

ATOLL RESEARCH BULLETIN

NO. 442

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**CRUSTACEA DECAPODA OF FRENCH POLYNESIA**

**(ASTACIDEA, PALINURIDEA, ANOMURA, BRACHYURA)**

BY

**JOSEPH POUPIN**

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ISSUED BY  
 NATIONAL MUSEUM OF NATURAL HISTORY  
 SMITHSONIAN INSTITUTION  
 WASHINGTON, D.C., U.S.A.  
 APRIL 1996

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CRUSTACEA DECAPODA OF FRENCH POLYNESIA

(ASTACUS, PALINURIDEA, ANOMURA, BRACHYURA)

BY

MARCOUS  
JOSEPH POLIN

SUMMARY

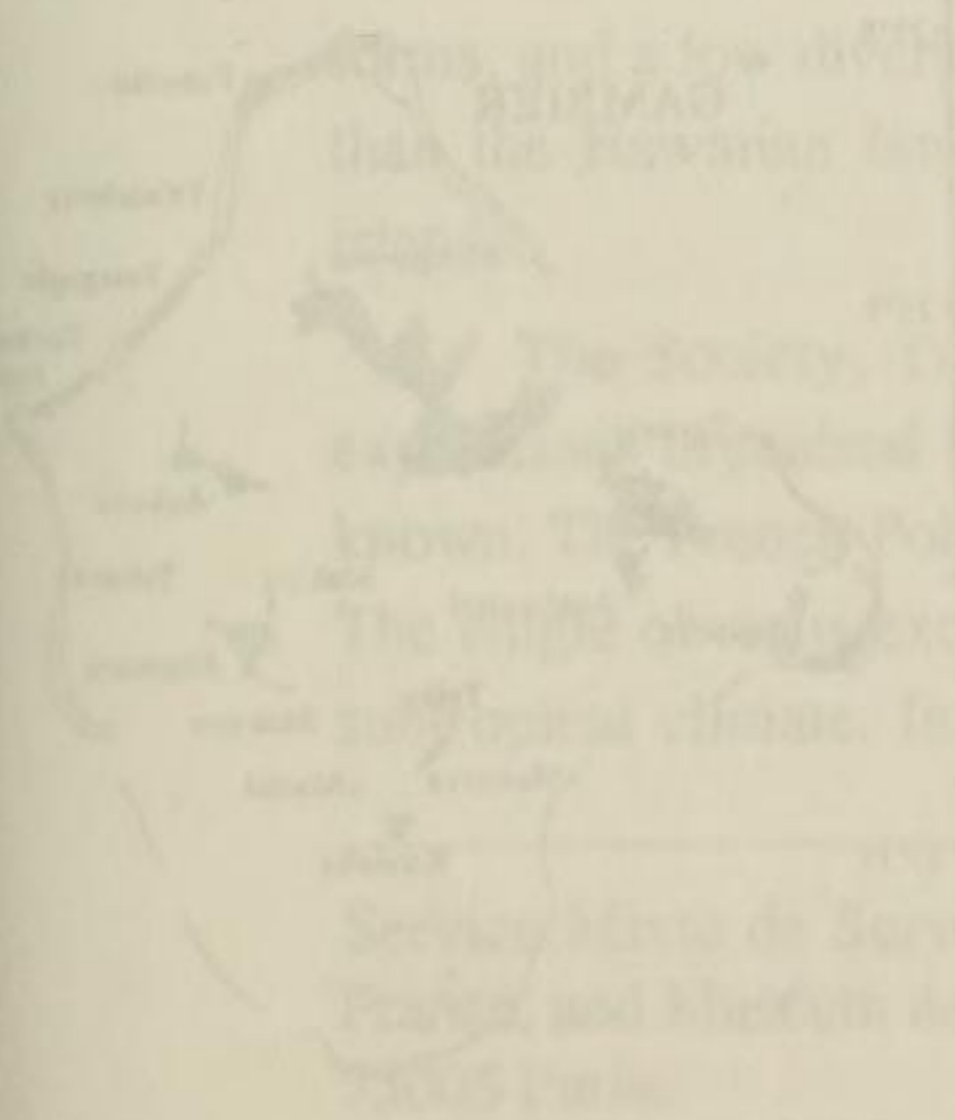
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MONIQUE DALLE

and

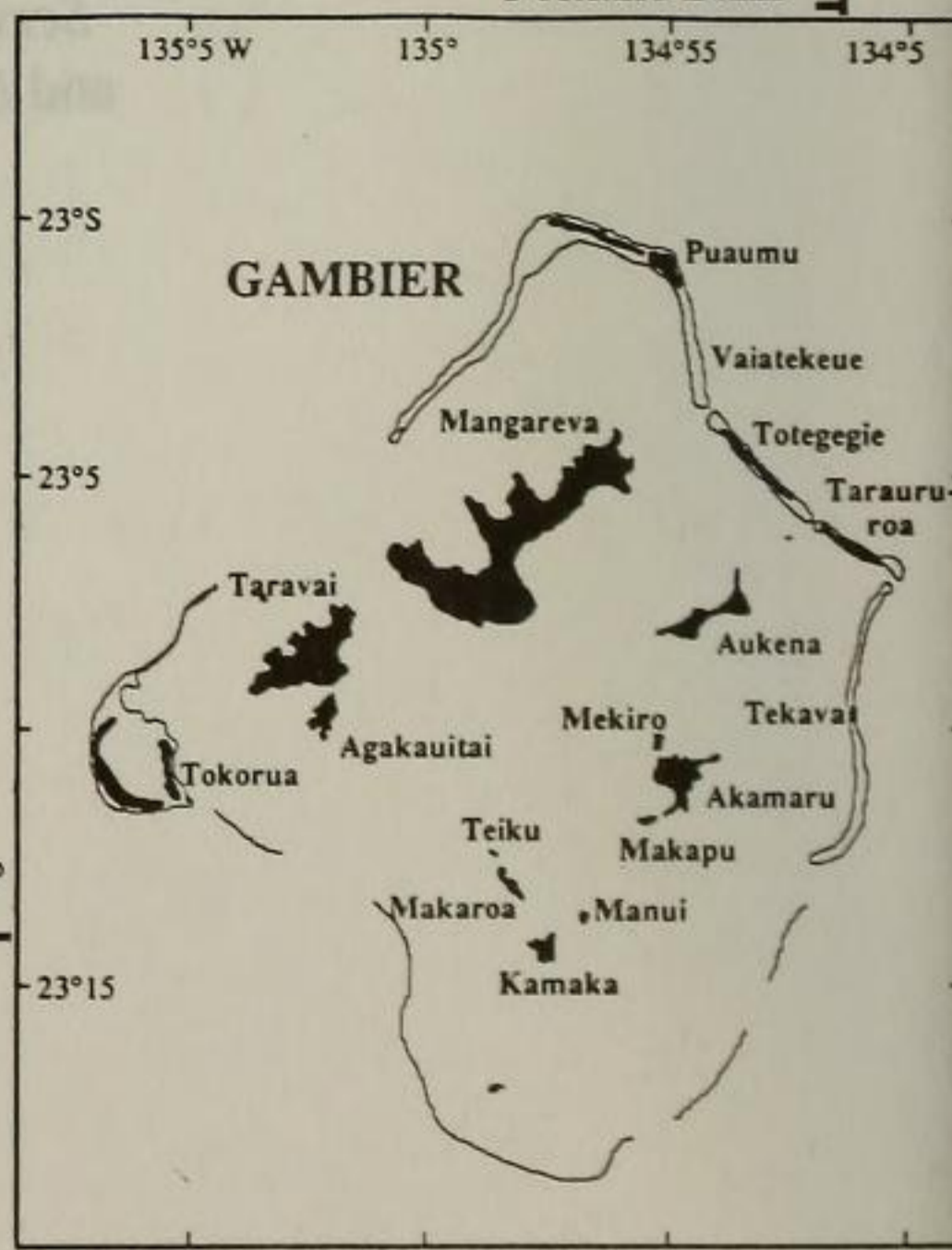
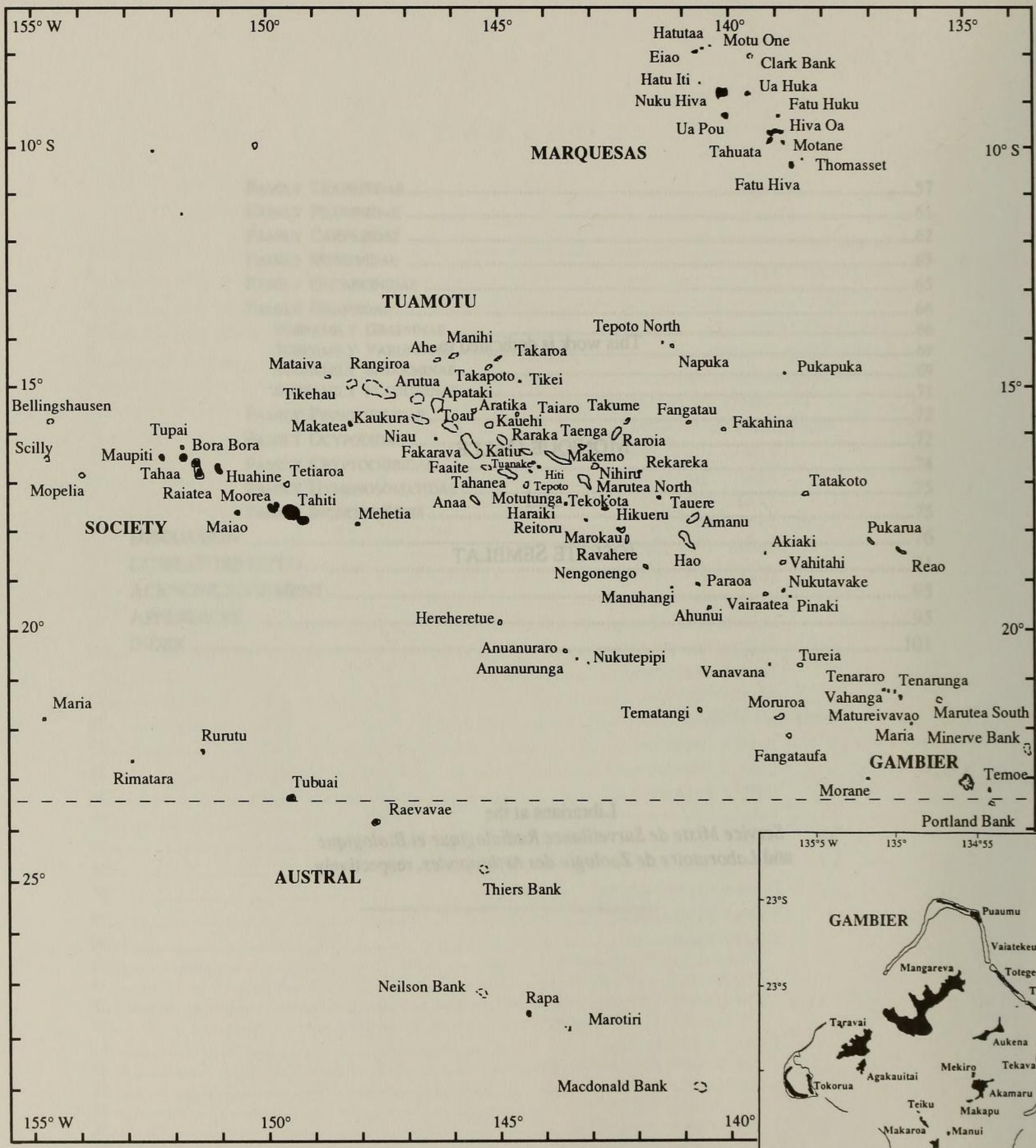
JOSETTE SEMBLAT

Librarians at the  
*Service Mixte de Surveillance Radiologique et Biologique*  
and *Laboratoire de Zoologie des Arthropodes*, respectively.



FRENCH POLYNESIA





FRENCH POLYNESIA



# CRUSTACEA DECAPODA OF FRENCH POLYNESIA

## (ASTACIDEA, PALINURIDEA, ANOMURA, BRACHYURA)

BY

JOSEPH POUPIN

### S U M M A R Y

From a bibliographic compilation and, to a lesser extent, from material collected in the field, 401 littoral and sublittoral decapods (Palinura, Anomura, Brachyura), are reported from French Polynesia. The Brachyura prevail, with 313 species, mainly Xanthidae (123 species), Portunidae (54 species), and Grapsidae (35 species). The Anomura are represented by 74 species, and the Palinura by only 14 species. The list of the deep species, *ie* living in depths of 100m or more, is updated. Ninety-two species are listed, making a total of 493 Polynesian species.

Amongst the material recently collected, 16 species are recorded for the first time in the area: *Calcinus guamensis*, *Calcinus imperialis*, *Dardanus australis*, *Dardanus brachyops*, *Albunea speciosa*, *Parthenope contrarius*, *Portunus macrophthalmus*, *Portunus orbitosinus*, *Thalamita danae*, *Thalamita macropus*, *Thalamita mitsiensis*, *Thalamita philippinensis*, *Quadrella maculosa*, *Planes cyaneus*, *Percnon guinotae*, and *Macrophthalmus serenei*. Moreover, after the examination of the type material, *Ruppelia granulosa* A. Milne Edwards, 1867, originally describe from the Marquesas, is here proposed as a junior synonym of *Lydia annulipes* (H. Milne Edwards, 1834).

