

# On the type specimens of two species of *Gymnosoma* Meigen, 1803 described by B.B. Rohdendorf in the collection of the Zoological Institute, St. Petersburg (Diptera: Tachinidae)

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Lectotypes are designated for *Rhodogyne clavatum* Rohdendorf, 1947 and *Rhodogyne desertorum* Rohdendorf, 1947, both currently recognized as valid species in the genus *Gymnosoma* Meigen, 1803.

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## Introduction

*Gymnosoma clavatum* and *G. desertorum* were described in the genus *Rhodogyne* by Rohdendorf (1947) without specific data about the type material and without a holotype designation. Rohdendorf gave distributions rather than type localities for each species, citing *G. clavatum* from the south of the European part of the USSR and Middle Asia, and *G. desertorum* from Middle Asia.

Zimin (1966), in his review of the tribe Gymnosomatini of the USSR fauna, based his study on the collection of the Zoological Institute, Russian Academy of Sciences, and pointed out that he received from Rohdendorf "the holotypes" of the two aforementioned species which were actually syntypes. He cited label data for the "holotype" of *G. desertorum*, but merely mentioned the "holotype" of *G. clavatum*.

The results of my examination of the type material of *G. clavatum* and *G. desertorum* in the collection of the Zoological Institute, Russian Academy of Sciences, are given below.

### *Gymnosoma clavatum* (Rohdendorf), 1947

*Rhodogyne clavatum* Rohdendorf, 1947: 84.

In the collection, there is a male with a label in Russian "Bukhara [railway] st[ation], 2.VI.[19]25, a handwritten identification label by Rohdendorf: "*Rhodogyne clavatum* m[ihi], B. Rohdendorf det., 1947", golden square label and red holotype label. This is the only specimen with a Rohdendorf's identification label and in the interests of nomenclatural stability I hereby designate it as the lectotype of *Rhodogyne clavatum* Rohdendorf. The

other possible syntypes of the original type series are not labeled as such and are not distinguishable from other specimens of the same species in the collection. Therefore, no paralectotypes of *R. clavatum* can be identified.

### *Gymnosoma desertorum* (Rohdendorf), 1947

*Rhodogyne desertorum* Rohdendorf, 1947: 84.

In the collection there are five males and one female from the same locality, four of them with the identification labels handwritten by Rohdendorf. Two of the latter, both males, also have a golden square label, and one of them has an additional note "typus". Zimin later attached a red holotype label to the specimen marked as "typus" and attached a red allotype label to the other specimen bearing a Rohdendorf identification label and a golden square label. However, the allotype is not a female, but another male. Given that Rohdendorf (1947) did not select the holotype and Zimin (1966) did not designate the lectotype, the labeling of a syntype as "typus" and "holotype" did not validate that specimen as the single primary type. In the interests of nomenclatural stability I hereby designate the following specimen as lectotype of *Rhodogyne desertorum* Rohdendorf.

Lectotype: male, with a printed label (translated from Russian): "Ak-yaila, r[iver] Atrek, Turkmen[ia], 7.VIII.[19]32 (Ushinsky)" [cited as "7 VII 1932" by Zimin (1966), in error], a handwritten identification label "*Rhodogyne desertorum* m[ihi], typus, B. Rohdendorf det., 1947", a golden square label, and indicated as holotype on a red label.

Paralectotypes: 1 male with same labels, but without inscription “typus” on the identification label and indicated as allotype on a red label; 1 female with the same locality label and an identification label “*desertorum* m[ihi], B. Rohdendorf det.”; 1 male with the same locality label but without an identification label; 1 male with the same locality label but with the date “25.IX.1932” and an identification label “*desertorum* m[ihi], B. Rohdendorf det.”; 1 male with the same locality label but with the date “24.IX.1932” and without an identification label. There is no evidence in the collection of any paralectotypes from other localities.

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