NEMATODES OF HIGH ALTITUDES IN INDIA

V. FIVE NEW SPECIES OF THE GENUS ENCHODELUS THORNE, 1939 (DORYLAIMIDA)

BY

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Enchodelus thorbei n. sp. 1.28-1.67 mm long; odontostyle 16-18 µm; odontophore 24-28 µm; tails in both sexes arcuate-conoid. Enchodelus satendri n. sp. 1.38-1.88 mm long; odontostyle 25-30 µm; odontophore 34-40 µm; tails in both sexes short conoid, ventrally curved in posterior one-third. Enchodelus maximus n. sp. 2.48-2.60 mm long, odontostyle 54-57 µm; odontophore 53-56 µm; tail conoid ventrally curved. Enchodelus parateres n. sp. 1.20-1.57 mm long; odontostyle 21-22 µm; odontophore 23-28 µm; tails in both sexes short, bluntly-conoid or hemispheroid. Enchodelus microdoroides n. sp. 1.09-1.24 mm long; odontostyle 40-42 µm; odontophore 43-47 µm; tail short, convex-conoid. Enchodelus longidens Jairajpuri & Loof, 1968 has also been recorded. A key to the genus Enchodelus is given.

A survey of the plant and soil nematodes of the Himalaya mountains in Himachal Pradesh yielded Enchodelus longidens Jairajpuri & Loof, 1968 and five new species of the genus Enchodelus. The specimens were fixed in hot 4 % formalin, dehydrated slowly in a desiccator and mounted in dehydrated glycerine. The type material of the five newly described species of Enchodelus was collected by M. Shamim Jairajpuri in October, 1970 and is in the nematode collection of Zoology Department, Aligarh Muslim University, Aligarh (U.P.), India.

ENCHODELUS THORBEI N. SP.
(Fig. 1)

Measurements: See Table I.

Description:

Female: Body tapering gradually in neck region, in posterior half curved ventrally on fixation. Cuticle finely striated, thickest on tail tip (14-16 µm). Lateral chords 1/5th-1/4th of body-width near midbody. Dorsal, ventral, and lateral body pores not distinct.

Lip region set off from body, about 1/4th-1/3rd body-width at base of oesophagus. Amphids cup-shaped, curved slit-like apertures occupying less than 1/2 of corres-
Fig. 1. *Enchodelus thornei* n. sp. A. Female entire, B. Head end, C. Head end showing amphid, D. Expanded region of oesophagus, E. Posterior female sexual branch, F. Female tail end, G & H. Male tail ends.