Only 8 species, related to well defined species, are known solely from French Polynesia: *Parribacus holthuisi*, *Micropagurus polynesiensis*, *Nucia rosea*, *Nursia mimetica*, *Acanthophrys cristimanus*, *Lissocarcinus elegans*, *Ozius tricarinatus*, and *Macrophthalmus consobrinus*. For some of them, however, it is probable that their distributions extend at least to western Polynesia.

The French Polynesian fauna is typically Indo-West Pacific in its composition, with few endemic forms, and a low diversity compared to the Indo-Malaysian area. It includes, however, many more species than the Hawaiian fauna, possibly because the Polynesian islands are less isolated than the Hawaiian islands.

The Society, Tuamotu, and Gambier archipelagos have been well investigated, with numerous expeditions organised in these areas. In contrast, the Austral and Marquesas Islands, still remain poorly known. The French Polynesian fauna is more or less homogenous, with few regionally distinctive features. The single obvious exception is for the isolated southernmost islands, Rapa and Marotiri, subjected to a subtropical climate. In these islands, species that are very common elsewhere, are missing (*Coenobita*

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*perlatus*, *Birgus latro*, *Cardisoma carnifex*), and, on the contrary, at least one common species is still unknown in the northern part of French Polynesia (*Panulirus pascuensis*).

## I N T R O D U C T I O N

What are the decapod crustacea known from French Polynesia? The answer to this, apparently simple question, would be very helpful for determining the species collected during ecological studies. Moreover, from a biogeographical point of view, a check list of the species reaching this area, at the eastern limit of the Indo-West Pacific province, would be very interesting. The aim of this work therefore, is to answer this question by drawing up, mainly from a compilation of systematic and ecological studies, a list of the French Polynesian crustacea, the scope of the subject being restricted to littoral and sublittoral, Palinura (Astacidea and Palinuridae), Anomura, and Brachyura.

The check list given here has been mostly compiled from bibliographical records. In a first step, the most important works dealing with the French Polynesian crustacea have been consulted. They are the works by DANA (1852b, 1855), HELLER (1865), NOBILI (1907), RATHBUN (1907), BOONE (1934, 1935), HOLTHUIS (1953), FOREST & GUINOT (1961), and more recently, those by ODINETZ (1983), MONTEFORTE (1984), GUINOT (1985), MARQUET (1988), and PEYROT-CLAUSADE (1989). In a second step, the names of the species have been updated, for changes in the generic classification, or species reduced to synonymy, by looking through more general works, like the ones by HOLTHUIS (1991), SAKAI (1976), or SERÈNE (1984). This research has been completed by additional consultation of two bibliographical journals, the *Zoological Records* and the *Current Contents*, and by randomly looking through reprints available at the Muséum national d'Histoire naturelle, Paris. This last step was sometimes very fruitful, with additional species mentioned in the area, often very discreetly.

For the most important families, the main works consulted during this research are the following:

The Palinuridae have been found in the recent catalogue of the *Marine lobsters of the world* by HOLTHUIS (1991), and in his revision of the Scyllaridae (HOLTHUIS, 1985).

The pagurids (Coenobitidae, Diogenidae, Paguridae) have been first searched through the work by NOBILI (1907) and the studies by FOREST, published between 1951 and 1956. Additional information has been found in the work of LEWINSOHN (1969), the report of RAHAYU (1988), and revisions of the genera, *Aniculus* (FOREST, 1984), *Calcinus* (MORGAN, 1991), *Catapaguroides* (DE SAINT LAURENT, 1968, 1970), *Clibanarius* (RAHAYU & FOREST, 1992), *Pagurixus* (MCLAUGHLIN & HAIG, 1984), and *Trizopagurus* (FOREST, 1995).

Except for NOBILI's (1907) work and, for a single species, BOONE's (1935) work, the few Galatheidae known from French Polynesia come from the ecological works by PEYROT-CLAUSADE (1977a, b, 1989), KROPP & BIRKELAND (1981), and ODINETZ (1983).

Almost all the Porcellanidae have been found in the works published by HAIG, between 1964 and 1992, HAIG & KROPP (1987), and KROPP (1983, 1986).

For the Brachyura, the beginning of the research has been greatly facilitated by the important studies of FOREST & GUINOT (1961), MONTEFORTE (1984), and GUINOT (1985). More information has been found in: MCLAY (1991, 1993), for the Dromiidae; GALIL & CLARK (1994), for the Calappidae of the



genus *Matuta*; GRIFFIN & TRANTER (1986), for the Majidae; STEPHENSON (1972, 1976), STEPHENSON & REES (1961, 1967), and MOOSA (1979), for the Portunidae; ODINETZ (1983, 1984a), and the works by GALIL, and co-authors, published between 1985 and 1990, for the Trapeziidae; SERÈNE (1984), for the Xanthidae, and CLARK & GALIL (1993) for the *Pilodius* xanthids; CROSNIER (1984), for the Carpiliidae and Menippidae; TÜRKAY (1973, 1974), for the Gecarcinidae; and SAKAI & TÜRKAY (1976), CRANE (1975), and BARNES (1977), for the Ocypodidae of the genera, *Ocypode*, *Uca*, and *Macrophthalmus*, respectively.

This bibliographical compilation has been completed, in a much more limited way, by the study of some specimens collected on the field, during the last few years. From the addition of this material, 16 species are recorded for the first time in French Polynesia.

The deep-water crustacea, *ie* collected from 100m and beyond, have already been listed in POUPIN (1996), with full references on origins of the collections, and depth ranges. A simple list is produced here, updated by inclusion of species described after the first compilation, or recently collected (*cf.* Appendices).

## HISTORICAL

### OLD VOYAGES: 1820-1900

At that time, the crustacea were collected during the exploring expeditions made around the world by large sailing vessels. DUPERREY, on board the *Coquille* (1822-1825), is one of the first to bring back some species from Tahiti and Bora Bora. They were studied by GUÉRIN-MÉNEVILLE (1829, 1838) who dedicated to DUPERREY a small ocypodid crab from Bora Bora, *Gelasimus Duperreyi* (now *Uca tetragonon*).

About 10 years later (1837-1840), DUMONT D'URVILLE, chief officier of DUPERREY on the *Coquille*, sailed again in French Polynesia, commanding the *Astrolabe* and the *Zélée*. His vessels visited the Gambier, Marquesas (Nuku Hiva), and Society Islands. JACQUINOT (1852), naturalist, commanding the *Zélée*, mentioned a dozen of species from the area, and described some from the Gambier Islands, including the small *Ocypode pallidula*, common on the white sandy beaches of Aukena island.

At the same time, the Americans, worried about participating, like the Europeans, in the discovery of remote marine areas, launched their first round the world campaign, the great *U.S. Exploring Expedition* (1838-1842). The squadron of 6 vessels, commanded by WILKES, left Norfolk in August, 1838. At least four vessels cruised in French Polynesia: the *Flying Fish*, *Peacock*, *Porpoise*, and the *Vincennes*. A great part of the collections from the Tuamotu Islands was lost during the wreck of the *Peacock*, on the banks of the Columbia river, however, the Polynesian material, about 10 Anomura and 50 Brachyura, studied by DANA (1851, 1852a-b, 1855), represents the most important collection from that area. DANA describes several new species, from Tahiti (*Phymodius monticulosus*, *Trapezia areolata*), and the Tuamotu Islands (*Globopilumnus globosus*, *Liomera tristis*, *Plagusia speciosa*, *Thalamita integra*, *Trapezia bella*).

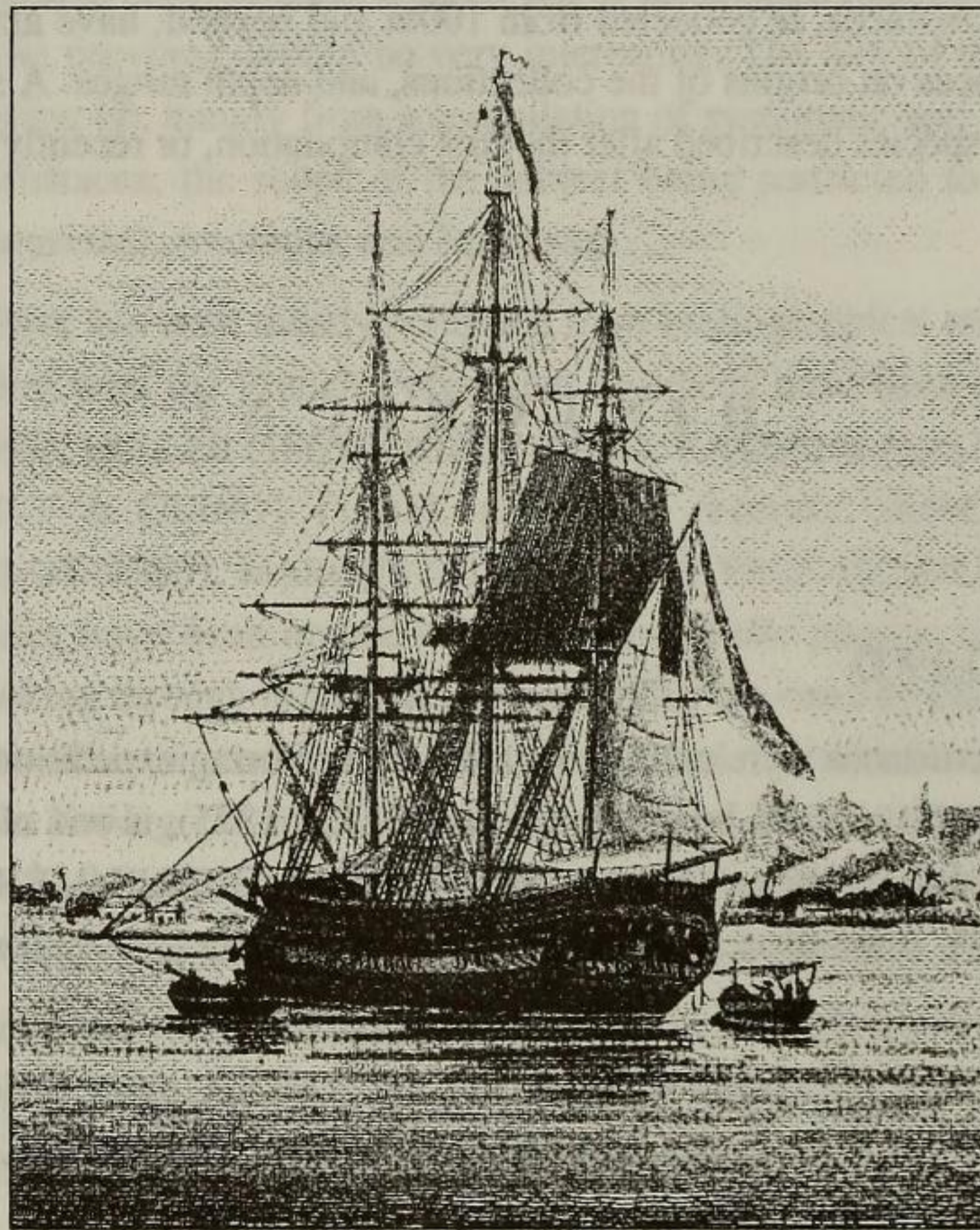
Between 1857 and 1859, the Austrian frigate, *Novara*, put in at Tahiti, during her sea voyage around the world. HELLER (1862, 1865) studied the Crustacea of this campaign. He recorded 54 species from



Tahiti, and described several, for example the colourful *Calcinus nitidus*, and the small gecarcinid, *Epigrapsus politus*.

Limited collections were also made at Tahiti by the famous British H.M.S. *Challenger* (1873-1876). They are discreetly mentioned in the works of HENDERSON (1888), for the Anomura, MIERS (1886), for the Brachyura, and BANERJEE (1960), for the grapsid crabs.

This era ends with the voyages of the American ship *Albatross* (1899-1900, and 1900-1905), and new collections in the Society, Tuamotu, Gambier, and Marquesas Islands. RATHBUN (1907) studied the Brachyura collected by this vessel. She recorded 85 Polynesian species and described, for example, *Pachygrapsus fakaravensis*, a grapsid very common in the Tuamotu Islands, named after the large atoll of Fakarava.



French frigate *La Coquille* at anchor in Matavai bay, Tahiti (1823)

(Drawing by Jules-Louis LEJEUNE. Courtesy of HORIZON Magazine)

#### BEGINNING OF THE 20TH CENTURY: 1900-1967

The voyages around the world have ended and the collections are now made by people living in French Polynesia. The most striking in that respect is certainly SEURAT, the head of a small Zoological laboratory once established at Rikitea, Gambier Islands. Between 1902 and 1905 he gathered an important collection from the Gambier Islands, and also from the Tuamotu Islands, at Hao and Marutea South. This material was studied by NOBILI (1906, 1907) with more than 130 Polynesian species, belonging to the groups here concerned, and with the description of a score of new species, for example *Thalamita gatavakensis*, or *Thalamita seurati*. FOREST (1951), for *Calcinus seurati* and *Calcinus spicatus* spp. nov., STEPHENSON & REES (1961), for *Portunus guinotae* sp. nov., and FOREST & GUINOT (1961), in their study on the Polynesian Brachyura, have mentioned again the material collected by SEURAT.



