



Description of the male of *Dolomedes raptoroides* Zhang, Zhu & Song, 2004 (Araneae: Lycosoidea: Pisauridae)

ESTEVAM L. CRUZ DA SILVA¹, ANNE GIBBONS² & PETRA SIERWALD¹

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

E-mail: estevamsilva@gmail.com; psierwald@fieldmuseum.org

²University of Michigan, 500 S State Street, Ann Arbor, MI, 48109, USA. E-mail: aegibbons17@gmail.com

Dolomedes Latreille, 1804 is the most diverse genus in Pisauridae, with 98 described species and a wide range of distribution on every continent, except Antarctica (World Spider Catalog 2014). The genus has never been comprehensively revised. Roewer's (1955) monograph covered African species of the genus; Carico (1973) revised the Nearctic species; Vink & Dupérré 2010 revised the four *Dolomedes* species of New Zealand.

Zhang *et al.* (2004) revised the nursery web spiders from China, and described two new species of *Dolomedes*: *D. raptoroides* and *D. costatus*, both based on females. In the same paper, eight *Dolomedes* species are redescribed and illustrated: *D. chinesis* Chamberlin, 1924 (female), *D. mizhoanus* Kishida, 1936 (male and female), *D. nigrimaculatus* Song & Chen, 1991 (male and female), *D. raptor* Bösenberg & Strand, 1906 (male and female), *D. saganus* Bösenberg & Strand, 1906 (male and female), *D. senilis* Simon, 1880 (male and female), *D. stellatus* Kishida, 1936 (male and female) and *D. sulfureus* L. Koch, 1877 (male and female). Tanikawa & Miyashita (2008) described two new species from Japan: *D. fontus* and *D. silvicola* (descriptions based on males and females). Recently, a new species from Madagascar (*D. kalanoro*) was proposed by Silva & Griswold (2013), based on males alone.

In this work, the male of *Dolomedes raptoroides* Zhang, Zhu & Song, 2004 from China is described and illustrated. A female and male specimen of *Dolomedes raptoroides* (♂, SMF 62832, ♀ SMF 62830) were collected together in Sichuan. The female specimen matches the holotype of *D. raptoroides* (MHU, not examined) from Menglum in Yunnan Province according to the figures and description given by Zhang *et al.* (2004: figs 35–37; and see Figs 14–15). A distributional map is provided.

Specimens were examined using a Leica MZ 7.5 stereomicroscope equipped with a camera lucida. For scanning electron microscopy (SEM), structures were excised, air-dried and mounted on stubs with double-sided adhesive copper tape. Specimens were sputter coated with gold and examined using a Zeiss EVO 60. The structure of the male palpi did not shrink or deform during the SEM process. All measurements are in millimeters. The nomenclature of the male palpus structure follows Carico (1973), Sierwald (1990) and Silva & Griswold (2013). Photographs were made using a Leica DFC 450 attached to the stereomicroscope (Figs 2–5, 10–13) and a Microoptics Imaging system (Figs 14, 15).

The material examined was deposited in the Southwest University in Chongqing, China (Zhi-sheng Zhang), Division of Insects, Field Museum of Natural History, Chicago, USA (FMNH, P. Sierwald), Museum of Hebei University, Baoding, China (MHU, M. S. Zhu) and Senckenberg Museum, Frankfurt, Germany (SMF, P. Jaeger). 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.

Pisauridae Simon, 1890

Dolomedes Latreille, 1804

Dolomedes Latreille, 1804: 135

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

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