PLATE: XIV

Hymenolepis pennanti

A  Scolex
B  Mature segment
The ootype is medium in size, oval in shape, preovarian and measures 0.023 in length and 0.023 in breadth.

The genital pores are medium in size, oval in shape, the unilateral, situated at center or just posterior, to the middle of the segments, marginal and measure 0.008 to 0.015 in length and 0.068 to 0.083 in breadth.

The vitelline gland is medium in size, roughly oval, triangular in shape, post-ovarian, situated in the middle or just posterior to the middle of the segments and measures 0.060 to 0.068 in length and 0.060 to 0.068 in breadth.

The longitudinal excretory canals are medium in width and measure 0.038 in breadth.

The gravid segments were not available.

DISCUSSION

The genus Hymenolepis was erected by Weinland in 1858. After going through the literature, the present worm, in having the testes three, one poral and two aporal, comes closer to Hymenolepis pennanti Nama, 1974. The present worm
resembles it, in many characters, but differs from the same in few characters, which are as follows:

1. The present cestode, differs from *Hymenolepis pennanti* Name, 1974 in the shape of the scolex (roughly dome shaped Vs. rounded).

2. The present worm, differs from the same in the shape of the ovary, (distinctly bilobed Vs. indistinctly bilobed.)

3. The present form, differs from it, in the size and shape of the vitelline gland (medium, triangular Vs. small, oval.)

As the above characters are minor, it is redescribed here as *Hymenolepis pennanti* Name, 1974, who reported his worms, from a Bat, *Microchiroptera*; whereas the present worms, are being reported, from a Rat, *Rattus rattus* at Partur, Tq. Partur, Dist. Jalna, M.S., India.

<table>
<thead>
<tr>
<th>Type species</th>
<th><em>Hymenolepis pennanti</em>, 1974.</th>
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<tbody>
<tr>
<td>Host</td>
<td><em>Rattus rattus</em></td>
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<tr>
<td>Habitat</td>
<td>Intestine</td>
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<tr>
<td>Locality</td>
<td>At Partur, Tq. Partur, Dist. Jalna, M.S., India.</td>
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<tr>
<td>Date of collection</td>
<td>17th October, 1997.</td>
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</tbody>
</table>
Hymenolepididea  Wardle, McLeod and Radinovsky, 1974.
Hymenolepididae  Railliet et. Henry, 1909
Hymenolepidinae  Perrier, 1897.
Vampirolepis  Spassky, 1954.

**Vampirolepis alli n.sp.**

**DESCRIPTION**

Fifteen specimens, of the cestode parasites, were collected, from the intestine, of a Myna *Acridoheres tristis* at Ghansawangi Tq. Ghansawangi, Dist. Jalna, M.S., India; in the month of October, 1997.

All the cestodes were long, whitish in colour with scolex, numerous immature and mature proglottids.

These cestodes were flattened, preserved in 4% formalin, stained with Harris Haematoxylin, passed through various alcoholic grades, cleared in xylol, mounted in D.P.X. and whole mount slides were prepared for further anatomical studies.
The scolex is small to medium in size, almost dome shaped in appearance indistinctly marked off from the strobila, having same width as of the neck, narrow anteriorly, broad posteriorly, slightly longer than broad with a projection at the anterior tip and measures 0.277 to 0.356 in length and 0.083 to 0.218 in breadth.

The scolex bears an armed rostellum, which is small in size, oval in shape, at the anterior margin of same and measures 0.024 to 0.039 in length and 0.039 to 0.053 in breadth.

The rostellar hooks are small in size 14 in number, in two rows, 10 large and bipronged, 4 - small and pin shaped and measure 0.024 to 0.030 in length and 0.003 to 0.006 in breadth. The smaller hooks are short, stout, with curved long prong and conical short prong and measures 0.012 to 0.012 in length and 0.001 to 0.002 in breadth.

The suckers are medium in size, oval in shape, occupy almost the middle major portion, of the anterior half of the scolex, arranged in two pairs one pair in each half of the scolex, suckers overlapping on each other in each pair and measure 0.063 to 0.07 in length and 0.063 to 0.072 in breadth.
The neck is short, wide, slightly longer than broad, with convex lateral margins, uneven in length and measures 0.121 to 0.243 in length and 0.180 to 0.218 in breadth.

The mature proglottids are medium in size, squarish in shape, broader than long, almost 6 times broader than long, with convex lateral margins, having triangular, short, blunt projections at the posterior corners of the segments, craspedote and measure 0.155 to 0.199 in length and 1.335 to 1.986 in breadth.

The testes are large in size, round in shape, 3-4 in number, arranged in a triangle, one in the poral half and two in the aporal half or two on both sides i.e. poral and aporal, which are separated, not overlapping on each other. The testis on the poral side overlap the poral ovarian lobe and measures 0.078 to 0.121 in length and 0.087 to 0.121 in breadth.

The cirrus pouch is medium in size, elongated, situated in the posterior half of the segments, just posterior to the middle of same, slightly obliquely placed and measures 0.121 to 0.136 in length and 0.024 to 0.039 in breadth.

The cirrus is thin, stout, slightly curved, contained within the cirrus pouch and measures 0.136 in length and 0.005 in breadth.
The vas deferens is thin, short, slightly curved, runs medially, anteriorly directed, crosses or not to the longitudinal excretory canals and measures 0.184 in length and 0.005 to 0.005 in breadth.

The ovary is large in size, distinctly bilobed, situated in the posterior half region of the segments, transversely placed, aporal lobe slightly touching or not, to the posterior margin of segments, poral lobe slightly larger than aporal lobe in the central medulla, lobes with smooth and straight margins i.e. compact and measures 0.461 to 0.509 in length and 0.072 to 0.097 in breadth.

The isthmus is short, a thin tube, connecting the two ovarian lobes and measures 0.072 in length and 0.010 to 0.024 in breadth.

The vagina is medium in width, anterior to the cirrus pouch, starts from the genital pore, runs medially, obliquely, crosses the longitudinal excretory canals, passes parallel to the anterior margin of the segments, turns posteriorly; reaches and opens into the ootype and measures 0.800 in length and 0.010 to 0.010 in breadth.

The ootype is medium in size, round in shape, situated almost at the middle of segments, partially ventral to the isthmus and measures 0.015 to 0.019 in length and 0.015 to 0.019 in breadth.