (Sudan).

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

Nomioides deceptor, which is known from the Afrotropical (Eritrea, Mauritania, Sudan) and Palaearctic (Algeria, Egypt, Lybia, Morocco, Saudi Arabia, United Arab Emirates) regions, is not listed in EARDLEY & URBAN (2010).

***Nomioides maculiventris* (CAMERON, 1905)**

Nomioides (Nomioides) maculiventris (CAMERON, 1905): PAULY & PESENKO 2005: 171 (key), 172 (key), 187 (tax., descr. ♀ ♂, figs 28a-n, biol., Asmara (FRIESE 1915)), 188 (tab. 4: tax.), 189 (tab. 5: tax.), 216 (cat. Africa), 219 (pl. 3: figs 84, 85), 220 (pl. 4: fig. 102), 223 (pl. 7: figs 160, 161), 226 (pl. 10: fig. 180), 227 (pl. 11: fig. 191), 230 (pl. 14: fig. 213), 235 (pl. 19: map (not indicated)).

Nomioides maculiventris (CAMERON, 1905): EARDLEY & URBAN 2010: 103 (cat. Afr. reg.).

**Halictus (Nomioides) pulchellus* SCHENCK, 1859: FRIESE 1915: 268 (Asmara).

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

Nomioides maculiventris is recorded also from Botswana, Kenya, Lesotho, Namibia and South Africa.

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Zusammenfassung

Die Familie Halictidae ist in Eritrea mit 25 Arten aus drei Unterfamilien vertreten. Die Unterfamilie Halictinae ist mit 11 Arten aus den Gattungen *Halictus* LATREILLE, 1804 (eine Art), *Lasioglossum* CURTIS, 1833 (zwei Arten), *Patellapis* FRIESE, 1909 (zwei Arten), *Seladonia* ROBERTSON, 1918 (vier Arten) und *Sphecodes* LATREILLE, 1804 (zwei Arten) nachgewiesen. Die Unterfamilie Nomiinae ist mit 12 Arten aus den Gattungen *Acunomia* COCKERELL, 1930 (eine Art), *Afronomia* PAULY, 1990 (eine Art), *Crocisaspidia* ASHMEAD, 1899 (zwei Arten), *Leuconomia* PAULY, 1980 (eine Art), *Lipotriches* GERSTAECKER, 1858 (eine Art), *Nomia* LATREILLE, 1804 (drei Arten), *Pseudapis* KIRBY, 1900 (zwei Arten) und *Steganomus* RITSEMA, 1873 (eine Art) vertreten. Die Unterfamilie Nomioidinae ist mit zwei Arten aus der Gattung *Nomioides* SCHENCK, 1867 nachgewiesen.

References

- ALFKEN J.D. (1932): Entomological Expedition to Abyssinia, 1926-27. Hymenoptera, I: Apoidea (exclusive of *Andrena* and *Halictus*). — Transactions of the Entomological Society of London **80** (1): 47-55.
- BAKER D.B. (2002): On Palaearctic and Oriental species of the genera *Pseudapis* W.F. KIRBY, 1900, and *Nomiapis* COCKERELL, 1919. — Beiträge zur Entomologie **52** (1): 1-83.
- BINGHAM C.T. (1903): On the Hymenoptera collected by Mr. W.L. DISTANT in the Transvaal, South Africa, with Descriptions of supposed new Species. — The Annals and Magazine of Natural History, 7th Series, **12** (67): 46-69.
- BLÜTHGEN P. (1924): Beiträge zur Systematik der Bienengattung *Sphecodes* LATR. II. — Deutsche Entomologische Zeitschrift **1924** (6): 457-516.
- BLÜTHGEN P. (1926): Eine Entgegnung auf den Aufsatz Dr. R. MEYERS "Zur Bienengattung *Sphecodes*". — Archiv für Naturgeschichte **91** (Abteilung A, 7): 163-168.
- BLÜTHGEN P. (1927): Beiträge zur Systematik der Bienengattung *Sphecodes* LATR. III. — Zoologische Jahrbücher, Abteilung für Systematik, Ökologie und Geographie der Tiere **53** (1): 23-112.
- BLÜTHGEN P. (1928): Beiträge zur Kenntnis der afrikanischen Halictinae, (Hym., Apidae, Halictidae). — Zoologische Jahrbücher, Abteilung für Systematik, Ökologie und Geographie der Tiere **55** (1-3): 163-252.
- BLÜTHGEN P. (1929): Ein Beitrag zur Kenntnis der äthiopischen *Halictus*-Arten (Hym., Apidae). — Mitteilungen aus dem Zoologischen Museum in Berlin **15** (1): 27-36.
- BLÜTHGEN P. (1933): Ein Beitrag zur Kenntnis der Bienenfauna Aegyptens (Hymenoptera: Apidae-Halictidae-Halictinae). — Bulletin de la Société Entomologique d'Égypte **17** (1-3): 14-27.

