



## A new species and new records of *Tinus* F. O. Pickard-Cambridge, 1901 (Araneae: Pisauridae)

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The spider genus *Tinus* F. O. Pickard-Cambridge, 1901 was revised by Carico (1976) and currently comprises nine species distributed from Mexico to Panama (Platnick, 2012). The most recently described species is *Tinus oaxaca* Carico, 2008, based on a single male from Mexico (Carico 2008). In this work a new species of *Tinus* is described and illustrated for the first time.

The material examined is deposited in the California Academy of Sciences (CAS). The nomenclature of the female epigynum structures follows Carico (1976). To study the excised epigyna, the soft tissue was removed by a combination of dissection with a small surgical blade and immersion in the enzyme trypsin for 48 hours at 25°C. All the measurements are in millimeters. Abbreviations related to eye measurements: OQA = width of ocular quadrangle anteriorly or width of anterior median eyes, OQP = width of ocular quadrangle posteriorly or width of posterior median eyes, OQH = height of ocular quadrangle or height of anterior median eye and posterior median eye, PLE = diameter of posterior lateral eye, PME = diameter of posterior median eye, ALE = diameter of anterior lateral eye, AME = diameter of anterior median eye, PLE-PME = interdistance between posterior lateral eye and posterior median eye, PME-PME = interdistance between posterior median eyes, ALE-AME = interdistance between anterior lateral eye and anterior median eye, AME-AME = interdistances between anterior median eyes. Distributional maps were made using the program Croizat 1.16 (Cavalcanti, 2009).

### Taxonomy

#### Family Pisauridae Simon, 1890

#### Genus *Tinus* F.O. Pickard-Cambridge, 1901

**Type species.** *Tinus nigrinus* F.O. Pickard-Cambridge, 1901, by original designation.

#### *Tinus schlingeri* new species

Figs 1–5

**Type.** Female holotype from Chiapas, Puebla Nueva Camp, Mexico [16°08'51.36"N, 92°24'45.62"W], 19.XI.1953, E. I. Schlinger (CAS 9046686).

**Etymology.** The specific name is a patronym in honor of Evert Irving Schlinger, who collected the type specimen.

**Diagnosis.** The female of *Tinus schlingeri* **sp. nov.** resembles those of *T. palictlus* Carico, 1976 by the long lateral lobes (LL) (Carico, 1976: 76, figs. 28, 29), but can be distinguished by the large and elongated scape-like projection of the middle field (MF) (Fig. 4).

**Description.** Female (Holotype, Chiapas, Mexico, CAS 9046686). Total length 19.28. Carapace, 8.11 long, 7.44 wide, light brown; fovea marked (Fig. 2). Clypeus light brown, with a median yellow spot, 0.74 high (Fig. 3). Anterior eye row straight, 1.55 wide; posterior recurved 2.44 wide (Fig. 3). Eye diameters, interdistances, and median ocular quadrangle: AME 0.24, ALE 0.21, PME 0.34, PLE 0.27; AME-AME 0.22, AME-ALE 0.18, PME-PME 0.40, PME-PLE 0.35, OQA 0.62, OQP 1.11, OQH 0.89. Chelicerae reddish-brown, bristly (Fig. 3); promargin and retromargin of fang