THE GENUS PENTAMERISMUS FROM CHINA
(ACARI: TENUIPALPIDAE)

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ABSTRACT

Pentamerismus oregonensis McGregor is recorded, and Pentamerismus kunmingensis n. sp. is described from China.

False spider mites of the genus Pentamerismus McGregor, 1949, are characterized by a palpus of 5 segments, hysterosoma with 2-3 pairs of dorsoablatalateral setae, no transverse division of the female hysterosoma, but with a ventral plate. No members belonging to Pentamerismus have been recorded previously from China.

This paper presents a description of a new species and a new record of the genus Pentamerismus McGregor from China. All specimens are deposited in the Museum of Natural History, Shanghai.

Pentamerismus oregonensis McGregor


Collection Data: On Biotia orientalis (L.), Huang Shan, Anhui, China, 8-VIII-1978 by Yuan Yi-lan.

Pentamerismus kunmingensis Ma and Yuan, Nieuw Species

(Fig. 1-2)

Female: Body red, elongate-elliptical, 315μ long, 184μ wide. Rostrum reaching distal end of femur I. Rostral shield large and broad. Dorsal setae 15 pairs (propodosomal 3 pairs, humerale 1 pair, dorsocentral hysterosomals 3 pairs, dorsoablatalateral hysterosomals 2 pairs, dorsoablatalateral hysterosomals 6 pairs). First and second dorsal propodosomal long, lanceolate, serrate. 18μ long, 3rd propodosomal 13μ long; humerale 18μ long; 1st dorsocentral hysterosomal narrow lanceolate, 16μ long, 2nd and 3rd dorsoablatalateral hysterosomals minute, lanceolate, 5-7μ long; dorsoablatalateral hysterosomals narrow lanceolate, the 1st 15μ long, 2nd 8μ long; 1 to 7th dorsoablatalateral hysterosomals broadly spatulate, serrate, ca. 18μ long. Podosoma with 2 pairs of anterior medioventral setae and 1 pair of posterior medioventral setae. Legs short; leg I excluding coxa and tibia, 94μ long; leg II 82μ; leg III 73μ; leg IV 73μ. Setae on segments of legs distributed as follows: coxa I-IV ---2,2,1,1; trochanter I-IV---1,1,2,1; femur I-IV---2,3,2,1; genu I-IV---3,3,1,0; tibia I-IV---4,4,3,3; tarsus I-IV---9,9,5,5. Femur I and II and genu I and II each with the dorsal seta lanceolate, serrate. Tarsus I and II each with slender sensory rod.

Male: Unknown.
Fig. 1-2. *Pentamerismus kunmingensis* Ma and Yuan. 1) Dorsal and 2) ventral aspect of holotype female. Kunming, Yunnan, China.

**HOLOTYPE ♀:** Kunming, Yunnan, China, 21-XI-1978 by Yuan Yi-lan, on *Biotata orientalis* (L.).

**Paratypes:** 4 ♀♀, locality, host and date same as holotype.

**REMARKS:** *Pentamerismus kunmingensis* is similar to *P. erythreus* (Ewing), 1917 in having 7 dorsolateral hysterosomal setae, but differs in that the podosoma has 2 pairs of anterior medioventral setae.

**LITERATURE CITED**
