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Dikow 2003

doi:[10.5281/zenodo.32467](https://doi.org/10.5281/zenodo.32467)

African Invertebrates Vol. 44 (2) Pages 1–131 Pietermaritzburg December, 2003

Revision of the genus *Euscelidia* Westwood, 1850 (Diptera: Asilidae: Leptogastrinae)

by

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ABSTRACT

The genus *Euscelidia* Westwood, 1850 is revised. Sixty-eight species (55 Afrotropical, 11 Oriental, 4 Palearctic) are recognised, of which 40 are newly described: Afrotropical - *acuminata*, *adusta*, *atrata*, *bechuana*, *cacula*, *cana*, *capensis*, *crena*, *erichthenii*, *fistula*, *hesperia*, *hyalina*, *insolita*, *kasungu*, *lata*, *longibifida*, *lucioides*, *milva*, *mucronata*, *natalensis*, *notialis*, *obtusa*, *obudu*, *peteraxi*, *picta*, *pipinna*, *pulchra*, *senegalensis*, *tsavo*, *vallis*, *venusta*; Oriental - *abbreviata*, *cobice*, *flava*, *glabra*, *lepida*, *livida*, *papa*, *prolata*, *splendida*. *Dolichoscus* Janssens, 1953 is synonymised with *Euscelidia*. Four species, *Dolichoscus francoisi* Janssens, 1953, *Leptogaster brunneus* Loew, 1858, *L. nenemusha* Speiser, 1910, *L. ochricornis* Loew, 1858, are newly combined with *Euscelidia*. Four species are newly synonymised, *Dolichoscus longipes* Janssens, 1954 with *D. francoisi*, *Euscelidia oldroydi* Lindner, 1955 and *Leptogaster stigmatalis* Loew, 1852 with *Leptogaster proculus* Walker, 1849, and *Lasiocnemus pilipes* Curran, 1927 with *Leptogaster datis* Walker, 1849. *Euscelidia piliensis* Oldroyd, 1972 is transferred to *Leptogaster* Meigen, 1803. The status of *Leptogaster setifer* Frey, 1937 and *L. simplex* Bigot, 1878 is revised as species of *Leptogaster*. Redescriptions and descriptions of the genus and all species and an identification key to species are provided. The distribution, seasonality, and biology are discussed. Comments on the subfamily Leptogastrinae are given.

Keywords: *Euscelidia*, Leptogastrinae, Asilidae, Diptera, revision, biogeography

Type material - The ♂ holotype is labelled 'SOUTH WEST AFRICA 2217Ca Windhoek Dist. Auasberge 21 km. S. Windhoek, 1800 m. 31-1-1974, ME Irwin sandy wash in mountains / HOLOTYPE *Euscelidia acuminata* sp. nov. det. T. Dikow 2001 (red label)'. The specimen is double mounted (minuten in block of foam), is in excellent condition, and is deposited in the NMSA.

The 3 ♀ 4 ♂ paratypes have same labels as holotype except 'PARATYPE *Euscelidia acuminata* sp. nov. det. T. Dikow 2001 (yellow label)'. The specimens are double mounted (minuten in block of foam), are in very good condition (1 ♀ with cracked set), and are deposited in the NMSA.

Type locality and distribution (Fig. 29): Namibia, Auasberge (21 km S Windhoek), 22°44'S 17°00'E. Angola, Namibia.

Material examined: ANGOLA: 1 ♂ Capangombe, 15°05'S 13°10'E, 17–20.x.1974; NAMIBIA: 1 ? Outjo, 20°14'S 15°40'E; 1 ♂ Khan River, 21°47'S 15°55'E, 27.iii.1984; 1 ♀ 2 ♂ 1 ? Hochfeld, 21°29'S 17°50'E, 18.iii.1984; 1 ♂ Regenstein, 22°43'S 17°01'E, 8.ii.1972; 1 ♀ 1 ♂ Witvlei, 22°26'S 18°31'E, 17.iii.1984. Depository: BMNH, NMSA.

