

## A review of *Leptanthura* Sars, 1899, with description of a new species from the Tioman Archipelago, Malaysia (Crustacea : Isopoda : Paranthuridae).

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**Abstract :** The 34 nominal species assigned up to now to the paranthurid genus *Leptanthura* Sars, 1899 (Isopoda) are reviewed. *Leptanthura coralliophila* n.sp. from a fringing reef at Pulau Babi Besar, Tioman Archipelago (Malaysia) is described, with discussion of its supposed affinities.

The distinguishing features of *Leptanthura*-related genera are pointed out. The information regarding the distribution, depth range and habitat of *Leptanthura*-species is summarized. The genus is predominantly distributed in the southern hemisphere, with most species known from the Indo-West Pacific. *Leptanthura* appears to be absent from the Central and East Pacific, also from the westcoast of North America south to the Caribbean. Most species live in deepwater often with a wide bathymetrical range. Only 16 are known from depths less than 100 m. The inhabited substrate is known for few species and seems to be rather diverse. The new species from Malaysia is described in detail with discussion of its supposed phenetic relationships. It was found on a fringing reef at the north-west coast of Pulau Babi Besar, about 15 km off Mersing, Malaysia. It inhabits dead coral substratum (*Acropora* sp., *Pocillopora damicornis*) and was collected on the reef flat as well as on the reef margin and upper coral slope from the intertidal zone to 2 m.

**Résumé :** Les 34 espèces attribuées au genre *Leptanthura* Sars, 1899 (Isopoda) sont ici révisées. L'auteur décrit *Leptanthura coralliophila* n.sp. présente dans un récif corallien à Pulau Babi Besar, Archipel de Tioman (Malaisie) et examine ses affinités.

### INTRODUCTION

During a survey on coral-reef-inhabiting crustacea in the Tioman Archipelago (Malaysia) in April 1991 a new species of the paranthurid genus *Leptanthura* Sars, 1899 (Isopoda) was found and is described herein. Thirty-four nominal species have been assigned to *Leptanthura* to date. Most of them are insufficiently characterized and some are even unidentifiable from their superficial descriptions.

The genus *Leptanthura* appears to be polyphyletic, as presumed by Wägele (1989 : 159) and most closely allied with *Albanthura* Wägele, 1985. *Leptanthura* also shows affinities to the genera *Bullowanthura* Poore, 1978, *Psittanthura* Wägele, 1985 and *Ulakanthura* Poore, 1978 (Wägele, 1989 : 159).

Because no complete information on *Leptanthura* has been summarized, I found it useful for further study of this heterogeneous genus to provide a review of the nominal species, which is complemented with some information on the geographic distribution, depth range

and habitat of the respective species. Species of *Leptanthura* are often very similar in their morphological features. Therefore no attempt was made to give a key to these species, because generally the complete information from a description has to be considered to recognize a species, which is difficult to handle in a key.

Material of the new species described is deposited in the Muséum National d'Histoire Naturelle, Paris, France (MNHN) and in the author's private collection.

Paranthuridae [Menzies & Glynn, 1968]

*Leptanthura* Sars, 1899

- 1899 *Leptanthura* Sars, An account of the Crustacea of Norway. II. Isopoda : 47-48.  
 1925 *Leptanthura*, Barnard, J. Linn. Soc. London (Zool.), 36 : 149-150.  
 1956 *Leptanthura*, Wolff, Galathea Rep., 2 : 137.  
 1962 *Leptanthura*, Menzies, in : Abyssal Crustacea. Vema Res. Ser., 1 : 193.  
 1973 *Leptanthura*, Birstein, Izdatel'jstvo. Akad. Nauk SSSR, 1963 : 313 (english translation of russian text 1963, remarks on species distribution).  
 1978 *Leptanthura*, Poore, Mem. Natn. Mus. Victoria, 39 : 136.  
 1980 *Leptanthura*, Poore, Zool. J. Linn. Soc., 68 : 61-62 (with list of species known up to then).  
 1981 *Leptanthura*, Poore, Mem. Natn. Mus. Victoria, 42 : 76.  
 1981 *Leptanthura*, Wägele, Zoologica, 132 : 51 fig. 20 (muscular system of tail fan), 56 fig. 23 (anatomy of tail fan), 58 fig. 24 (morphology of pleon), 59 (morphology of uropod), 92 fig. 41, 94 (phylogeny), 93 fig. 42 (maxilliped morphology).  
 1982 *Leptanthura*, Kensley, Ann. S. Afr. Mus., 90 (3) : 174-175.  
 1982 *Leptanthura*, Kussakin, in : Opredeliteli po faune SSSR, 131 : 41 (in russian).  
 1984 *Leptanthura*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : 121 (catalogue of species).  
 1989 *Leptanthura*, Wägele, Zoologica, 140 : 159, fig. 76 (remarks on phylogeny).

Type species : *Paranthura tenuis* Sars, 1873.

Diagnosis

Colourless, most often eyeless Paranthuridae with 7 pairs of pereopods and free pleonites. Telson with large proximal statocyst.

Flagellum of antennae 1-2 shorter than peduncles.

Endite of mandible cone-shaped and acute, with 3-articulated palp (except for *Leptanthura apalpata* Wägele, 1981, which shows a reduction of the mandibular palp).

Maxilla an elongate stylet. Maxilliped lacking endite, of 1-4 articles.

Pereopods 1-3 subchelate (2-3 distinctly smaller than 1), 4-7 ambulatory.

Exopodite of pleopod 1 operculiform ; ♂ copulatory stylet simple.

Uropodal exopodites overlapping dorsally (in all species ?).

The genus *Leptanthura* is predominantly distributed in the southern hemisphere, with most species reported from the Indo-West Pacific. *Leptanthura*-species inhabit a wide variety of substrates from the intertidal zone to the deep sea.

Although there are still many gaps concerning the worldwide distribution of the genus, it appears that *Leptanthura* is not present along the Northamerican eastcoast south to the Caribbean and along the westcoast of the American continent. The genus is also unknown from the entire Central and East Pacific area.

It is supposed, that at least three of the species assigned to *Leptanthura* and considered in the following review do not belong to this genus or cannot be assigned to any taxon, according to the diagnosis given above :

1. According to Poore (1978 : 168) *Leptanthura australis* (Haswell 1881) is a nomen dubium. However, Negoescu & Wägele (1984 : 122) included it into their world-list of Anthuridea.

2. As mentioned by Kensley (1987 : 123) for *Leptanthura orientalis* Barnard, 1925 from Singapore, this species has some features which do not fit well within the generic diagnosis. This species has non-subchelate pereopods 2-3 and a  $\delta$  copulatory stylet with a recurved, subapical process. It is known only from an incompletely preserved holotype ( $\delta$ ) and there are "strong doubts" (Kensley) that it belongs to *Leptanthura*.

3. For *Leptanthura sculpta* Pasternak, 1982, Wägele (1985 : 12) presumes that this insufficiently described Mediterranean deep sea species probably belongs to *Albanthura*.

The following genera show affinities to *Leptanthura* ; the features of which distinguishing them from this genus are summarized as follows :

1. *Albanthura* : presence of a maxillipedal endite, uropodal exopodites not overlapping dorsally.

2. *Bullowanthura* : mandibular palp uniarticulate ; flagellum of antenna 1-2 remarkably more slender than peduncle ; third peduncular article of 2nd antenna with brush of long setae.

