NATIONAL BIORESOURCE DEVELOPMENT BOARD
Dept. of Biotechnology
Government of India, New Delhi

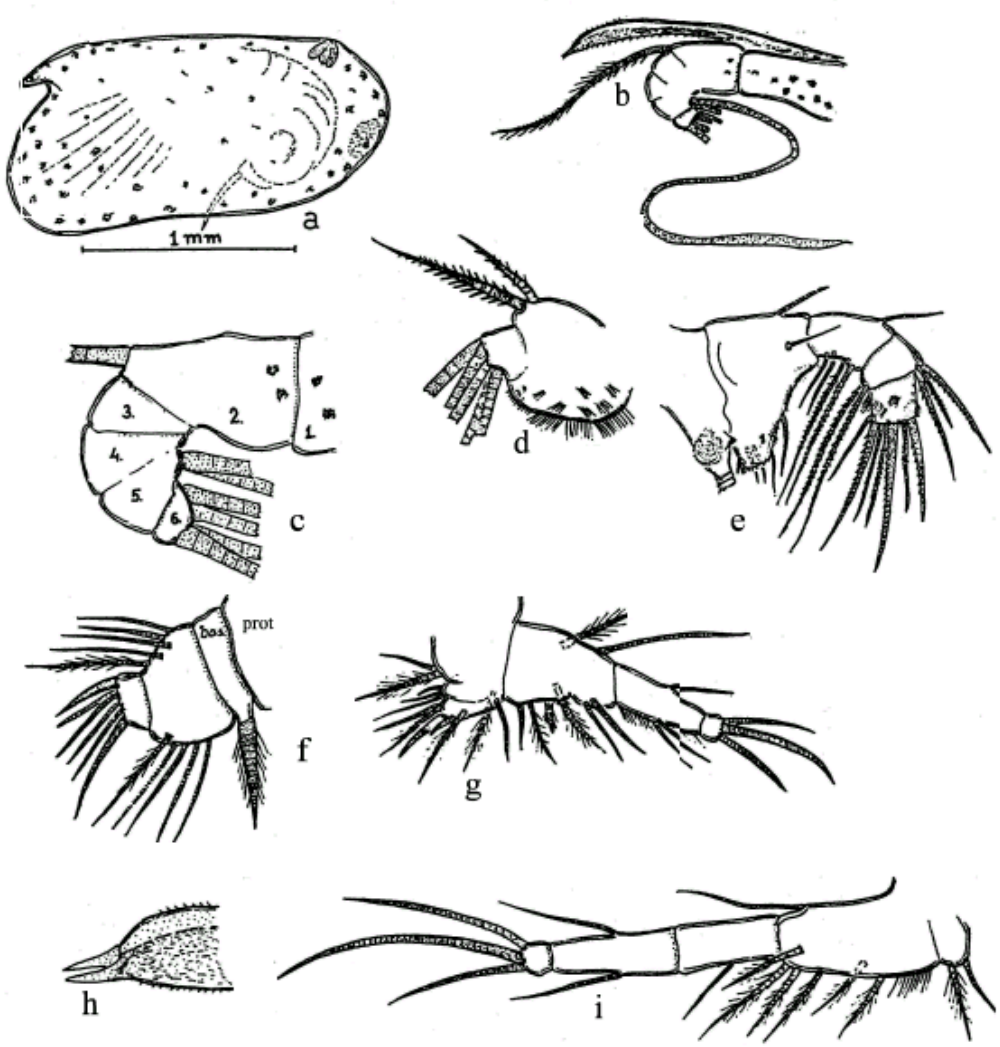
For office use:

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

Fauna : √	Flora	Microorganisms
General Category : Invertebrate (zooplankton) Ostracoda		
Scientific name &Authority : *Archiconchoecetta ventricosa* Muller, 1906 Common Name (if available) :		
Synonyms:	Author(s)	Status
Archiconchoecia ventricosa	Muller	1906, 1912
Archiconchoecia ventricosa	Poulsen	1969
Classification:		
Phylum: Arthropoda	Sub- Phylum	
Super Class :	Class : Crustacea	Sub- Class: Ostracoda
Super Order:	Order: Myodocopida	Sub Order : Myodocopina
Super Family:	Family : Cypridinidae	Sub-Family: Cypridininae
Genus : *Archiconchoecetta*	Species : *ventricosa*	
Authority: Muller		
Reference No.		
Muller, G.W., 1906. Ostracoda. *Wiss. Ergebn Deutsch. Tiefsee-Exped*., **8**: 29-154.		
Geographical Location: Distribution: Reported earlier from the Indian, Atlantic and Pacific Oceans. In the IIOE collection it was observed only at two stations from the equatorial region of the Arabian Seas.		
Latitude: 06°26°N - 06°44'N	Place:	
Longitude: 49°46'E - 57°59'E	State:	

