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## **Taxonomic notes on *Acanthomegabunus* Tsurusaki, Tchemeris & Logunov 2000 (Arachnida: Opiliones: Phalangiidae), with a description of the new species *A. altaicus* sp. n. from the Altai Mountains of Russia and NE Kazakhstan**

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### **Abstract**

The genus *Acanthomegabunus* Tsurusaki, Tchemeris & Logunov 2000 is diagnosed and redescribed. A key to species is presented. A new species, *Acanthomegabunus altaicus* sp. n. from the Altai Mountains of Russia and NE Kazakhstan is diagnosed, described and figured; its distribution is mapped, along with new records of *A. sibiricus* Tsurusaki, Tchemeris & Logunov 2000.

**Key words:** Haverstman, Opiliones, Platybuninae, *Acanthomegabunus*, new species, Central Asia, Siberia, Altai

### **Introduction**

The opilionid genus *Acanthomegabunus* Tsurusaki, Tchemeris & Logunov 2000 is known from the mountains of South Siberia, Russia (Tsurusaki *et al.* 2000). Until now, it included a single species, *A. sibiricus* Tsurusaki, Tchemeris & Logunov 2000, from the southern part of the Krasnoyarsk Territory, the Altai, Kemerovo Area and Khakassia. *Acanthomegabunus altaicus* sp. n. is the second species found in the mountains of SW Altai.

The aims of the present paper are to provide a refined diagnosis and redescription of the genus *Acanthomegabunus*, to describe and diagnose a new *Acanthomegabunus* species from the Altai, Russia, and to present new localities for *A. sibiricus*.

### **Material and methods**

The material studied in this paper is deposited in the Siberian Zoological Museum, Institute for Systematics and Ecology of Animals SD RAS (SZM), Novosibirsk, Russia (G. N. Azarkina, curator). Digital photographs were taken using a Nikon Coolpix 4500 camera attached to an MBS-10 stereomicroscope and prepared using Helicon Focus image-stacking software. Photographed specimens were placed in dishes containing 70% alcohol, with legs positioned using insect pins. Abbreviations used in the text and the table: a.s.l.—above sea level, s.l.—same locality, s.c.—same collector, Fm—femur, Pt—patella, Tb—tibia, Mt—metatarsus, Tr—tarsus. ‘Clypeus’ is the space between the ocularium and the front margin of the carapace. All measurements are in mm.

### **Taxonomy**

#### **Family Phalangiidae**

#### **Subfamily Platybuninae**