3. *Psittanthura* : mandibular palp lacking ; pereopod 2 enlarged and prehensile as pereopod 1, both quite similar to each other ; uropodal endopodite not reaching beyond distal margin of telson.

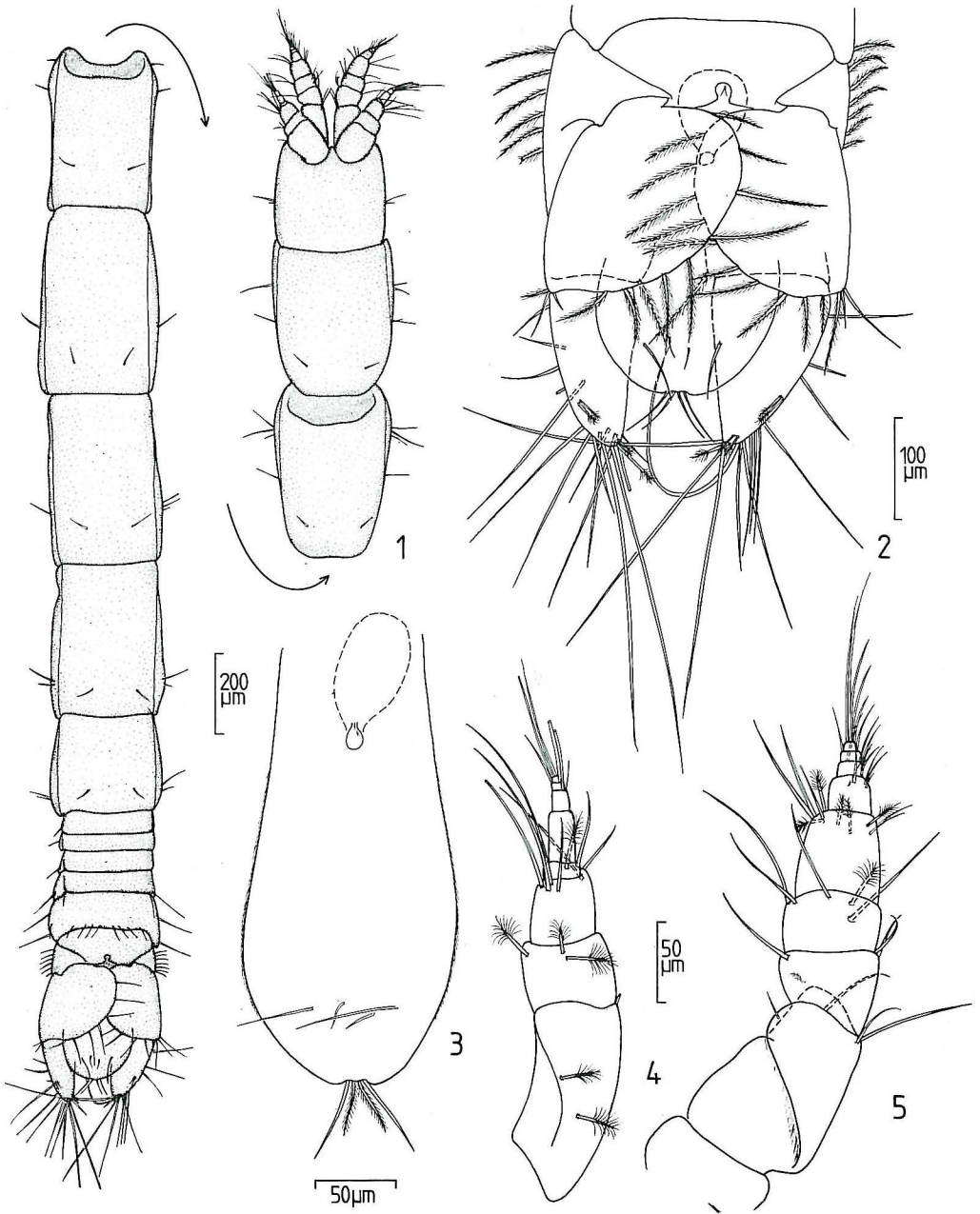
4. *Ulakanthura* : mandibular palp uniarticulate ; merus of pereopods 4-7 enlarged, posterodistally produced and reaching beyond proximal part of carpus ; subchelate pereopods 1-3 enlarged, similar in shape to each other ; telson with a deep apical notch.

#### DESCRIPTION OF *LEPTANTHURA CORALLIOPHILA* N.SP.

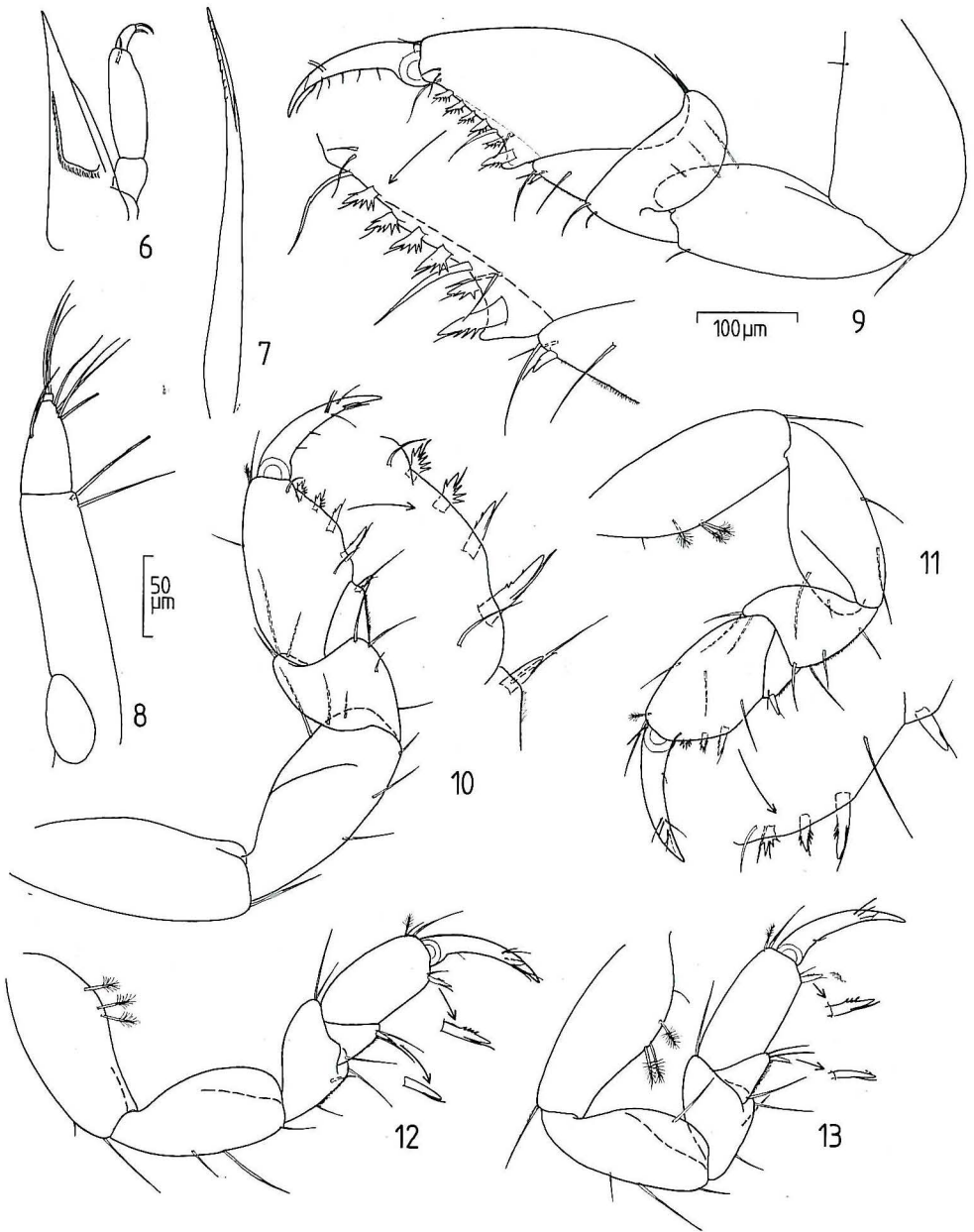
##### *Leptanthura coralliophila* n.sp. (Figs. 1-19)

Holotype : immature adult (MNHN), Pulau Babi Besar, about 15 km off Mersing, Malaysia ; from dead coral substratum on reef flat, intertidal-1 m, 1 April 1991.