- COCKERELL T.D.A. (1910): Descriptions and Records of Bees. – XXIX. — The Annals and Magazine of Natural History, 8th Series, **5** (30): 496-506.
- COCKERELL T.D.A. (1931a): The Bee-genus *Crocisaspidia*. — The Annals and Magazine of Natural History, 10th Series, **8** (44): 213-216.
- COCKERELL T.D.A. (1931b): Some African Bees of the Genus *Nomia*. — The Annals and Magazine of Natural History, 10th Series, **8** (45): 265-283.
- COCKERELL T.D.A. (1932): Records of African Bees. — American Museum Novitates **547**: 1-16.
- Cockerell T.D.A. (1935): Some African Nomiiine Bees. — The Annals and Magazine of Natural History, 10th Series, **15** (86): 161-183; (87): 321-339; (88): 409-426.
- COCKERELL T.D.A. (1935c): Scientific Results of the Vernay-Lang Kalahari Expedition, March to September, 1930. — Annals of the Transvaal Museum **17** (1): 63-94.
- COCKERELL T.D.A. (1935): Bees from Eritrea, Northwest Africa. — American Museum Novitates **809**: 1-6.
- COCKERELL T.D.A. (1937): African Bees of the Genera *Ceratina*, *Halictus* and *Megachile*. — London (Trustees of the British Museum): VII-XVI, 254 pp.
- DALLA TORRE DE C.G. (1896): Catalogus hymenopterorum hucusque descriptorum et systematicus et synonymicus. Volumen **10**: Apidae (Anthophila). — Leipzig (Wolfgang ENGELMANN): I-VIII, 643 pp.
- EARDLEY C. & R. URBAN (2006): Taxonomic changes in Afrotropical bees (Hymenoptera: Apoidea). — African Entomology **14** (1): 161-174.
- EARDLEY C. & R. URBAN (2010): Catalogue of Afrotropical bees (Hymenoptera: Apoidea: Apiformes). — Zootaxa **2455**: 1-548.
- EBMER A.W. (1987): Die europäischen Arten der Gattungen *Halictus* LATREILLE 1804 und *Lasioglossum* CURTIS 1833 mit illustrierten Bestimmungstabellen (Insecta: Hymenoptera: Apoidea: Halictidae: Halictinae). I. Allgemeiner Teil, Tabelle der Gattungen. — Senckenbergiana Biologica **68** (1-3): 59-148.
- FRIESE H. (1909): Die Bienen Afrikas nach dem Stande unserer heutigen Kenntnisse. — In: Zoologische und anthropologische Ergebnisse einer Forschungsreise im westlichen und zentralen Südafrika ausgeführt in den Jahren 1903 – 1905 mit Unterstützung der Kgl. Preussischen Akademie der Wissenschaften zu Berlin **2** (2): 83-476, pls 9, 10.
- FRIESE H. (1915): Zur Bienenfauna von Abessinien (Hym.). — Deutsche Entomologische Zeitschrift **1915** (3): 265-298.
- FRIESE H. (1921): Ergebnisse der Zweiten Deutschen Zentral-Afrika-Expedition 1910-1911 unter Führung Adolf Friedrichs, Herzogs zu Mecklenburg **1** (Zoologie) 16: 1091-1112.
- FRIESE H. (1925): Die *Sphecodes*-Arten des tropischen Afrika. — Zoologische Jahrbücher, Abteilung für Systematik, Geographie und Biologie der Tiere **49** (5-6): 530-533.
- FRIESE H. (1930): Neue Arten der Bienengattung *Nomia* aus Afrika. — Konowia **9** (1): 13-33.
- GRIBODO G. (1894): Note imenotterologiche: Nota II. Nuovi generi e nuove specie di imenotteri antofili ed osservazione sopra alcune specie già conosciute (Continuazione). — Bullettino della Società Entomologica Italiana **26** (2): 262-314.
- INNES BEY W. (1911): Une liste d'Insectes recueillis probablement par J. LORD en Égypte et déterminés par F. Walker. — Bulletin de la Société Entomologique d'Égypte **4** (1): 97-115.
- MAGRETTI P. (1884): Risultati di raccolte imenotterologiche nell'Africa orientale. — Annali del Museo Civico di Storia Naturale di Genova **21**: 523-636.
- MAGRETTI P. 1885): Nel Sudan Orientale. Ricordi d'un viaggio in Africa per studii zoologici. — Atti della Società Italiana di Scienze Naturali **26** (3-4): 257-355.
- 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.

