

LISTS OF SPECIES

Mayflies (Insecta: Ephemeroptera) of The Gambia.

Michael D. Hubbard

Laboratory of Aquatic Entomology, Florida A&M University, Tallahassee, Florida, USA.
E-mail: michael.hubbard@famu.edu

Abstract: A checklist of the 15 species of Ephemeroptera known from The Gambia is presented.

Introduction

Emms and Barnett recently (2006) published a checklist of the all species recorded within The Gambia, West Africa. In this list they reported that the Ephemeroptera were unrecorded from The Gambia. However, 15 species of mayflies have been reported in the scientific literature from The Gambia.

In this note, intended as a supplement to their checklist, I list those species of Ephemeroptera currently known from The Gambia. Almost all of the mayfly specimens known from The Gambia were collected by the late Mick Gillies in the 1970s and 1980s.

BAETIDAE

***Baetis gambiae* Gillies, 1993**

Gillies (1993) described this species (as *Baetis gambiae*) from the River Gambia at Wali Kunda. [Although Gillies placed this species in *Baetis*, the correct generic placement of this species in the *Labiobaetis/Pseudocloeon* complex is still uncertain; see Lugo-Ortiz and McCafferty 1997, Lugo-Ortiz et al. 1999]

***Bugilliesia sudanensis* (Ulmer, 1915)**

Gillies (1990) reported this species (as *Afroptilum sudanense*) from the River Gambia, Wali Kunda, and from Bansang and Basse.

***Cloeon bellum* Navás, 1931**

Gillies (1980a) reported *Cloeon bellum* from the River Prufu, Basse.

***Cloeon gambiae* Gillies, 1980**

Cloeon gambiae was described from Wali Kunda by Gillies (1980a) who also reported it from Sapu, and River Prufu at Basse.

***Cloeon perkinsi* Barnard, 1932**

Gillies (1980a) reported *Cloeon perkinsi* from Abuko, Keneba, Wali Kunda, Bansang, and Fatoto.

***Cloeon scitulum* Kimmins, 1955**

Gillies (1980a) reported *Cloeon scitulum* from Wali Kunda.

***Cloeon smaeleni* Lestage, 1924**

Gillies (1963) reported that he had collected this widely distributed tropical African species in Gambia. He later (Gillies 1980a) reported *Cloeon smaeleni* from Abuko, Keneba, Wali Kunda, and Basse.

***Cloeodes dentatus* (Kimmins, 1956)**

Gillies (1988) reported this species (as *Cloeon dentatum*) from the River Gambia, Fatoto.

***Procloeon cylindroculum* Kimmins, 1955**

This species was reported (as *Cloeon cylindroculum*) from the River Gambia, Wali Kunda, by Gillies (1980a).

***Securiops mutadens* Jacobus, McCafferty & Gattolliat, 2006**

Securiops mutadens was reported from Fatoto by Gillies (1988; misidentified as nymphs of *Cloeon dentatum*).

LISTS OF SPECIES

CAENIDAE

***Caenis antelucana* Malzacher, 1990**

Malzacher (1990) described *Caenis antelucana* from "Gambia: Wali Kunda".

***Caenis brevipes occidentalis* Malzacher, 1993**

Malzacher (1993) described this subspecies from "Gambia: Basse und Wali Kunda" and from Senegal.

***Caenis cibaria kunda* Malzacher, 1993**

Malzacher (1993) described this subspecies from "Wali Kunda" and "Basse", Gambia.

EPHEMERIDAE

***Fromera evae* Gillies in McCafferty and Gillies, 1979**

Gillies (McCafferty and Gillies 1979) described *Fromera evae* from Wali Kunda and also reported it from Bansang.

EUTHYPLOCIIDAE

***Exeuthyplocia minima* (Ulmer, 1915)**

Exeuthyplocia minima was reported from the River Gambia at Bansang by Gillies (1980b).

Acknowledgement

I thank Jean-Luc Gattolliat, of the Musée Cantonal de Zoologie, Lausanne, for helpful discussion.

Literature cited

- Emms, C. and L. K. Barnett. 2006. Gambian Biodiversity: A provisional checklist of all species recorded within The Gambia, West Africa. Serrekunda: Makasutu Wildlife Trust, 37 p.
- Gillies, M. T. 1963. A list of Ephemeroptera in the National Museum, Bulawayo, Southern Rhodesia. Entomologist's Monthly Magazine 98: 232-233.
- Gillies, M. T. 1980a. An introduction to the study of *Cloeon* Leach (Baetidae, Ephemeroptera) in West Africa. Bulletin de l'Institut français d'Afrique Noire, sér. A, 42: 135-156.
- Gillies, M. T. 1980b. The African Euthyplociidae (Ephemeroptera) (Exeuthyplociinae subfam. n.). Aquatic Insects 2: 217-224.
- Gillies, M. T. 1988. Descriptions of the nymphs of some Afrotropical Baetidae (Ephemeroptera). I. *Cloeon* Leach and *Rhithrocloeon* Gillies. Aquatic Insects 10: 49-59.
- Gillies, M. T. 1990. A revision of the African species of *Centroptilum* Eaton (Baetidae, Ephemeroptera). Aquatic Insects 12: 97-128.
- Gillies, M. T. 1993. Descriptions of some Afrotropical Baetidae (Ephemeroptera). II. *Baetis* Leach, s.l., West African species. Aquatic Insects 15: 213-223.
- Lugo-Ortiz, C. R. and W. P. McCafferty. 1997. *Labiobaetis* Novikova & Kluge (Ephemeroptera: Baetidae) from the Afrotropical region. African Entomology 5(2): 241-260.
- Lugo-Ortiz, C. R., W. P. McCafferty, and R. D. Waltz. 1999. Definition and reorganization of the genus *Pseudocloeon* (Ephemeroptera: Baetidae) with new species descriptions and combinations. Transactions of the American Entomological Society 124(1-2): 1-37.
- Malzacher, P. 1990. Caenidae der äthiopischen Region (Insecta: Ephemeroptera). Teil 1. Beschreibung neuer Arten. Stuttgarter Beiträge zur Naturkunde, Serie A (Biologie) 454: 1-28.
- Malzacher, P. 1993. Caenidae der äthiopischen Region (Insecta: Ephemeroptera). Teil 2. Systematische Zusammenstellung aller bisher bekannten Arten. Mitteilungen der schweizerischen entomologischen Gesellschaft. 66: 379-416.
- McCafferty, W. P. and M. T. Gillies. 1979. The African Ephemeridae (Ephemeroptera). Aquatic Insects 1: 169-178.

Received January 2007

Accepted April 2007

Published online August 2007