

NATIONAL BIORESOURCE DEVELOPMENT BOARD

Dept. of Biotechnology
Government of India, New Delhi

For office use:

MARINE BIORESOURCES

FORMS DATA ENTRY: Form- 1(general)

Fauna: <input checked="" type="checkbox"/>	Flora	Microorganisms
General Category: Invertebrata (Zooplankton) Pelagic amphipod		
Scientific name & Authority: <i>Mimonecteola mixta</i> Vinogradov, 1964 Common Name (if available):		
Synonyms:	Author(s)	Status
<i>Mimonecteola mixta</i>	Vinogradov	1964:122
Classification:		
Phylum: Arthropoda	Sub- Phylum: Mandibulata	Sub- Class: Malacostraca
Super class:	Class: Crustacea	Sub Order: Hyperiidea
Super Order: Peracarida	Order: Amphipoda	Sub-Family:
SuperFamily: Lanceoloidea	Family: Microphasmidae	
Genus: <i>Mimonecteola</i>	Species: <i>mixta</i>	
Authority: Vinogradov Reference No.: Vinogradov, M.E. 1964. Hyperiidea Physosomata severnoi chasti Indiiskogo okeana [Hyperiidea Physosomata from the northern part of the Indian Ocean]. <i>Tr. In- ta Okeanol. AN SSR</i> , vol, 65, PP. 107-151.		
Geographical Location: Pacific Ocean in the region of the deepwater Philippine Trench, and 13°35' N 101°45' W; eastern part of the equatorial region of the Indian Ocean (0°, 83° E). It is found in through catches from depths of several thousand meters to the surface.		
Latitude:	Place:	
Longitude:	State:	

Eggs and larvae: Characteristics: Abundance: Biochemical aspects: Proximate analysis: moisture/ fat/ protein/ carbohydrate/ash Electrophoresis:	Ref. No. Ref. No. Ref. No.
SPAWNING INFORMATION: Locality: Season: Fecundity: Comment:	Main Ref:
MAJOR PUBLICATIONS (INDIAN): (Include review articles, monographs, books etc.) LIST OF INDIAN EXPERTS (Name, address, phone, fax, e-mail etc.) Dr.K.K.C.Nair Scientist-In-Charge R.C. of NIO, Post Box-1616 Kochi – 682 014 Dr. N. Krishna pillai “Radhika” 65- Champaka Nagar Bakery Junction Trivandrum-695 001 ACKNOWLEDGMENT: (List of persons who contributed, modified or checked information)	

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General Category: Invertebrata (Zooplankton) Pelagic amphipod		
Scientific name & Authority: <i>Mimonecteola subchelata</i> Vinogradov, 1964 Common Name (if available):		
Synonyms:	Author(s)	Status
<i>Mimonecteola subchelata</i>	Vinogradov	1964:124
Classification:		
Phylum: Arthropoda	Sub- Phylum: Mandibulata	Sub- Class: Malacostraca
Super class:	Class: Crustacea	Sub Order: Hyperiiidea
Super Order: Peracarida	Order: Amphipoda	Sub-Family:
Class: Crustacea	Family: Microphasmidae	
SuperFamily: Lanceoloidea	Species: <i>subchelata</i>	
Genus: <i>Mimonecteola</i>		
Authority: Vinogradov 1964. Reference No.: Vinogradov, M.E. 1964. Hyperiiidea Physosomata severnoi chasti Indiiskogo okeana [Hyperiiidea Physosomata from the northern part of the Indian Ocean]. <i>Tr. In- ta Okeanol. AN SSR</i> , vol, 65, PP. 107-151.		
Geographical Location: Indian Ocean (6°32' S, 100°08' E) in catches from 0-4,600m.		
Latitude:	Place:	
Longitude:	State:	

Environment

Freshwater: Yes/ No

Habitat: Marine

Salinity:

