

**Occurrence of *Orthocoelium dinniki* Eduardo, 1985 and *Orthocoelium parvipapillatum* (Stiles & Goldberger, 1910) Eduardo, 1985 among *Bos indicus* and *Ovis aries* in India**

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During the period of December, 1985 to March 1986, a thorough survey was undertaken to evaluate the incidence and intensity of helminth infections among animals of food value in North-East India. During the course of investigation two relatively uncommon species of paramphistomes were found parasitizing the cattle and goats; of these, *Orthocoelium dinniki* Eduardo, 1985 is hitherto not reported from Indian ruminants and *O. parvipapillatum* (Stiles & Goldberger, 1910) Eduardo, 1985 has been reported in literature as included in Näsmark's collection of amphistomes from *Bubalus bubalis* in India (Eduardo, 1985). These species are briefly reported as occurring in *Bos indicus* and *Ovis aries* in North-East India.

*Orthocoelium dinniki* Eduardo 1985

This is the first record of *O. dinniki* from Indian ruminants. Except for some minor variation in body size, measurement of different body organs and number of muscle units in the acetabulum, the present observations tally with the original description (Eduardo, 1985) of the species which was earlier reported from *Bubalus bubalis* in the Philippines, from cattle in China and Japan and also from goat in China.

Host : *Bos indicus* L. and *Ovis aries* L.

Location : rumen

Localities : Dharmanagar (24°23'00" N, 92°10'00" E), Tripura.

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*Orthocoelium parvipapillatum* (Stiles & Goldberger, 1910) Eduardo, 1985

Eduardo (1985) listed this species from Näsmark's collection of paramphistomes from *Bubalus bubalis* with a mention of the locality of the material as Punjab, India. Barring this record, this species has not been hitherto described among Indian ruminants. Eduardo (1985) reported this species from sheep in Indonesia also.

The present observations tally with those of Eduardo (1985) in major details. However, conspicuous differences have been noticed in the number of circular muscle units in the acetabulum and also in the ratio of the acetabulum to the body length; according to Eduardo (1985) the c. m. units are D. e. 14—18; V. i. 24—29; N. e. 3—8. The corresponding numbers in the present material are 10—14, 21—24 and 3—7.

Host : *Bos indicus*

Location : rumen

Localities : Dharmanagar ; Agartala (23°49'00" N, 91°18'00" E), Tripura.

#### Acknowledgement :

This study was supported by a research grant to VT from North-Eastern Council and to BR by the Council of Scientific and Industrial Research, Govt. of India.

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