

# Entomofauna

ZEITSCHRIFT FÜR ENTOMOLOGIE

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Band 3, Heft 5      ISSN 0250-4413      Linz, 10. März 1982

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***Trichiura verenae witti* ssp.n.**  
(Lepidoptera, Lasiocampidae)

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## **Abstract**

A new subspecies of *Trichiura verenae* WITT, 1980, from Southwestern Bulgaria is described. The description includes both male and female, the latter of the nominate form from Asia minor still remaining unknown. The new taxon illustrates the connections of the South-East-European fauna with that of Anatolia.

## **Zusammenfassung**

Eine neue Unterart von *Trichiura verenae* WITT, 1980, wird aus Südwestbulgarien beschrieben. Die Beschreibung beinhaltet beide Geschlechter, wobei das Weibchen der Nominatunterart aus Kleinasien noch unbekannt ist. Das neue Taxon ist ein Beispiel für die Verbindungen der südosteuropäischen Fauna zur Fauna Anatoliens.

The material was collected in Southwestern Bulgaria in late autumn during the last several years. It belongs to

the recently described species *Trichiura verenae* WITT, 1980, found at Kicilcahaman, Asia Minor. The occurrence of this species in Europe reveals the zoogeographic connections between Asia Minor and Southeastern Europe, the Balkan peninsula in particular.

The comparison of the genitalia showed some differences providing reasons for distinguishing a new subspecies, *Trichiura verenae witti* ssp.n., based on the individuals found in Bulgaria.

### Description

♂: Wings same as those of the typical form. Antennae pectinated. Thorax with long, dark grey hairs. Abdomen grey-brown, ending with a bunch of long dark grey hairs. Wingspan 27-30 mm.

♀: Female of the nominate form unknown. Colour of forewings grey-brown to grey-black. Transverse veins slightly visible. The colour between the veins darker. Hindwings uniformly grey coloured. Thorax covered with long grey-black hairs like that of the males. Abdomen grey-brown, ending with white hairs. Antennae filamentous.

♂ genitalia: Uncus and gnathos like those of the typical form. Valvae narrower. Processus of sacculus considerably reduced. Aedoeagus curved, rounded on both sides.

♀ genitalia: Tergite VIII and apophyses anteriores like those of *Trichiura crataegi* (LINNAEUS, 1758). Papillae anales with tapering upper ends. Apophyses posteriores almost twice as long as apophyses anteriores. Lodix similar to that of *Trichiura crataegi* (LINNAEUS, 1758).

Holotype ♂: Southwestern Bulgaria, Konyavska mountain, Skakavitsa railway station, 500 m, ab.s.l., 18.X.1981, leg. G a n e v (Fig.4a).

Allotype ♀: Southwestern Bulgaria, Konyavska mountain, Skakavitsa railway station, 500 m, 15.X.1979, leg. G a n e v (Fig.4b).

Paratypes: 55 specimens from the same locality. 1♂ 21.X.1978, 23♂♂ 2♀♀ 15.X.1979, 10♂♂ 1♀ 15.X.1980, 15♂♂ 3♀♀ 18.X.1981, leg. G a n e v.

Holotype and 44 paratypes in my collection, 5 paraty-

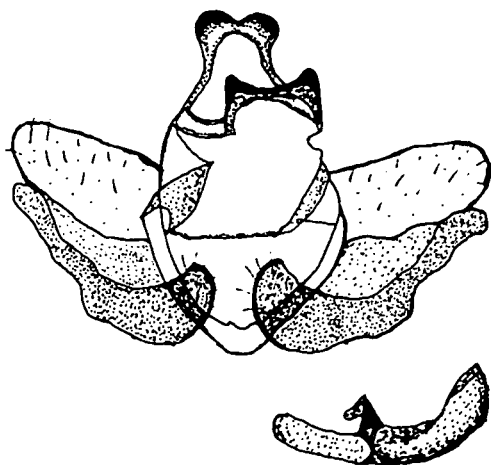


Fig.1: *Trichiura verenae witti* ssp.n. - ♂ genitalia  
S.W.Bulgaria, Konyavska mountain, Skakavitsa railway  
station, 500 m, 18.X.1981, leg. et coll. G a n e v.  
Paratype

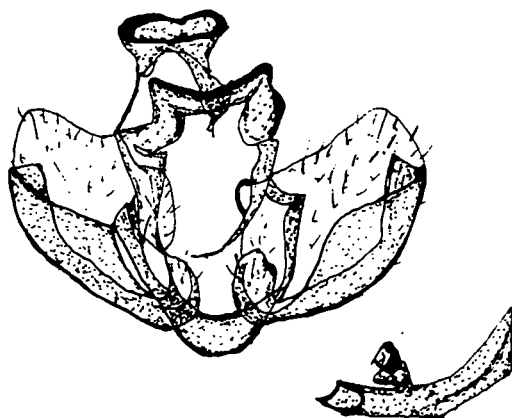


Fig.2: *Trichiura verenae* WITT, 1980 - ♂ genitalia  
Asia min.. Kicilcahama, 18.-23.9.1968, F r i e d e l  
leg., coll. W i t t (genitalia slide no.2294).  
Paratype



Fig.3: *Trichiura verenae witti* ssp.n. - ♀ genitalia  
S.W.Bulgaria, Konyavska mountain, Skakavitsa railway station, 500 m, 18.X.1981, leg et coll. G a n e v.  
Paratype

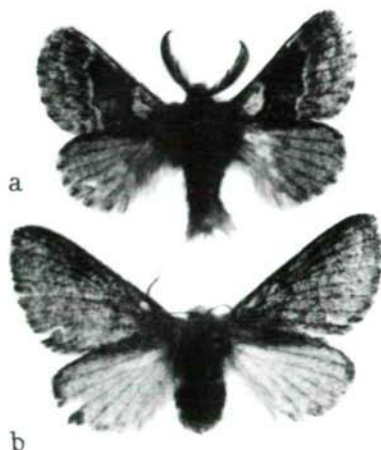


Fig.4: *Trichiura verenae witti* ssp.n.

- a) Holotype ♂: S.W.Bulgaria, Konyavska mountain, Skakavitsa railway station, 500 m, 18.X.1981, leg. et coll. G a n e v.
- b) Allotype ♀: same locality, 15.X.1979, leg. G a n e v, coll. W i t t.

pes in the collection of the National Natural History Museum, Sofia, 2 paratypes in the collection of the Natural History Museum, Vienna, allotype and 4 paratypes in the collection Thomas Witt, Munich.

### References

Witt, T. - 1981. *Trichiura verenae* sp.n. (Lepidoptera, Lasiocampidae). - *Entomofauna*, 2(23):263-284.

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Zeitschrift/Journal: [Entomofauna](#)

Jahr/Year: 1982

Band/Volume: [0003](#)

Autor(en)/Author(s): Ganev Julius

Artikel/Article: [Trichiura verенаe witti ssp.n. \(Lepidoptera, Lasiocampidae\). 57-61](#)