NIGERIAN BUTTERFLIES

free electronic field guides
by OSKAR BRATTSTRÖM

WHAT IS IT AND WHO IS IT FOR?

Nigerian Butterflies is a new series of electronic field guides for your mobile phone, aimed at amateurs and experienced naturalists alike. It is developed and maintained by Dr. Oskar Brattström, a Swedish biologist that have studied Nigerian butterflies in the field for the past fifteen years.

HOW CAN I DOWNLOAD MY FREE COPY?

The guides are completely free and will be gradually published (starting in November 2020) as a growing set of standalone chapters describing different groups of butterflies. All chapters and updates will be available from: **www.bicyclus.se**

WHAT DO I NEED TO READ THE FILES?

To use the guides on your phone or tablet you first need to download the chapters you want and store on your phone or a suitable cloud service. You also need to have a compatible **EPUB** reader installed. For iPhone and iPad users your devices comes pre-installed with the 'Books' app that allows all the functions of the guides. For Android

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users, most apps will distort the layout, but there are free apps verified to work. Click the icon to the left to download the recommended Android EPUB app: **Reasily - EPUB Reader**



ANY BLUE TEXT IS A CLICKABLE LINK TAKING YOU DIRECTLY TO A SIMILAR OR RELATED SPECIES

EACH CHAPTER HAS AN INDEX OF LINKS TAKING YOU QUICKLY TO EACH OF THE INCLUDED GENERA

DATE OF LAST UPDATE ALWAYS VISIBLE AT TOP RIGHT CORNER

SAMSUNG

WHITES & SULPHURS (PIERIDAE)

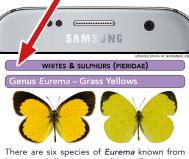
olotis antevippe antevippe (Boisduval, 1836)

The male apical patch is a strong orange-red, sometimes bordered by black on the inside, making it somewhat similar to the Round-winged Orange Tip (Colotis euippe). However, the latter species always has a broader black margin around the whole apical patch. In the wet season the ventral surface often has strong black scaling along all the veins in both sexes, while the dry season form is less marked (lower images). The female always has a black bar inside the paler orange patch at the forewing tip. Small specimens of both sexes can be mistaken for the Tiny Orange Tip Colotis evagore).





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There are six species of Eurema known from Nigeria and all are quite small butterflies that can usually be indentified by a combination of their wing shape and patterns. In general, the females are paler than the males, and often with broader dark markings. However, all species are quite variable, and seasonal morphs vary with more dark dorsal markings in the wet season morphs, while dry season morphs have more ventral patterning Males of the three species E. hecabe, floricola and

sanegalensis all have a dark androconial patch along a basal vein on the ventral forewing (arrow on image to right). To identify Eurema to species level you begin by studying the shape of the inner margin of the black forewing patch (scroll down for a more detailed identification guide).

Scroll down for identification guide!

SOME PAGES CONTAINS MORE DETAILED IDENTIFICATION KEYS THAT CAN BE REACHED BY SCROLLING DOWN THE PAGE

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