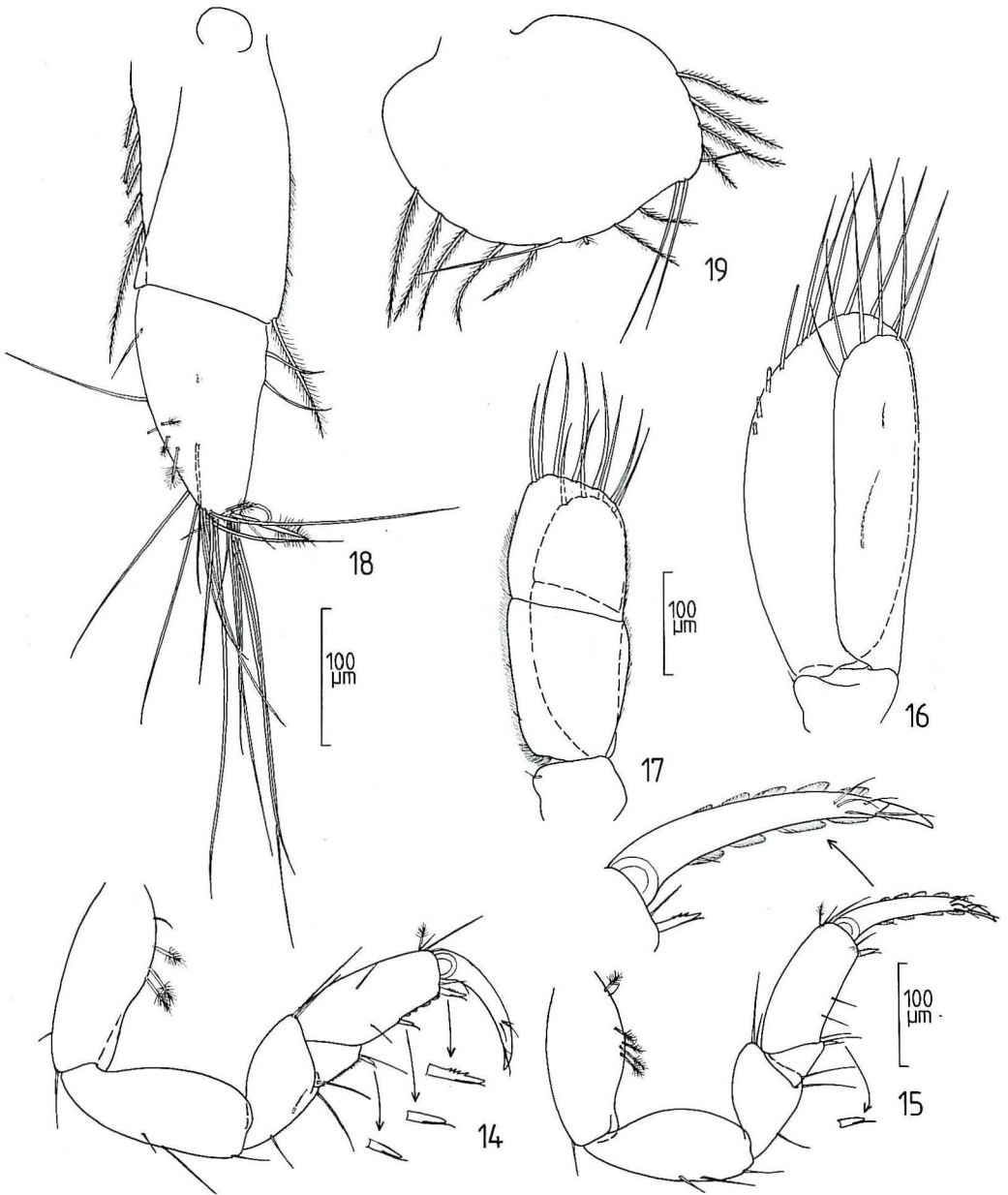
Paratypes : 2 immature adults, 1 postmanca (Coll., Müller) ; collected together with holotype. 1 immature adult, 1 postmanca (MNHN) ; Pulau Babi Besar ; outer reef flat, reef



Figs. 1-5 : *Leptanthura coralliophila* n.sp., immature adult, holotype : 1. dorsal view ; 2. telson and uropods, dorsal view ; 3. telson, dorsal view ; 4. antenna 1 ; 5. antenna 2.



Figs. 6-13 : *Leptanthura coralliophila* n.sp., immature adult, holotype : 6. mandible ; 7. maxilla ; 8. maxilliped ; 9. pereopod 1 ; 10. pereopod 2 ; 11. pereopod 3 ; 12. pereopod 4 ; 13. pereopod 5.



Figs. 14-19: *Leptanthura coralliophila* n.sp., immature adult, holotype : 14. pereopod 6 ; 15. pereopod 7 ; 16. pleopod 1 ; 17. pleopod 2 ; 18. uropodal sympodite and endopodite ; 19. uropodal exopodite.

margin and coral slope, from dead coral substrate (*Acropora* sp., *Pocillopora damicornis*), 1-2 m, 2 April 1991.

Derivatio nominis : the specific name refers to the coral habitat of the new species.

Description, immature adult : body slender, colourless and without eyes, 12 times longer than wide, bearing some short, dorsal and lateral setae. Total length 3.7-4.8 mm. Body proportions :  $C < 1 = 2 = 3 < 4 > 5 > 6 > 7$ . Pleonites free, 1-4 subequal in length ; pleonite 5 twice length of 4th. Telson tongue-shaped, widest in distal third ; distal margin rounded, with shallow apical notch bearing two short simple and two feathered setae ; dorsodistal surface of telson with 2 short and 2 more longer simple setae ; large proximal statocyst present.

Antenna 1, peduncle 3-articulated, with proximal article longer than two distal peduncular articles together ; flagellum 5-articulated ; proximal flagellar article much wider than long, bearing a feathered sensory seta ; flagellar articles 2-5 decreasing in size distally, 3rd and 4th article bearing single aesthetasc. Antenna 2, peduncle of 5 articles : second article largest, grooved to accomodate peduncle of antenna 1 ; peduncular articles 3 and 4 wider than long, subequal in length ; 5th peduncular article as long as wide ; flagellum of 4 setose articles.

