A NEW SPECIES OF THE GENUS *PARVITAENIA* (CESTODA: DILEPIDIDAE) FROM AURANGABAD (M. S.) INDIA

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ABSTRACT

The *Parvitaenia Saii* sp. nov. is distinct from other known species of the genus *Parvitaenia in* having testes were 17 in number, cirrus pouch was small, opens into the genital atrium, genital atrium neither armed nor glandular and opens marginally. Ovary large and bilobed, placed centre of the segments.

KEY WORDS: *Parvitaenia*, Cestode Parasite, Segments.

INTRODUCTION

The genus *Parvitenia* was established by Burt, 1940 from Ardeolagrayiin Ceylon, as *P. grdeolae*. Latter on Coil (1955) reported *P. Cochleariin* Cochlearius, Mexico. Yamaguti (1956) add one new species of of *P. gorsakin* Gorsakinus, goisagi Celebes. In Schmidt and Alberto (1972) reported a new cestode, *P. ibisaein bird* florida; *P. heardi*. Schmidt and Courtney (1973) in great blue heron Ardeoherodia; *P. ardeolae*. Burt (1940) in Ardeolagrayi (sykes, 1832), the Indian pond heron, near Padukka. *P. macropteryis* (Hubscher, 1937) n. comb. syn. Anomotaenia M. H. in Macro pteryxlongi pennis; Java. *P. nycticoracis Yamagti*, (1953) n. comb. syn. Anomotaenia, n. y., in Nycticoraxnycticorax, Japan. *P. compylancristrota* was reported by Saxsena (1969) in India, from Ardeolagrayii.

DESCRIPTION

The present species *P. Sai* n. sp is reported from the intestine of swift, Micropus affinis collected during January 2006, at Aurangabad, M.S. India. Testes are small, oval & 17 in number and measures 0.02 – 0.01 x 0.019 – 0.015. The cirrus pouch small, oval and opens into the genital atrium and measures 0.04 x 0.01. The cirrus is long, thick, a spirally coiled tube and measures 0.05 x 0.003. Vas deferens is thin tube and measures 0.10 x 0.003. Genital atrium neither armed nor glandular and opens marginally.

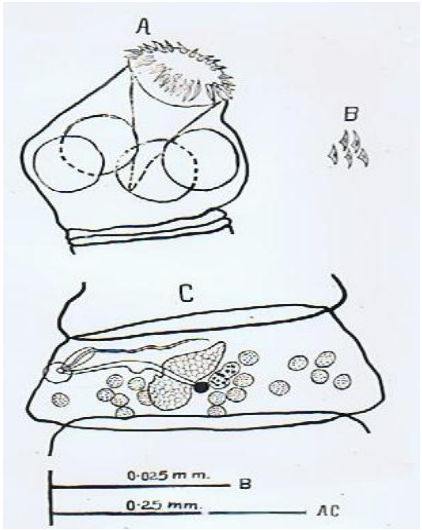

Fig. *Parvitaenia sai n.sp*. A. Scolex B. Hooks C. Mature segment

Ovary large, bilobed, obliquely placed, at the centre of the segment and measures 0.11 x 0.04. Vagina is a long tube, starts from genital atrium; posterior to cirrus pouch, rushes towards anterior side, runs posteriorly enlarges to form a receptaculumseminis & then opens into the ootype. It measures 0.15 x 0.005 in length & breadth. Receptaculumseminis small, compact mass & measures 0.02 x 0.01. Vitallinegland medium, compact, posterior to ovary & measures 0.04 x 0.2.Ootype is a small, round and measures 0.017 in diameter. The cirrus pouch &vagina opens into a common genital atrium, which is round and measures 0.02 in diameter. The genital pores are marginal, small, round and measures 0.008 in diameter. The gravid segments were not available.

RESULTS AND DISCUSSION

The tapeworm differ form *P. ardeolae*, which is having the rostellar hooks 20 in number, testes 7-9 in number, ovary bilobed, but asymmetrical, a poral lobe larger than the pora lone. The vagina posterior to cirrus pouch. The present worm differs from *P. Cochlearii*, which is having the stellar hooks 20 in number, Testes 5-8 in number, cirrus pouch armed with spines, ovary bilobed, and vagina poster ventral to cirrus pouch. The present tapeworm differs from *P. gorsakii*, which is having the rostellar hooks 10 in number, suckers large, testes 6, dorsal & posterior to ovary; cirrus pouch armed with numerous spines, ovary placed in the anterior half of the segment and genital pores unilateral. The present worm differ from *P. ibisae*, having the rostellar hooks 10 in number, testes 58-65 in number, ovary median, with long slender lobes, vagina ventral to cirrus pouch & the uterus is horse-shoe shaped.

The new tapeworm differ form *P. heardi*, which is having the rostellar hooks 20 in number, testes 30-38 in number, dorsal, lateral & posterior to ovary, cirrus pouch without of spines, ovary median with long, slender lobes and vagina distal and posterior to cirrus pouch. The above noted distinct characters justify the recognition of these worms as a new species & hence the name *Parvitenia sai .sp*. is proposed after the lord Sai baba of Shirdi, M.S. India.

ACKNOWLEDGEMENT

The author is much thankful to Principal, Shri. Shivaji Science & Arts College, Chikhali Dist. Buldana, for providing necessary laboratory facilities.

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