



<http://dx.doi.org/10.11646/zootaxa.3691.4.5>

<http://zoobank.org/urn:lsid:zoobank.org:pub:8EB17C77-7FD5-414C-85E8-E3C0122AB37B>

A new species of *Dolomedes* Latreille, 1804 (Araneae: Lycosoidea: Pisauridae) from Madagascar

ESTEVAM L. CRUZ DA SILVA¹ & CHARLES E. GRISWOLD²

¹*Division of Insects, Field Museum of Natural History, 1400 S Lake Shore Drive, Chicago, IL, 60605, USA.*

E-mail: estevamsilva@gmail.com

²*Department of Entomology, California Academy of Sciences, 55 Music Concourse Drive, San Francisco, CA 94118, USA.*

E-mail: cgriswold@calacademy.org

The genus *Dolomedes* Latreille, 1804 present a very wide range of distribution on every continent except Antarctica (Platnick 2013) However, only one species has been reported from Madagascar, *Dolomedes saccalavus* Strand, 1907, which is unfortunately based on a juvenile specimen and was destroyed in wartime. We consider this a *nomen dubium*.

In this work, one new species of *Dolomedes* Latreille, 1804 is described and illustrated from Madagascar. Distributional maps are provided.

Specimens were examined using a Zeiss Stemi SV 6 stereomicroscope equipped with a camera lucida. For scanning electron microscopy (SEM), structures were excised, air-dried and mounted on stubs with double-sided adhesive tape. Specimens were sputter coated with gold and examined using a Philips XL 30. The structures of the male palpi did not shrink or deform during the SEM process. All measurements are in millimeters. The nomenclature of the male palp structures follows Carico (1973) and Sierwald (1990). Photographs were made using a Sony W560 attached to the stereomicroscope. Distributional maps were made with the programs Google Earth 6.2 and Croizat version 1.16b (Cavalcanti 2009).

The material examined is deposited in the California Academy of Sciences, San Francisco, USA (CAS) (curator C. E. Griswold).

Abbreviations related to eye measurements: OQA = width of ocular quadrangle anteriorly, which is equivalent to the outer distance of anterior median eyes, OQP = width of ocular quadrangle posteriorly, which is equivalent to the outer distance of posterior median eyes, OQH = height of ocular quadrangle, which is equivalent to the outer distance of anterior median eyes and posterior median eyes, PLE = posterior lateral eye, PME = posterior median eye, ALE = anterior lateral eye, AME = anterior median eye, PLE-PME = distance between posterior lateral eye and posterior median eye, PME-PME = distance between posterior median eyes, ALE-AME = distance between anterior lateral eye and anterior median eye, AME-AME = distance between anterior median eyes.

Taxonomy

Pisauridae Simon, 1890

Dolomedes Latreille, 1804

Dolomedes Latreille, 1804: 135; Carico, 1973: 448.

Type species. *Araneus fimbriatus* Clerck 1757, by subsequent designation of Walckenaer (1805).

Diagnosis. The genus is similar to *Bradystichus* Simon, 1884 from New Caledonia in eye pattern, cheliceral teeth and shape of the female and male copulatory organs (Platnick & Forster 1993), but can be distinguished from the latter by *Dolomedes* having femora I, II and III with five prolateral and retrolateral spines respectively; spermatheca of the female with a basal accessory bulb (Carico 1973: 462, fig. 51); and base of the median apophysis of the male palpal organ lacking a hooked projection (Carico 1973: 458, fig. 28) (Zhang *et al.* 2004).

Description. For complete description, see Carico (1973).

Distribution. Worldwide (Platnick 2013).