

**FISHERIES RESEARCH BOARD  
OF CANADA**

**MANUSCRIPT REPORT SERIES  
(OCEANOGRAPHIC and LIMNOLOGICAL)**

**No. 174**

**Data Record**

**A Preliminary Checklist of some  
Marine Plankton from the  
Northeastern Pacific Ocean**

by  
**R. J. LeBrasseur**

**Pacific Oceanographic Group  
Nanaimo, B.C.**

**January 31, 1964**

**Programmed  
by  
THE CANADIAN COMMITTEE ON OCEANOGRAPHY**

**FISHERIES RESEARCH BOARD  
OF CANADA**

**MANUSCRIPT REPORT SERIES  
(OCEANOGRAPHIC and LIMNOLOGICAL)**

**No. 174**

**Data Record**

**A Preliminary Checklist of some  
Marine Plankton from the  
Northeastern Pacific Ocean**

by  
**R. J. LeBrasseur**

**Pacific Oceanographic Group  
Nanaimo, B.C.**

**January 31, 1964**

**Programmed  
by  
THE CANADIAN COMMITTEE ON OCEANOGRAPHY**

## Data Record

### A preliminary checklist of some marine plankton from the northeastern Pacific Ocean

by

R.J. LeBrasseur

The following list of marine plankton in no way represents to be complete nor, indeed, to itemize all the organisms reported from this area by previous workers. This is solely a list of organisms which have been identified from plankton collections made since 1956. Most of the material was collected by hauling the North Pacific Standard Nylon Net vertically from 150 meters. Other methods of collecting include horizontal tows, midwater trawls, night light collections and a few vertical hauls from depths greater than 1000 meters. In general, the organisms are representatives of the epipelagic zone outside coastal waters.

In the sorting of the collections it was customary to pick out organisms which were particularly common or strikingly different, although in some instances all representatives were picked out, e.g., annelids and fish larvae. The selected organisms were filed together with a reference number for subsequent identification. Wherever possible organisms were sent to an appropriate specialist for identification together with a request that the material be returned. In this way it was hoped to build up a reference collection which would permit and encourage rapid identification of plankton to species even by a novice. Aside from any academic interest, species identification is becoming essential in order to exploit other oceanographic observations more fully. As well, knowledge of the behaviour of some plankton may in turn increase the understanding of the behaviour of other organisms, e.g., the distribution of fish. To a very large extent the acquisition of

a reference collection has been successful; and this in no small measure due to the endeavors of the above mentioned specialists to whom acknowledgement of their special assistance will be made at a later date. The distribution of certain plankton groups and species will be the subject of a later report.

Phytoplankton

- Thalassiosira sp.
- Coscinodiscus sp.
- Rhizosolenia sp.
- Chaetoceros sp.
- Thalassiothrix sp.
- Asterionella sp.
- Nitzschia sp.

Radiolaria

- Acanthometron sp.
- Tuscarora belnapii
- T.           murrayi
- T.           lithornithium
- Drymosphaero sp.

Coelenterata

- Aequorea sp.
- Aglantha digitale
- Sarsia sp.
- Cyanea capillata
- Aurelia aurita
- Diphyes sp.
- Velella velella
- Vogtia sp.
- Dimophyes arctica
- Agalma elegans

Coelenterata (continued)

Forskalia sp.

Apolemia uvaria

Nanomia bijuga

Ctenophora

Pleurobrachia sp.

Beroe sp.

Annelida

Tomopteris renata

T. elegans

T. septentrionalis

Plotohormis tenuis

Pelagobia longicirrata

Pontodora pelagica

Lopadorhynchus uncinatus

Pedinosoma curtum

Phalocrochorus pictus

Travisiopsis lobifera

Typhloscolex mulleri

Sagitella kowalewskii

Sphaerosyllis pirifera

Autolytus varius

Callizona angelini

C. nasuta

Dorvillea kefersteini

Annelida (continued)

Spiophanes cirrata

Magelona sp.

Cossura sp.

Poebobius meseres

Mollusca

Lamellibranch larvae

Gastropoda

Clione limacina

Anopsia sp.

Notobranchaea macdonaldi

Thliptodon sp.

Cliopsis krohni

Limacina helicina

Euclio balantium

Euclio pyramidata

Cuvierina columella

Cavolinia trispinosa

Diacria trispinosa

Peraclis apicifulva

Corolla spectabilis

Cephalobranchia macrocephala

Pneumodermopsis sp.

Atlanta sp.

Carinaria sp.

Pterotrachea sp.

Mollusca

Cephalopoda

Octopoda juv.

Decapoda juv.

Gonatus fabricii

Gonatopsis borealis

Crustacea

Cladocera

Evadne sp.

Podon sp.

Ostracoda

Halocypris brevis

Conchoceia giesbrechti

C. daphnoides

C. pseudohamata

C. sp.

Cirrepedia nauplii

Lepas anatifera

L. pectinata

L. fascicularis

Mysiidae

Gnathopausia gigas

Neomysis sp.

Boreomysis sp.