Mandible with 3-articulated palp ; second article much longer than 1st and 3rd, bearing a short distal seta ; distal article smallest, bearing two short, curved setae ; endite of mandible acute, elongate-cone-shaped. Maxille elongate-slender and styletto-like ; distal part with narrow lamella and 9 indentations. Maxilliped with long basipodite, endite lacking ; palp 2-articulated, with first palp article much larger than tiny distal article ; basipodite with 2, first palp article with 5 and distal palp article with 3 medially curved setae.

Pereopods 1-3 subchelate ; palm of propodus of pereopod 1 with basal triangular tubercle and 6 denticulate compound spines ; pereopod 2 somewhat larger than pereopod 3, both distinctly smaller than pereopod 1 ; propodal palm of pereopods 2 and 3 convex, bearing 4 denticulate spines in pereopod 2, 3 such spines in pereopod 3 ; pereopods 4-7 slender, ambulatory, with almost straight propodal palm ; posterodistal margin of propodal palm with a single denticulate compound spine ; moreover, palm in pereopod 6 with additional non-denticulate compound spine at midlength and 4 scale-like structures in distal half ; carpus of all pereopods triangular, lacking free anterior margin and bearing a posterodistal non-denticulate compound spine ; dactylus of pereopod 7 with 5 scale-like structures at both anterior and posterior margins.

Basis of pleopods 1-2 without retinaculae at medial margin, bearing a short seta at outer distal margin ; operculiform exopodite of pleopod 1 with 11 distal marginal setae ; slender, almost parallel-sided endopodite with 6 distal setae ; rami of pleopod 2 biarticulate ; endopodite with 4, the slightly longer exopodite with 5 distal setae ; all setae of pleopodal rami plumose, drawn as simple setae.

Uropodal endopodite longer than sympodite, subtriangular in outline ; endopodite with 6 feathered sensory setae at dorsodistal surface near margin ; distal margin of endopodite with several long simple setae ; uropodal exopodite roughly oval, with 4 simple and 12 plumose marginal setae.

Postmanca : in general features as immature adult, total length 2.8-3.4 mm.

Remarks : affinities may exist to the New Zealand deep water species *Leptanthura exilis* Wägele, 1985, which differs from *L. coralliophila* easily by the presence of only non-tenticulate compound spines on pereopods 4-7 and a sparsely setose uropodal exopodite (cf. Wägele 1985 : 369, figs. 36-39).

*Leptanthura coralliophila* n.sp. resembles in many features also the Mediterranean deep-water species *Leptanthura apalpata* Wägele, 1981, which is known from Italy (Capri) (Wägele 1981 : 219) and Algeria (Negoescu 1984 : 55). Compared with immature adults of *apalpata* in the original description, *coralliophila* differs from this species in the following features. Both antenna 1 and 2 are more robust in *apalpata*. The mandibular palp is absent in *apalpata*, present in *coralliophila*. Although the pereopod 1 is similar in both species, the compound spines on pereopods 2-7 are non-denticulate in *apalpata* and longer on pereopods 2-3. Moreover, the ambulatory pereopods 4-7 are more slender and bear longer compound spines than in *coralliophila*. The telson of *coralliophila* is wider in its distal third and the pair of distal feathered setae is distinctly shorter than the pair of short simple setae. Finally, the uropodal exopodite of *apalpata* is broader and more densely setose than in *coralliophila* (cf. Wägele 1981 : 219, figs. 7-11).

From all species of *Leptanthura*, only *L. laevigata* (Stimpson, 1855) and *L. coralliophila* are known to live on coral reefs. *L. coralliophila* was found on the reef flat to the reef margin and coral slope in depths from the intertidal zone to 2 m, in dead coral substratum of *Acropora* sp. and *Pocillopora damicornis*. None of the specimens of *coralliophila* could be collected on the sand-mud-flat of the reef studied, where extensive sampling has also been carried out.

Distribution : Pulau Babi Besar, Tioman Archipelago (Malaysia).

#### REVIEW OF *LEPTANTHURA*

##### *Leptanthura affinis* (Bonnier, 1896)

- 1896 *Calathura affinis* Bonnier, Ann. Univ. Lyon, 3 : 568, pl. 31 : fig. 3.  
 1925 *Leptanthura affinis*, Barnard, J. Linn. Soc. London (Zool.), 36 : 150.  
 1941 *Leptanthura affinis*, Nierstrasz, Siboga Exped. Monogr., 32d : 242 [text].  
 1980 *Leptanthura affinis*, Poore, Zool. J. Linn. Soc., 68 : 62 [list].  
 1981 *Leptanthura affinis*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 23 : 120 fig. 8 [map].  
 1982 *Leptanthura affinis*, Kensley, Smiths. Contr. Zool., 346 : 2 [list], 29-32, figs. 20-22, pl. 4.  
 1984 *Leptanthura affinis*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : 121 tab. I [in catalogue].  
 1984 *Leptanthura affinis*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 26 : 55, tab. I.  
 1985 *Leptanthura affinis*, Negoescu, Isopodes Anthurides, in : Campagnes BIOGAS : 450, tab. 460 [text].



Distribution : E-Atlantic (Biscay Bay, Gulf of Gascony, Canary Islands, Sierra Leone Basin, Gulf of Guinea, Guiana Basin).

Depth range : 516-2187 m.

*Leptanthura agulhasensis* Kensley, 1975

1975 *Leptanthura agulhasensis* Kensley, Ann. S. Afr. Mus., 67 (4) : 38 [list], 64-67, figs. 14 a-k, 15 a-d, 69 [text].

1978 *Leptanthura agulhasensis*, Kensley, Ann. S. Afr. Mus., 77 (1) : 19 [text].

1978 *Leptanthura agulhasensis*, Kensley, Guide to the marine isopods of southern Africa. Trust. S. Afr. Mus : 52, fig. 22M, [key].

1978 *Leptanthura agulhasensis*, Poore, Mem. Natn. Mus. Victoria, 39 : 141, 144 [text].

1980 *Leptanthura agulhasensis*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 21 : 92 [text].

1980 *Leptanthura agulhasensis*, Poore, Zool. J. Linn. Soc., 68 : 62 [list].

1981 *Leptanthura agulhasensis*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 23 : 117 [text], 120 fig. 8 [map].

1982 *Leptanthura agulhasensis*, Kensley, Ann. S. Afr. Mus., 90 (3) : 175 [key].

1984 *Leptanthura agulhasensis*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : 121 tab. I [in catalogue].

1985 *Leptanthura agulhasensis*, Negoescu, Isopodes Anthurides, in : Campagnes BIO-GAS : 460 [text].

1985 *Leptanthura agulhasensis*, Wägele, N.Z. J. Zool., 12 : 370 [text].

Distribution : Atlantic and Indian Ocean, South Africa (Saldanha Bay to East London).

Depth range : 26-320 m.

Habitat : Gravel, shells, sand, mud.

*Leptanthura antarctica* Kussakin, 1967

1967 *Leptanthura antarctica* Kussakin, in : Biol. Rep. Soviet Antarct. Exped. (1955-1958), 3 : 256-260, figs. 21-22, 337 tab. I.

1978 *Leptanthura antarctica*, Kensley, Ann. S. Afr. Mus., 77 (1) : 19 [text].

1980 *Leptanthura antarctica*, Poore, Zool. J. Linn. Soc., 68 : 62 [list].

1981 *Leptanthura antarctica*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 23 : 120 fig. 8 [map].

1984 *Leptanthura antarctica*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : 121 tab. I [in catalogue].

1985 *Leptanthura antarctica*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 27 : 44 (tab. IV).