Gilbert RANSON, of the Malacology department, Muséum national d'Histoire naturelle, Paris, also collected many specimens. In 1952, during a stay of several months, especially on the atoll of Hikueru, he gathered numerous scyllarids, pagurids, and crabs. The first two groups have been studied by FOREST (1953, 1954), with description of 5 new species, including *Parribacus holthuisi* and *Clibanarius ransoni*. The third is studied by FOREST & GUINOT (1961), who, in grouping RANSON and SEURAT material, and some smaller collections, such as the one made by CHABOUIIS, a teacher at the *Paul Gauguin* school, Papeete, have registered about 100 crabs, 21 as new records, with some new species, such as *Pilumnus ransoni*. The same year, MORRISSON, as a part of the *Pacific Sciences Board's Coral Atoll Program*, sampled the most common Crustacea of Raroia atoll, and, to a less extent, of Pukapuka, Takume, and Tahiti. From that material HOLTHUIS (1953) produced a list of 70 species, and mentioned for the first time *Hippa ovalis*, from Tahiti.

During these years, a few expeditions, even if they no longer have the nature of great campaigns around the world, still visited the Polynesian Islands. For example, SENDLER (1923) recorded about 30 species from Makatea, Rimatara, and Tahiti, from the collections made during the *Hanseatischen Südsee-Expedition*. Some of them, like *Coenobita cavipes* or the gecarcinid *Discoplax longipes*, have never been collected since. In 1931, the yacht *Alva* explored the Marquesas (Nuku Hiva) and the Society Islands (Bora Bora, Raiatea, Tahiti). BOONE (1934, 1935) mentioned about 40 species collected during this cruise, and described two crabs, *Actaeomorpha alvae* and *Lissocarcinus elegans*.

Two important expeditions, at an interval of 10 years, mark the end of this period. In 1957, the Americans organised the *Smithsonian Bredin Expedition*, which visited the Society and the Tuamotu Islands. The portunids were studied by STEPHENSON & REES (1967) and STEPHENSON (1976), with about 30 species, including some new records like *Portunus iranjae*, *Thalamita corrugata*, or *Thalamita quadrilobata*. GALIL (1985) and, more recently, FOREST (1995), in their works on the genera *Tetraloides* and *Trizopagurus*, respectively, also studied the material of this expedition. In 1967, the boat *Pele*, during the *Marquesas Expedition*, visited the Marquesas, Tuamotu, Society, Gambier Islands, and, in the neighbourhood, the small island of Pitcairn (HARALD, 1967). The crustacea of this campaign, deposited in Washington and Perth Museums, have been studied by STEPHENSON (1976), with some fifteen portunids, and appear, more discreetly, in the studies by SERÈNE (1972), for *Palapedia marquesas* sp. nov., GALIL & LEWINSOHN (1985), for *Trapezia tigrina*, or HOLTHUIS (1985), for *Parribacus holthuisi*.

#### MODERN PERIOD.

In 1966, with the installation of the *Centre d'Expérimentation du Pacifique*, several scientific investigations were made, mainly on the atoll of Moruroa. Crustacea collected during these investigations are mentioned in some systematic works, such as DE SAINT LAURENT (1967), for *Catapaguroides fragilis*, or GUINOT (1979) for *Lophozozymus superbus*, and in ecological studies, for example in CHEVALIER *et al.* (1968), SALVAT & RENAUD-MORAND (1969), and LABOUE & RICHER DE FORGES (1986). These latter, during the expedition of the old minesweeper *Paimpolaise*, in the south of French Polynesia (MacDonald bank), have made the first Polynesian record of *Panulirus pascuensis*, originally described from Easter island. From these different campaigns, unstudied collections are still deposited at the *Muséum national d'Histoire naturelle*, Paris, for example the crustacea collected by PLESSIS, from which we give here the first record of *Thalamita danae*. Others collections were made during the campaigns of the fishing boat *Marara*, used by the *Direction des Centres d'Expérimentations Nucléaires* for monitoring the marine environment, as a part of the radiological safety program in French Polynesia. Although they mainly



concerned the deep fauna (POUPIN, 1996), some of the most common littoral and sublittoral species were also collected, and were presented by POUPIN (1994a), in a small illustrated document.

In 1971, the French *École Pratique des Hautes Études*, established its research center in French Polynesia. First located at Tahiti, it was afterwards transferred to Opunohu Bay, Moorea Island, and is now denominated *Centre de Recherche Insulaire et Observatoire de l'Environnement* (CRIOBE). Several important works have been done by the students or researchers of this center. They are mostly ecological studies with, however, about 30 new records for the area. The cryptofauna was studied by PEYROT-CLAUSADE, at Moorea (1977, 1985), and Tikehau (1989). The study of this small fauna was completed by NAIM (1980) with a dozen of species associated with the algae, at Tiahura, Moorea. The crustacean associates of the coral *Pocillopora*, were studied by KROPP & BIRKELAND (1981), and by ODINETZ (1983, 1984a, b) who described two new *Trapezia* species, *Trapezia serenei* and *T. punctimanus*. MONTEFORTE (1984) in his *Contribution à la connaissance de la faune carcinologique de Polynésie française*, collected and studied more than 110 species, some of them, like *Calcinus minutus*, *Calappa calappa*, or *Etisus anaglyptus*, being new records. More recently, a dozen common species were recorded from the atoll of Nukutipipi by MERSCHARDT-SALVAT (1991), and the freshwater collections made by MARQUET (1988, 1991, 1993), have given two new grapsid records, *Varuna litterata*, from the Society Islands, and *Ptychognathus easteranus*, from the Austral and Marquesas Islands.

## C O N V E N T I O N S

### STUDIES INCLUDED

We have included only studies in which material from French Polynesia has been actually examined, excluding works where "French Polynesia" appears only in the "Distribution". These are followed by the indication, in parenthesis, of the island(s) where the material originated. Recent revisions and general syntheses, from which the names of the species are updated (changes in generic classification; synonymies), or useful in different aspects, have been added; these are followed by mention such as "Syn." or "Key", in parenthesis. Some works have been included, that do not mention new collections. These are: the important syntheses about French Polynesia, like FOREST & GUINOT (1962), followed by "Biogeography", or GUINOT (1985), followed by "List"; the ecological studies focusing on a particular island, such as DELESALLE (1985), for the atoll of Mataiva, or SALVAT & RICHARD (1985), for the atoll of Takapoto; general works dedicated to the fauna of French Polynesia, such as SEURAT (1934), CHABOUIS L. & F. (1954), or more recently the *Encyclopédie de la Polynésie* (cf. CHARLEUX, 1986 and SALVAT, 1986a-c) and the books by PARDON (1992) and BONVALLOT *et al.* (1994). For these latter, however, only the species illustrated, usually in colour, have been cited.

No distinction has been made between systematic and ecological works. In her list of the Brachyura of French Polynesia, GUINOT (1985) has sometimes considered the record of a species doubtful (name followed by a ?), when it was known only from an ecological paper. As these works can easily be identified from the references, the reader will be able to judge for himself. It is clear, however, that the revision of these collections would be important, but it is often difficult, or even impossible, to retrieve the material.



## LOCATIONS

The unit of location is the island (see map). When the name of a village, a particular locality, or a small islet on the recifal crown (*Motu* in Polynesian language), was indicated, the name of the corresponding island is mentioned with the following presentation: "Gatavake" = Mangareva, "Ohura" = Hao, or "Taiohae" = Nuku Hiva. The same presentation is adopted for corrections of obvious mistakes: "Tickahau" = Tikehau, "Timoe" = Temoe, or "Fakaina" = Fakahina. The Gambier Islands have a particular configuration, with 8 mountainous islands surrounded by a common recifal crown. In that particular case, we have considered as real islands three *Motu* of the external crown: Puaumu, Tarauru-Roa, and Vaiatekeue.

Sometimes, in the oldest works, the names of the islands were old names, no longer now in use. They are translated into modern names by using MOTTLE's (1986) work, and the following presentation: "Carlshoff" = Aratika, "Clermont-Tonnerre" = Reao, or "Eimeo" = Moorea.

When no particular location was specified, the reference is just followed by "French Polynesia".

## CLASSIFICATION

The classification approximately follows BOWMAN & ABELE (1982), and, for the Xanthoidea, SERÈNE (1984). Subfamily ranks has been indicated only within the most important families: Portunidae, Xanthidae, and Grapsidae. The presentation has been clarified by ignoring subgeneric names in the check list. However, if they were used in the works cited, they appear in the references.

## LITTORAL, SUBLITTORAL AND DEEP SPECIES

These three groups are here defined in the following way: littoral species are commonly collected on the reef, and in depth of few meters only; sublittoral species are collected from about 10m to 100m; and deep species are collected from 100m and deeper. It is sometimes difficult to classify the species according to these three groups, especially because our knowledge about the deep distribution of numerous species is often very limited, and will have to be revised in the future. As an example, the maximal depth known for some species has been increased, here, sometimes considerably, from collections made by traps. Some littoral forms have been found unusually deep (*Carpilius convexus*, 60m; *Charybdis paucidentata*, 100m). They are qualified as "Littoral to sublittoral" species. Sublittoral forms have been sometimes collected far beyond 100m (*Dardanus brachyops*, 110-300m; *Dromia wilsoni*, 190-350m; *Thalamita spinifera*, 42-200m), and, in contrast, deep forms have been found in less than 100m (*Palibythus magnificus*, 70-240m; *Scyllarus aurora*, 90-300m; *Alainodaeus rimatara*, 90-350m). They are qualified as "Sublittoral to deep" species. Because of these difficulties, 12 species included in this work were also listed with the deep species (POUPIN, 1996; see Appendices 1, species with a \*).

It is important to realise that, in several cases, these classifications are questionable, and often only reflect the poor information that we have on that subject. For example, a species like *Oreotlos potanus*, known by a single specimen, has been included with the deep species, to within 1m (101m). Considering the limited accuracy of the measures at sea, *O. potanus* could have been reasonably considered as a sublittoral species.



## OTHERS CONVENTIONS

When a "?" appears in front of the name of a species, it always means that the doubt on that name is ours. When it is an hesitation expressed in the work consulted, it is mentioned after the reference by "with a?".

When a species has been reduced to synonymy, two cases are considered. If the species was not originally described from French Polynesia, the full name (author and date) appears at the end of the references, after "SYNONYMS". Otherwise, this information appears clearly with the reference, and is not repeated again. In both cases the origin of the synonymy is to be found in the work followed by "Syn.". The synonymies are restricted to French Polynesian species only.

As far as possible we have tried to avoid partial identifications. When a generic name is only available, the reference is not considered in the main list, but appears separately, in Appendices 2. Preliminary identifications (*aff.* or *cf.*) have been retained only when the species referred to is not yet recorded from French Polynesia (for example, *Actaea aff. glandifera* in PEYROT-CLAUSADE, 1989: 111). Otherwise, they appear under the species referred to, after "RELEVANT MATERIAL" (see for example, *Lybia cf. caestifera* in MONTEFORTE, 1984: 171, under *Lybia caestifera*).

The following abbreviations are used: BM (Natural History Museum, London); CRIOBE (Centre de Recherche Insulaire et Observatoire de l'Environnement, Moorea); MNHN (Muséum national d'Histoire naturelle, Paris); USNM (National Museum of Natural History, Washington).

## LIST OF THE SPECIES

## INFRA-ORDER ASTACIDEA

## FAMILY ENOPLOMETOPIDAE

*Enoplometopus holthuisi* Gordon, 1968

DISTRIBUTION. — Tuamotu - *Sublittoral*.

REFERENCES. — *Enoplometopus holthuisi* - BONVALLOT *et al.*, 1994: 144-145, photograph (Tuamotu).

REMARK. — At least another *Enoplometopus* is present in French Polynesia (cf. *Enoplometopus* sp. nov. in POUPIN *et al.*, 1990: 16, pl. 3c).



## INFRA-ORDER PALINURIDEA

## FAMILY PALINURIDAE

*Justitia longimanus* (H. Milne Edwards, 1837)

DISTRIBUTION. — Austral (Rurutu); Society (Bora Bora, Raiatea, Tahiti); Tuamotu (Makemo, Maria, Tenarunga) - *Sublittoral to deep*.

REFERENCES. — *Justitia longimana* - POUPIN *et al.*, 1990: 16 (French Polynesia). — *Justitia longimanus* - POUPIN, 1994b: 46, fig. 3e', pl. 1d, 2d (Bora Bora, Tahiti, Tenarunga, Rurutu; 62-160m); 1996: in press (Bora Bora, Makemo, Maria, Raiatea, Rurutu, Tenarunga; 80-190m).

*Panulirus homarus* (Linné, 1758)

DISTRIBUTION. — Marquesas (Fatu Hiva, Nuku Hiva); Society (Tahiti).

