

ON DIPLOPODA IN THE AUSTRALIAN MUSEUM, SYDNEY.

By

DR. W. K. VERHOEFF, Pasing, near Munich.

(Plates vi-xii.)

CONTRIBUTION 101 ON DIPLOPODA.

(Translated by C. Anderson, M.A., D.Sc.)¹

I have recently completed a description of the Diplopoda collected in Australia by Dr. Mjöberg's Expedition.² This work demonstrates once more that our knowledge of Australian Diplopoda is still very incomplete. Of forty-four forms examined by me only one was previously known, and of twenty-eight genera eighteen are new. Moreover, it must be taken into consideration that most of the older descriptions are so defective that recognition according to the much higher scientific standards of to-day is almost impossible, the more so as, for the most part, the morphological and general concepts of the older authors cannot be brought into line with those now prevailing.

Dr. Anderson, Director of the Australian Museum, has been good enough to forward to me a series of the Diplopoda contained in the collection of that museum. These are from New South Wales, and make possible an important increase in our knowledge of the Australian fauna. I wish to express my gratitude to Dr. Anderson for his kindness in entrusting to me the description of the collection; some of the new forms have been dedicated to him.

1. OPISTHANDRIA-CHORIZOCERATA *Verh.* 1910.

Family SPHÆROTHERIIDÆ.

In the paper previously referred to I have established a new morphological basis and also a new morphological conception and nomenclature for the treatment of these giant pill millipedes (Riesenkugler), and I would now refer the reader to that paper, especially to my key to the Sphærotheriid genera.³ The only Australian Sphærotheriid previously known with certainty was *Cyliosoma* Pocock, to which in 1924 I added the genus *Cyliosomella*

¹The translation was submitted to the author before being printed.

²Verhoeff.—*Arkiv f. Zool., K. Svens. Vetenskapsakad.*, XVI, No. 5, 1924, pp. 142, 5 plates. This is my 97th and 98th contribution on Diplopoda, which, unfortunately, is not indicated on the publication.

³Verhoeff.—*Loc. cit.*, pp. 56-60.