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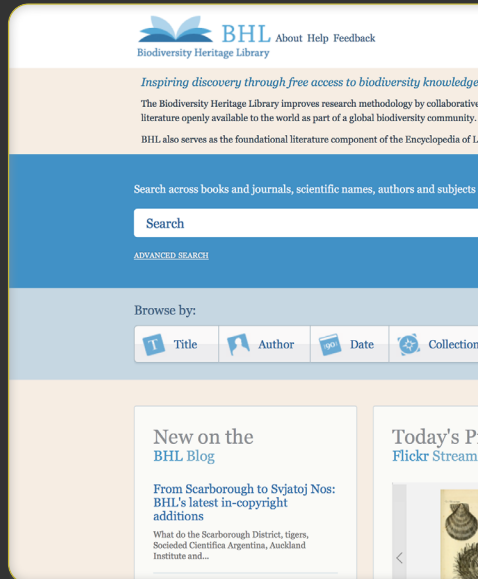
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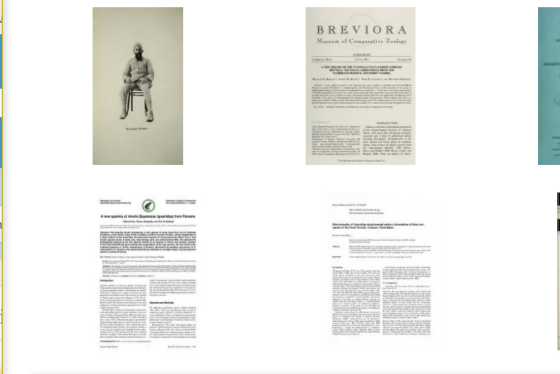
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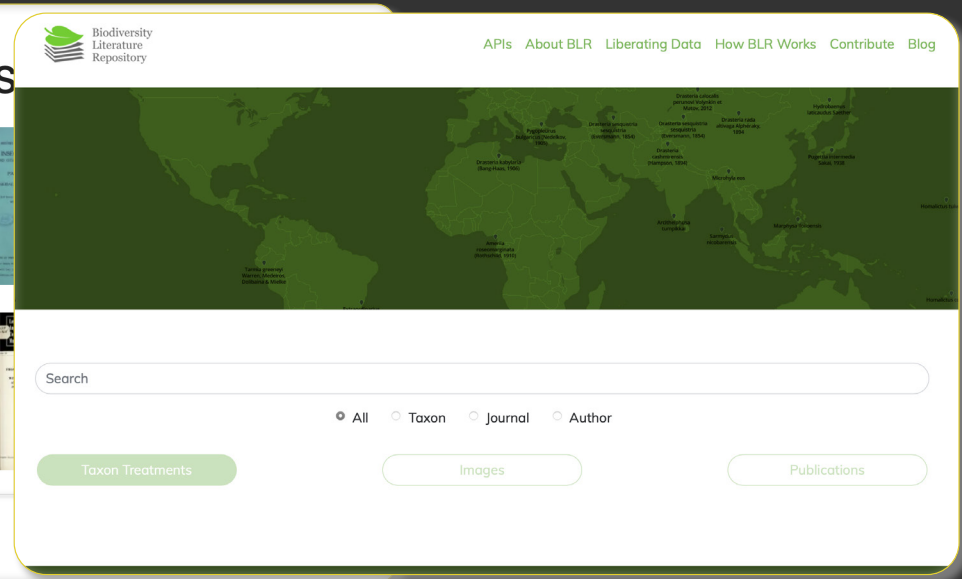


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Bequaert 1959

doi: [10.5281/zenodo.3994689](https://doi.org/10.5281/zenodo.3994689)**Publication date:**

December 31, 1959

DOI:DOI [10.5281/zenodo.3994689](https://doi.org/10.5281/zenodo.3994689)**Keyword(s):**

Biodiversity Taxonomy Animalia Arthropoda
Insecta Diptera Mydidae

Published in:

South African Animal Life (Results of the Lund University Expedition in 1950-1951), Almqvist and Wiksell, Lund, pp. 356-372.