REFERENCES. — *Panulirus homarus* - GORDON, 1953: 29, fig. 2b-d, 6, 7b (Marquesas "Hana Hevané" = Hanavave bay?, Fatu Hiva; Puerulus larvae only). — MICHEL, 1971: 467 (Marquesas; Phyllosom larvae only). — HOLTHUIS, 1991: 139, fig. 267-268 (Marquesas, with a ?; Syn.). — ? *Panulirus* (sic) *spinosus* (Edwards) - CANO, 1888: 179 (Tahiti) - NEW MATERIAL - February 1996, Coll. & det. J. POUPIN (Nuku Hiva) - SYNONYMS - *Palinurus spinosus* H. Milne Edwards, 1837 (with a ?, in HOLTHUIS, 1991: 139).

*Panulirus longipes* (A. Milne Edwards, 1868)

DISTRIBUTION. — Marquesas; Society (Tahiti); Tuamotu.

REFERENCES. — *Senex femoristriga* - ORTMANN, 1891: 23 (Tahiti). — *Panulirus longipes* - MICHEL, 1971: 467 (Marquesas, Tuamotu; Phyllosom larvae only). — *Panulirus longipes femoristriga* - HOLTHUIS, 1991: 146, fig. 277b, 278 (Syn.).

REMARK. — In the Indo-West Pacific HOLTHUIS (1991) recognises two subspecies: *Panulirus longipes*, the western form, distributed from Africa to Thailand, Taiwan, Indonesia, and Philippines; and *P. longipes femoristriga*, the eastern form, known from Japan, the Moluccas, New Guinea, New Caledonia, eastern Australia, and French Polynesia.

*Panulirus pascuensis* Reed, 1954

DISTRIBUTION. — Austral (MacDonald bank, Marotiri, Rapa) - *Littoral to sublittoral*.

REFERENCES. — *Panulirus pascuensis* - LABOUE & RICHER DE FORGES, 1986: 7, 21, pl. 2c (MacDonald bank, Marotiri, Rapa; 40m). — SALVAT, 1986b: 70, photograph (MacDonald bank). — HOLTHUIS, 1991: 149, fig. 283-284 (Pitcairn, 500km south-east off the Gambier). — POUPIN, 1994a: 8 (after LABOUE & RICHER DE FORGES).

REMARK. — LABOUE & RICHER DE FORGES (1986: 18) also record *Panulirus polyphagus* (Herbst, 1793) in French Polynesia ("Iles hautes et atolls"). This species, which is only listed without material examined, is not reported from the area by HOLTHUIS (1991: 152). We therefore consider that this record is not valid.

*Panulirus penicillatus* (Olivier, 1791)

DISTRIBUTION. — Gambier; Marquesas; Society (Tahiti); Tuamotu (Makatea, Mataiva, Moruroa, Fakarava, Hao, Raroia, Taiaro, Takapoto).

REFERENCES. — *Panulirus penicillatus* - STIMPSON, 1860: 23 [92] (Tahiti). — BATE, 1888: 82, pl. 12-fig. 2 (Tahiti). — NOBILI, 1907: 366 (Hao). — BOONE, 1935: 67, pl. 17 (Tahiti). — SEURAT, 1934: 60 (Gambier, Tuamotu). — HOLTHUIS, 1953: 50 (Raroia). — CHABOUISS L. & F., 1954: 89 (Tahiti). — MORRISON, 1954: 16 (Raroia). — MICHEL, 1971: 467 (Marquesas, Tuamotu; Phyllosom larvae). — CHEVALIER *et al.*, 1968: 92, 137 (Moruroa). — MONTEFORTE, 1984: 173, annex 1, tab. a (Makatea, Mataiva, Tahiti, Takapoto). — DELESALLE, 1985: 289, 293 (Mataiva). — SALVAT, 1986b: 70, photograph (French Polynesia). — BAGNIS & CHRISTIAN, 1983: 108 (Tuamotu). — HOLTHUIS, 1991: 151, fig. 285-286



(Tuamotu; Syn.). — PARDON, 1992: 83, photograph (Fakarava). — POUPIN, 1994a: 8, fig. 4 (Taiaro). — *Cancer theresae* Curtiss, 1938 ("Tautira" = Tahiti).

***Panulirus versicolor* (Latreille, 1804)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — ? *Panulirus fasciatus* - CANO, 1888: 179 (Tahiti; cf. Remark). — *Panulirus ornatus* - BOONE, 1935: 63, pl. 16 (Tahiti). — POUPIN, 1994a: 8 (French Polynesia; after BOONE, and erroneously after NOBILI, 1907 and GRUVEL, 1911) - Not *Palinurus ornatus* (Fabricius, 1798) (cf. Remark). — *Panulirus versicolor* - HOLTHUIS, 1946: 142, pl. 6-j, pl. 9-b, pl. 11-e,f,m (Tahiti); 1991: 156, fig. 293-294 (French Polynesia).

REMARK. — In HOLTHUIS (1991: 152) *Panulirus fasciatus* Fabricius, 1798 is a synonym of *P. polyphagus* (Herbst, 1793). However, CANO's (1888) reference to *P. fasciatus* would rather be *P. versicolor*, often recorded under *P. fasciatus* (HOLTHUIS, 1991: 152). Moreover, we observe that, in his catalogue, HOLTHUIS (1991) does not mention *P. polyphagus* from French Polynesia.

According HOLTHUIS (1946: 140, 142), BOONE's (1935) Tahitian record of *Panulirus ornatus* (Fabricius, 1798) would be erroneous, but it is not certain that his material really belongs to *P. versicolor*.

FAMILY SYNAXIDAE

***Palibythus magnificus* Davie, 1990**

DISTRIBUTION. — Society (Tahiti) - *Sublittoral to deep*.

REFERENCES. — *Palinurellus wienechi* (sic) - ANONYMOUS, 1979: 6, 8, 11, not *Palinurellus wieneckii* (de Man, 1881) = *Palibythus magnificus* (Tahiti, 70-240m; material corresponding to the photographs examined and considered by DAVIE (1990: 686) as "almost definitely of this species"). — *Palibythus magnificus* Davie, 1990: 686, fig. 1a-b, 3a, c, 4a, 5a (Tahiti; but not Tuamotu). — POUPIN, 1996: in press (Tahiti, Tuamotu?).

REMARK. — The beautiful set of 10 specimens, collected in 1978 in front of Taravao, Tahiti, has disappeared. It remains only the photographs examined by DAVIE (1990).

***Palinurellus wieneckii* (De Man, 1881)**

DISTRIBUTION. — Tuamotu - *Sublittoral*.

REFERENCES. — *Palinurellus wieneckii* - MICHEL, 1971: 460, fig. 1a-j, tab. 1 (Tuamotu; Puerulus larvae only). — HOLTHUIS, 1991: 170, fig. 315-316 (Tuamotu: larvae and juveniles; 9-27m).

REMARK. — The larvae, once attributed to this species, could in fact belong to *Palibythus magnificus*, afterwards collected in the area (cf. previous species).

FAMILY SCYLLARIDAE

***Arctides regalis* Holthuis, 1963**

DISTRIBUTION. — Tuamotu.

REFERENCES. — *Arctides antipodarum* - MICHEL, 1971: 467 (Tuamotu; Phyllosom larvae) not *A. antipodarum* Holthuis, 1960 = *A. regalis*, with a doubt, *fide* HOLTHUIS (1991: 177). — *Arctides regalis*. — HOLTHUIS, 1991: 177, fig. 331-332 (Tuamotu; Syn.).

***Parribacus antarcticus* (Lund, 1793)**

DISTRIBUTION. — Society (Maupiti, Tahiti); Tuamotu (Anaa, Manihi?, Moruroa, Raroia, Takapoto, Tureia).

REFERENCES. — *Scyllarus antarcticus* - OWEN, 1839: 86 ("Carysfort" = Tureia). — *Parribacus antarcticus* - SEURAT, 1934: 60 (Tuamotu). — HOLTHUIS, 1953: 50 (Raroia) *pro parte fide* HOLTHUIS (1985: 74); 1985: 73, fig. 21, 25a (Anaa,



Maupiti, Tahiti, Takapoto; Syn.). — CHABOUIS L. & F., 1954: 89, unnumbered fig. (French Polynesia). — FOREST, 1954b: 345, fig. 26a (Tahiti). — CHEVALIER *et al.*, 1968: 92, 137 (Moruroa). — ? BABLET, 1972: 32, pl. 10 (French Polynesia). — *Parribacus ursus-major* - BOONE, 1935: 54, pl. 13 (Tahiti). — *Cancer barffi* Curtiss, 1938: 164 ("Tautira" = Tahiti). — ? "Tiane" - PARDON, 1992: 83, photograph (Manihi) (det. according to the photograph). — Not *Parribacus antarcticus* - STIMPSON, 1860: 92 [23] (Tahiti). — NOBILI, 1907: 366 (Hao, "Rikitea" = Mangareva). — HOLTHUIS, 1953: 50 (Raroia), *pro parte*. — MORRISON, 1954: 50 (Raroia) - All = *Parribacus holthuisi* Forest, 1954 *fide* HOLTHUIS (1985: 75) - SYNONYMS - *Parribacus ursus-major* (Herbst, 1793).

#### ***Parribacus holthuisi* Forest, 1954**

DISTRIBUTION. — Gambier (Mangareva); Society (Moorea, Tahiti); Tuamotu (Hao, Hikueru, Mataiva, Raroia, Takapoto).

REFERENCES. — *Parribacus antarcticus* - STIMPSON, 1860: 92 [23] (Tahiti). — NOBILI, 1907: 366 (Hao, "Rikitea" = Mangareva). — HOLTHUIS, 1953: 50 (Raroia) *pro parte*. — MORRISON, 1954: 50 (Raroia) - All, not *P. antarcticus* (Lund, 1793) = *P. holthuisi* *fide* HOLTHUIS (1985: 98). — *Parribacus holthuisi* Forest, 1954b: 346, fig. 25, 26b (Hikueru, Tahiti). — MONTEFORTE, 1984: 173, annex 1, tab. a (Mataiva, Moorea, Takapoto). — DELESALLE, 1985: 289 (Mataiva). — HOLTHUIS, 1985: 98 (Hao, Hikueru, Mangareva, Tahiti, Raroia). — SALVAT, 1986b: 70, 71, photograph (French Polynesia).

#### ***Parribacus scarlatinus* Holthuis, 1960**

DISTRIBUTION. — Marquesas (Fatu Hiva).

REFERENCES. — *Parribacus scarlatinus* - MICHEL, 1971: 472 (Marquesas, Omoa bay = Fatu Hiva). — HOLTHUIS, 1985: 102, fig. 26; 1991: 215, fig. 411-412 (Marquesas).

#### ***Scyllarus aurora* Holthuis, 1981**

DISTRIBUTION. — Austral (Maria, Rurutu, Tubuai); Gambier; Marquesas (Fatu Hiva, Tahuata); Society (Maupiti, Moorea, Raiatea, Tupai); Tuamotu (Akiaki, Fangataufa, Hao, Makemo, Marutea South, Maria, Moruroa, Tuanake, Tureia, Vanavana) - *Sublittoral to deep*.

REFERENCES. — ? *Scyllarus* sp. IV & V - MICHEL, 1971: 467, tab. 3 (Marquesas, Tuamotu; larvae only). — *Scyllarus aurora* Holthuis, 1981: 847, fig. 1-2 (Tubuai; 200m). — MANAC'H & CARSIN, 1985: 473 (Moruroa and/or Fangataufa). — POUPIN, 1996: in press ("Common, 90-300m"; in the distribution, most of the islands are mentioned here for the first time).

### INFRA-ORDER ANOMURA

#### FAMILY COENOBITIDAE

#### ***Birgus latro* (Linné, 1767)**

DISTRIBUTION. — Gambier (Temoe); Tuamotu (Amanu, Makatea, Marutea South, Matureivavao, Morane, Niau, Pukapuka, Raroia, Taiaro, Takapoto) - *Terrestrial*.

REFERENCES. — *Birgus latro* - DANA, 1852b: 474; 1855, pl. 30, fig. 5a-b (several islands in the Tuamotu; drawing of a specimen from "Honden" = Pukapuka). — NOBILI, 1907: 375 (Amanu). — SEURAT, 1904a: 242 (Marutea South, Temoe, "Mature-vavao" = Matureivavao); 1934: 51 (French Polynesia). — SENDLER, 1923: 44 (Makatea). — HOLTHUIS, 1953: 36 (Raroia). — MORRISON, 1954: 10 (Raroia). — FOREST, 1954a: 79; 1956a: 1073 (Niau). — CHABOUIS L. & F., 1954: 92, unnumbered fig. (Makatea). — MONTEFORTE, 1984: 172, annex 1, tab. a (Makatea, Takapoto). — DELESALLE, 1985: 288 (Mataiva). — CHARLEUX, 1986: 80, photograph (French Polynesia). — SALVAT &



RICHARD, 1985: 356 (Takapoto). — SALVAT, 1986b: 71; 1986c: 8-9, photograph (French Polynesia). — BONVALLOT *et al.*, 1994: 76, photograph (Tuamotu). — POUPIN, 1994a: 10, fig. 6, pl. 1h (Taiaro) - NEW MATERIAL - Coll. and det. J. POUPIN (Morane).

