

NOTA BREVE

**NORTHERN BRAZILIAN PELAGIC AMPHIPODS,
SUBORDER HYPERIIDEA (Crustacea).**

MÓNICA MONTÚ

**Depto. de Oceanografia, Fundação Universidade do Rio Grande, C.P.
474, 96201-900, Rio Grande - RS, Brasil**

Studies about pelagic Amphipods of Brazilian shelf waters and neighbouring areas are scarce, limited to a few papers on plankton in general, trophic studies (Meneghetti, 1973) or to unpublished thesis (Schwingel, 1991; Lima & Silva Brum, 1994., Vaske Jr., 1992). Trying partly to supply the lack of information, a list of the hyperiids of the northern Brazilian shelf and oceanic areas is herein provided.

The samples studied, were kindly lent by the Smithsonian Sorting Center. They were collected by the R/V Baependi and Oregon during the Equaland I Project (17/02-20/03/1963), in the area between 00° 15'S-51° 8'0"W and 09° 06'5" N-40° 58'0" W. Conical plankton nets of 160, µm mesh size were used in horizontal, vertical and oblique tows to a maximum depth of 150 meters.

The shelf and oceanic waters sampled were under the influence of the Surface Tropical Waters (0-120m) and South Atlantic Central Waters (120-550 m approximately).

The species were identified following Bowman & Gruner (1973); Dick (1970); Fage (1960); Hurley (1955, 1956); Shoemaker (1945); Stephensen (1924) and Zeidler (1978).

Twenty five species belonging to 13 families and 20 genera were recorded. None of the species collected were new to science. A comparison with hyperiid records from this region with the checklist obtained from the eastern and southern African waters (Dick, 1970), eastern and southern waters off China, (Ruixiang, 1983) New Zealand (Hurley, 1955) and Australian (Zeidler, 1978) showed a great similarity. Almost all the species are typical of tropical and subtropical waters, but some of them also occur in temperate regions.

List of Species Collected

Phylum Crustacea, Pennant 1777

Class: Malacostraca Latreille, 1806

Subclass: Eumalacostraca Grobben, 1892

Order: Amphipoda Latreille 1816

Suborder: Hyperiidea Milne - Edwards, 1830

Infraorder: Physosomata Pirlot, 1929

Superfamily: Scinoidea Stebbing, 1888

Family: Scinidae Stebbing, 1888

Scina curvidactyla Chevreux, 1914

Infraorder: Physocephalata Bowman & Gruner, 1973

Superfamily: Vibiliioidea Dana, 1853

Family: Paraphronimidae Bovallius, 1887

Paraphronima gracilis Claus, 1879

Paraphronima crassipes Claus, 1879

Family: Vibilidae Dana, 1853

Vibilia chuni Behning & Woltereck, 1912

Vibilia stebbingi Behning & Woltereck, 1912

Superfamily: Phronimoidea Rafinesque, 1815

Family: Hyperiidae Dana, 1853

Hyperietta vosseleri (Stebbing) 1973

Lestrigonus bengalensis Giles, 1887

Family: Phronimidae Rafinesque, 1815

Phronima stebbingi Vosseler, 1901

Phronima sedentaria (Forsk.) 1775

Phronimella elongata (Claus) 1862

Family: Phrosinidae Dana, 1853

Anchylomera blossevillei Milne-Edwards, 1830

Primno macropa Guérin-Méneville, 1836

Superfamily: Lycaeopsoidae Chevreux, 1913

Family: Lycaeopsidae Chevreux, 1913

Lycaeopsis themistoides Claus, 1879

Superfamily: Platysceloidea Bate, 1862

Family: Pronoidae Dana, 1853

Eupronoe armata Claus, 1879

Eupronoe maculata Claus, 1879

Sympronoe parva Claus, 1879

Family: Platyscelidae

Amphithyrus bispinosus Claus, 1879

Family: Lycaeidae Claus, 1879

Brachyscelus crusculum Bate, 1861

Family: Platyscelidae Claus, 1887

- Hemithyphis rapax* Claus, 1879
Parathyphis promontorii Stebbing, 1888
Family: Oxycephalidae Dana 1853
Oxycephalus piscatoris Milne-Ewards, 1830
Calamorrhynchus pellucidus Streets, 1878
Oxycephalus armatus Milne-Ewards, 1840
Streetsia porcella (Claus), 1879
Simorrhynchotus antennarius Claus, 1871
Family: Parascalidae Bate, 1862
Thyropus sphaeroma (Claus) 1879

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