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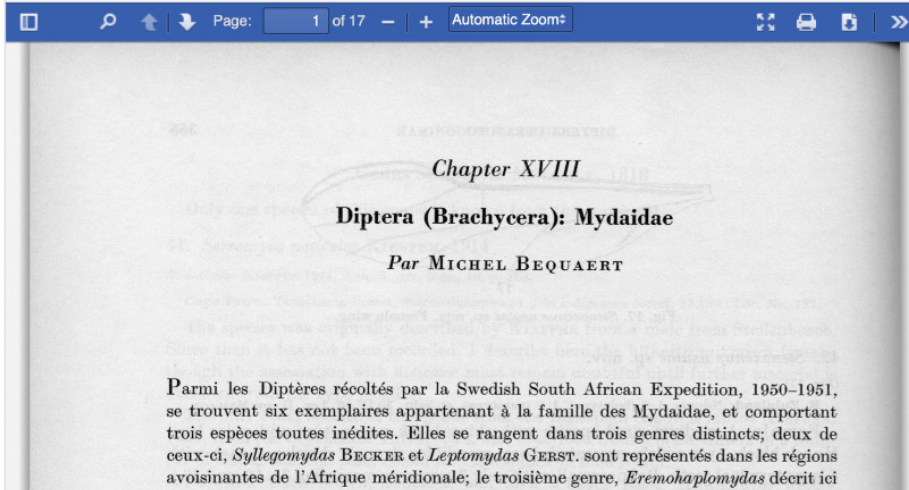
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Chapter XVIII. Diptera (Brachycera): Mydidae

Bequaert, Michel

Bequaert, Michel (1959): Chapter XVIII. Diptera (Brachycera): Mydidae. In: South African Animal Life (Results of the Lund University Expedition in 1950-1951). Lund: Almqvist and Wiksell. 356-372, DOI: <http://doi.org/10.5281/zenodo.3994689>

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Treatments (4)

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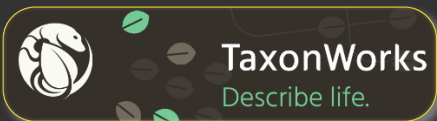
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data gathering

descriptions + keys



comprehensive suites



collaborative tools



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GRSciColl

data repositories

specimen occurrences



keys



images + 3D data



distribution maps

SimpleMappR

names

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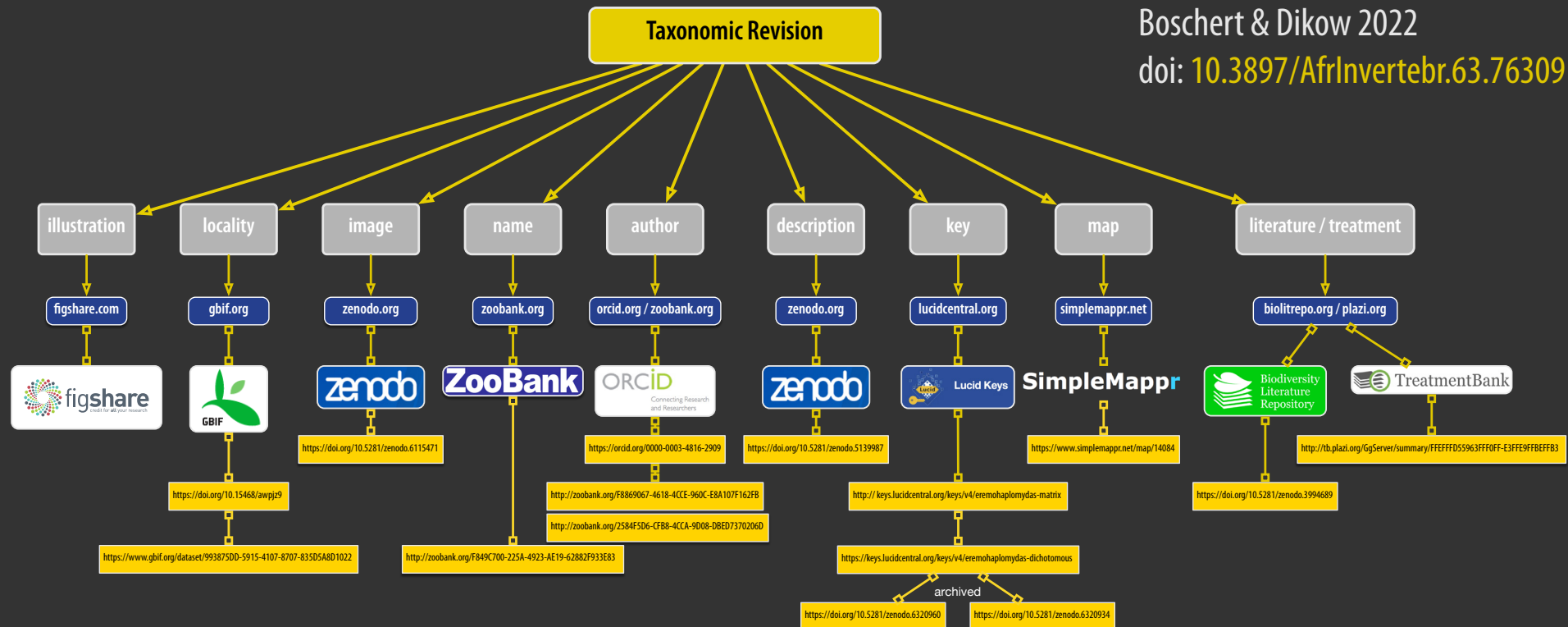
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descriptions / treatments



