



## Notes on four pholcid spiders (Araneae: Pholcidae) described by T. Thorell from Southeast Asia

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### Abstract

The Southeast Asian pholcids *Belisana tauricornis* Thorell, 1898, *Pholcus gracillimus* Thorell, 1890, *P. quinquenotatus* Thorell, 1878 and *Spermophora thorelli* Roewer, 1942 are redescribed on the basis of the type material.

**Key words:** Taxonomy, morphology, diagnosis, Indonesia, Myanmar, Burma

### Introduction

Swedish arachnologist Tord Thorell (1830–1901) described more than 1,000 species of spiders (Platnick 2012) including four pholcids from Southeast Asia: *Belisana tauricornis*, *Pholcus gracillimus*, *P. quinquenotatus* and *Spermophora maculata* (Thorell 1878, 1890, 1898). Unfortunately, he did not provide images of these species. Furthermore, the name *S. maculata* was later found to be preoccupied and Roewer (1942) substituted the name *S. thorelli*. Workman (1896) and Deeleman-Reinhold (2001) provided some images of *P. gracillimus* and *P. quinquenotatus*, but the genitalia were not illustrated in detail. Recently, Huber (2011) provided detailed descriptions and illustrations of *P. gracillimus* and *P. quinquenotatus*, but he misidentified *P. gracillimus* (see Taxonomy, below).

In this paper, we present redescrptions of these four pholcid species, based on examination of the type material.

### Material and methods

Left pedipalpi of male spiders were illustrated, except as otherwise indicated. Epigyna were treated in 10% warm solution of potassium hydroxide (KOH) before illustration. Photos were taken with an Olympus C7070 wide zoom digital camera (7.1 megapixels) mounted on a LEICA M205 C stereomicroscope. All measurements are given in millimeters unless noted otherwise. Terminology and taxonomic descriptions follow Huber (2000, 2009). The type specimens examined are deposited in the Museo Civico di Storia Naturale 'Giacomo Doria', Genova, Italy (MSNG).

The following abbreviations are used in the descriptions: ALE=anterior lateral eye, AME=anterior median eye, PME=posterior median eye; used in the illustrations: a=appendix, b=bulb, ba=bulbal apophysis, e=embolus, ep=epigynal pocket, pp=pore plate, pr=procursus, u=uncus.