

# Description of the hitherto unknown female of *Zekelita stefanieae* LÖDL, 1999 (Lepidoptera: Noctuidae: Hypeninae)

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## Abstract

The female of *Zekelita stefanieae* LÖDL, 1999 is described for the first time. The adult as well as the genitalia structure are illustrated.

## Zusammenfassung

Das Weibchen von *Zekelita stefanieae* LÖDL, 1999 wird zum ersten Mal beschrieben. Das Adulte sowie die Genitalien werden abgebildet.

**Key words:** Ethiopian Region, Hypeninae, *Zekelita*.

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## Introduction

Based on a male LÖDL (1999) described a new *Zekelita* WALKER, 1863 species: *Zekelita stefanieae* LÖDL, 1999. In the meantime two females could be located both in the collection of the Museum of Natural History in Vienna (NHMW) and The Natural History Museum, London (BMNH). The female is described and illustrated in this paper.

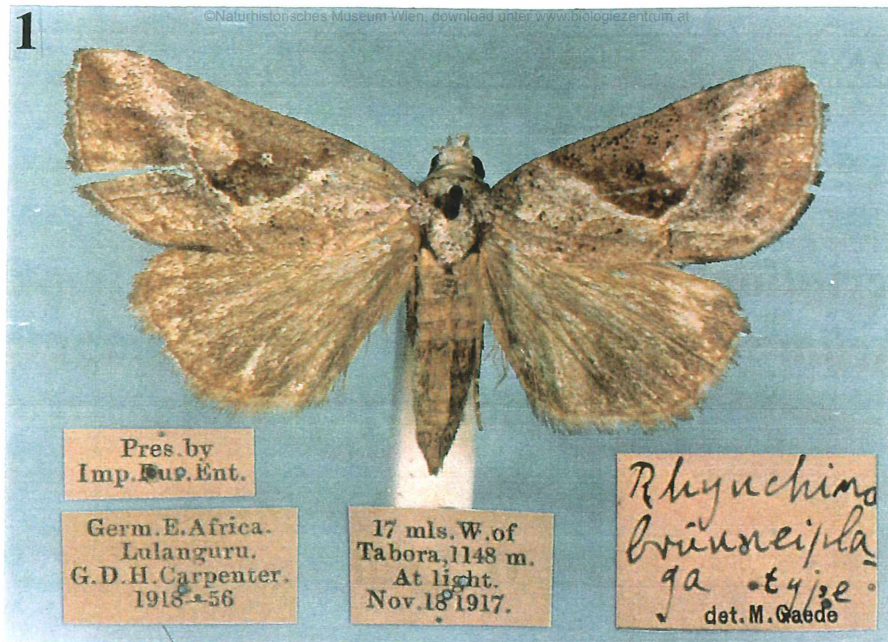
## *Zekelita (Zekelita) stefanieae* LÖDL, 1999

(Figs. 1-5)

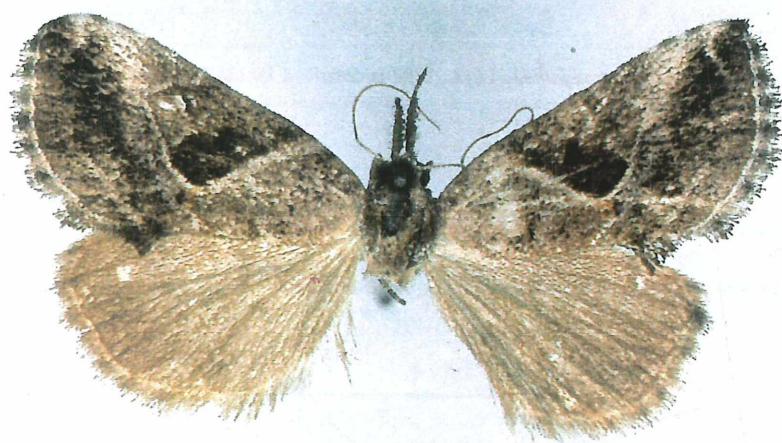
### Material examined:

**Tanzania:** 1 ♀, "Germ. E. Africa. Lulanguru. G.D.H. Carpenter. 1918-56 \ Pres. by Imp. Bur. Ent. \ 17 mls. W of Tabora, 1148 m. At light. Nov 18 1917 \ Rhynchina brunneiplaga type det. M. Gaede \ Noctuidae Brit. Mus. slide No. 16486 ♀" (BMNH) (Fig. 1).- 1 ♀, "Tanganyika-Terr., Matengo-Hochland wsw. v. Songea, 11.-20.III.'36. Zerny \ Ugano 15-1700 m" [abdomen missing] (NHMW) (Fig. 2).