REMARK. — GIBSON-HILL (1948: 10) mentions this species from the Marquesas Islands, but it is doubtful that it really occurs in these Islands, where we have made several unsuccessful investigations.

### *Coenobita brevimanus* Dana, 1852

DISTRIBUTION. — Society (Bora Bora, Tahiti); Tuamotu (Amanu, Hao, Hikueru, Makatea, Mataiva, Niau, Nukutipipi, Raroia, Takapoto, Taiaro) - *Terrestrial*.

REFERENCES. — *Coenobita clypeata* Latr. - HELLER, 1865: 82 (Tahiti). — SEURAT, 1934: 52 (Amanu, Hao). — *Coenobita clypeatus* (Herbst) - ORTMANN, 1892a: 316, pl. 12, fig 20 (Tahiti) not *C. clypeatus* (Herbst, 1794) = *C. hilgendorfi* Terao in TERAO (1913: 388). — *Coenobita clypeatus* Latr. - NOBILI, 1907: 373 (Amanu, "Ohura" = Hao). — SENDLER, 1923: 42 (Makatea, "Nian" = Niau). — *Coenobita hilgendorfi* Terao, 1913: 388 (Syn.; cf. Remark). — FOREST, 1954a: 77 (Hikueru; Syn.); 1956a: 1072 (Hikueru, Tahiti). — *Coenobita clypeatus* Latreille - BOONE, 1935: 40, pl. 9 (Bora Bora). — *Coenobita brevimanus* - HOLTHUIS, 1953: 36 (Raroia). — MORRISON, 1954: 10 (Raroia). — MONTEFORTE, 1984: 172, annex 1, tab. a (Makatea, Mataiva, Takapoto). — SALVAT, 1986b: 72 (French Polynesia). — NAKASONE, 1988: 174 (Syn.). — MERSCHARDT-SALVAT, 1991: 40 (Nukutipipi). — SALVAT F. & B., 1992: 5 (Nukutipipi). — POUPIN, 1994a: 11, fig. 7, pl. 1c (Hikueru, Tahiti, Taiaro). — *Coenobita ollivieri* (sic) - CHARLEUX, 1986: 80-81, photograph (French Polynesia) not *C. ollivieri* (Owen, 1839) = *C. brevimanus* (correction according to the photograph).

REMARK. — In TERAO (1913: 389) *Coenobita clypeatus* (Herbst, 1794) is different from *Coenobita clypeatus* (Latreille, 1826), and the name *Coenobita hilgendorfi* is proposed for LATREILLE's material. More recently, NAKASONE (1988) considers that TERAO's (1913) *C. hilgendorfi* is the same than *C. brevimanus* Dana, 1852, and states that, until 1955, DANA's species has been often referred to as, either *C. clypeatus*, or *C. hilgendorfi*.

### *Coenobita carnescens* Dana 1851

DISTRIBUTION. — Tuamotu (Ahe and/or Manihi, Aratika, Kauehi, Pukapuka, Raraka) - *Terrestrial*.

REFERENCES. — *Coenobita carnescens* Dana, 1851: 272 (Paumotu); 1852b: 472; 1855, pl. 30, fig. 3a-b ("Carlshoff" = Aratika, "Honden" = Pukapuka, Raraka, "Vincennes" = Kauehi, "Waterland" = Ahe and/or Manihi). — POUPIN, 1994a: 9, fig. 5 (Text).

REMARK. — In NAKASONE (1988: 165) this species would be valid, although it was considered doubtful by BOUVIER (in ALCOCK, 1905: 193). According to the drawings provided by DANA, *Coenobita carnescens* could be in fact the juvenile form of *C. perlatus* (cf. POUPIN, 1994a: 12, pl. 1d-f).

### *Coenobita cavipes* Stimpson, 1858

DISTRIBUTION. — Austral (Rimatara) - *Terrestrial*.

REFERENCES. — *Coenobita cavipes* - SENDLER, 1923: 43 (Rimatara). — MIYAKE, 1991: 116, fig. 3 (cited only for the illustration). — POUPIN, 1994a: 9 (Text).

### *Coenobita olivieri* (Owen, 1839)

DISTRIBUTION. — Gambier (Tarauru-Roa); Society (Tahiti) - *Terrestrial*.

REFERENCES. — *Coenobita olivieri* - NOBILI, 1907: 374 ("Tarawao, Papenoo" = Tahiti, Tarauru-Roa; cf. Remark). — SEURAT, 1934: 52 (Tahiti, Gambier). — FOREST, 1956a: 1056 (French Polynesia). — POUPIN, 1994a: 14 (Tahiti; cf. Remark). — Not *Coenobita olivieri* - DANA, 1852b: 470 = *C. spinosus* H. Milne Edwards *fide* ORTMANN (1892a: 318). — BAGNIS & CHRISTIAN, 1983: 108, photograph (Tuamotu) = *C. perlatus* H. Milne Edwards *fide* POUPIN (1994a: 12).

REMARK. — A specimen attributed by NOBILI to *Coenobita olivieri* (Owen, 1839) has been examined previously (POUPIN, 1994a; Tahiti "Papenoo", MNHN Pg2111). It is very close to *Coenobita spinosus*, and ORTMANN's (1892a) opinion that *Coenobita olivieri* is only a variety of *C. spinosus*, could be justified. Examination of the type material is required to clarify that point.



***Coenobita perlatus* H. Milne Edwards, 1837**

DISTRIBUTION. — Gambier (Mangareva, Tarauru-Roa, Temoe); Society (Moorea, Tahiti); Tuamotu (Amanu, Hao, Hikueru, Kaukura, Makatea, Marutea South, Mataiva, Moruroa, Nukutipipi, Raroia, Taiaro, Takapoto, Takume) - *Terrestrial*.

REFERENCES. — *Coenobita perlata* - SEURAT, 1904a: 238 (Mangareva, Tarauru-Roa, Temoe, Marutea South); 1904b: 95 (Marutea South); 1934: 51 (French Polynesia). — CHEVALIER *et al.*, 1968: 85, 137 (Moruroa). — *Coenobita perlatus* - NOBILI, 1907: 373 (Amanu, Hao, Kaukura, Marutea, Tarauru-Roa). — SENDLER, 1923: 43 (Makatea, "Uusuroa, Paumotu" = ?). — HOLTHUIS, 1953: 37 (Raroia). — MORRISON, 1954: 7 (Raroia). — CHABOUIS L. & F., 1954: 93 ("Mataia" = Tahiti). — FOREST, 1954a: 78; 1956a: 1072 (Hikueru, Takume). — MONTEFORTE, 1984: 172, annex 1, tab. a (Makatea, Mataiva, Moorea, Tahiti, Takapoto); 1987: 6 (Moorea). — DELESALLE, 1985: 288, 289 (Mataiva). — SALVAT & RICHARD, 1985: 359, 360 (Takapoto). — CHARLEUX, 1986: 80-81, photograph (French Polynesia). — SALVAT, 1986b: 71 (French Polynesia). — MERSCHARDT-SALVAT, 1991: 40 (Nukutipipi). — PARDON, 1992: 83, photograph (Tuamotu). — SALVAT F. & B., 1992: 5 (Nukutipipi). — BONVALLOT *et al.*, 1994: 77, photograph (Tuamotu). — POUPIN, 1994a: 12, fig. 8, pl. 1d,f (Hao, Mangareva, Marutea, Taiaro). — *Coenobita rugosus* var. *granulatus* Bouvier - NOBILI 1907: 373 (Marutea, "Ohura" = Hao) not *C. rugosus* H. Milne Edwards, 1837 = *C. perlatus* fide FOREST (1954a: 78). — *Coenobita rugosus* - NOBILI, 1907: 373 (Hao, Kaukura) — SEURAT, 1934: 52 (NOBILI's material) - These two references, *pro parte* not *C. rugosus* H. Milne Edwards, 1837 = *C. perlatus* fide FOREST (1954a: 78). — *Coenobita olivieri* - BAGNIS & CHRISTIAN, 1983: 108, photograph (Tuamotu) not *C. olivieri* (Owen, 1839) = *C. perlatus* fide POUPIN (1994a: 12).

***Coenobita rugosus* H. Milne Edwards, 1837**

DISTRIBUTION. — Austral (Raevavae); Society (Tahiti); Tuamotu (Hikueru, Kaukura, Raraka, Raroia, Takume) - *Terrestrial*.

REFERENCES. — *Cenobita rugosa* - DANA, 1852b: 471; 1855, pl. 30, fig. 1 (Raraka). — STIMPSON, 1858c: 245 [83]; 1907: 199 (Tahiti). — HELLER, 1865: 82 (Tahiti). — HENDERSON, 1888: 51 (Tahiti). — SEURAT, 1934: 52 (Kaukura) — *Coenobita rugosus* - ORTMANN, 1892a: 317, pl. 12, fig. 22 (Tahiti). — NOBILI, 1907: 373 (Kaukura, "Ohura" = Hao) *pro parte* fide FOREST (1954a: 78; some specimens are *C. perlatus*). — SENDLER, 1923: 42 (Tuamotu). — FOREST, 1954a: 78; 1956a: 1073 (Hikueru, Tahiti, Takume). — HOLTHUIS, 1953: 40 (Raroia). — MORRISON, 1954: 10 (Raroia). — POUPIN, 1994a: 13, fig. 9, pl. 1e (Raevavae, Tahiti). — Not *C. rugosus* (*pro parte*) and *C. rugosus* var. *granulosa* Bouvier - NOBILI, 1907: 373 = *C. perlatus* fide FOREST (1954a: 78).

***Coenobita spinosus* H. Milne Edwards, 1837**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Ahe and/or Manihi, Amanu, Niau, Nukutipipi, Reao) - *Terrestrial*.

REFERENCES. — *Cenobita olivieri* - DANA, 1852b: 470 ("Clermont Tonnerre" = Reao, Tahiti, "Waterland" = Ahe and/or Manihi) not *C. olivieri* (Owen, 1839) = *C. spinosus* fide ORTMANN (1892a: 318). — *Coenobita spinosus* - NOBILI, 1907: 374 (Amanu). — SENDLER, 1923: 43 ("Nian"=Niau). — SEURAT, 1934: 52 (Amanu). — FOREST, 1956a: 1056 (French Polynesia). — MERSCHARDT-SALVAT, 1991: 40 (Nukutipipi). — SALVAT F. & B., 1992: 5 (Nukutipipi). — POUPIN, 1994a: 14, fig. 10, pl. 1g (Amanu, Moorea, Tahiti).

## FAMILY DIOGENIDAE

***Aniculus aniculus* (Fabricius, 1787)**

DISTRIBUTION. — Gambier (Mangareva); Marquesas (Nuku Hiva); Society (Moorea, Tahiti); Tuamotu (Ahe and/or Manihi, Aratika, Fakahina, Hikueru, Makatea, Marokau, Marutea South, Mataiva, Moruroa, Nukutipipi, Rangiroa, Raraka, Raroia, Takapoto, Tikehau).

REFERENCES. — *Aniculus typicus* - DANA, 1852b: 461; 1855, pl. 29, fig. 1 ("Carlshoff" = Aratika, Raraka, "Waterland" = Ahe and/or Manihi). — CANO, 1888: 178 (Tahiti). — *Aniculus aniculus* - NOBILI, 1907: 371 (Marokau). — SEURAT, 1934: 61 (Tuamotu, Gambier). — BOONE, 1935: 36, pl. 8 (Tahiti). — HOLTHUIS, 1953: 41 (Raroia). — MORRISON,



1954: 13 (Raroia). — FOREST, 1953b: 561; 1956a: 1067 (Hikueru, Tahiti); 1984: 21, fig. 8, 16, 28-30, 35, 66, 68, 74, 76-85 (Fakahina, Hikueru, Mangareva, Marokau, Marutea South, "Matahiva and Tiahura" = Moorea, Moruroa, Rangiroa, Raroia, Tahiti, "Tawhae, Marquesas" = Taiohae at Nuku Hiva, "Tikahau atoll" = Tikehau; Syn.). — MONTEFORTE, 1984: 172, annex 1, tab. a (Makatea, Mataiva, Moorea, Takapoto); 1987: 8 (Moorea). — DELESALLE, 1985: 289 (Mataiva). — RAHAYU, 1988: 40 (French Polynesia). — MERSCHARDT-SALVAT, 1991: 40 (Nukutipipi). — SALVAT F. & B., 1992: 5 (Nukutipipi).

REMARK. — *Aniculus typicus*, proposed by DANA (1852c) in the place of *Pagurus aniculus* Fabricius, is no more a valid name (cf. FOREST, 1984: 21).

#### ***Aniculus maximus* Edmonson, 1952**

DISTRIBUTION. — Marquesas (Fatu Hiva, Nuku Hiva).

REFERENCES. — *Aniculus maximus* - FOREST, 1984: 61, fig. 14, 22, 59-61 (Fatu Hiva, Nuku Hiva). — SALVAT, 1986a: 6, 7, photograph (French Polynesia). — ? *Aniculus* sp. - SALVAT, 1986b: 71, photograph (French Polynesia; det. according to the photograph).

