



A new species of the genus *Prethopalpus* from Hainan Island, China (Araneae: Oonopidae)

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Oonopidae are very small (1–3 mm), haplogyne spiders that occur throughout the temperate and tropical regions of the world (Ubick 2005). Recently, a series of papers on the Oonopidae of Hainan Island was published (Tong & Li 2008, 2009, 2010, 2011, 2012). Endowed with a wealth of natural resources that include tropical forests, mountains, mangroves, and beaches, Hainan is recognized as one of the most biologically diverse regions in the world (Ouyang *et al.* 2001). At present, a total of six genera and 28 species of oonopids have been recorded from Hainan (Platnick 2012).

In 2011, while sorting leaf litter samples from Hainan, we found nine females of a new species of oonopid spider. A recent expedition to Hainan (March–April 2012) yielded some additional specimens of this species, including males. The new species is unusual in having a deeply incised labium and peculiarly modified male endites and chelicerae. However, the genitalia resemble those of the genus *Prethopalpus* Baehr *et al.* (2012). Hence, we tentatively place the species in *Prethopalpus*.

Our methods follow Tong & Li (2012). Measurements are in millimeters. The specimens have been deposited in the Institute of Zoology, Chinese Academy of Sciences, Beijing (IZCAS) and in the collection of the Chemistry and Life Science College, Shenyang Normal University (SYNU). The following abbreviations are used: ALE = anterior lateral eyes; apo = apodemes; bc = book lung covers; dis = dark internal structure; fs = flattened setae; PLE = posterior lateral eyes; PME = posterior median eyes; psr = postepigastric scutum ridge; sd = shallow depression; sp = spermatheca; spp = sharply pointed projection; tsc = T-shaped sclerite.

Genus *Prethopalpus* Baehr *et al.*, 2012

Prethopalpus hainanensis sp. nov.

Figures 1A–J, 2A–H, 3A–D

Type material: Holotype: male (IZCAS AR 19377), sifting leaf litter, China: Hainan, Diaoluoshan, 18.72773°N, 109.86532°E, 1008 m, 5 April 2012, leg. Z. Chen, J. Bian & Y. Tong. **Paratypes:** 1 male, 10 females (IZCAS AR 19377), same data as holotype.

Other material studied: CHINA: Hainan: 4 females (IZCAS AR 19378), sifting leaf litter, Diaoluoshan, 18.72935°N, 109.86470°E, 1000 m, 3 April 2012, leg. Z. Chen, J. Bian & Y. Tong; 1 male, 1 female (SYNU 1), sifting leaf litter, Diaoluoshan, 18.72962°N, 109.86234°E, 939 m, 3 April 2012, same collectors; 2 males, 5 females (SYNU 2), sifting leaf litter, Diaoluoshan, 18.72591°N, 109.87121°E, 937 m, 4 April 2012, same collectors; 3 females (SYNU 3), sifting leaf litter, Diaoluoshan, 18.72751°N, 109.87634°E, 940 m, 4 April 2012, same collectors; 1 female (IZCAS AR 19366), sifting leaf litter, Lingshui, Diaoluoshan, 3 kilometers on the road to the Waterfall, 920 m, 18°43.505'N, 108°52.104'E, 21 April 2011, leg. Y. Zhou; 1 female (IZCAS AR 19367), sifting leaf litter, Lingshui, Diaoluoshan, 3 kilometers on the road to the Waterfall, 920 m, 18°43.505'N, 108°52.104'E, 21 April 2011, leg. Y. Zhou; 2 females (IZCAS AR 19368), sifting leaf litter, Lingshui, Diaoluoshan, God Tree direction, 18 April 2011, leg. Y. Zhou; 1 female (IZCAS AR 19368), sifting leaf litter, Lingshui, Diaoluoshan, South of Holiday Village, 20 April 2011, leg. Y. Zhou; 1 female (IZCAS AR 19369), sifting leaf litter, Lingshui, Diaoluoshan, East of Holiday Village, 22 April 2011, leg. Y. Zhou; 2 males, 7 females (SYNU 4), sifting leaf litter, Wuzhishan, 18.90217°N, 109.68725°E, 920 m, 2 April 2012, leg. Z. Chen, J. Bian & Y. Tong; 2 males, 7 females (IZCAS AR 19376), sifting leaf litter, Wuzhishan, 18.90186°N, 109.68314°E, 748 m, 31 March 2012, same collectors; 2 females (IZCAS AR 19383), sifting leaf litter, Wuzhishan,