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ON A NEW SPECIES OF THE GENUS *LAPWINGIA*, SINGH, 1952
(FAMILY: DILEPIDIDAE) FROM *VANELLUS SPINOSUS*,
AT VAZIRABAD, DISTRICT: MEDHAK, ANDHRA PRADESH, INDIA

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Present paper deals with the description of a new species, *Lapwingia*, Singh, 1952, *L. aurangabadensis* n.sp. it differs from all known species of the genus, in having quadrangular scolex, rostellum small in size, oval in shape, neck short, wide, mature segments large in size and globular in shape, genital pore irregularly alternate, marginal, ovary transversely elongated, worms were collected, preserved in 4% formalin and stained with Borax carmine, all measurements are in millimeters.

LAPWINGIA AURANGABADENSIS n.sp.
(Figs. A-E)

Description

(Based on eight specimens):

Worms were collected from the intestine of a spurwaged plover *Vanellus spinosus*, at Vazirabad, Dist. Medhak, Andhra Pradesh, India, in the month of May, 1992. Cestode considerably long; with a large number of proglottids. Scolex quadrangular in shape, highly muscular, well marked off from the strobila, measures 0.291-0.374 in length, 0.311-0.330 in breadth, rostellum small in size, oval in shape; highly muscular and measures 0.053 in length, 0.010 in breadth. It armed with a single circle of hooks, rostellar hooks 18 in number, small in size, curved, broad at one end, narrow at the other and measures 0.033 in length and 0.003-0.007 in breadth, rostellar sac medium in size, oval in shape, extend upto the anterior suckers, bears four suckers which are large in size, oval in shape, highly muscular, arranged in two pairs, one pair on each side overlapping each other, measures 0.097 in length and 0.067 in breadth.

Neck short, wide measures 0.170-0.228 in length and 0.238-0.311 in breadth. Mature segments large in size almost two and half times broader than long measures 0.606-0.803 in length and 1.970-2.152 in breadth, testes 15-20 in number, small in size, bounded in shape, encircling the ovary, morel on aporal side of ovary, measures 0.083-0.106 in diameter. Vas deferens thin, small, curved tube, runs parallel to the vagina for a short distance, measures

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one species, *V. parvispine* in 1927 from *Gavia immer*, U.S.A. and Europe. Later on, Capoor and Srivastava added two species, viz., *V. sultanpurensis* in 1982 from *Nycticorax nycticorax* and *V. amethiensis* in 1987, from *Bubulcus ibis*. In 1984 Sonune added two more species i.e., *V. marathwadensis* and *V. maharashtrii* from *Tringa glareola*. Later on no species is added to this genus. The present communication deals with the description of a new species i.e. *Valipora shindei* sp. nov. from *Bubo bubo*, at Basar, Andhra Pradesh, India.

1. The present form differs from *V. parvispine*, Linton, 1927, which is having the rostellar hooks 20, cirrus sac cylindrical, at 1/2 from the anterior margin of the segment, ovary bilobed, branched, at the anteriomedian region. Vitelline gland compact, bilobed, postovarian.

2. The worm under discussion differs from *V. mutabilis*, in which the number of rostellar hooks 9, suckers almost oval, mature segment longer than broad. Testes 29 in number, cirrus pouch at 1/4 from the anterior margin of the segment, ovary slightly bilobed, compact, anterior in position, vitelline gland slightly bilobed, postovarian. Genital pores present just below the centre of the segment.

3. The present cestode differs from *V. sultanpurensis*, Capoor and Srivastava, 1982 in the size of scolex 0.20-0.30 mm x 0.20-0.24 mm in length and breadth. Eight rostellar hooks, cirrus sac 0.15-0.21 mm x 0.036-0.07 mm in length and breadth.

4. The present worm differs from *V. amethiensis*, Srivastava and Capoor, 1987 in the size of scolex, 0.16 mm x 0.15-0.62 mm in length and breadth, testes 3-13 in number, cirrus pouch 0.14 mm x 0.26 mm in length and breadth.

5. The present tapeworm differs from *V. marathwadensis*, Sonune, 1974 which is having, large, dome shaped scolex, rostellar hooks 10, suckers, large, oval, neck long, mature segment two times broader than long, testes 29-32 (29), cirrus pouch long, cylindrical, transversely placed, just anterior to 1/4th of the segment, ovary small, indistinctly bilobed, transversely placed, just anterior to the middle of the segment, with 3 to 4 blunt acini, receptaculum seminis large, oval, transversely placed.

6. It differs from *V. maharashtrii* which is having small, inverted, vessel shaped scolex, suckers always oval, of medium size, mature segment three times broader than long, testes 20-22 in number, cirrus pouch large, curved, elongated, at the anterior corner of the segment, genital pores at the anterior corner of the segment. Ovary indistinctly bilobed, transversely placed in anterior 1/3 region of the segment, lobes with finger shaped 4-5 acini, vitelline gland small, bean shaped.

The above noted, distinct, differentiating characters, justify that, the

0.462 in length and 0.198 in breadth, genital pores big as size, oval in shape, separated
 obscure, ventral, located 1/5 from anterior margin of the segment. Nerve roots 0.114 in
 length and 0.036 in breadth. Ovary flattened, big as size, transversely elongated, located in
 middle of the segment, the two lobes unequal, apical lobe larger than basal one, each with 2-3
 large, thin, round cells, measures 0.234-0.274 in length, 0.098-0.133 in breadth, regular
 wide tubular from genital pore, symmetrical and lateral to the ovary, from ventral
 at the center of segment, slightly curved, takes position from each posterior side, from
 in the center of the segment, median and apical into the ovary, measures 0.247 in length,
 0.036-0.057 in breadth. Ovary median in size, round shaped, posterior in the ovary,
 measures 0.173 in diameter, median placed big as size, double shaped with irregular margin
 perforation with 2-4 small, round, thin cells, measures 0.227 in length and 0.147-0.165 in
 breadth. Cervical segments broader than long, about two times broader than long, measures
 1.152-1.199 in length and 0.777-1.119 in breadth, sternum narrow, scutopy whole part of
 segment and filled with numerous eggs, small in size, rounded in shape, measures 0.522
 0.623 in diameter.

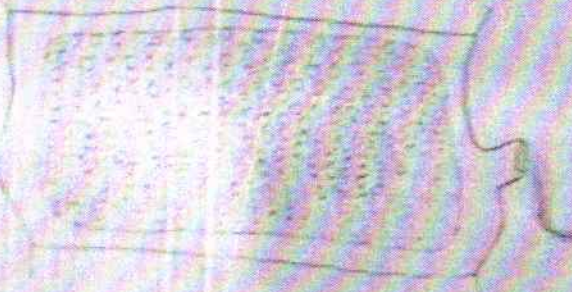
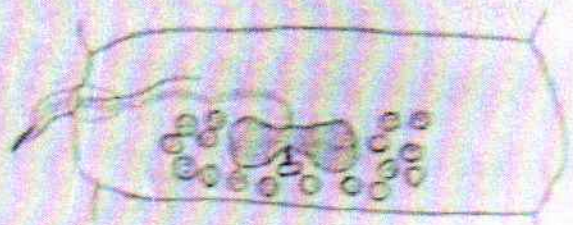


Fig. 1. A. Head; B. Cervical segment; C. Median ovary;
 D. Cervical segment; E. Egg.