



## The spider genus *Cnodalia* (Araneae: Araneidae) in China

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### Abstract

Two new species, both from China, of the previously monotypic araneid genus *Cnodalia* Thorell, 1890 are described and illustrated: *Cnodalia quadrituberculata* n. sp. and *Cnodalia flavescens* n. sp.

**Key words:** taxonomy, orb-weaving spiders, new species, *Cnodalia*, China

### Introduction

The orb weaver spider genus *Cnodalia* Thorell, 1890 and its type species *Cnodalia harpax* Thorell, 1890 were described by Thorell (1890) based on a single female specimen from Sumatra. Until now, only one species has been recorded from Sumatra and Japan (Platnick 2010; Tanikawa 2006, 2007a, b).

While studying specimens collected in the Gaoligong Mountains (Yunnan Province, southwest China) by the Sino-American Expeditions (1998-2008), the genus *Cnodalia* is newly recorded in China and two new species have been recognized and are described here. Based on the type species and this two new species, the description of the genus is given. The type specimens are deposited in Hunan Normal University (P. R. China), some additional specimens will be deposited in the California Academy of Sciences, San Francisco (USA).

### Material and methods

Specimens were kept in 75% ethanol. Epigyna were cleared in lactic acid for examination and stored in microvials with the specimens. We used an Olympus SZ-PT stereo microscope for the examination. The photos were taken using a Nikon DS-Fi1 digital camera. The distribution map was generated using GIS ArcView GIS 3.2 software (ESRI). Leg measurements are given as: total length (femur, patella + tibia, metatarsus, tarsus). All measurements are given in millimeters (mm).

### Abbreviations

ALE, anterior lateral eyes; AME, anterior median eyes; C, conductor; CAS, California Academy of Sciences; CD, copulatory ducts; CO, copulatory openings; E, embolus; FD, fertilization duct; HNU, Hunan Normal University; MA, median apophysis; KIB, Kunming Institute of Botany; Chinese Academy of Sciences; MOA, median ocular area; PLE, posterior lateral eyes; PME, posterior median eyes; S, spermatheca; TA, terminal apophysis, UF, University of Florida.