Boschert & Dikow 2022
doi: [10.3897/AfrInvertebr.63.76309](https://doi.org/10.3897/AfrInvertebr.63.76309)



Eremohaplomydas whartoni



Eremohaplomydas gobabebensis

◇ links to openly accessible data in public repositories – make access easy



Data resources

GBIF: specimen occurrence data-set – <http://www.gbif.org/dataset/993875DD-5915-4107-8707-835D5A8D1022> – DOI <https://doi.org/10.15468/awpiz9>.

Lucid Builder: illustrated, multi-entry, matrix-based identification key – <http://keys.lucidcentral.org/keys/v4/eremohaplomydas-matrix> (archived in SDD format at Zenodo – DOI <https://doi.org/10.5281/zenodo.6320960>).

Lucid Builder: illustrated, dichotomous, pathway identification key – <https://keys.lucidcentral.org/keys/v4/eremohaplomydas-dichotomous> (archived in SDD format at Zenodo – DOI <https://doi.org/10.5281/zenodo.6320934>).

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Lucid Builder: illustrated, dichotomous, pathway identification key to Afrotropical Mydidae genera v2 – <https://keys.lucidcentral.org/keys/v4/Afrotropical-Mydidae-genera-dichotomous> (archived in SDD format at Zenodo – DOI <https://doi.org/10.5281/zenodo.5295621>).

Plazi TreatmentBank taxon treatments:

Bequaert 1959 – <http://tb.plazi.org/GgServer/summary/FFEFFFD55963FFF0FFE3FFE9FFBEFFB3>

SimpleMappr: distribution maps – <https://www.simplemappr.net/map/14084?width=1000&height=750&legend=true> (as in Fig. 3; Google Earth KML file <http://www.simplemappr.net/map/14084.kml>); <https://www.simplemappr.net/map/14089?width=1000&height=750&legend=true> (as in Fig. 56; Google Earth KML file <http://www.simplemappr.net/map/14089.kml>); <https://www.simplemappr.net/map/14090?width=1000&height=750&legend=true> (as in Fig. 57; Google Earth KML file <http://www.simplemappr.net/map/14090.kml>).

Zenodo: natural-language species descriptions from Lucid Builder 4.0 in SDD format – DOI <https://doi.org/10.5281/zenodo.5139987>.

Zenodo BLR: full-resolution specimen photographs – DOI <https://doi.org/10.5281/zenodo.6115471>.

ZooBank new nomenclatorial acts: <http://zoobank.org/F849C700-225A-4923-AE19-62882F933E83>.

