

NATIONAL BIORESOURCE DEVELOPMENT BOARD

Dept. of Biotechnology
Government of India, New Delhi

For office use:

MARINE BIORESOURCES

FORMS DATA ENTRY: Form- 1(general) Ref.
No.: (please answer only relevant fields;add additional
fields if you require)

Fauna : <input checked="" type="checkbox"/>	Flora	Microorganisms
General Category : Invertebrate (zooplankton) Ostracoda		
Scientific name & Authority : <i>Bathyconchoecia deeveyae</i> , Kornicker, 1969		
Common Name (if available) :		
Synonyms:	Author(s)	Status
Classification:		
Phylum: Arthropoda	Sub- Phylum	
Super Class :	Class : Crustacea	Sub- Class: Ostracoda
Super Order:	Order: Myodocopa	Sub Order : Halocypridina
Super Family:	Family : Halocyprididae	Sub-Family:Euconchoecinae
Genus : <i>Bathyconchoecia</i>	Species : <i>deeveyae</i>	
Authority: Kornicker		
Reference No.		
Kornicker, L. S., 1969. <i>Bathyconchoecia deeveyae</i> , a highly ornamented new species of ostracoda (Halocyprididae) from the Peru-Chile Trench System. <i>Proc. Boil. Soc. Washington</i> . 82 : 403-408.		
Geographical Location:		
Only one male specimen obtained from IIOE material.		
Latitude: 10°39'N	Place:	
Longitude: 75°22'E	State:	

Environment

Fresh water: Yes/ No

Habitat : Marine

Salinity :

Brackish : Yes/ No

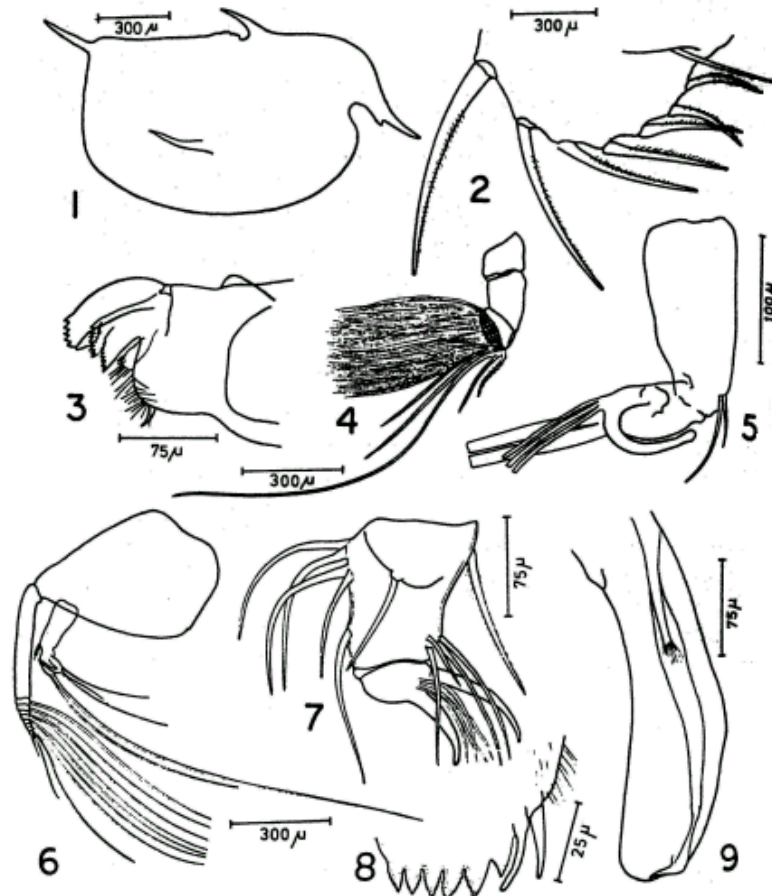
Migrations :

Temperature :

Salt water : Yes✓/ No

Depth range :

Picture (scanned images or photographs of adult / larval stages)



Bathyconchoecia deeveyae (After George, 1971)

Male: 1 – carapace, lateral view; 2 – caudal furca; 3 – mandible, toothed edge of coxale; 4 – first antenna; 5 – endopod of right second antenna; 6 – left second antenna; 7 – maxilla; 8 – mandible, toothed edge of basale; 9 – copulatory limb.