Distribution : Antarctica (Davis Sea).

Depth range : 206-540 m.

Habitat : Gravel, sand, mud.

*Leptanthura apalpata* Wägele, 1981

1981 *Leptanthura apalpata* Wägele, Isr. J. Zool., 30 : 219-224.

1984 *Leptanthura apalpata*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 26 : 55.

1984 *Leptanthura apalpata*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : 121 tab. I [in catalogue], 136 [text].

1984 *Leptanthura apalpata*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 26 : 55, tab. I.

Distribution : Mediterranean (Tyrrhenian Sea, Capri Island).

Depth range : 300-2380 m.

*Leptanthura argentinae* Kensley, 1982

1982 *Leptanthura argentinae* Kensley, Smiths. Contr. Zool., 346 : 3 [list], 32-35, figs. 23-25, 37 [text].

1984 *Leptanthura argentinae*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : 122 tab. I [in catalogue].

Distribution : S-Atlantic (Argentina-Basin).

Depth range : 1002-4392 m.

*Leptanthura australis* (Haswell, 1881)

1881 *Paranthura australis* Haswell, Proc. Linn. Soc. N.S.W., 5 : 477-478, pl. 18 fig. 4.

1882 *Paranthura australis*, Haswell, Catalogue of Austr. Stalk- and Sessile- Eyed Crustacea, Austr. Mus., Sydney : 304-305.

1925 *Paranthura australis*, Barnard, J. Linn. Soc. London (Zool.), 36 : 151.

1941 *Leptanthura australis*, Nierstrasz, Siboga Exped. Monogr., 32d : 242.

1978 *Paranthura australis*, Poore, Mem. Natn. Mus. Vict., 39 : 168.

1984 *Leptanthura australis*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : 122 tab. I [in catalogue].

Distribution : Northern and eastern Australia.

Depth range : 31 m.

Remarks : according to Poore (1978) a nomen dubium, though included into the world-list of Anthuridea by Negoescu & Wägele (1984).

*Leptanthura boweni* Poore, 1981

1981 *Leptanthura boweni* Poore, Mem. Natn. Mus. Victoria, 42 : 76-77, figs. 14-16.

1984 *Leptanthura boweni*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : 122 tab. I [in catalogue].

1985 *Leptanthura boweni*, Wägele, N. Z. J. Zool., 12 : 369 [text].

1991 *Leptanthura boweni*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 31 : 373 [text].

Distribution : Southeastern Australia (New South Wales, Victoria).

Depth range : 7-329 m.

Habitat : Sandy to silty-sand sediments.

*Leptanthura chiltoni* (Beddard, 1886)

1886 *Paranthura chiltoni* Beddard, Rep. Sci. Res. Voyage HMS Challenger, (Zool.), 17 (1) : 144.

1925 *Leptanthura chiltoni*, Barnard, J. Linn. Soc. London (Zool.), 36 : 151.

1941 *Leptanthura chiltoni*, Nierstrasz, Siboga Exped. Monogr., 32d : 242.

1956 *Leptanthura chiltoni*, Wolff, Galathea Rep., 2 : 137, 139 [text].

1961 *Leptanthura chiltoni*, Hurley, Trans. Roy. Soc. N.Z., 1 (20) : 266 [in checklist], 283 [key].

1980 *Leptanthura chiltoni*, Poore, Zool. J. Linn. Soc., 68 : 62 [list].

1981 *Leptanthura chiltoni*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 23 : 120 fig. 8 [map].

1984 *Leptanthura chiltoni*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : 122 tab. I [in catalogue].

1987 *Leptanthura chiltoni*, Kensley, Steenstrupia, 13 (3) : 127, 129.

Distribution : Northern New Zealand.

Depth range : 1274 m.

Habitat : Mud .

*Leptanthura diemenensis* (Haswell, 1884)

1884 *Paranthura diemenensis* Haswell, Proc. Linn. Soc. N.S.W., 9 (4) : 1011, pl. 52 figs. 6-13.

1925 *Leptanthura diemenensis*, Barnard, J. Linn. Soc. London (Zool.), 36 : 151.

1941 *Leptanthura diemenensis*, Nierstrasz, Siboga Exped. Monogr., 32d : 242.

1978 *Leptanthura diemenensis*, Poore, Mem. Natn. Mus. Victoria, 39 : 136 [key], 136-138, figs. 1-3.

1980 *Leptanthura diemenensis*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 21 : 92 [text].

1980 *Leptanthura diemenensis*, Poore, Zool. J. Linn. Soc., 68 : 62 [list].

1981 *Leptanthura diemenensis*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 23 : 117 [text], 120 fig. 8 [map].

1981 *Leptanthura diemenensis*, Poore, Mem. Natn. Mus. Victoria, 42 : 76 [text].

1984 *Leptanthura diemenensis*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : 122 tab. I [in catalogue].

1985 *Leptanthura diemenensis*, Wägele, N.Z. J. Zool., 12 : 369 [text].

1987 *Leptanthura diemenensis*, Kensley, Steenstrupia, 13 (3) : 129.

Distribution : Australia (New South Wales, Victoria), Tasmania.

Depth range : 0-192 m.

Habitat : Coarse sand, shells.

*Leptanthura elegans* Birstein, 1963

1963 *Leptanthura elegans* Birstein, in : Izdatel'Stvo Akad. Nauk SSSR : 138-141, figs. 68-69.

1973 *Leptanthura elegans*, Birstein, in : Izdateljstvo Akad. Nauk SSSR, 1963 : 190-192, figs. 68-89 (english translation of russian text 1963).

1980 *Leptanthura elegans*, Poore, Zool. J. Linn. Soc., 68 : 62 [list].

1981 *Leptanthura elegans*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 23 : 120 fig. 8 [map] .

1982 *Leptanthura elegans*, Kussakin, in : Opredeleteli po faune SSSR, 131 : 41 [key], 44-46, figs. 25-26 (in russian).

1984 *Leptanthura elegans*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : 122 tab. I [in catalogue].

1985 *Leptanthura elegans*, Wägele, N.Z. J. Zool., 12 : 369 [text].

Distribution : Kurille Islands.

Depth range : 1226 m.

*Leptanthura exilis* Wägele, 1985

1985 *Leptanthura exilis* Wägele, N.Z. J. Zool., 12 : 369, figs. 36-39.

Distribution : New Zealand.

Depth range : 506 - 507 m.

*Leptanthura flindersi* Poore, 1981

1981 *Leptanthura flindersi* Poore, Mem. Natn. Mus. Victoria, 42 : 80-82, figs. 17-18.

1984 *Leptanthura flindersi*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : 122 tab. I [in catalogue].

Distribution : Eastern Tasmania and southeastern Australia (Victoria).

Depth range : 12-24 m.

Habitat : reef, "sand and corallines".

*Leptanthura geocostarioi* Negoescu, 1991

1991 *Leptanthura geocostarioi* Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 31 : 366-374, figs. 2-6.

Distribution : Brazil.

Depth range : 65 m .

Habitat : sand, silt and gravel.