Brackish: Yes/No

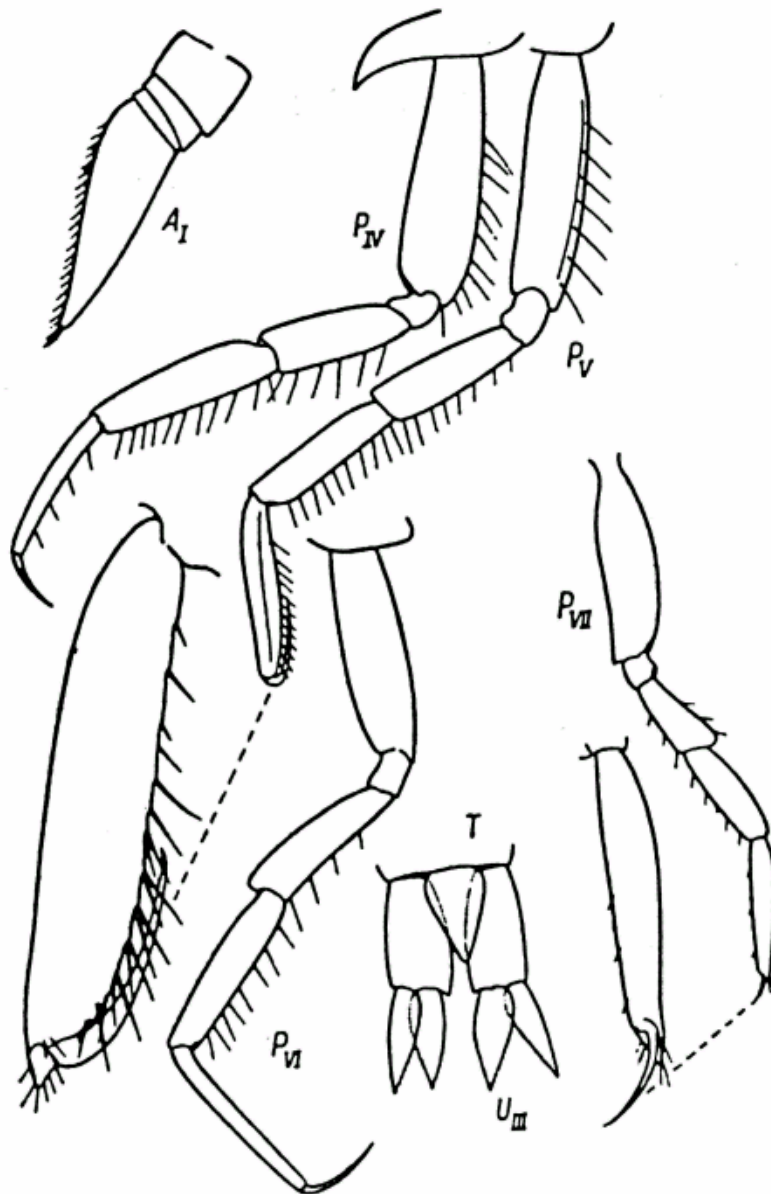
Migrations:

Temperature:

Salt Water: Yes✓/ No

Depth range :

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



Mimonecteola subchelata Vinogradov, female
(after Vinogradov, 1964)

DATA ENTRY FORM: Form -2 (Fish/ Shell fish/ 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:

The general shape, structure of antennae, mouthparts and pereopods I-II are the same as in other species of the genus.

Pereopods IV; the distally slightly narrowing 6th segment is slightly shorter than the 5th, which also narrows only slightly distally; the claw is long, about 1/3 the length of the 6th segment. Pereopods V: the 6th segment is oblong ovate, slightly longer than the 5th and 2/3 the length of the 2nd segment; its convex posterior margin is armed with long setae, fairly densely in the distal half so that a long palmate margin is formed, whose length exceeds the length of the slightly curved claw; the claw is just about 1/2 the length of the 6th segment; the 5th segment is equal to the 4th and 2/3 the length of the 2nd. Pereopods VI: the 6th segment is almost equal to the linear 5th segment, which in turn is slightly longer than the 4th. The long straight claw is just about half as long as the 6th segment. Pereopods VII: the 4th segment is slightly shorter than the 5th, which in turn is almost 2/3 the length of the 6th segment; the spoon-shaped formation in the distal part of the 6th segment into which the almost straight long claw may be retracted, is weakly developed.

The telson reaches 3/4 the length of the basipodite of uropods III.

Sex attributes:

Dimorphic

Male: 1st antenna well developed , female: 1st antenna reduced.

Descriptive characters:

Meristic characteristics:

Feeding habit:

Main food:

Feeding type:

Additional remarks:

Size and age:

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

Ref. No.:

One sexually immature female 8mm long is known.

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

Ref. No.:

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

Ref. No.:

Longevity (y) (wild): (captivity)

Ref. No.:

Length/ weight relation ships:

Eggs and larvae: Characteristics: Abundance: Biochemical aspects: Proximate analysis: moisture/ fat/ protein/ carbohydrate/ash Electrophoresis:	Ref. No. Ref. No. Ref. No.
SPAWNING INFORMATION: Locality: Season: Fecundity: Comment:	Main Ref:
MAJOR PUBLICATIONS (INDIAN): (Include review articles, monographs, books etc.) LIST OF INDIAN EXPERTS (Name, address, phone, fax, e-mail etc.) <div style="margin-left: 40px;"> <p>Dr.K.K.C.Nair Scientist-In-Charge R.C. of NIO, Post Box-1616 Kochi – 682 014</p> <p>Dr. N. Krishna pillai “Radhika” 65- Champaka Nagar Bakery Junction Trivandrum-695 001</p> </div> ACKNOWLEDGMENT: (List of persons who contributed, modified or checked information)	