#### ***Calcinus elegans* (H. Milne Edwards, 1836)**

DISTRIBUTION. — Gambier (Kamaka, Makaroa, Mangareva); Society (Bora Bora, Tahiti); Tuamotu (Ahe and/or Manihi, Amanu, Apataki, Aratika, Hao, Hikueru, Marutea South, Mataiva, Raroia, Reao, Tagatau, Taiaro, Takume).

REFERENCES. — *Calcinus elegans* - DANA, 1852b: 458; 1855, pl. 28, fig. 10a-c ("*Carlshoff*" = Aratika, "*Clermont Tonnerre*" = Reao, "*Waterland*" = Ahe and/or Manihi). — HELLER, 1865: 88 (Tahiti). — NOBILI, 1907: 368 (Amanu, Hao, Kamaka, Makaroa, Marutea South, "Rikitea" = Mangareva, Tagatau, "Wakatihi" = ?). — BOONE, 1935: 23, pl. 3 (Bora Bora, Tahiti). — HOLTHUIS, 1953: 41 (Raroia). — MORRISON, 1954: 13 (Raroia). — FOREST, 1953b: 555; 1956a: 1062 (Hikueru, Tahiti, Takume). — MONTEFORTE, 1984: 172, annex 1, tab. a (Mataiva). — RAHAYU, 1988: 10, 17 (French Polynesia). — POUPIN, 1994a: 15, fig. 11, pl. 2a (Hao, Taiaro).

#### ***Calcinus gaimardi* (H. Milne Edwards, 1848)**

DISTRIBUTION. — Society (Moorea, Tahiti).

REFERENCES. — *Calcinus gaimardi* - HELLER, 1865: 87 (Tahiti). — FOREST, 1953b: 555; 1956a: 1062 (Tahiti). — KROPP & BIRKELAND, 1981: 630, tab. 5 (Moorea). — MONTEFORTE, 1984: 172, annex 1, tab. a; 1987: 8 (Moorea). — RAHAYU, 1988: 20 (Tahiti).

#### ***Calcinus guamensis* Wooster, 1984**

DISTRIBUTION. — Marquesas (Fatu Hiva, Hiva Oa).

REFERENCES. — *Calcinus guamensis* - NEW MATERIAL - February 1996, Coll. J. POUPIN, det. J. POUPIN & J. FOREST (Fatu Hiva, Hiva Oa).

#### ***Calcinus imperialis* Whitelegge, 1901**

DISTRIBUTION. — Society (Tahiti); Tuamotu (Moruroa).

REFERENCES. — *Calcinus imperialis* - NEW MATERIAL - October 1995, Coll. (in coral *Pocillopora*) & det. J. POUPIN (Moruroa, Tahiti "Taravao"). — MORGAN, 1991: 882, fig. 21-23 (Syn.; Key).

#### ***Calcinus laevimanus* (Randall, 1840)**

DISTRIBUTION. — Gambier (Kamaka, Mangareva, Puaumu); Society (Moorea, Tahiti); Tuamotu (Ahe and/or Manihi, Aratika, Hao, Hikueru, Kauehi, Makatea, Marutea South, Mataiva, Raraka, Raroia, Tagatau, Taiaro, Takapoto, Takume).

REFERENCES. — *Calcinus tibicen* - DANA, 1852b: 457 ("*Carlshoff*" = Aratika, Raraka, "*Vincennes*" = Kauehi, "*Waterland*" = Ahe and/or Manihi) not *C. tibicen* (Herbst, 1791) = *C. laevimanus* fide MORGAN (1991: 888). — HELLER, 1865: 87 (Tahiti; cf. Remark). — HENDERSON, 1888: 61 (Tahiti; cf. Remark). — *Calcinus herbstii* - NOBILI, 1907: 368 *pro parte fide* FOREST (1951: 84) (Hao, Hikueru, Kamaka, Marutea, "Puamu" = Puaumu, "Rikitea" =



Mangareva, Tagatau, Tahiti). — SENDLER, 1923: 42 (Makatea). — FOREST, 1951: 84 (NOBILI's material); 1953: 555; 1956a: 1062 (Hikueru, Tahiti, Takume). — *Calcinus herbstii* var. *lividus* Edw. - NOBILI, 1907: 369 (Marutea; cf. Remark). — *Calcinus laevimanus* - HOLTHUIS, 1953: 43 (Raroia). — MORRISON, 1954: 7 (Raroia). — MONTEFORTE, 1984: 172, annex 1, tab. a (Makatea, Mataiva, Moorea, Takapoto); 1987: 8 (Moorea). — DELESALLE, 1985: 289 (Mataiva). — RAHAYU, 1988: 10, 18, fig. 1-3 (French Polynesia). — POUPIN, 1994a: 16, fig. 12 (Hikueru, Taiaro) - SYNONYMS - *Calcinus herbstii* de Man, 1888; *Pagurus lividus* H. Milne Edwards, 1848.

REMARK. — *Calcinus tibicen* (Herbst, 1791) is an Atlantic species. MORGAN (1991: 888) has cited several works in which *C. laevimanus* is referred to as *C. tibicen*, *C. herbstii*, or *C. herbstii* var. *lividus*, but without the works by HELLER, HENDERSON or NOBILI. Although not verified, this material is here attributed to *C. laevimanus*.

#### *Calcinus latens* (Randall, 1840)

DISTRIBUTION. — Gambier (Vaiatekeue); Society (Moorea, Tahiti); Tuamotu (Fakahina, Hao, Hikueru, Makatea, Mataiva, Raroia, Taiaro, Takapoto, Takume).

REFERENCES. — *Calcinus latens* - HELLER, 1865: 88 (Tahiti). — NOBILI, 1907: 369 (Hao). — FOREST, 1951: 84, fig. 14-18 (French Polynesia); 1953b: 556 (Syn.); 1956a: 1062 (Hikueru, Tahiti, Takume). — HOLTHUIS, 1953: 44 (Raroia). — MORRISON, 1954: 7 (Raroia). — NAIM, 1980a, annex 1, tab. 3 (Moorea). — KROPP & BIRKELAND, 1981: 630, tab. 5 (Takapoto). — MONTEFORTE, 1984: 172, annex 1, tab. a (Mataiva, Moorea, Tahiti, Takapoto); 1987: 8 (Moorea). — GALZIN & POINTIER, 1985: 100 (Moorea). — SALVAT & RICHARD, 1985: 358 (Takapoto). — RAHAYU, 1988: 10, 19 (French Polynesia). — POUPIN, 1994a: 17, fig. 13, pl. 2b (Takume, Taiaro). — *Calcinus herbstii* - NOBILI, 1907: 368 (Hao, "canal Waiatekene" = Vaiatekeue) *pro parte* not *C. herbstii* de Man, synonym of *C. laevimanus* = *C. latens* fide FOREST (1951: 84). — *Calcinus terrae-reginae* - NOBILI, 1907: 369 (Fakahina, Hao, Mangareva) - SYNONYMS - *Calcinus terrae-reginae* Haswell, 1882.

#### *Calcinus minutus* Buitendijk, 1937

DISTRIBUTION. — Society (Moorea).

REFERENCES. — *Calcinus minutus* - MONTEFORTE, 1984: 172, annex 1, tab. a (Moorea).

#### *Calcinus nitidus* Heller, 1865

DISTRIBUTION. — Society (Tahiti); Tuamotu (Takapoto).

REFERENCES. — *Calcinus nitidus* Heller, 1865: 89, pl. 7, fig. 4 (Tahiti). — DE MAN, 1890: 111 (Tahiti). — ORTMANN, 1892a: 293 (Tahiti). — FOREST, 1956b: 218, fig. 1-4 (Tahiti). — RAHAYU, 1988: 10 (French Polynesia). — POUPIN, 1994a: 18, fig. 14, pl. 2c (Tahiti, Takapoto).

#### *Calcinus seurati* Forest, 1951

DISTRIBUTION. — Gambier (Tarauru-Roa, Vaiatekeue); Society (Tahiti); Tuamotu (Hao, Hikueru, Fakahina, Raroia, Taiaro, Takume).

REFERENCES. — *Calcinus herbstii* - NOBILI, 1907: 368 (Hao, Fakahina, "Taraouroua" = Tarauru-Roa, "chenal Waiatekene" = Vaiatekeue) *pro parte* not *C. herbstii* de Man, 1888, synonym of *C. laevimanus* = *C. seurati* fide FOREST (1951: 86). — *Calcinus seurati* Forest, 1951: 84, fig. 1, 3-4, 7-8 (NOBILI's material); 1953b: 556; 1956a: 1062 (Hikueru, Tahiti, Takume). — HOLTHUIS, 1953: 44 (Raroia, Takume). — MORRISON, 1954: 7 (Raroia). — RAHAYU, 1988: 19 (Hikueru, Tahiti, Takume). — POUPIN, 1994a: 19, fig. 15, pl. 2d (Hao, Taiaro).

#### *Calcinus spicatus* Forest, 1951

DISTRIBUTION. — Gambier (Vaiatekeue).

REFERENCES. — *Calcinus herbstii* - NOBILI, 1907: 368 ("chenal Waiatekene" = Vaiatekeue) *pro parte* not *C. herbstii* de Man, 1888, synonym of *C. laevimanus* = *C. spicatus* fide FOREST (1951: 84). — *Calcinus spicatus* Forest, 1951: 90, fig. 10-13 ("chenal Waiatekene" = Vaiatekeue). — RAHAYU, 1988: 21 (French Polynesia).



***Ciliopagurus krempfi* (Forest, 1952)**

DISTRIBUTION. — Marquesas (Tahuata) - *Sublittoral*.

REFERENCES. — *Ciliopagurus krempfi* - FOREST, 1955: 59 fig. 10c, 11, 12c, 31d, 37g-h (Tahuata; 48m).

***Ciliopagurus strigatus* (Herbst, 1804)**

DISTRIBUTION. — Marquesas (Nuku Hiva); Society (Moorea, Tahiti).

REFERENCES. — *Pagurus strigatus* - ORTMANN, 1892a: 285 (Tahiti). — *Trizopagurus strigatus* - MONTEFORTE, 1984: 172, annex 1, tab. a (Moorea, Tahiti); 1987: 8 (Moorea). — *Ciliopagurus strigatus* - FOREST, 1995: 49, fig. 8a, 9, 10a, 12a, 31a-b, 37d (Moorea, Nuku Hiva, Tahiti).

***Clibanarius corallinus* (H. Milne Edwards, 1848)**

DISTRIBUTION. — Society (Bora Bora, Tahiti); Tuamotu (Apataki, Hao, Hikueru, Mataiva, Moruroa, Raroia, Taiaro, Takapoto, Takume).

REFERENCES. — *Clibanarius corallinus* - HELLER, 1865: 89 (Tahiti; *cf.* Remark). — NOBILI, 1907: 367 (Apataki, Hao). — BOONE, 1935: 17, pl. 1 (Bora Bora). — HOLTHUIS, 1953: 45 (Raroia). — MORRISON, 1954: 13 (Raroia). — FOREST, 1953a: 442; 1956a: 1057 (Hikueru, Tahiti, Takume). — MONTEFORTE, 1984: 172, annex 1, tab. a (Mataiva, Takapoto). — RAHAYU, 1988: 26, fig. 4-6 (Tahiti). — POUPIN, 1994a: 20, fig. 16 (Apataki, Moruroa, Taiaro).

REMARK. — HELLER (1862: 527) has also described a new *Clibanarius* from Tahiti, *Clibanarius semistriatus*. According to J. FOREST (Personal communication) this species is very doubtful and could be a *Pagurus* or a *Paguristes*.

***Clibanarius eurysternus* Hilgendorf, 1878**

DISTRIBUTION. — French Polynesia.

REFERENCES. — *Clibanarius eurysternus* - RAHAYU, 1988: 10, 28 (French Polynesia). — RAHAYU & FOREST, 1992: 750 (Distribution only "Polynésie").

***Clibanarius humilis* (Dana, 1851)**

DISTRIBUTION. — Gambier (Mangareva, Tarauru-Roa); Society (Tahiti); Tuamotu (Hikueru, Mataiva, Moruroa, Takume).

REFERENCES. — *Clibanarius aequabilis* - ? DANA, 1852b: 464; 1855, pl. 29, fig. 4a-f (Tahiti; *cf.* Remark). — NOBILI, 1907: 367 ("Rikitea" = Mangareva, Tarauru-Roa) not *C. aequabilis* Dana, 1852 = *C. humilis* fide FOREST (1953a: 443). — *Clibanarius humilis* - FOREST, 1953a: 443, fig. 1, 5; 1956a: 1057 (Hikueru, Tahiti, Takume). — MONTEFORTE, 1984: 172, annex 1, tab. a (Mataiva). — RAHAYU, 1988: 10, 27 (French Polynesia). — POUPIN, 1994a: 21, fig. 17 (Moruroa, Tahiti).