*Leptanthura glacialis* Hodgson, 1910

- 1910 *Leptanthura glacialis* Hodgson, in : Natn. Antarct. Exped., 1901-1904 (Zool. & Bot.), 5 : 9-11, pl. 1 : fig. 1.
- 1921 *Leptanthura glacialis*, Tattersall ; in : Brit. Antarct. (Terra Nova) Exped., 1910 (Zool), 3 : 232.
- 1925 *Leptanthura glacialis*, Barnard, J. Linn. Soc. London (Zool.), 36 : 150.
- 1926 *Leptanthura glacialis*, Monod, in : Exped. Antarct. Belge, Rés. Voyage de la Belgica en 1897-1899, Zool. : 41.
- 1941 *Leptanthura glacialis*, Nierstrasz, Siboga Exped. Monogr., 32 : 242 [text].
- 1956 *Leptanthura glacialis*, Wolff, Galathea Rep., 2 : 138-139 [text].
- 1967 *Leptanthura glacialis*, Kussakin, in : Biol. Rep. Soviet Antarct. Exped. (1955-1958), 3 : 256, fig. 20, 337 tab. I.
- 1978 *Leptanthura glacialis*, Kensley, Ann. S. Afr. Mus., 77 (1) : 23 [text].
- 1980 *Leptanthura glacialis*, Poore, Zool. J. Linn. Soc., 68 : 62 [list].
- 1981 *Leptanthura glacialis*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 23 : 120 fig. 8 [map].
- 1982 *Leptanthura glacialis*, Kensley, Smiths. Contr. Zool., 346 : 35-37, fig. 26, pls. 5, 6.
- 1984 *Leptanthura glacialis*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : 122 tab. I [in catalogue].
- 1985 *Leptanthura glacialis*, George & Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 27 : 37.
- 1985 *Leptanthura glacialis*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 27 : 21 (tab. I), 37, 45 (tab. IV).
- 1987 *Leptanthura glacialis*, Kensley, Steenstrupia, 13 (3) : 123.
- 1991 *Leptanthura glacialis*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa 31 : 368 [text].

Distribution : Antarctica (Ross Sea, Bellingshausen Sea, Weddell Sea), Atlantic Ocean (King George Is., Shetland Is., Argentina Basin and Brazil).

Depth range : 50-5216 m.

*Leptanthura guianae* Kensley, 1982

- 1982 *Leptanthura guianae* Kensley, Smiths, Contr. Zool., 346 : 36-37, figs. 27-28.
- 1984 *Leptanthura guianae*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : 122 tab. I [in catalogue].
- 1985 *Leptanthura guianae*, Wägele, N.Z. J. Zool., 12 : 369 [text].
- Distribution : Atlantic (Guiana Basin).
- Depth range : 515-1487 m.

*Leptanthura hendili* Wolff, 1956

- 1956 *Leptanthura hendili* Wolff, Galathea Rep., 2 : 137-139, figs. 51-53.  
 1962 *Leptanthura hendili*, Menzies, in : Abyssal Crustacea. Vema Res. Ser., 1 : 88 [list].  
 1973 *Leptanthura hendili*, Birstein, in : Izdatel'stvo Akad. Nauk SSSR, 1963 : 191 [text]  
 (english translation of russian text 1963).  
 1980 *Leptanthura hendili*, Poore, Zool. J. Linn. Soc., 68 : 62 [list].  
 1981 *Leptanthura hendili*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 23 : 120 fig.  
 8 [map].  
 1981 *Leptanthura hendili*, Wägele, Zoologica, 132 : 94 [text].  
 1984 *Leptanthura hendili*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa,  
 25 : 122 tab. I [in catalogue].  
 1985 *Leptanthura hendili*, Negoescu, Isopodes Anthurides, in : Campagnes BIOGAS :  
 460 [text].  
 1985 *Leptanthura hendili*, Wägele, N.Z. J. Zool., 12 : 370.  
 Distribution : Indonesia (Banda Trench, west of New Guinea).  
 Depth range : 6490-6650 m.  
 Habitat : Clay.

*Leptanthura kapala* Poore, 1978

- 1978 *Leptanthura kapala* Poore, Mem. Natn. Mus. Victoria, 39 : 136 [key], 144, figs. 6-7.  
 1980 *Leptanthura kapala*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 21 : 92  
 [text].  
 1980 *Leptanthura kapala*, Poore, Zool. J. Linn. Soc., 68 : 62 [list].  
 1981 *Leptanthura kapala*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 23 :  
 117 [text], 120 fig. 8 [map].  
 1981 *Leptanthura kapala*, Poore, Mem. Natn. Mus. Victoria, 42 : 76 [text].  
 1984 *Leptanthura kapala*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa,  
 25 : 122 tab. I [in catalogue].  
 Distribution : Australia (New South Wales).  
 Depth range : 1200 m.

*Leptanthura laevigata* (Stimpson, 1855)

- 1855 *Anthura laevigata* Stimpson, Proc. Acad. Nat. Sci. Philadelphia, 7 : 393.  
 1914 *Leptanthura faurei* Barnard, Ann. S. Afr. Mus., 10 : 345 a, pl. 29B.  
 1914 *Leptanthura laevigata*, Vanhöffen, Dt. Südpolar-Exped., 15 : 492.  
 1925 *Leptanthura laevigata*, Barnard, J. Linn. Soc. London (Zool.), 36 : 151.  
 1941 *Leptanthura laevigata*, Nierstrasz, Siboga Exped. Monogr., 32d : 242.  
 1956 *Leptanthura laevigata*, Wolff, Galathea Rep., 2 : 138 [text].  
 1973 *Leptanthura laevigata*, Birstein, Izdatel'stvo Akad. Nauk SSSR, 1963 : 192 [text]  
 (english translation of russian text 1963).

- 1975 *Leptanthura laevigata*, Kensley, Ann. S. Afr. Mus., 67 (4): 38 [list].
- 1978 *Leptanthura laevigata*, Kensley, Ann. S. Afr. Mus., 77 (1) : 19, 23 [text].
- 1978 *Leptanthura laevigata*, Kensley, Guide to the marine isopods of southern Africa. Trust. S. Afr. Mus. : 52, fig. 22 N [key].
- 1978 *Leptanthura laevigata*, Poore, Mem. Natn. Mus. Victoria, 39 : 138 [text].
- 1980 *Leptanthura laevigata*, Kensley, Smiths. Contr. Zool., 304 : 2 [list].
- 1980 *Leptanthura laevigata*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 22 : 418 [text].
- 1980 *Leptanthura faurei*, Poore, Zool. J. Linn. Soc., 68 : 62 [list].
- 1980 *Leptanthura laevigata*, Poore, Zool. J. Linn. Soc., 68 : 62 [list].
- 1981 *Leptanthura laevigata*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 23 : 120 fig. 8 [map].
- 1982 *Leptanthura laevigata*, Kensley, Ann. S. Afr. Mus., 90 (3) : 175 [key], 177-181, figs. 52-53.
- 1984 *Leptanthura laevigata*, Kensley & Buxton, S.-Afr. Tydskr. Dierk., 19 (3) : 189 tab. I.
- 1984 *Leptanthura faurei*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : 122 tab. I [in catalogue].
- 1987 *Leptanthura laevigata*, Kensley, Steenstrupia, 13 (3) : 127.
- Distribution : Atlantic Ocean, South Africa (Saldanha Bay to Cape Peninsula, Agulhas Bank, Durban) and Indian Ocean (Mozambique Channel, Madagascar, east of Mauritius, off Sumatra).
- Depth range : 5-1360 m.
- Habitat : rocks, shells, sand, coral rubble.

