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New Collembola from 83deg. South in Antarctica

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*Abstract*

A new genus and two new species of Collembola from 83° 55' south on the Antarctic Continent are described. The new genus is particularly interesting as it shows affinities with both the Onychiuridae and the Hypogastruridae.

INTRODUCTION

THE Collembola dealt with in this paper are from a collection made during December, 1959, in the vicinity of Mt Harcourt, Antarctica, by Mr C. H. Tyndale-Biscoe of the University of Western Australia, and Mr B. L. Smith, of the University of Canterbury, New Zealand, who, at the time, were members of the New Zealand Alpine Club Expedition to the Antarctic. These insects were taken from localities at 83° 55' South and therefore represent the most southerly record known for the occurrence of any invertebrate.

I am indebted to Mr Tyndale-Biscoe for the opportunity to study this exceedingly interesting material, and I am pleased to name the new genus after him.

Genus *BISCOIA* gen. nov.

**DIAGNOSIS.** Ocelli present; postantennal organ absent. Mouth parts for chewing; mandible with four apical teeth and well developed molar area; maxilla head bidentate with five lamellae each bearing a distinct fringe (Fig. 10). Furcula present, complete but reduced. Foot without tenent hairs; unguiculus well developed. Sensory organ of Ant. III present, well developed, consisting of an integumentary fold as in the Hypogastruridae, together with five granulated papillae as in the Onychiuridae; two bent sense rods behind the papillae and two large additional exposed sense rods outside the main portion of the sensory organ.

**TYPE SPECIES OF THE GENUS.** *Biscoia sudpolaris* n. sp.  
*Biscoia sudpolaris* n. sp. Text-figs. 1-13.

**COLOUR.** Deep blue to blue-black, paler or colourless ventrally and on the appendages.