

## ***Echiniscus taibaiensis* sp. nov. and a new record of *Echiniscus bisetosus* Heinis (Tardigrada, Echiniscidae) from China**

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### **Abstract**

The main characters of *Echiniscus taibaiensis* **sp. nov.** are listed as follows: dorsal plates are decorated with polygons and irregular pores, median plate 3 absent, notches absent on terminal plate; lateral and dorsal appendages consist of cirrus A, C, D, E, C<sup>d</sup> and D<sup>d</sup>; spurs absent on all claws of each leg. This new species is similar to *E. velaminis* Murray in having a similar arrangement of lateral and dorsal appendages and in lacking the third median plate, but it differs from *E. velaminis* in lacking the spine inserted near the base of cirrus D and in having much shorter dorsal appendages C<sup>d</sup> and D<sup>d</sup>. A new record of *Echiniscus bisetosus* Heinis is also reported from China in this article.

**Key words:** Taxonomy, Tardigrada, *Echiniscus taibaiensis* **sp. nov.**, new record, China.

### **Introduction**

A new species and a new record of a species of the genus *Echiniscus* was found in mosses collected during a trip to Mount Taibai, the highest peak of Qinling Mountains, Shaanxi Province, P. R. China, during the summer of 2005. This new species and the new record are reported and figured in this paper.

### **Material and Methods**

Specimens were extracted from moss samples and fixed with boiling 85% alcohol. All specimens were mounted in Hoyer's medium. Observations and measurements were made

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