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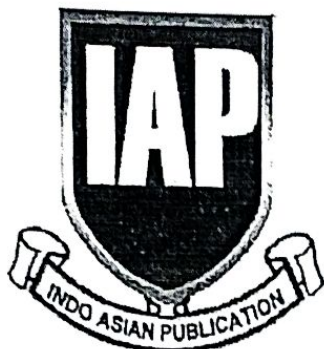
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**NEW SPECIES OF THE GENUS PHOREIOBOTHRIUM HONALIEE FROM  
CARCHARIAS ACTUS AT MURUD-JANJIRA M.S., EAST COAST OF INDIA.**

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**ABSTRACT**

*A new species of tapeworm Phoreiobothrium honaliee was erected from the marine fish Carcharias acutus at Murud-Janjira, M.S., east coast of India. Phoreiobothrium honaliee n.sp. is distinct from the other species of the genus Phoreiobothrium in the shape of bothridia, in the number of testes, in the shape of ovary.*

**Introduction:**

The genus Phoreiobothrium was erected by Linton 1889 from a dusk shark *Carcharias obscurus* at Woods Hole with type species *P. lasium*. Later on he reported *P. exceptum*, *P. pectinatum* and *P. triloculatum* at Woods Hole. Srivastav and Cappor 1982 reported *P. puriensis* from *zygaenablochi* at Puri, Orissa., Jadhav and Shinde 1984, reported *P. arbiensis* and in 1987 Jadhav and Shinde also reported *P. ratnagiriensis* from *carcharias acutus*. Jadhav D.H., Shinde G.B. and Jadhav B.V., reported *P. carachariasae* in

1990. Khadap and Dandwate reported *P. gawal* in 2012. The present communication deals with new species of the genus *Phoreiobothrium honaliee* from *Carcharias acutus* from Murud-Janjira, M.S. East coast of India.

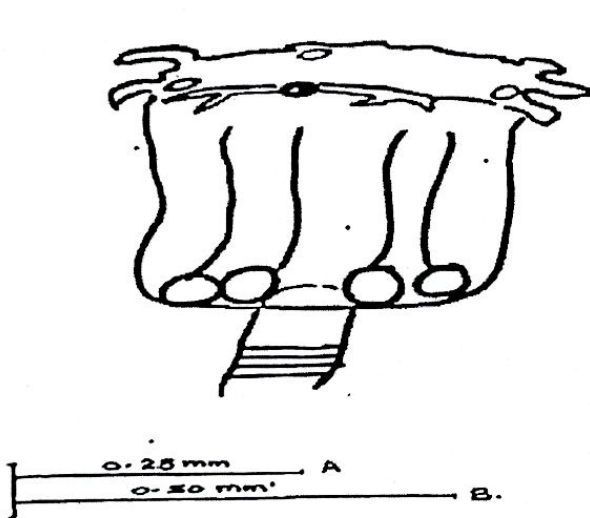
**DESCRIPTION**

Eleven specimens of tapeworms were collected from intestine of *Carcharias acutus*, mull and Henley at Murud-Janjira, east coast of India. The scolex is pear shaped, rectangular narrow posteriorly and measures 0.492 in length and 0.39-0.46 in breadth. Scolex bears four sessile

bothridia, each armed with pair of hooks. Each bothridium with a single loculum at its posterior end. Hooks trifurcated middle prong longer and measures 0.104x0.004-0.016. Four accessory suckers are present at anterior and posterior extremity of the bothridium. Posterior accessory suckers are larger than anterior accessory suckers of the bothridia.

Mature segments are longer than broad and measures 9.107-9.122 in length and 0.527 in breadth. The testes are 42-45 in number, oval

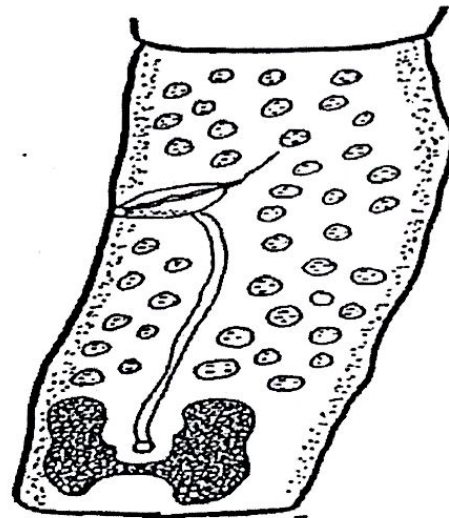
in shape pre-ovarian and measures 0.051-0.054 in length and 0.028 to 0.031 in breadth. Cirrus pouch is large, located at anterior region of the segment, oval in shape, obliquely placed and measures 0.299 in length and 0.072-0.079 in breadth. Vagina is a thin tube, runs from the cirrus pouch and reaches and opens into the Ootype and measures 0.437 in length and 0.008 in breadth. The ovary is butterfly shaped, situated at the posterior end of the segment and measures 0.712 in length and 0.091 in breadth. Vitellaria are granular thin strips.



**A- Scolex**

**DISCUSSION**

The tapeworm under discussion differs from *P.lasium* which is having bothridia tubular, posterior end divided in to number of loculi, hooks paired, trifurcated, inner prong small, vagina anterior to cirrus pouch and ovary granular; from *P.exceptum* having bthridia enlarged from *P.pectinatum* possessing the bothridia with 7 locculi at posterior end; from *P.triloculatum* which



**B- Mature Segment *Phoreiobothriumhonalieen.sp.*** is having bothridia with posterior margin with 3 loculi, testes 150-160 and vitellaria granular from *P.puriensis* bearing scolex pyramidal, bothridia with posterior end with 12 or more loculi, testes 125-140 and vitellaria follicular; from *P.arabiansis* having four quadrangular bothridia each with trifurcated hooks and testes 60-75, from *P.ratnagirinsis* quadrangular scolex with spines on scolex, bothridium with a single loculum at posterior

end and vitellaria follicular; from *P. carchariascolex* rectangular, scolex bears four sessile bothridia, each armed with a pair of hooks. Bothridium with single large loculum. A single accessory sucker is present at anterior extremity of each bothridium. Ovary 'U' shaped, testes 180-190 in number and vitellaria are granular wide strips from *P. gawaliscolex* is pear shaped with four bothridia each armed with a pair of hooks, hooks trifurcated, each bothridium bears oval suckers, testes 98-101 in no., ovary 'U' shaped and vitellaria are granular and corticular.

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