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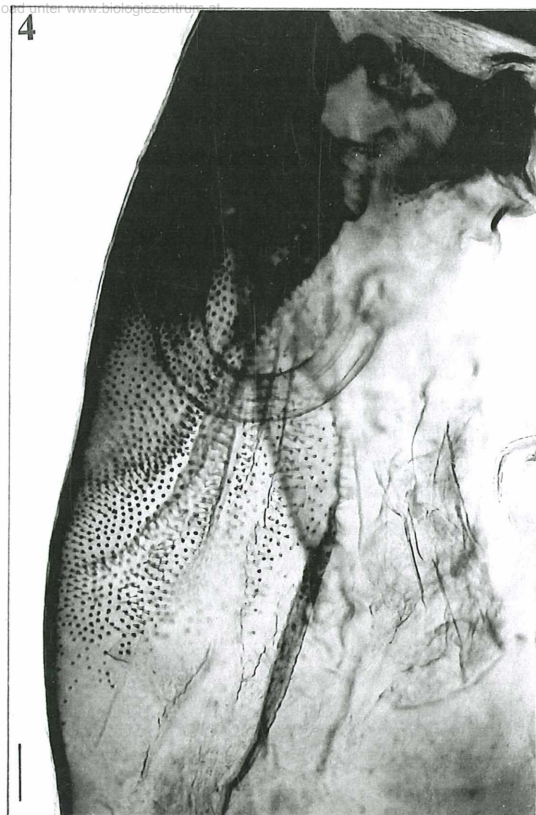
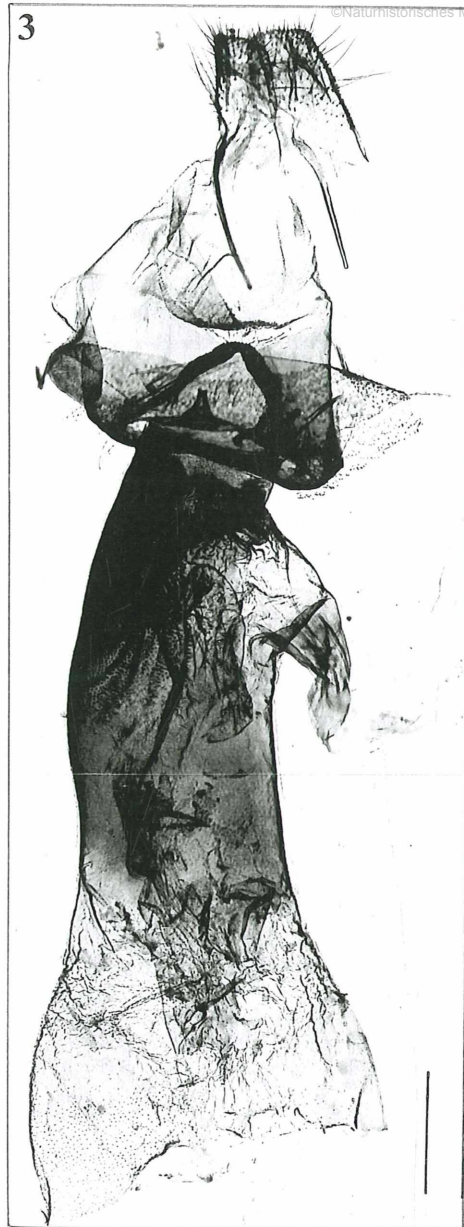
2



Figs. 1-2:

Fig. 1: *Zekelita (Zekelita) stefanieae* LÖDL, 1999 ♀, Noctuidae Brit. Mus. slide No. 16486 (BMNH).

Fig. 2: dto.- (NHMW).



**Figs. 3-5** *Zekelita (Zekelita) stefanieae* LÖDL., 1999. ♀-genitalia, Noctuidae Brit. Mus. slide No. 16486:

**Fig. 3:** Genitalia, total. Scale = 0.5 mm.- **Fig. 4:** Caudal part of bursa with sclerotized spines. Scale = 0.1 mm.- **Fig. 5:** Sterigma. Scale = 0.1 mm.

## Description of the ♀:

**Head:** Head with whitish scales with beige or reddish brown tips. Antennae shortly ciliate, dorsal margin whitish, speckled with brown scales. Labial palps grey and brown, porrect.

**Thorax and abdomen:** Whitish or greyish with reddish brown and dark brown scales.

**Wings:** Wingspan = 21 mm. Slightly more rounded than in the ♂. Wing pattern identical with the ♂ (LÖDL 1999: 206).

**♀-genitalia** (Figs. 3-5): Total length = 5 mm. Relatively small papillae anales with very long apophyses posteriores. The ostium area is specified by a clasp-like lamella postvaginalis which is densely covered with spines (Fig. 5) and a broadly sclerotized lamella antevaginalis which wears two horns (Fig. 5). The ductus bursae is a broad socket and the bursa is slightly sclerotized and covered with small spines in the caudal half (Fig. 4). The ductus seminalis runs ventrally into the bursa in the caudal fifth and forms a broad, cervix-like base. The ductus seminalis then exhibits a big, skinny swelling. The cephal part of the bursa is rounded and skinny, covered inside with very fine spines.

„*Rhynchina brunneiplaga*“ is a nomen nudum ex collectionis BMNH.

Due to the knowledge of the anatomic features of the ♀ the placement of the species in the subgenus *Zekelita* WALKER, 1863 (LÖDL 1999: 208) is confirmed.

## Literature

LÖDL, M. 1999: *Zekelita stefanieae* sp.n., a new Hypeninae from Tanzania (Lepidoptera: Noctuidae). – *Quadriana* 2: 205-208.

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