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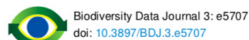
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◇ cybercatalog of Afrotropical *Apiocera*

- › interactive
- › links to openly accessible data in public repositories

◇ Dikow & Agosti 2015

- › doi: [10.3897/BDJ.3.e5707](https://doi.org/10.3897/BDJ.3.e5707)



Biodiversity Data Journal 3: e5707
doi: [10.3897/BDJ.3.e5707](https://doi.org/10.3897/BDJ.3.e5707)



Taxonomic Paper

Utilizing online resources for taxonomy: a
cybercatalog of Afrotropical apiocerid flies
(Insecta: Diptera: Apioceridae)

Torsten Dikow[‡], Donat Agosti[§]

[‡] National Museum of Natural History, Smithsonian Institution, Washington, DC, United States of America
[§] www.plazi.org, Bern, Switzerland

Apiocera (Ripidosyrma) alastor (Walker, 1849)

- ZooBank [urn:lsid:zoobank.org:act:C4D38C42-45E5-48A0-B55A-29BC06FFB72A](https://zoobank.org/urn:lsid:zoobank.org:act:C4D38C42-45E5-48A0-B55A-29BC06FFB72A)
- original description page online BHL <http://biodiversitylibrary.org/page/38706155>
- original article online BLR <http://dx.doi.org/10.5281/zenodo.30972>
- original article online BHL <http://www.biodiversitylibrary.org/item/119308>
- GBIF <http://www.gbif.org/species/1611657>
- Plazi <http://treatment.plazi.org/id/03EF3D32-FFB6-5C2C-FFF5-FAD25186B0F7>
- Plazi taxon query <http://plazi.cs.umb.edu/GgServer/search?taxonomicName.isNomenclature=true&taxonomicName.exactMatch=true&taxonomicName.order=Diptera&taxonomicName.species=alastor>
- Morphbank (by taxon) <http://www.morphbank.net/Browse/ByImage/?tsn=999022155>
- Encyclopedia of Life <http://eol.org/pages/718862/overview>
- asiloidflies.si.edu distribution map <http://asiloidflies.si.edu/specimen-map-Apioceridae?genus=Apiocera&species=alastor>
- asiloidflies.si.edu specimen table <http://asiloidflies.si.edu/specimen-table-Apioceridae?genus=Apiocera&species=alastor>

Nomenclature:

Asilus alastor Walker 1849: 444

Apiocera (Ripidosyrma) alastor, new combination by Stuckenberg 1968 : 124

Apiocera (Ripidosyrma) africana Paramonov, 1950, new junior synonymy by Yeates 1994 : 124

- ZooBank GUID [B745D2C2-8CB6-4C95-970E-B3C3246B7A73](https://zoobank.org/B745D2C2-8CB6-4C95-970E-B3C3246B7A73)
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Distribution: South Africa (Northern Cape, Western Cape)

Notes: Institutions with specimens: [BMNH](#), [SAMC](#), [ZSMC](#).

- ◇ ZooBank — new + existing names (nomenclatorial acts) — LSID — zoobank.org
- ◇ GBIF — specimen occurrence data — GUID + DOI — gbif.org
- ◇ Biodiversity Literature Repository
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- ◇ Figshare — illustrations — DOI — figshare.com
- ◇ Zenodo — species descriptions in SDD/XML-format — DOI — zenodo.org
 - other general data
- ◇ TreatmentBank — previous taxon treatments — GUID — plazi.org/treatmentbank
- ◇ Simplemappr — distribution maps — PURL — simplemappr.net
- ◇ Lucidcentral — pathway / matrix keys — PURL — lucidcentral.org
 - archived in SDD/XML-format at zenodo.org

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Oliver S. Flint
 Oliver S. Flint, Jr.; Ollie Flint; Oliver Simeon Flint, Jr.;
 Oliver Flint; O.S. Flint Jr.
 * October 10, 1931 – May 18, 2019 †
entomologist, paleontologist
 American entomologist
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Collected From Identified From

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World maps showing collection and identification locations.

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