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**A taxonomic revision of the tarantula spider genus *Coremiocnemis*
Simon 1892 (Araneae, Theraphosidae), with further notes on the Sele-
nocosmiinae**

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Abstract

The selenocosmiine genus *Coremiocnemis* Simon 1892 is revised for the first time with six new species included. Five new species are from West Malaysia: *C. brachyramosa* sp. nov. from Gunung Ledang, Johor; *C. gnathospina* sp. nov. and *C. hoggi* sp. nov. from Fraser's Hill, Selangor; *C. jeremyhuffi* sp. nov. from Tapah, Perak, Fraser's Hill, Selangor to Pahang and *C. obscura* sp. nov. from Taiping, Perak to Cameron Highlands, Pahang. *C. kotacana* sp. nov. is described from Aceh Teneggara, Sumatra, being the first record of this genus outside Malaysia or Australia. A lectotype and paralectotype are designated for *C. cunicularia* (Simon 1892). All but two of Abraham's non-type *C. valida* Pocock 1895 (Abraham 1924) specimens held in both the NHM and RMBR are newly transferred to *C. cunicularia*. Abraham's two remaining specimens are removed from *Coremiocnemis*. *C. valida* is redescribed, its former dubious locality is resolved. Zoogeographic considerations of all species are discussed and resolved. Ontogenetic variation within *Coremiocnemis* is discussed. Several new characters are introduced. Subfamilial relationships with proposed sister genera *Selenocosmia* Ausserer 1871 and *Lyrognathus* Pocock 1895 are discussed. A key to species is provided.

Key words: Mygalomorph, new species, Borneo, Sumatra, Malaysia, Australia, distribution, ontogeny, zoogeography, natural history.

Introduction

Coremiocnemis Simon 1892 belongs to the subfamily Selenocosmiinae Simon 1889 of the mygalomorph family Theraphosidae Thorell 1869 and was formerly known to occur in Australia, Singapore and West Malaysia. In 1892, Simon (1892a) described *Phlogius cunicularius* Simon 1892 from Penang Island, West Malaysia. In the same year, Simon described *Coremiocnemis* Simon (1892b) based on that new species. This genus was considered unique amongst all known selenocosmiine species with the character combination of anterior row of eyes transverse, leg IV considerably longer than leg I, very hairy, with scopulae divided and extending only for one quarter of the distal metatarsus and with a reduced third claw on tarsus IV.

Later, Pocock described *Coremiocnemis validus* Pocock 1895 from the vague locality "East Indies". His new species possessed similar character traits to that for *Coremiocnemis*, although Pocock noted his new species differed from *C. cunicularius* in comparative measurements and "probably in many other characters" (Pocock 1895:176).

Simon (1903) diagnosed *Coremiocnemis* in a key to genera of the Selenocosmiinae, utilizing the same characters to define the genus. Abraham (1924) identified 11 specimens from the Raffles Museum collection