Crustacea

Decapoda

- Reptantia larv.
- Natantia larv.
- Sergestes sp.
- Hymenodora frontalis
- Notostomus japonicus

Amphipods

- Cyphocaris challengerii
- Scopelocheirus coecus
- Pontogenia sp.
- Calliopius laeviusculus
- Scina sp.
- Sphaeromimonectes valdiviae
- Vibilia australis
- Paraphronima crassipes
- Primno macropa
- Dairella latissima
- Hyperia spinigera
- H. galba
- H. sp.
- Hyperoche medusarum
- H. leutkeni
- Parathemisto japonica
- P. libellula
- Phronima sedentaria
- Lycaea pauli

Crustacea

Amphipods (continued)

Oxycephalus clausi

Cranocephalus scleroticus

Streetsia challengerii

Copepoda

Calanus pacificus

C. plumchrus

C. cristatus

C. tenuicornis

Neocalanus gracilis

Eucalanus bungii bungii

E. bungii californicus

E. elongatus hyalinus

E. attenuatus

Mecynocera clausii

Pseudocalanus elongatus

Clausocalanus arcuicornis

Aetideus armatus

Gadius tenuispinus

Gaetanus simplex

Euchirella rostrata

E. curticauda

Chirundina streetsii

Undeuchaeta plumosa

Pseudochirella polypina

Crustacea

Copepoda (continued)

Pseudochirella notacantha

P. spinifera

Euchaeta acuta

E. gracialis

E. japonica

E. birostrata

Onchocalanus hirtipes

O. magnus

Cornucalanus indicus

Lophothrix frontalis

Scaphocalanus magnus

Amallothrix valida

Racovitzanus antarcticus

Scolecithricella minor V. occidentalis

Scolecithricella ovata

Scolecithrix danae

Undinella sp.

Cephalophanes refulgens

Metridia pacifica

M. curticauda

M. asymmetrica

Pleuromamma abdominalis

P. xiphias

P. gracilis

P. quadrungulata

P. scutullata

Crustacea

Copepoda (continued)

Gaussia princeps

Lucicutia flavicornis

L. maxima

L. grandis

L. ellipsoidalis

L. ovaliformis

L. bicornuta

Heterorhabdus longispinus

H. spinifrons

H. papilliger

H. pacificus

H. tanneri

Heterostylites major

Haloptilus longicornis

Pachytilus pacificus

Arietellus simplex

Candacia columbiae

C. parafalcifera

C. bipinnata

C. simplex

C. aethiopica

C. bispinosa

Epilabidocera amphitrites

Microstella rosea

Clytemnestra rostrata

Crustacea

Copepoda (continued)

Oithona plumifera

Oithona sp.

Corycaeus sp.

Onacea sp.

Euphausiacea

Bentheuphausia amblyops

Euphausia pacifica

Nematobrachion flexipes

Nematoscelis difficilis

Thysanoessa inermis

T. longipes

T. raschii

T. spinifera

Insecta

Halobates sp.

Chaetognatha

Sagitta elegans

S. scripsae

S. planctonis

S. decipiens

Eukronia hamata

Crustacea

Tunicata - Appendicularea

- Stegosoma magnum
- Oikopleura rufescens
- O. longicauda
- O. fusiformis
- Megalocerus huxleyi
- Fritillaria haplostoma

- Thaliacea

- Salpa fusiformis
- Doliolum gegenbauri

Pisces

Larvae

- Sebastodes aleutianus
- S. proriger
- S. caurinus
- S. crameri
- S. entomelas
- S. sp.
- Myoxocephalus poliacanthocephalus
- Oligocottus sp.
- Icelinus sp.
- Hemilepidotus hemilepidotus
- Odontopyxis trispinosus
- Podothecus acipenserinus

Pisces

Larvae (continued)

Liparis fucensis

L. pulchellus

Citharichthys stigmaeus

C. sordidus

Hippoglossus stenolepis

Hippoglossipides elassodon

Atheresthes stomias

Liopsetta exilis

Lepidopsetta bilineata

Parophyra retula

Microstomus pacificus

Glyptocephalus zachirus

Lumpenus sagitta

Poroclinus rothrocki

Anoplopoma fimbria

Hexagrammus decagrammus

H. superciliosus

Annarichthys ocellatus

Ammodytes tobianus personatus

Bathymaster signatus

B. sp.

Icichthys lockingtoni

Tarletonbeania sp.

Lampanyctus leucopsarus

L. ritteri

Pisces

Larvae

Lampanyctus regalis

L. sp.

Electrona sp.

Gasterosteus aculeatus

Lestidium ringens

Tactosoma macropus

Chauliodus macouni

Clupea pallasii

Engraulis mordax

Mallotus catervarius

Sprinchus dilatatus

Bathylagus pacificus

Adults or post larval stages

Anoplopoma fimbria

Bathylagus ochotensis

Cololabis saira

Diaphus theta

Gasterosteus aculeatus

Hexagrammus superciliosus

Lampanyctus leucopsarus

L. regalis

Nansenia sp.

Tactosoma macropus

Tarletonbeania sp.

Zapora silenus

Sebastodes sp.