Environment		
Fresh water: Yes/ No	Habitat : Marine	Salinity :35.1-35.5‰
Brackish : Yes/ No	Migrations :	Temperature : 13.9-27.8°C
Salt water : Yes√ / No	Depth range :	

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



Archiconchoecetta ventricosa

Female, 1.8 mm: a – shell, x 50; b – first antenna (only one of the six long bristles drawn in its whole length) and frontal organ, lv x 164; c – first antenna distal part, x 375; d – second antenna, female, endopodite, x 235; e – mandible, x 235; f – maxilla, x 235; g – fifth limb, x 235; h – tip of frontal organ, x 730; i – sixth limb, x 235.

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 : Ref . No.:
Main source of landing: Yes/ No Coast: east/ west
Importance to fisheries:
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: Shell is bean shaped with maximum height anteriorly. Rostrum short and both valves are of equal length. On the shell surface, especially closer to margin are scattered small, dark spots.

First antenna: Female: This appendage has 6 joints of which 4^{th} and 5^{th} are incompletely delimited. The bristle of the 2^{nd} joint is as long as the whole stem. It has a characteristic armature of spines. There are two sensory bristles on the 5^{th} joint and four on the 6^{th} joint. The first joint and to a less degree the 2^{nd} have dark pigment spots.

Second antenna: The protopodite is pear – shaped with no bristles or hairs. The process proximally of endopodite on ventral margin is triangular and bare. On the first endopodite joint the distal bristle is almost twice as long as the proximal one. On the protopodite are a number of dark pigment spots. The 1^{st} joint of exopodite has a bare disto – medial bristle as long as the height of the joint. The 2^{nd} to 9^{th} joints have each one long natatory bristle, and the 9^{th} has in addition 2 shorter bare bristles.

Mandible: The toothed edge of coxale endite has proximally 2-3 larger teeth, then 3 smaller ones and distally one low, very broad tooth. The distal tooth has 2 distally larger teeth and proximally a series of 5-6 larger teeth. The chewing pad with very short hairs along its margin. Basale 6 characterized by epipodial bristle on the dorsal margin. The 3 – jointed endopodite is characterized by its 3^{rd} joint being very short, almost quadrate in side view.

Maxilla: The number of bristles in the two endites are 8 on precoxale and 11 on coxale. Endopodite is characterized by its very short and broad 1^{st} joint. On its anterior and posterior margins are 5 long and slender bristles. The short end joint has 6 bristles.

Fifth limb: It has knee - bent shape and provided with bristles. All three bristles on distal endite are slender and bare. The endopodite has only 7 bristles; two of them

are claw – like. Sixth limb: The epipodial appendages has in the three groups 6-5-5 bristles. The wedge – shaped endopodite has 2 bristles: 1 plumose and 1 bare. Furca: This has 7 pairs of claws and single dorsal bristle. Frontal organ: This is short, only 140% of the stem, but considerably stouter and sword shaped. On the distal part of dorsal and ventral margin are long rows of short hairs.
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.:
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 relationalships:

Eggs and larvae: Ref . No.:
Characteristics:
Abundance:
Biochemical aspects:
Proximate analysis: moisture/ fat/ protein/ carbohydrate/ash Ref. No.
Electrophoresis: Ref. No.

SPAWNING INFORMATION:
Locality: Main Ref:
Season:
Fecundity:
Comment:

MAJOR PUBLICATIONS (INDIAN):
(include review articles, monographs, books etc.)

George Jacob, 1977. Studies on planktonic ostracods of the Northern Indian Ocean. *Ph.D Thesis, University of Cochin,* 184pp.

George, J and Vijayalakshmi Nair, R., 1980. Planktonic ostracods of the northern Indian Ocean. *Mahasagar-Bull. Natn. Inst. Oceanogr.,* **13**(1): 29-44.

Poulsen, E. M. 1969. Ostracoda – Myodocopa Part III A. Halocypriformes – Thaumatocypridae and Halocypridae. *Dana Rep.* **75** : 1-100.

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