

ZOOTAXA

228

**Revision of *Ommatius* Wiedemann (Diptera: Asilidae). IV.
Pygommatius subgen. nov. with twenty-five Afrotropical species**

AUBREY G. SCARBROUGH & CLAUDIO G. MARASCIA



Magnolia Press
Auckland, New Zealand

AUBREY G. SCARBROUGH & CLAUDIO G. MARASCIA

**Revision of *Ommatius* Wiedemann (Diptera: Asilidae). IV. *Pygommatius* subgen. nov. with
twenty-five Afrotropical species**

(*Zootaxa* 228)

94 pp.; 30 cm.

4 July 2003

ISBN 1-877354-00-7 (Paperback)

ISBN 1-877354-01-5 (Online edition)

PUBLISHED BY

Magnolia Press

P.O. Box 41383 St. Lukes

Auckland 1030

New Zealand

e-mail: zootaxa@mapress.com

<http://www.mapress.com/zootaxa/>

© 2003 Magnolia Press

All rights reserved.

No part of this publication may be reproduced, stored, transmitted or disseminated, in any form, or by any means, without prior written permission from the publisher, to whom all requests to reproduce copyright material should be directed in writing.

This authorization does not extend to any other kind of copying, by any means, in any form, and for any purpose other than private research use.

ISSN 1175-5326 (Print edition)

ISSN 1175-5334 (Online edition)

Revision of *Ommatius* Wiedemann (Diptera: Asilidae). IV. *Pygommatius* subgen. nov. with twenty-five Afrotropical species

AUBREY G. SCARBROUGH¹ & CLAUDIO G. MARASCIA²

¹ Department of Biological Sciences, Towson University, Baltimore, MD 21252, USA;
ascarbrough@towson.edu

² Viale Le Corbusier 123, 04100 Latina, Italy

Table of contents

Abstract	4
Introduction	4
Materials and methods	5
<i>Pygommatius</i> , new subgenus	6
Species groups	8
Key to the Afrotropical species of the subgenus <i>Pygommatius</i> Scarbrough & Marascia	10
Taxa	16
<i>Ommatius (Pygommatius) alatipes</i> , sp. n.	16
<i>Ommatius (Pygommatius) albatrus</i> Martin	18
<i>Ommatius (Pygommatius) bingeri</i> Oldroyd	20
<i>Ommatius (Pygommatius) brevicornis</i> Curran	22
<i>Ommatius (Pygommatius) caligula</i> Oldroyd	24
<i>Ommatius (Pygommatius) cingulatus</i> Bromley	26
<i>Ommatius (Pygommatius) comosus</i> , sp. n.	28
<i>Ommatius (Pygommatius) dasypogon</i> Oldroyd	30
<i>Ommatius (Pygommatius) digitattus</i> Oldroyd	32
<i>Ommatius (Pygodactalyus) fluvius</i> , sp. n.	34
<i>Ommatius (Pygommatius) grossus</i> , sp. n.	35
<i>Ommatius (Pygommatius) imarginus</i> , sp. n.	37
<i>Ommatius (Pygommatius) jaculator</i> Walker	38
<i>Ommatius (Pygommatius) limbus</i> , sp. n.	40
<i>Ommatius (Pygommatius) litoreus</i> , sp. n.	41
<i>Ommatius (Pygommatius) lulua</i> , sp. n.	43
<i>Ommatius (Pygommatius) magnipes</i> , sp. n.	44
<i>Ommatius (Pygommatius) neglectus</i> Bromley	46

<i>Ommatius (Pygommatius) pectinus</i> , sp. n.	50
<i>Ommatius (Pygommatius) porticus</i> , sp. n.	52
<i>Ommatius (Pygommatius) renudus</i> , sp. n.	54
<i>Ommatius (Pygommatius) segouensis</i> , sp. n.	55
<i>Ommatius (Pygommatius) strigiatus</i> , sp. n.	56
<i>Ommatius (Pygommatius) talus</i> , sp. n.	58
<i>Ommatius (Pygommatius) vultus</i> , sp. n.	60
Acknowledgments	61
References	61

Abstract

A new subgenus of *Ommatius* Wiedemann, *Pygommatius* **subgen. nov.**, is described. Twenty-five Afrotropical species are assigned to this subgenus including *O. albatu*s Martin, *O. bingeri* Oldroyd, *O. brevicornis* Curran, *O. caligula* Oldroyd, *O. cingulatus* Bromley, *O. dasypogon* Oldroyd, *O. digitatus* Oldroyd, *O. jaculator* Oldroyd, and *O. neglectus* Bromley, and the following new species: *O. alatipes*, *O. comosus*, *O. fluvius*, *O. grossus*, *O. imagnus*, *O. limbus*, *O. litoreus*, *O. lulua*, *O. magnipes*, *O. pectinus*, *O. porticus*, *O. renudus*, *O. segouensis*, *O. strigiatus*, *O. talus*, and *O. vultus*. Twenty-three species are placed in the following six species groups: the *bingeri*, the *brevicornis*, the *comosus*, the *grossus*, the *litoreus*, and the *pectinus* groups. *Ommatius ornatipes* (Engel) is officially recognized as a **secondary homonym** of *O. ornatipes* Becker, and *O. neglectus* Bromley a **junior synonym** of *O. ornatipes* (Engel) (**SYN. N.**). Since *Ommatius ornatipes* (Engel) is preoccupied by *O. ornatipes* Becker, *O. neglectus* is recognized as the next available name for *O. ornatipes* (Engel). The male of *O. brevicornis* and the female of *O. albatu*s are described and illustrated for the first time. Illustrations of morphological structures, descriptions, and a key to all species are provided, as well as brief comments on the distribution of the group.

Key words: Diptera, Asilidae, *Ommatius*, new subgenus, *Pygommatius*, Afrotropical species

Introduction

Ommatius Wiedemann, though common, widespread, and extremely speciose (Hull 1962), is in need of a comprehensive review. Except for erecting a few genera from *Ommatius* and adding new species, the concept of the genus remains essentially unchanged since it was originally proposed (Wiedemann 1821). Brief descriptions of species, combined with minimal use of type material for verifying the identification of species, lack of or inadequate illustrations, and failure to recognize the importance of internal structures of the terminalia have contributed to errors in identification and multiple-named species. The absence of effective regional keys for identification of species has further compounded the problem.