PLATE - XII

Oochoristica oklahomensis Peery, 1939

A. Scolex.
B. Mature segment.
middle of the segments, central in position and measures 0.082 to 0.205 in length and 0.030 to 0.076 in breadth.

The longitudinal excretory canals are medium in width and measure 0.008 to 0.023 in breadth.

DISCUSSION

The genus Oochoristica was erected by Luhe, 1898 as a type species Oochristica tuberculata in Lacerta, Ayama, Uromastrix, Varanus etc. in Europe, also in Coelopeltis spp. in Morocco.

After going through the literature, the worm under discussion, turned out to be, the species of the genus, Oochoristica and comes closer to O. oklahomensis Peery, 1939, but differs from the same, in few characteristics, which are as follows:

(1) The present tapeworm, differs from O. oklahomensis Peery, 1939 in the size of the scolex (0.430 to 0.592 x 0.340 to 0.572 as against 0.508 x 0.705).

(2) The present cestode, differs from it, in number of testes (35 to 40 (37) as against 37 to 46).

(3) The present form, differs from the same, in the position of genital pores,(marginal, irregularly alternate as against unilatera; genital ducts alternating irregularly).
As the above characters are minor, it is redescribed here, as *Oochoristica okalahomensis* Peery, 1939 reported from a garden lizard whereas the present worms are being reported from *Calotes*, *Calotes versicolor* at Palam, Tq. Palam, Dist. Parbhani, M.S., India.

<table>
<thead>
<tr>
<th>Type species</th>
<th><em>Oochoristica okalahomensis</em></th>
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<tbody>
<tr>
<td>Host</td>
<td><em>Calotes versicolor</em></td>
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<tr>
<td>Habitat</td>
<td>Intestine.</td>
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<tr>
<td>Locality</td>
<td>At Palam, Tq. Palam,</td>
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<td></td>
<td>Dist. Parbhani, M.S., India.</td>
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<tr>
<td>Date of collection</td>
<td>10th December, 1995.</td>
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</tbody>
</table>
Hymenolepididae  Railliet et. henry, 1909.
Hymenolepis  Wainland, 1858.

*Hymenolepis pennanti*  Nama, 1974.

**DESCRIPTION**

Twelve specimens, of the cestode parasites, were collected, from the intestine of a house rat, *Rattus rattus*, at Wasmat, Tq. Wasmat, Dist. Parbhani, M.S., India; in the month of March, 1995.

The worms were long, with thin musculature, having scolex, numerous immature and mature proglottids. These worms were flattened, preserved in 4% formalin, stained with Harris Haematoxylin, passed through various alcoholic grades, cleared in xylol, mounted in DPX and whole mount slides were prepared, for further anatomical studies.

The scolex is small in size, slightly dome shaped, indistinctly marked off from the strobila, broader than long, with slightly wavy anterior margin and measures 0.189 to 0.214 in length and 0.170 to 0.248 in breadth.
The suckers are four, small to medium in size, unequal in size, oval in shape, arranged in two pairs, one pair in each half of it, suckers in each pair are overlapping on each other, slightly obliquely placed and measures 0.063 to 0.102 in length and 0.058 to 0.083 in breadth.

The rostellum is small in size, oval in shape, elongated, slightly touching to the anterior margin of the suckers, armed with a single circle of hooks and measures 0.053 to 0.063 in length and 0.024 to 0.039 in breadth.

The rostellar hooks are simple, single pronged, straight, 12 in number, arranged in two rows and measure 0.010 to 0.019 in length and 0.001 top 0.002 in breadth.

The neck is medium in size, squarish in shape, broader than long, uneven in length and measures 0.116 to 0.170 in length and 0.180 to 0.214 in breadth.

The mature segments are large in size, broader than long, nearly 5 to 6 times broader than long, with or without round, blunt projections at the posterior corners of the segments, with concave and convex lateral margins and measure 0.315 to 0.375 in length and 2.101 to 2.135 in breadth.

The testes are three in number, medium in size, oval in shape, one in the poral half and two in the aporal half of the segments, situated horizontally in a single line, near the longitudinal excretory canals, two aporal testes are near the
ovary, in the central medulla and measure 0.147 to 0.181 in length and 0.159 to 0.193 in breadth.

The cirrus pouch is small in size, cylindrical in shape, directed towards the anterior margin of the segments, reaches near the same, in the corticulár region, obliquely arranged, narrow anteriorly and slowly becomes broad posteriorly, situated just anterior to the middle of the segments and measure 0.159 in length and 0.193 in breadth.

The cirrus is thin, short, straight, contained within the cirrus pouch and measures 0.159 in length and 0.022 to 0.034 in breadth.

The vas deferens is short in length, directed posteriorly, slightly curved, crosses the vagina and measures 0.102 in length and 0.011 in breadth.

The ovary is large in size, distinctly bilobed, transversely placed in the aporal half of the segments, with 6-8 round, blunt separate acini, with irregular margin, centrally placed and measures 0.327 to 0.510 in length and 0.079 to 0.327 in breadth. The ovarian lobes are unequal in size, which are connected to each other by the isthmus, which is medium in size, short in length and measures 0.045 to 0.079 in length and 0.045 in breadth.
The vagina is of medium width, situated below the cirrus pouch, runs obliquely along with the cirrus pouch, then runs transversely, along the anterior margin of the segments, turns posteriorly, enlarges to form the receptaculum seminis, reaches and opens into the ootype and measures 0.147 in length and 0.022 to 0.034 in breadth.

The receptaculum seminis is large in size, spindle shaped, broad at the middle, narrow at both the ends, obliquely placed, in the poral half of the segments, situated near the anterior margin of the same and measures 0.304 to 0.369 in length and 0.079 to 0.124 in breadth.

The ootype is medium in size, oval in shape, postovarian, situated in the concavity of the ovarian lobes and measures 0.056 in length and 0.045 in breadth.

The genital pores are medium in size, oval in shape, unilateral, just anterior to the middle of the segments, on the lateral margin of the same and measure 0.034 to 0.056 in length and 0.022 to 0.034 in breadth.

The vitelline gland is medium in size, transversely elongated, with wavy posterior margin, postovarian, near the posterior margin of the segments, in the aporal half of the same and measures 0.102 to 0.170 in length and 0.034 to 0.087 in breadth.