*Leptanthura micrura* Kensley, 1982

- 1982 *Leptanthura micrura* Kensley, Smiths. Contr. Zool., 346 : 2-3 [list], 39-42, figs. 29-30.
- 1984 *Leptanthura micrura*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : 123 tab. I [in catalogue].
- 1985 *Leptanthura micrura*, Negoescu, Isopodes, Anthurides, in : Campagnes BIOGAS : 460 [text].
- 1985 *Leptanthura micrura*, Wägele, N.Z. J. Zool., 12 : 370 [text].
- Distribution : Atlantic (Guiana Basin and Brazil).
- Depth range : 520 - 2494 m.

*Leptanthura minuta* Kensley, 1978

- 1978 *Leptanthura minuta* Kensley, Ann. S. Afr. Mus., 77 (1) : 2 [list], 16-20, figs. 9-10.
- 1981 *Leptanthura minuta*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 23 : 120 fig. 8 [map].

- 1982 *Leptanthura minuta*, Kensley, Ann. S. Afr. Mus., 90 (3) : 175 [key], 181, fig. 54.  
 1984 *Leptanthura minuta*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : 123 tab. I [in catalogue].  
 1985 *Leptanthura minuta*, Wägele, N.Z. J. Zool., 12 : 370 [text].  
 Distribution : South Africa (Natal).  
 Depth range : 550-850 m.

*Leptanthura muelleri* Negoescu, 1980

- 1980 *Leptanthura muelleri* Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 21 : 91-92, fig. 1 (map), figs. 6-8.  
 1981 *Leptanthura muelleri*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 23 : 120 fig. 8 [map], figs. 6-8.  
 1984 *Leptanthura muelleri*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : 123 tab. I [in catalogue].  
 1985 *Leptanthura muelleri*, Negoescu, Isopodes Anthurides, in : Campagnes BIOGAS : 460 [text].  
 Distribution : Mediterranean (Libya).  
 Depth range : 62-63 m.  
 Habitat : "heterogeneous bottoms".

*Leptanthura murrayi* Poore, 1981

- 1981 *Leptanthura murrayi* Poore, Mem. Natn. Mus. Victoria, 42 : 82-85, figs. 19-20.  
 1984 *Leptanthura murrayi*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : 123 tab. I [in catalogue].  
 Distribution : Southern Australia (Victoria).  
 Depth range : 12-24 m.  
 Habitat : sand and muddy sand.

*Leptanthura natalensis* Kensley, 1978

- 1978 *Leptanthura natalensis* Kensley, Ann. S. Afr. Mus., 77 (1) : 2 [list], 20-23, figs. 11-12.  
 1980 *Leptanthura natalensis*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 22 : 418 [text].  
 1981 *Leptanthura natalensis*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 23 : 120 fig. 8 [map].  
 1982 *Leptanthura natalensis*, Kensley, Ann. S. Afr. Mus., 90 (3) : 175 [key], 184, figs. 55-56.  
 1984 *Leptanthura natalensis*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : 123 tab. I [in catalogue].



1987 *Leptanthura natalensis*, Kensley, Steenstrupia, 13 (3) : 127 [text].

Distribution : South Africa (off Natal).

Depth range : 690-850 m.

*Leptanthura nunana* Poore, 1978

1978 *Leptanthura nunana* Poore, Mem. Natn. Mus. Victoria, 39 : 136 [key], 138-141, figs. 4-5.

1980 *Leptanthura nunana*, Poore, Zool. J. Linn. Soc., 68 : 62 [list].

1981 *Leptanthura nunana*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 23 : 120, fig. 8 [map].

1981 *Leptanthura nunana*, Poore, Mem. Natn. Mus. Victoria, 42 : 76, 85 [text].

1982 *Leptanthura nunana*, Kensley, Smiths. Contr. Zool., 346 : 42 [text].

1984 *Leptanthura nunana*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : 123 tab. I [in catalogue].

1985 *Leptanthura nunana*, Negoescu, Isopodes Anthurides, in : Campagnes BIOGAS : 460 [text].

1985 *Leptanthura nunana*, Wägele, N.Z. J. Zool., 12 : 370 [text].

Distribution : Australia (Victoria).

Depth range : 8-22 m.

Habitat : sand, mud.

*Leptanthura orientalis* Barnard, 1925

1925 *Leptanthura orientalis* Barnard, J. Linn. Soc. London (Zool.), 36 : 150.

1941 *Leptanthura orientalis*, Nierstrasz, Siboga Exped. Monogr. 32d : 242.

1956 *Leptanthura orientalis*, Wolff, Galathea Rep., 2 : 137 [text].

1980 *Leptanthura orientalis*, Poore, Zool. J. Linn. Soc., 68 : 62 [list].

1981 *Leptanthura orientalis*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 23 : 120 fig. 8 [map].

1984 *Leptanthura orientalis*, Negoescu & Wägele, Trav. Mus. Hist. Grigore Antipa, 25 : 123 tab. I [in catalogue].

1987 *Leptanthura orientalis*, Kensley, Steenstrupia, 13 (3) : 123-125, fig. 15.

Distribution : Singapore.

*Leptanthura profundicola* Wägele, 1985

1985 *Leptanthura profundicola* Wägele, N.Z. J. Zool., 12 : 369-370, figs. 40-44.

Distribution : New Zealand.

Depth range : 155 - 1120 m.

*Leptanthura sculpta* Pasternak, 1982

1982 *Leptanthura sculpta* Pasternak, Trans. P.P. Shirshov Inst. Oceanol., 117 : 171-173, fig. 5.

1984 *Leptanthura sculpta*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : tab. I [in catalogue].

1985 *Leptanthura sculpta*, Wägele, N.Z. J. Zool., 12 : 366 [text].

Distribution : Mediterranean (Tyrrhenian Sea).

Depth range : 1113 m.

Remarks : according to Wägele (1985) this species probably belongs to *Albanthura* Wägele 1985.

*Leptanthura tenuis* (Sars, 1873)

1873 *Paranthura tenuis* Sars, Forhandling. Vidensk. Selskab. Christiana, 1872 : 89.

1886 *Paranthura tenuis*, Norman & Stebbing, Trans. Zool. Soc. London, 12 (4) : 131, pl. 27 : fig. 1.

1899 *Leptanthura tenuis*, Sars, An account of the Crustacea of Norway. II. Isopoda : 48-49, pl. 20.

1925 *Leptanthura tenuis*, Barnard, J. Linn. Soc. London, 36 : 150.

1941 *Leptanthura tenuis*, Nierstrasz, Siboga Exped. Monogr. 32d : 242 [text].

1956 *Leptanthura tenuis*, Wolff, Galathea Rep., 2 : 138-139 [text].

1969 *Leptanthura tenuis*, Schultz, How to know the marine isopod crustaceans, Iowa : 96, fig. 129.

1973 *Leptanthura tenuis*, Birstein, in : Izdatel'jstvo Akad. Nauk SSSR, 1963 : 190-192 [text] (english translation of russian text 1963).

1975 *Leptanthura tenuis*, Kensley, Ann. S. Afr. Mus., 67 (4) : 66-67, 69 [text].

1978 *Leptanthura tenuis*, Poore, Mem. Natn. Mus. Victoria, 39 : 144 [text].

1980 *Leptanthura tenuis*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 21 : 92 [text].

1980 *Leptanthura tenuis*, Poore, Zool. J. Linn. Soc., 68 : 62 [list].

1981 *Leptanthura tenuis*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 23 : 117 [text], 120 fig. 8 [map].

1981 *Leptanthura tenuis*, Wägele, Isr. J. Zool., 30 : 224 [text], 226-228, figs. 12-14.

