

# Redescription of the female and first description of the male of *Microcyclops karvei* (Kiefer & Moorthy, 1935) (Copepoda, Cyclopoida)

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**Abstract.** *Microcyclops karvei*, a poorly known cyclopoid, is redescribed on the basis of specimens from Uzbekistan. Problems with its taxonomy are discussed.

**Kurzfassung.** *Microcyclops karvei*, ein wenig bekannter Zyklopede, wird anhand von Material aus Uzbekistan neu beschrieben. Taxonomische Probleme werden diskutiert.

**Key words.** Cyclopoida, *Microcyclops karvei*, redescription, Uzbekistan.

## Introduction

The taxonomy of the genus *Microcyclops* is extremely confused, and there are many species which are inadequately described. *Microcyclops karvei* (Kiefer & Moorthy, 1935) is one of the most poorly known representatives of the genus. The species was originally described from only one specimen collected from a “step well” in the state of Mysore, south India (KIEFER & MOORTHY 1935). It was subsequently recorded in Cambodia (LINDBERG 1952), Iran (HEMSEN 1952), Tajikistan (ULOMSKY 1959) and Uzbekistan (MUKHAMEDIEV 1986). The original and subsequent descriptions are inadequate from the point-of-view of modern copepod taxonomy. The type specimen (a dissected female on a slide) is fragmentary so that only a few characters can be discerned. In this note we redescribe the female and describe the male of *M. karvei*, based on specimens collected from ricefields in Uzbekistan.

## Material and methods

**Material examined:** One ♀ from a ricefield in the vicinity of Nukus, northern Uzbekistan, July 1978; 2 ♀ and 1 ♂ from ricefields in Gurlen District, Khorezm Province, Uzbekistan, June-August 1963; Type specimen - 1 dissected female from Mysore, India, deposited in the Staatliches Museum für Naturkunde, Karlsruhe, Germany, Cat. # 2331; 1 ♀ from South Africa deposited in the Staatliches Museum für Naturkunde, Karlsruhe, Germany, Cat. # 7760.

All drawings have been made by means of a drawing tube, using the specimens from the Khorezm Province of Uzbekistan. Designations of furcal setae follow DUSSART & DEFAYE (1995): Me, lateral furcal seta; Ti, innermost apical furcal seta; Tmi, inner medial apical furcal seta; Tme, outer medial apical furcal seta; Te, outer apical furcal seta; Sd, dorsal furcal seta. Pereopods (legs) 1-5 are designated as P1-5, endopodite as enp.