TWO NEW SPECIES OF THE GENUS THORNENEMA ANDRASSY, 
1959 FROM MANIPUR, INDIA

BY

M. SHAMIM JAIRAJPURI, MAQSOOD AHMAD and CH. DHANACHAND
Section of Nematology, Department of Zoology, Aligarh Muslim University, Aligarh-202001 India

T. caudatum n. sp. differs from T. thienemanni apud Jairajpuri, 1966 in having more posterior vulva and in the shape of the tail. T. longicaudatum n. sp. also comes very close to T. thienemanni and T. caudatum n. sp. but differs from both in having a very long tail.

Two new species of Thornenema Andrássy, 1959 closely resembling T. thienemanni (Schneider, 1937) Andrássy, 1959 apud Jairajpuri, 1966 were present in soil samples collected from Imphal, Manipur State, India. These are described below:

**Thornenema caudatum n. sp.**

**(Fig. 1)**

**Dimensions:**

16 Females (Paratypes): L = 0.60-0.89 mm; a = 22-31; b = 3.5-4.5; c = 8-10; c' = 3-4; V = 44-5212-18.

Female (Holotype): L = 0.86 mm; a = 31; b = 4.1; c = 9; c' = 4; V = 4714.

**Description:**

Body short, almost straight upon fixation, and tapering towards both extremities. Cuticle finely striated, its thickness 1.0-5.0 μm at various places on the body, 4-5 μm at base of lip region, 1-2 μm at or near midbody and 5μm on tail. At base of lip region the cuticle suddenly expands and then becomes thinner at level of base of odontophore. A little above the anus it again gradually starts to become thicker and remains so in the anterior one-third of tail length. Lateral hypodermal chords about one-third of body-width at midbody. Dorsal, ventral and lateral body pores indistinct.

Lip region amalgamated, very narrow, strongly sclerotized, about 1/2.5-1/2 of adjoining body-width and about one-fourth of body-width at base of oesophagus. Amphids small cup-like, apertures slit-like occupying about one-third of corresponding body-width. Odontostyle 13-15 μm or about two head-widths long, its aperture, about one-fourth of its length. Guiding ring at 7 μm or one head-width from anterior extremity. Odontophore simple rod-like, 13-17 μm or nearly
Fig. 1. *Thornenema caudatum* n. sp. A - Entire female; B - Oesophageal region; C - Anterior end, dorsoventral; D - Anterior region, lateral; E - Expanded portion of oesophagus; F - Gonad; G - Posterior region, lateral; H - Tail end, dorsoventral; I - Vulva, ventral.