1982 *Leptanthura tenuis*, Kensley, Smiths, Contr. Zool., 346 : 32 [text].

1982 *Leptanthura tenuis*, Kussakin, in : Opredeliteli po faune SSSR, 131 : 41, figs. 23-24, key (in russian).

1984 *Leptanthura tenuis*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 26 : 55 tab I.

1984 *Leptanthura tenuis*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : 123 tab. I [in catalogue], 136 [text].

1987 *Leptanthura tenuis*, Kensley, Steenstrupia, 13 (3) : 123, 127 [text].

Distribution : Northern Atlantic (Norway, North Sea, Denmark, Gulf of Biscay, off Portugal, West of Gibraltar).

Depth range : 0-1500 m.

Habitat : rocks, corals, sand, mud, crevices, polychaet tubes, clay.

*Leptanthura thalassae* Negoescu, 1980

1980 *Leptanthura thalassae* Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 22 : 402 fig. 1 (map), 414-418, figs. 9-12.

1981 *Leptanthura thalassae*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 23 : 120 fig. 8 [map].

1984 *Leptanthura thalassae*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : tab. I [in catalogue].

Distribution : NW Indian Ocean (Gulf of Aden).

Depth range : 24-110 m.

Habitat : maerl, sand.

*Leptanthura thori* Barnard, 1925

1925 *Leptanthura thori* Barnard, J. Linn. Soc. London (Zool.), 36 : 151.

1941 *Leptanthura thori*, Nierstrasz, Siboga Exped. Monogr., 32 : 242 [text].

1969 *Leptanthura thori*, Schultz, How to know the marine isopod crustaceans, Iowa : 96 [text].

1980 *Leptanthura thori*, Poore, Zool. J. Linn. Soc., 68 : 62 [list].

1981 *Leptanthura thori*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 23 : 120 fig. 8 [map].

1982 *Leptanthura thori*, Kussakin, in : Opredeliteli pro faune SSSR, 131 : 41 [key], 43-44 (in russian).

1984 *Leptanthura thori*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : tab. I [in catalogue].

1987 *Leptanthura thori*, Kensley, Steenstrupia, 13 (3) : 125-127, fig. 16.

Distribution : Northern Atlantic (off Iceland).

Depth range : 957 m.

*Leptanthura truncata* Richardson, 1911

1911 *Leptanthura truncata* Richardson, Bull. Mus. Hist. Nat., 7 : 5.

1925 *Leptanthura truncata*, Barnard, J. Linn. Soc. London (Zool.), 36 : 151.

1941 *Leptanthura truncata*, Nierstrasz, Siboga Exped. Monogr., 32d : 242 [text].

1956 *Leptanthura truncata*, Wolff, Galathea Rep., 2 : 137-139 [text].

1973 *Leptanthura truncata*, Birstein, in : Izdatel'stvo Akad. Nauk SSSR, 1963 : 191 [text] (english translation of russian text 1963).

1980 *Leptanthura truncata*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 22 : 418 [text].

- 1980 *Leptanthura truncata*, Poore, Zool. J. Linn. Soc., 68 : 62 [list].
- 1981 *Leptanthura truncata*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 23 : 120 fig. 8 [map].
- 1984 *Leptanthura* cf. *truncata*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 26 : 56, tab. I.
- 1984 *Leptanthura truncata*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : tab. I [in catalogue].
- 1985 *Leptanthura truncata*, Negoescu, Isopodes Anthurides, in : Campagnes BIOGAS : 450-456, figs. 1-4, tab. 460 [text];
- Distribution : E-Atlantic (north of Banc d'Arguin, Mauritania).
- Depth range : 500-4659 m.
- Habitat : Muddy sand.

*Leptanthura truncatitelson* Wägele, 1985

- 1985 *Leptanthura truncatitelson* Wägele, N.Z. J. Zool., 12 : 368-369, figs. 31-35.
- 1991 *Leptanthura truncatitelson*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 31 : 374 [text].
- Distribution : New Zealand.
- Depth range : 506-560 m.

*Leptanthura urospinosa* Kensley, 1975

- 1975 *Leptanthura urospinosa* Kensley, Ann. S. Afr. Mus., 67 (4) : 39 [list]. 67-69, figs. 16 a-k.
- 1975 *Leptanthura urospinosa*, Kensley, Ann. S. Afr. Mus., 90 (3) : 185, fig. 57.
- 1978 *Leptanthura urospinosa*, Kensley, Guide to the marine isopods of southern Africa. Trust. S. Afr. Mus. : 52, fig. 22 K-L, [key].
- 1980 *Leptanthura urospinosa*, Poore, Zool. J. Linn. Soc., 68 : 62 [list].
- 1981 *Leptanthura urospinosa*, Negoescu, Trav. Mus. Hist. Nat. Grigore Antipa, 23 : 120 fig. 8 [map].
- 1982 *Leptanthura urospinosa*, Kensley, Ann. S. Afr. Mus., 90 (3) : 175 [key].
- 1984 *Leptanthura urospinosa*, Kensley & Buxton, S.-Afr. Tydskr. Dierk., 19 (3) : 189 tab. I, 191.
- 1984 *Leptanthura urospinosa*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : tab. I [in catalogue].
- 1985 *Leptanthura urospinosa*, Wägele, N.Z. J. Zool., 12 : 369 [text].
- Distribution : South Africa (False Bay to Still Bay).
- Depth range : 5-200 m.
- Habitat : rocks, gravel, shells, sand.

*Leptanthura victori* Negoescu, 1985

1984 *Leptanthura victori*, Negoescu & Wägele, Trav. Mus. Hist. Nat. Grigore Antipa, 25 : tab. I (in catalogue).

1985 *Leptanthura victori* Negoescu, Isopodes Anthurides, in. Campagnes BIOGAS : 456-460, figs. 5-8.

Distribution : Atlantic (Southeastern part of Gulf of Biscay).

Depth range : 1894-1950 m.

## REFERENCES

- KENSLEY, B. 1987. A re-evaluation of the systematics of K.H. Barnard's review of anthuridean isopods. *Steenstrupia*, 13 (3) : 101-139.
- NEGOESCU, I. 1984. The study on the Anthuridean Isopods (Crustacea, Isopoda, Anthuridea) from the cruises of the French Oceanographic vessels. - *Trav. Mus. Hist. Nat. Grigore Antipa*, 26 : 45-59.
- NEGOESCU, I. & J.W. WÄGELE, 1984. World list of Anthuridean Isopods (Crustacea, Isopoda, Anthuridea). - *Trav. Mus. Hist. Nat. Grigore Antipa*, 25 : 99-146.
- POORE, G.C.B., 1978. *Leptanthura*, and new related genera (Crustacea, Isopoda, Anthuridea) from eastern Australia. - *Mem. Natn. Mus. Vict.*, 39 : 135-169.
- WÄGELE, J.W. 1981. Study of the Paranthuridae (Crustacea : Isopoda : Anthuridea) from the Mediterranean. - *Isr. J. Zool.*, 30 : 211-229.
- WÄGELE, J.W. 1985. Two new genera and twelve new species of Anthuridea (Crustacea : Isopoda) from off the west Coast of New Zealand. - *N.Z. J. Zool.*, 12 : 363-423.
- WÄGELE, J.W. 1989. Evolution und phylogenetisches System der Isopoda. - *Zoologica*, 140 : 1-262.