REMARK. — *Clibanarius aequabilis* Dana, 1852 is an Atlantic species. Concerning DANA's material, FOREST (1953a: 446) writes: "A quoi correspond le sp. *C. aequabilis* de Tahiti, figuré par Dana ? Il est souhaitable que le terme d'*aequabilis* ne soit plus utilisé pour les espèces de l'Indo-Pacifique."

***Clibanarius ransoni* Forest, 1953**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Clibanarius ransoni* Forest, 1953a: 446, fig. 2, 6; 1956a: 1059 (Tahiti). — RAHAYU, 1988: 30 (Tahiti).

***Clibanarius rhabdodactylus* Forest, 1953**

DISTRIBUTION. — Tuamotu (Hao, Hikueru).

REFERENCES. — *Clibanarius zebra* - NOBILI, 1907: 367 (Hao), not *C. zebra* Dana, 1852 = *C. rhabdodactylus* fide RAHAYU & FOREST (1992: 777). — *Clibanarius zebra* var. *rhabdodactylus* Forest, 1953a: 448, fig. 3, 8; 1956a: 1059 (Hikueru). — RAHAYU, 1988: 29 (French Polynesia). — *Clibanarius rhabdodactylus* - RAHAYU & FOREST, 1992: 777 (Syn.).



***Clibanarius striolatus* Dana, 1852**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Clibanarius striolatus* - HELLER, 1865: 89 (Tahiti). — FOREST, 1953a: 448; 1956a: 1059 (Tahiti). — RAHAYU, 1988: 10, 27 (Tahiti).

***Clibanarius zebra* (Dana, 1852)**

DISTRIBUTION. — Marquesas (Fatu Hiva, Nuku Hiva, Ua Pou).

REFERENCES. — *Clibanarius zebra* - FOREST, 1953a: 449, fig. 4 ("Taiohae" = Nuku Hiva) - NEW MATERIAL - February 1996, Coll. J. POUPIN, det. J. POUPIN & J. FOREST (Fatu Hiva, Nuku Hiva, Ua Pou).

REMARK. — FOREST (1953a) states that the specimens from Marquesas (Coll. Père Simon DELMAS) are typical of *C. zebra*, and distinctly larger than the *rhabdodactylus* variety.

***Dardanus australis* Forest & Morgan, 1991**

DISTRIBUTION. — Austral (Rapa) - *Sublittoral to deep*.

REFERENCES. — *Dardanus australis* - NEW MATERIAL - March 1995, Coll. J. POUPIN, det. J. FOREST (Rapa, 70-115m).

***Dardanus brachyops* Forest, 1962**

DISTRIBUTION. — Marquesas (Tahuata); Society (Bora Bora, Maupiti) - *Sublittoral to deep*.

REFERENCES. — *Dardanus brachyops* - POUPIN, 1996: in press (Bora Bora, Maupiti, Tahuata; 110-300m *cf.* Remark).

REMARK. — This species is still known only beyond 100m in French Polynesia, but it is merely sublittoral in FOREST (1962: 365; more than 33m to 80m).

***Dardanus deformis* (H. Milne Edwards, 1836)**

DISTRIBUTION. — Gambier (Mangareva?); Society (Tahiti); Tuamotu (Hao, Hikueru, Matureivavao).

REFERENCES. — *Pagurus difformis* - HELLER, 1865: 86 (Tahiti). — HENDERSON, 1888: 57 (Tahiti). — *Pagurus deformis* - NOBILI, 1907: 370 (Hao, and Mangareva with a ?). — BOONE, 1935: 28, pl. 5 (Tahiti). — FOREST, 1953b: 556; 1956a: 1063 (Hikueru, Tahiti). — *Dardanus deformis* - HOLTHUIS, 1953: 47 (Raroia, Tahiti). — MORRISON, 1954: 7 (Raroia). — RAHAYU, 1988: 35 (French Polynesia) - NEW MATERIAL - Coll. PLESSIS (Matureivavao), coll. C. HILY (Tahiti), det. J. POUPIN.

***Dardanus gemmatus* (H. Milne Edwards, 1848)**

DISTRIBUTION. — Austral (Maria); Marquesas (Ua Huka); Society (Moorea, Tahiti); Tuamotu (Manihi?, Taiaro) - Littoral to sublittoral (10-20m).

REFERENCES. — *Pagurus gemmatus* H. Milne Edwards, 1848: 60 (Marquesas). — STIMPSON, 1858c: 234 [72] (Marquesas; new material ?). — FOREST, 1953b: 557, fig. 10-11; 1956a: 1063 (Tahiti). — *Dardanus gemmatus* - MONTEFORTE, 1984: 172, annex 1, tab. a; 1987: 8 (Moorea). — RAHAYU, 1988: 36 (Tahiti). — POUPIN, 1994a: 22, fig. 18, pl. 2e (Maria, Tahiti, Taiaro, Ua Huka; 10-20m). — *Without name* - ? SALVAT, 1986a: 23, photograph (Tahiti). — ? PARDON, 1992: 80, photograph (Manihi) - Det. after the photographs.

***Dardanus guttatus* (Olivier, 1812)**

DISTRIBUTION. — Tuamotu (Tureia).

REFERENCES. — *Pagurus guttatus* - OWEN, 1839: 82 ("Carysfort" = Tureia). — *Dardanus guttatus* - HAIG & BALL, 1988: 165 (Syn.).

***Dardanus lagopodes* (Forskål, 1775)**

DISTRIBUTION. — Society (Maupiti?, Moorea, Tahiti, Tupai); Tuamotu (Hao, Hikueru, Moruroa).



REFERENCES. — *Pagurus euopsis* - NOBILI, 1907: 370 (Hao). — *Pagurus sanguinolentus* - FOREST, 1953b: 559, fig. 12-14 (Syn.); 1956a: 1064 (Hikueru, Tahiti). — *Dardanus lagopodes* - LEWINSOHN, 1969: 32 (Syn.). — MONTEFORTE, 1984: 172, annex 1, tab. a; 1987: 8 (Moorea). — RAHAYU, 1988: 32 (Tahiti, Tuamotu). — "Bernard l'hermite bigaré" - ? PARDON, 1992: 20, 21, double page photograph (Maupiti; det. according to the photograph) - NEW MATERIAL - Coll. and det. J. POUPIN (Moruroa, Tahiti, Tupai) - RELEVANT MATERIAL - *Dardanus* aff. *sanguinolentus* - SALVAT & RENAUD-MORNANT, 1969: 165 (Moruroa) - SYNONYMS - *Pagurus euopsis* Dana, 1852; *P. sanguinolentus* Quoy & Gaimard, 1824.

#### *Dardanus megistos* (Herbst, 1804)

DISTRIBUTION. — Society (Tahiti); Tuamotu (Hao, Raroia, Tagatau, Taiaro).

REFERENCES. — *Pagurus spinimanus* Edw. - DANA, 1852b: 452 (with a ?); 1855, pl. 28, fig. 5a-c (Tuamotu). — BOONE, 1935: 34, pl. 7 (Tahiti). — *Pagurus punctulatus* Olivier - HELLER, 1865: 87 (Tahiti). — NOBILI, 1907: 370 ("Ohura" = Hao, Tagatau). — *Pagurus megistos* - FOREST, 1953b: 559; 1956a: 1064 (Tahiti). — *Dardanus megistos* - HOLTHUIS, 1953: 49 (Raroia). — MORRISON, 1954: 7 (Raroia). — RAHAYU, 1988: 33 (French Polynesia). — POUPIN, 1994a: 23, fig. 19, pl. 2g (Tahiti, Taiaro). — Without name - ? SALVAT & RIVES, 1975: 57, full page photograph (French Polynesia; det. according to the photograph) - SYNONYMS - *Pagurus punctulatus* Olivier, 1811; *P. spinimanus* H. Milne Edwards, 1848.

#### *Dardanus pedunculatus* (Herbst, 1804)

DISTRIBUTION. — Austral (Tubuai); Tuamotu (Moruroa) - *Littoral to sublittoral*.

REFERENCES. — *Dardanus haani* - CHEVALIER *et al.*, 1968: 119 (Moruroa). — SALVAT & RENAUD-MORNANT, 1969: 165, 176 (Moruroa). — *Dardanus pedunculatus* - RAHAYU, 1988: 10, 34 (French Polynesia). — POUPIN, 1994a: 24, fig. 20, pl. 2f (Tubuai; 65m) - SYNONYMS - *Dardanus haani* (Rathbun, 1902).

#### *Dardanus scutellatus* (H. Milne Edwards, 1848)

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Pagurus scutellatus* - FOREST, 1953b: 560; 1956a: 1066 (Tahiti). — *Dardanus scutellatus* - RAHAYU, 1988: 36 (Tahiti).

#### *Diogenes gardineri* Alcock, 1905

DISTRIBUTION. — Gambier (Mangareva); Tuamotu (Marutea South).

REFERENCES. — *Diogenes gardineri* - NOBILI, 1907: 366 (Marutea South; "Rikitea" = Mangareva). — SEURAT, 1934: 61 (Mangareva, Marutea South). — FOREST, 1956a: 1056 (French Polynesia); 1957: 530 (NOBILI's material).

### FAMILY PAGURIDAE

#### *Catapaguroides fragilis* (Melin, 1939)

DISTRIBUTION. — Tuamotu (Moruroa) - *Littoral to sublittoral*.

REFERENCES. — *Catapaguroides fragilis* - DE SAINT LAURENT, 1968: 940, fig. 26 with hesitations (*cf.* p. 941, note 1) (Moruroa; 40m). — CHEVALIER *et al.*, 1968: 119, 138 (Moruroa).

#### *Micropagurus polynesiensis* (Nobili, 1906)

DISTRIBUTION. — Gambier (Mangareva); Tuamotu (Moruroa).

REFERENCES. — *Anapagurus polynesiensis* Nobili, 1906a: 260; 1907: 372, pl. 1, fig. 10. ("Rikitea" = Mangareva). — FOREST, 1956a: 1056 (French Polynesia). — CHEVALIER *et al.*, 1968: 119 (Moruroa). — *Micropagurus polynesiensis* - HAIG & BALL, 1988: 184 (Syn.).



***Pagurixus anceps* (Forest, 1954)**

DISTRIBUTION. — Society (Tahiti); Tuamotu (Hikueru).

REFERENCES. — *Eupagurus anceps* Forest, 1954a: 71, fig. 15-19; 1956a: 1067 (Hikueru, Tahiti). — ELDREDGE, 1967: 13 (Hikueru). — *Pagurixus anceps* - McLAUGHLIN & HAIG, 1984: 135, fig. 5 (Hikueru; Syn.).

***Pagurixus laevimanus* (Ortmann, 1892)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Eupagurus laevimanus* Ortmann, 1892a: 302, pl. 12, fig. 13 (Tahiti). — *Pagurixus laevimanus* - McLAUGHLIN & HAIG, 1984: 142, fig. 7 (Syn.).

***Pagurixus maorus* (Nobili, 1906)**

DISTRIBUTION. — Gambier (Mangareva).

REFERENCES. — *Eupagurus maorus* Nobili, 1906a: 259; 1907: 371, pl. 1, fig. 9 (Mangareva). — FOREST, 1954a: 73; 1956a: 1056 (French Polynesia). — *Pagurixus maorus* - McLAUGHLIN & HAIG, 1984: 126, fig. 2 (Syn.). — KOMAI & ASAKURA, 1995: 341, 353 (Key).

***Trichopagurus trichophthalmus* (Forest, 1954)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Catapaguroides trichophthalmus* Forest, 1954a: 74, fig. 20-24, with a ? for the genus; 1956a: 1069 (Tahiti). — *Trichopagurus trichophthalmus* - DE SAINT LAURENT, 1970: 212, fig. 1-16 (Tahiti).

## FAMILY GALATHEIDAE

***Coralliogalathea humilis* (Nobili, 1905)**

DISTRIBUTION. — Society (Moorea); Tuamotu (Hao, Tikehau).

REFERENCES. — *Galathea megalochira* Nobili, 1906a: 260; 1907: 376, pl. 1, fig. 12 (Hao). — *Coralliogalathea humilis* - LEWINSON, 1969: 117 (Syn.). — PEYROT-CLAUSADE, 1977a, annex of the species: 24 (Moorea); 1989: 113, 115 (Moorea, Tikehau). — KROPP & BIRKELAND, 1981: 629, tab. 5 (Moorea). — ? *Galathea himilis* (sic) - PEYROT-CLAUSADE, 1977b: 213 (Moorea).

***Galathea aculeata* Haswell, 1882**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Takapoto).

REFERENCES. — *Galathea aculeata* - ODINETZ, 1983: 208 (Moorea, Tahiti, Takapoto). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Moorea and/or Tahiti, Takapoto). — MONTEFORTE, 1987: 8 (Moorea).

***Galathea* aff. *amamiensis* Miyake & Baba, 1966**

DISTRIBUTION. — Society (Moorea) - *Littoral to sublittoral*.

REFERENCES. — *Galathea* aff. *amamiensis* - PEYROT-CLAUSADE, 1989: 115 (Moorea; 30m).

***Galathea affinis* Ortmann, 1892**

DISTRIBUTION. — Gambier (Mangareva); Society (Moorea); Tuamotu (Hao, Marutea South, Tikehau) - *Littoral to sublittoral*.

