PLATE - XI

Oochoristica  bivitellolobata  Loewen, 1940

A. Scolex.
B. Mature segment.
The ootype is large in size, oval in shape, postovarian, situated just anterior to the middle of the segments, narrow anteriorly and posteriorly, slightly broad in the middle, obliquely placed, antero posteriorly elongated and measures 0.189 to 0.205 in length and 0.045 to 0.098 in breadth.

The vitelline gland is large in size, roughly triangular in shape, distal ends directed anteriorly, with irregular margin, with few short, blunt, round acini, postovarian, situated in the middle of the segments, broad anteriorly, narrow posteriorly and measures 0.189 to 0.205 in length and 0.048 to 0.098 in breadth.

The genital pores are medium in size, oval in shape, marginal, irregularly alternate, situated at 1/3rd to 1/4th the from anterior margin of the segments and measure 0.053 to 0.060 in length and 0.008 to 0.015 in breadth.

The longitudinal excretory canals are medium in width and measure 0.030 in breadth.

The gravid segments were not available.

**DISCUSSION**

The genus *Oochoristica* was erected by Luhe, 1898 as a type species *Oochoristica tuberculata* in *Lacerta Agama*, *Uromastix*, *Varanus* etc. in Europe; also in *Coelopeltis* spp. in Marocco.
After going through the literature, the worms under discussion, turned out to be the species, of the genus *Oochoristica* that comes closer to *Oochoristica bivitellolobata* Loewen, 1940, but it differs from the same in few characters, which are as follows:

1. The present tapeworm, differs from *O. bivitellolobata* Loewen, 1940 in the number of testes (90-95, in a single field as against 98-106).

2. The present cestode, differs from *O. bivitellolobata* Loewen, 1940 in the size of the cirrus pouch (0.303 X 0.023 to 0.038 as against 0.75 X 0.165).

3. The present form differs from *O. bivitellolobata* Loewen, 1940 in the shape of the ovary (distinctly bilobed, large as against bilobed).

As the above characters are minor, it is redescribed here, as *Oochoristica bivitellolobata* Loewen, 1940.

Loewen reported his worms from *Cnemidaphorus sex-lineatus*, whereas the present worms, are being reported, from a tree frog, *Hyla hyla* at Parbhani, Dist. Parbhani, M.S., India.

<table>
<thead>
<tr>
<th>Type species</th>
<th><em>Oochoristica bivitellolobata</em> Loewen, 1940.</th>
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<tbody>
<tr>
<td>Host</td>
<td><em>Hyla hyla</em></td>
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<tr>
<td>Habitat</td>
<td>Intestine</td>
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<tr>
<td>Locality</td>
<td>At Parbhani, Dist. Parbhani M.S., India.</td>
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<tr>
<td>Date of collection</td>
<td>10th March, 1996.</td>
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</tbody>
</table>
Anoplocephalidea Wardle, McLeod and Radinovsky, 1974.
Linstowiidae    Fuhrmann, 1932.
Oochoristica    Luhe, 1898

Oochoristica oklahomensis Peery, 1939.

DESCRIPTION

Ten specimens, of the cestode parasites were collected, from the intestine of a garden lizard Calotes versicolor at Palam, Tq. Palam, Dist. Parbhani, M.S., India; in the month of December, 1995.

All the cestodes were long, with thin musculature, with scolex, numerous immature and mature proglottids. The gravid segments were not available.

The 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 large in size, globular in shape, without rostellum and rostellar hooks, distinctly marked off from the
strobila, with irregular anterior margin and measures 0.403 to 0.592 in length and 0.340 to 0.572 in breadth.

The four suckers are medium in size, oval in shape, with wide borders, arranged transversely, almost in a line, in the anterior 1/3rd region of the scolex, not overlapping on each other, suckers in the central pair, just touching to each other and measure 0.121 to 0.146 in length and 0.087 to 0.112 in breadth.

The neck is medium in length, wide, squarish in shape, with uneven length and slightly convex, irregular margins and measures 0.354 to 0.538 in length and 0.495 to 0.572 in breadth.

The mature proglottids are medium in size, barrel shaped in appearance, longer than broad, with concave and irregular lateral margins, without projections at the anterior and the posterior corners of the segments, broad in the middle, narrow at both the ends and measure 1.046 to 1.182 in length and 0.621 to 0.023 in breadth.

The testes are 35 to 40 (37) in number, small to medium in size, oval in shape, arranged in a single field, in the posterior half of the segments, roughly crescent shaped in arrangement post ovarian, unevenly distributed, few on the longitudinal excretory canals, in the central medulla, mostly
bounded laterally by the longitudinal excretory canals and measure 0.038 to 0.091 in length and 0.023 to 0.060 in breadth.

The cirrus pouch is medium in size, cylindrical in shape, elongated, slightly obliquely placed, directed towards the anterior margin of the segments, situated in the anterior 1/3rd to 1/4th region of the same, extends beyond the longitudinal excretory canals, narrow-proximally, slowly becomes broader distally and measures 0.226 to 0.258 in length and 0.015 to 0.045 in breadth.

The cirrus is of medium width, slightly curved, contained within the cirrus pouch and measures 0.258 in length and 0.008 to 0.015 in breadth.

The vas deferens is long, thin, coiled, extends transversely, upto the middle of the segments and measures 0.447 in length and 0.008 in breadth.

The ovary is large in size, distinctly bilobed, follicular, each lobe with 8-10 long, finger shaped, blunt, separate acini, situated in the anterior half of the segments, or just anterior to the middle of the same, with nearly equal lobes, slightly obliquely placed and measures 0.303 to 0.533 in length and 0.174 to 0.258 in breadth. Lobes are connected to each other by a short, medium in width isthmus, which measures 0.053 to 0.076 in length and 0.045 to 0.053 in breadth.
The vagina is a thin tube, posterior to the cirrus pouch, starts from the genital pore, runs parallel to the posterior margin of the cirrus pouch, runs slightly obliquely, than turns posteriorly, extends medially and posteriorly in the centre of the segments, reaches and opens into the ootype and measures 0.492 in length and 0.008 in breadth.

The genital atrium is large in size, oval in shape, situated in the anterior 1/3rd region of the segments and measures 0.114 to 0.129 in length and 0.076 to 0.106 in breadth.

The genital pores are medium in size, oval in shape, situated at 1/3rd from the anterior margin of the segments, opens marginally and in few segments opens submarginally, irregularly alternate and measure 0.053 to 0.076 in length and 0.015 to 0.023 in breadth.

The ootype is medium in size, oval in shape, postovarian i.e. situated posterior to the ovary, near the posterior margin of the poral lobe, almost in the middle of the segments, or in the poral half of the same and measures 0.053 to 0.068 in length and 0.038 to 0.045 in breadth.

The vitelline gland is large in size, crescent shaped in appearance, with irregular margin, curved anteriorly, with 12-14 short, blunt, round acini, situated just posterior to the