DATA ENTRY FORM: Form- 2(Fish / shellfish / others) Ref.No.: (please answer only relevant fields ; add additional fields if you require) Form -1 Ref.No.:			
IMPORTANCE			
Landing statistics (t/y) :	from	to	Place :
Main source of landing: Yes/ No			Coast: east/ west
Importance to fisheries:			Ref . No.:
Main catching method :			
Used for aquaculture	: yes/ never/ rarely		
Used as bait	: yes/no/ occasionally		
Aquarium fish	: yes/ no/ rarely		
Game fish	: yes/ no		
Dangerous fish	: poisonous/ harmful/ harmless		
Bioactivity :	locally known/ reported/ not known		Details:
Period of availability :	Throughout the year – yes/ no		If no, months:
SALIENT FEATURES :			
Morphological:			
Diagnostic characteristics:			
Carapace: Length excluding spines 1.28 mm and including spines 1.80 mm. Without any conspicuous sculpture but with faint minute dots and reticulations. Incisor deep. Long paired spines present on rostrum, middorsally, and on centre of lateral sides of both valves. Right valve with an unpaired long spine near its posterodorsal corner. Asymmetrical glands placed symmetrically near posterodorsal corner on each valve.			
First antenna: Shaft short with indistinct segmentation. Third segment with cluster of 176 filaments arranged in 8 rows and a plumose seta distally. End segment with principal seta and 3 shorter subequal bristles. Principal seta 10 time as long as the plumose seta of third segment.			
Second antenna: First endopodite segment 3 times as long as rest of segments put together. Second to eighth segments with one long bristle each provided with sparse hairs. End segment with 3 bristles of different length, one of which is exceedingly short. First endopodite segment with 2 distodorsal bristles. End segment with 2 setae, 3 filaments, and clasping organ. Right clasping organ well developed, with 3 filaments proximally. Left one small and inconspicuous.			
Mandible: Pars incisiva of coxale with 5 teeth in addition to a finger-like process below the largest tooth. Distal tooth list 14 teeth arranged in a double row and proximal tooth list with 9 teeth. A short spinous bristle present on anterior corner of coxale and numerous spines present in between spinous bristle and proximal tooth list. Toothed edge of basale with 6 triangular teeth followed by 2 recurved processes. Anterior end of endite with one and lateral with three long bristles. Two bristles at distodorsal and another bristle close to it present on this segment. First endopodite segment with one distodorsal bristle and 3 ventral bristles, second with two distodorsal and one ventral bristle, and end segment with 7 bristles.			
Maxilla: Anterior edge of first endopodite segment with 4 bristles proximally and			

one distally. Posterior edge with one bristle proximally and 4 bristles distally. End segment with 2 stout claw-like bristles and 4 slender bristles in between.

Caudal furca: Lamellae with 7 pairs of slim and long claws, with short fine hairs arranged in 2 rows. Long and unpaired bristle present behind the claws.

Copulatory limb: Broader in the middle and blunt at the tip. A rod-shaped structure with a brush at its tip penetrates the vas deferens at its proximal part.

Sex attributes:

Descriptive characters:

Meristic characteristics:

Feeding habit:

Main food :

Feeding type :

Additional remarks:

Size and age:

Maximum length (cm) (male / female/ unsexed)

Ref. No.:

Length : 1.28 mm (excluding spines)

1.80 mm (including spines)

Average length (cm) (male / female / unsexed)

Ref. No.:

Maximum weight : (g) (male / female / unsexed)

Ref. No.:

Average weight : (g) (male / female / unsexed)

Ref. No.:

Longevity (y) (wild) : (captivity)

Ref. No.:

Length / weight relationships:

Eggs and larvae: Characteristics: Abundance:	Ref. No.:
Biochemical aspects: Proximate analysis: moisture/ fat/ protein/ carbohydrate/ash Electrophoresis:	Ref. No. Ref. No.
SPAWNING INFORMATION:	
Locality: Season: Fecundity: Comment:	Main Ref:
<p>MAJOR PUBLICATIONS (INDIAN): (include review articles, monographs, books etc.)</p> <p>George Jacob, 1977. Studies on planktonic ostracods of the Northern Indian Ocean. <i>Ph.D Thesis, University of Cochin</i>, 184pp.</p> <p>George, J and Vijayalakshmi Nair, R., 1980. Planktonic ostracods of the northern Indian Ocean. <i>Mahasagar-Bull. Natn. Inst. Oceanogr.</i>, 13(1): 29-44.</p> <p>LIST OF INDIAN EXPERTS(Name, address, phone, fax, e-mail etc.)</p> <ol style="list-style-type: none"> 1. Dr. Jacob George Pulickal Soonoro Church Road Elamkulam Kochi – 682 020 2. Dr. Vijayalakshmi R. Nair HB/50, “Vijaya” South Bridge Avenue, Panampilly Nagar, Kochi - 682036 Tel: 0484 - 2316999 Fax: 0484 - 2324972 e – mail: vijayalakshmi40@hotmail.com 3. Dr. Rosamma Stephen Scientist, National Institute of Oceanography Regional Centre, Kochi – 682 014 Phone: 2390814, Res – 2203087 Email rosa@niokochi.org <p>ACKNOWLEDGEMENT: (List of persons who contributed , modified or checked information)</p>	