

Mygalomorph spiders from southwestern Oregon, USA, with descriptions of four new species

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Abstract

Extensive pitfall trapping in the Siskiyou and southern Cascade Mountains in southwestern Oregon, USA, revealed the presence of four new species of *Antrodiaetus* spiders (Antrodiaetidae) as well as numerous examples of the rarely reported *Hexura rothi* (Mecicobothriidae). The new species are: *Antrodiaetus ashlandensis*, *A. coylei*, *A. effeminatus*, and *A. metapacificus*. Additional records were also obtained for *Antrodiaetus pugnax* and *Atypoides gertschi* (Antrodiaetidae). Distributional data are provided for each species. The four new species are described and illustrated and a taxonomic key to all mygalomorph spiders from southwestern Oregon is provided. Further, each of the previously described *Antrodiaetus* spp. from the region is diagnosed. The morphology of the male genital plate is proposed as a potentially useful taxonomic character.

Key words: Araneae, Mygalomorphae, Antrodiaetidae, Dipluridae, Mecicobothriidae, *Antrodiaetus*, *Atypoides*, *Hexura*, *Microhexura*, Oregon, Cascade Mountains, Siskiyou Mountains

Introduction

In Oregon, mygalomorph spiders have only been recorded from the families Dipluridae [only *Microhexura idahoana* Chamberlin & Ivie (see Coyle 1981)], Mecicobothriidae [two rare species of *Hexura* Simon (see Gertsch & Platnick 1979)] and Antrodiaetidae. The Antrodiaetidae is made up of three genera and 28 species of folding trap-door spiders from North America and Japan (Platnick 2005). Coyle (1968, 1971, 1974, 1994), Coyle and Icenogle (1994), and Hendrixson and Bond (2004) have revised the taxonomy of the