

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 dorsosublateral 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

Pentamerismus oregonensis McGregor, 1949, Mem. S. Cal. Acad. Sci. 3(2): 27.

COLLECTION DATA: On *Biota orientalis* (L.), Huang Shan, Anhui, China, 8-VIII-1978 by Yuan Yi-lan.

Pentamerismus kunmingensis Ma and Yuan, NEW SPECIES

(Fig. 1-2)

FEMALE: Body red, elongate-elliptical, 315 μ long, 184 μ wide. Rostrum reaching distal end of femur I. Rostral shield large and broad. Dorsal setae 15 pairs (propodosomals 3 pairs, humerales 1 pair, dorsocentral hysterosomals 3 pairs, dorsosublateral hysterosomals 2 pairs, dorsolateral hysterosomals 6 pairs). First and 2nd dorsal propodosomals long, lanceolate, serrate, 18 μ long, 3rd propodosomals 13 μ long; humerales 18 μ long; 1st dorsocentral hysterosomals narrow lanceolate, 16 μ long, 2nd and 3rd dorsocentral hysterosomals minute, lanceolate, 5-7 μ long; dorsosublateral hysterosomals narrow lanceolate, the 1st 13 μ long, 2nd 8 μ long; 1 to 7th dorsolateral hysterosomals broadly spatulate, serrate, ca. 18 μ long. Podosoma with 2 pairs of anterior medioventral setae and 1 pair of posterior medioventral setae. Legs short; leg I excluding coxa and claws, 94 μ long; leg II 82 μ ; leg III 73 μ ; leg IV 73 μ . 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—3,3,2,1; 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.

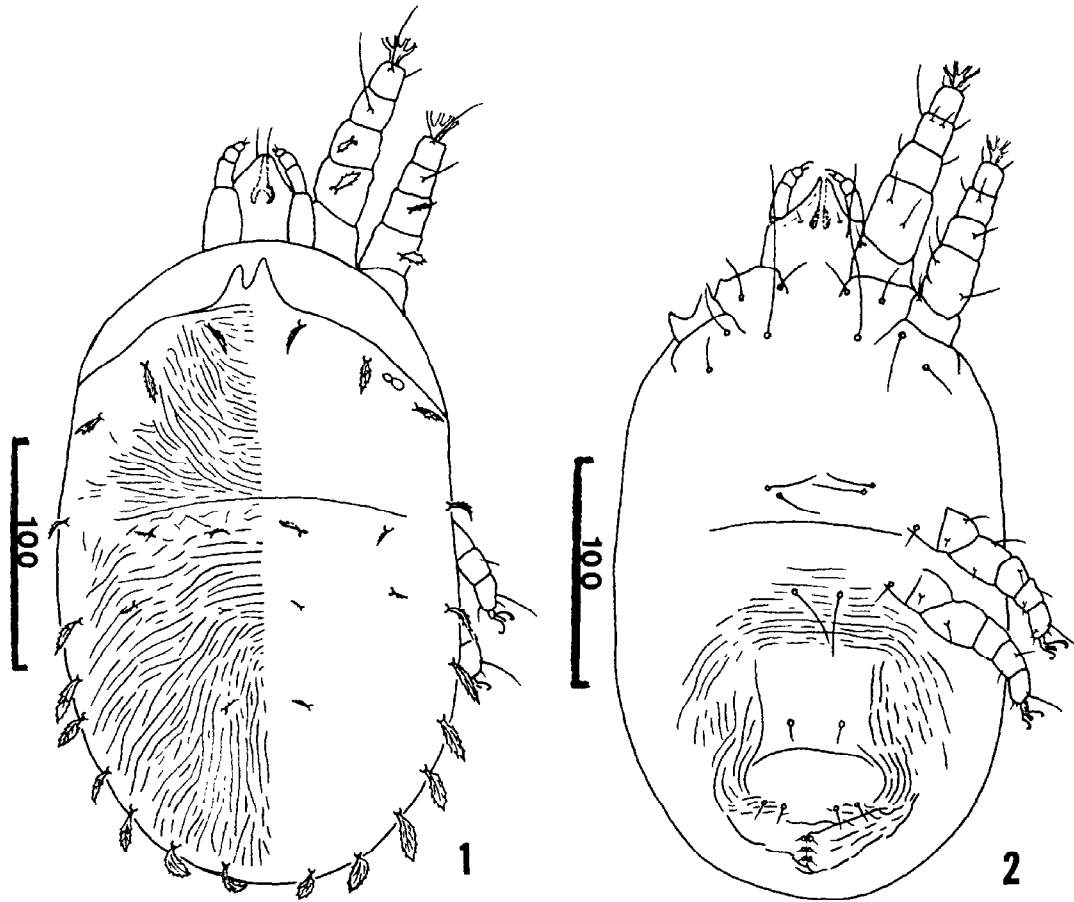


Fig. 1-2. *Pentamerismus kunmingensis* Ma and Yuan. 1) Dorsal and 2) ventral aspect of holotype female. Kunming, Yunnan, China.

HOLOTYPE ♀: Kunming, Yunnan, China, 21-XI-1978 by Yuan Yi-lan, on *Biota 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

- EWING, H. E. 1917. New Acarina. Part II. Descriptions of new species and varieties from Iowa, Missouri, Illinois, Indiana, and Ohio. *Bull. Amer. Mus. Nat. Hist.*, 37(2): 149-72.
- MCGREGOR, E. A. 1949. Nearctic mites of the family Pseudoleptidae. *Mem. S. Cal. Acad. Sci.* 3(2): 27.