- MEADE-WALDO G. (1916): Notes on the Apidae (Hymenoptera) in the Collection of the British Museum, with Descriptions of New Species. — *The Annals and Magazine of Natural History*, 8th Series, **17** (102): 448-470.
- MEDLER J.T. (1980): Insects of Nigeria – Checklist and Bibliography. — *Memoirs of the American Entomological Institute* **30**: I-VII, 919 pp.
- MEYER R. (1920): Apidae – Sphecodinae. — *Archiv für Naturgeschichte* **85** (Abteilung A, 1): 79-242.
- MICHENER C.D. (1978): The Classification of Halictine Bees: Tribes and Old World Nonparasitic Genera with Strong Venation. — *University of Kansas Science Bulletin* **51** (14): 501-558.
- MICHENER C.D. (1997): Genus-Group Names of Bees and Supplemental Family-Group Names. — *Scientific Papers, Natural History Museum, The University of Kansas*, **1**: 1-81.
- PAULY A. (1980): Les espèces métalliques afrotropicales du sous-genre *Ctenomia* du genre *Lasioglossum* (Hymenoptera, Apoidea, Halictidae). — *Revue de Zoologie Africaine* **94** (1): 1-10.
- PAULY A. (1990): Classification des Nomiinae Africaines (Hymenoptera Apoidea Halictidae). — *Musée Royal de l'Afrique Centrale Tervuren, Annales Sciences Zoologiques* **261**: 1-206.
- PAULY A. (1999): Classification des Halictini de la Région Afrotropicale (Hymenoptera Apoidea Halictidae). — *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique, Entomologie* **69**: 137-196.
- PAULY A. (2008a): Catalogue of the sub-Saharan species of the genus *Seladonia* ROBERTSON, 1918, with description of two new species (Hymenoptera: Apoidea: Halictidae). — *Zoologische Mededelingen* **82** (36): 391-400.
- PAULY A. (2008b): Révision du genre *Nomia* sensu stricto LATREILLE, 1804 et désignation du lectotype de l'espèce-type *Nomia curvipes* FABRICIUS, 1793, non 1781 (Hymenoptera: Apoidea: Halictidae). — *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique* **78**: 211-223.
- PAULY A. (2014): Les Abeilles des Graminées ou *Lipotriches* GERSTAECKER, 1858, sensu stricto (Hymenoptera: Apoidea, Halictidae, Nomiinae) de l'Afrique. — *Belgian Journal of Entomology* **20**: 1-393 pp.
- PAULY A., PESENKO Y.A. & F. LA ROCHE (2002): The Halictidae of the Cape Verde Islands (Hymenoptera Apoidea). — *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique, Entomologie*, **72**: 201-211.
- PENATI F. & A. MARIOTTI (2015): Catalog of Hymenoptera described by G. GRIBODO (1846-1924) (Insecta). — *Zootaxa* **3929**: 1-183.
- PESENKO Y.A. (1997): Nomenclatural and bibliographic corrections to A. PAULY'S monograph on African Nomiinae (Hymenoptera, Halictidae). — *Entomofauna* **18** (29): 477-506.
- PESENKO Y.A. & A. PAULY (2005): Monograph of the bees of the subfamily Nomioidinae (Hymenoptera: Halictidae) of Africa (excluding Madagascar). — *Annales de la Société Entomologique de France, nouvelle série*, **41** (2): 129-236.
- RASMUSSEN C. & J.S. ASCHER (2008): Heinrich FRIESE (1860-1948): names proposed and notes on a pioneer melittologist (Hymenoptera, Anthophila). — *Zootaxa* **1833**: 1-118.
- STRAND E. (1912): Ein neueres Werk über afrikanische Bienen kritisch besprochen. — *Archiv für Naturgeschichte* **78** (Abteilung A, 1): 126-144.
- STRAND E. (1913): Bestimmungstabelle nebst weiteren Beiträgen zur Kenntnis afrikanischer *Nomia*-Arten. — *Archiv für Naturgeschichte* **79** (Abteilung A, 10): 121-144.
- WALKER F. (1871): A List of Hymenoptera collected by J.K. LORD, Esq. in Egypt, in the neighbourhood of the Red Sea, and in Arabia. With descriptions of the new species. — London (E. W. JANSON): III-IV, 1-59.

WARNCKE K. (1976): Zur Systematik und Verbreitung der Bienengattung *Nomia* LATR. in der Westpaläarktis und dem turkestanischen Becken (Hymenoptera, Apoidea). — *Reichenbachia* **16** (7): 93-120.

WARNCKE K. (1980): Die Bienengattungen *Nomia* und *Systropha* im Iran mit Ergänzungen zu den *Nomia*-Arten der Westpaläarktis. — *Linzer biologische Beiträge* **12** (2): 363-384.

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