REFERENCES. — *Galathea affinis* - NOBILI, 1907: 375, pl. 1, fig. 11 (Marutea South, "Ohura" = Hao, "Rikitea and Gatawake" = Mangareva). — PEYROT-CLAUSADE, 1977a, annex of the species: 24; 1977b: 213; 1985: 462 (Moorea); 1989: 112, 115 (Moorea, Tikehau; 30m). — KROPP & BIRKELAND, 1981: 630, tab. 5 (Moorea).



***Galathea algae* Baba, 1969**

DISTRIBUTION. — Society (Moorea); Tuamotu (Tikehau) - *Littoral to sublittoral*.

REFERENCES. — *Galathea algae* - PEYROT-CLAUSADE, 1989: 112, 115 (Moorea, Tikehau; 30m).

***Galathea latirostris* Dana, 1852**

DISTRIBUTION. — Society (Raiatea, Tahiti).

REFERENCES. — *Galathea latirostris* - BOONE, 1935: 50, pl. 12 (Raiatea, Tahiti).

REMARK. — The status of this species, originally described by DANA (1852b: 480; 1855, pl. 30, fig. 8) from the Fiji is doubtful. The examination of topotypic material, and the revision of all the references attributed to *Galathea latirostris* is necessary to establish its real identity (K. BABA, personal communication). *Galathea latirostris* Lenz, 1902, describes form Juan Fernandez must be attributed to *Phylladorhynchus pusillus* (Henderson, 1885) (*cf.* BABA, 1991: 487), and must not be confounded with DANA's species.

***Phylladorhynchus serrirostris* (Melin, 1939)**

DISTRIBUTION. — Society (Moorea); Tuamotu (Tikehau) - *Littoral to sublittoral*.

REFERENCES. — *Galathea serrirostris* - PEYROT-CLAUSADE, 1977b: 213 (Moorea). — *Phylladorhynchus serrirostris* - PEYROT-CLAUSADE, 1977a, annex of the species: 24 (Moorea); 1989: 112, 115 (Moorea, Tikehau; "...extremely abundant at 30m"). — KROPP & BIRKELAND, 1981: 630, tab. 5 (Moorea).

***Sadayoshia miyakei* Baba, 1969**

DISTRIBUTION. — Society (Moorea); Tuamotu (Tikehau) - *Littoral to sublittoral*.

REFERENCES. — *Sadayoshia miyakei* - KROPP & BIRKELAND, 1981: 630, tab. 5 (Moorea). — PEYROT-CLAUSADE, 1989: 112, 115 (Moorea, Tikehau; 30m).

## FAMILY PORCELLANIDAE

***Neopetrolisthes maculatus* (H. Milne Edwards, 1837)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Neopetrolisthes oshimai* (*sic*) - PARDON, 1992: 81 (Tahiti). — *Neopetrolisthes maculatus* - HAIG, 1979: 127 (Syn.).

REMARK. — According to HAIG (1979), *Neopetrolisthes oshimai* Miyake, 1937 is a synonym of this species. This small crustacea is commensal of a sea-anemone. PARDON (1992) illustrates a shrimp *Stenopus* captured in a sea-anemone. "*Neopetrolisthes oshimai*" is only indicated in the caption, but is not visible on the photograph.

***Pachycheles pisoides* (Heller, 1865)**

DISTRIBUTION. — Society; Tuamotu (Tikehau).

REFERENCES. — *Pachycheles pisoides* - HAIG, 1966: 290 (Tuamotu; with the mention that it is the first record for the area, but without details on the material examined); 1983: 284 (Distribution only "Society Islands"). — PEYROT-CLAUSADE, 1989: 113 (Tikehau).

***Pachycheles sculptus* (H. Milne Edwards, 1837)**

DISTRIBUTION. — Society (Moorea); Tuamotu.

REFERENCES. — *Pachycheles sculptus* - HAIG, 1966: 287 (Tuamotu; same remark than for the previous species); 1983: 284 (Distribution only "Tuamotu"); 1992: 310 (Syn.). — PEYROT-CLAUSADE, 1989: 115 (Moorea).



***Petrolisthes bispinosus* Borradaile, 1900**

DISTRIBUTION. — French Polynesia.

REFERENCES. — *Petrolisthes bispinosus* - HAIG & KROPP, 1987: 171, 172, fig. 1-2 (French Polynesia, only in summary and discussion).

***Petrolisthes borradailei* Kropp, 1983**

DISTRIBUTION. — Gambier (Mangareva); Marquesas (Nuku Hiva); Society (Huahine, Moorea, Tahiti); Tuamotu (Fakarava, Makemo, Moruroa, Rangiroa, Raroia, Taiaro, Tikehau).

REFERENCES. — *Petrolisthes rufescens* - NOBILI, 1907: 377 ("Rikitea" = Mangareva; cf. Remark under *P. rufescens*). — POUPIN, 1994a: 25, fig. 21, pl. 2h (Mangareva, Moruroa, Taiaro) not *P. rufescens* = *P. borradailei* fide KROPP personal communication. — *Petrolisthes borradailei* Kropp, 1983: 96, 106, fig. 3 ("Fakarova" = Fakarava, Huahine, "Makemo" = Makemo, Moorea, Nuku Hiva, Rangiroa, Raroia, "Pascua Pass" = ?, Tahiti, "Tikahua" = Tikehau).

***Petrolisthes coccineus* (Owen, 1839)**

DISTRIBUTION. — Society (Moorea); Tuamotu.

REFERENCES. — *Porcellana coccinea* Owen, 1839: 87, pl. 26, fig. 1-2 ("Low Islands" = Tuamotu). — *Petrolisthes coccineus* - PEYROT-CLAUSADE, 1977a, annex of the species: 24; 1977b: 213 (Moorea). — HAIG, 1983: 280; 1992: 313, fig. 9 (Syn.).

***Petrolisthes decacanthus* Ortmann, 1897**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Petrolisthes decacanthus* Ortmann, 1897a: 285, pl. 17, fig. 2 (Tahiti). — HAIG & KROPP, 1987: 176 (French Polynesia, in the distribution only; Syn.).

***Petrolisthes eldredgei* Haig & Kropp, 1987**

DISTRIBUTION. — Society (Tahiti); Tuamotu (Raroia).

REFERENCES. — *Petrolisthes eldredgei* Haig & Kropp, 1987: 180, fig. 5-6 (Tahiti, Raroia).

***Petrolisthes elegans* Haig, 1981**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Fakarava).

REFERENCES. — *Petrolisthes bosci* - NOBILI, 1907: 377 ("Sakarava" = Fakarava) not *P. bosci* (Audouin, 1826) = *P. elegans* sp. nov. in HAIG (1981: 266). — *Petrolisthes elegans* Haig, 1981: 266, fig. 2 (Tahiti, "Sakarava" = Fakarava). — PEYROT-CLAUSADE, 1989: 115 (Moorea).

***Petrolisthes lamarckii* (Leach, 1820)**

DISTRIBUTION. — Tuamotu (Raraka, Takaraoa).

REFERENCES. — *Porcellana speciosa* Dana, 1852b: 417; 1855, pl. 26, fig. 8 (Raraka). — EVANS, 1967: 409 (Raraka; syntypes at the BM). — *Petrolisthes lamarckii* - HAIG, 1964: 362 (Takaraoa); 1992: 315, fig. 11 (Syn.). — KROPP, 1983: 100, 106 (Syn.).

***Petrolisthes militaris* (Heller, 1862)**

DISTRIBUTION. — Tuamotu (Marutea South).

REFERENCES. — *Petrolisthes militaris* - NOBILI, 1907: 377, with a ? (Marutea South).

REMARK. — The presence of this species in French Polynesia is doubtful. NOBILI's determination is uncertain and, moreover, it has never been reported in the area by HAIG (1979: 122; 1982: 280; 1992: 316).



***Petrolisthes pubescens* Stimpson, 1858**

DISTRIBUTION. — Marquesas (Nuku Hiva).

REFERENCES. — *Petrolisthes pubescens* - KROPP, 1986: 456, fig. 2 ("Taiohae, Haka Paa, baie du Controleur" = Nuku Hiva).

***Petrolisthes rufescens* (Heller, 1861)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Porcellana rufescens* - HELLER, 1865: 76 (Tahiti). — Not *Petrolisthes rufescens* - NOBILI, 1907: 377 (cf. Remark). — POUPIN, 1994a: 25, fig. 21, pl. 2h = *P. borradailei* Kropp, 1983 fide KROPP personal communication.

REMARK. — *Petrolisthes rufescens* and *P. borradailei* are two very close species. The main difference concerned the posterior border of the cheliped carpus, strongly toothed in *P. borradailei*, more smooth in *P. rufescens*. We have confused these two species in a previous work (POUPIN, 1994a) and re-examination of NOBILI's material in Paris (♀ ov. 8x7.3, MNHN Ga96) show that it also belongs to *P. borradailei*. HELLER's reference remains the only record of *P. rufescens* in the pacific and could also belongs to *P. borradailei*.

***Petrolisthes scabriculus* (Dana, 1852)**

DISTRIBUTION. — Society (Moorea); Tuamotu (Tikehau) - Littoral to sublittoral.

REFERENCES. — *Petrolisthes scabriculus* - PEYROT-CLAUSADE, 1977a, annex of the species: 25; 1977b: 213 (Moorea); 1989: 112, 115 (Moorea, Tikehau; 30m). — HAIG, 1979: 120 (Syn.).

***Petrolisthes tomentosus* (Dana, 1852)**

DISTRIBUTION. — Society (Tahiti); Tuamotu (Raraka).

REFERENCES. — *Porcellana tomentosa* Dana, 1852b: 420; 1855, pl. 26, fig. 10 (Raraka). — *Petrolisthes tomentosus* - KROPP, 1986: 453, fig. 1 (Tahiti, Tahitian neotype at the USNM; Syn.).

***Porcellana mitra* Dana, 1852**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Porcellana mitra* - HELLER, 1865: 74, 265, ("Südsee" and Tahiti; cf. Remark).

REMARK. — In HELLER, Tahiti is not mentioned in the main text (p. 74), but only at the end of the work, in the part concerning the geographical distribution (p. 265). It is thus not certain that the location "Tahiti" is correct for this species.

***Porcellana monilifera* Dana, 1852**

DISTRIBUTION. — Tuamotu (Raraka?).

REFERENCES. — *Porcellana monilifera* Dana, 1852b: 413; 1855, pl. 26, fig. 3 (Raraka, with a ?).

## FAMILY ALBUNEIDAE

***Albunea speciosa* Dana, 1852**

DISTRIBUTION. — Society (Moorea?).

REFERENCES. — *Albunea speciosa* - NEW MATERIAL - CRIOBE collections, Moorea (without label), 1 ♂ 11x10.5, det. J. POUPIN.

REMARK. — This specimen agrees very well with DANA's species, illustrated by SERÈNE (1973). Formely, *Albunea speciosa* was considered as endemic from Hawaii. SERÈNE (1973) has examined specimens from the type locality but mentions that the type material has disappeared. In 1973, THOMASSIN, has described *A. madagascariensis*, very close to



*A. speciosa*. By the shape of the ocular peduncle and the number of frontal spines, the specimen from Moorea do belongs to DANA's species.

#### FAMILY HIPPIDAE

##### *Hippa adactyla* Fabricius, 1787

DISTRIBUTION. — Marquesas (Nuku Hiva); Society (Tahiti) - *Brackish water*.

REFERENCES. — *Remipes testudinarius* - ? HELLER, 1865: 72 (Tahiti; reference not found in HAIG, 1970). — DE MAN, 1896: 466 ("Nuka-hiwa (Mus. Paris)" = Nuku Hiva). — *Hippa adactyla* - HOLTHUIS, 1953: 35 (Tahiti). — HAIG, 1970: 294 (Syn.); 1974: 179, fig. 2, pl. 6 (Marquesas, distribution only) - NEW MATERIAL - 1 ♂ 28x23.5, coll. C. HILY, det. J. POUPIN ("Arue" = Tahiti; confronted with DE MAN's material) - SYNONYMS - *Remipes testudinarius* Latreille, 1806.

##### *Hippa ovalis* (A. Milne Edwards, 1863)

DISTRIBUTION. — Society (Tahiti) - *Brackish water*.

REFERENCES. — *Hippa ovalis* - HOLTHUIS, 1953: 35 (Tahiti). — THOMASSIN, 1969: 154, fig. 7b, 8b, 9, pl. 6, fig. 1-8 (Syn.).

##### *Hippa pacifica* (Dana, 1852)

DISTRIBUTION. — Gambier (Mangareva); Society (Tahiti) - *Brackish water*.

REFERENCES. — *Remipes pacificus* - NOBILI, 1907: 378 (Mangareva). — SEURAT, 1934: 60 (Tahiti). — ? *Hippa* sp. - CHABOUIS L. & F., 1954: 92, unnumbered fig. (French Polynesia; det. according to the shape of the front margin, on the figure). — *Hippa pacifica* - HAIG, 1974: 181, fig. 3 (Gambier, distribution only; Syn.).

REMARK. — NOBILI's material has been re-examined (MNHN Hi38, Mangareva, 1 ♀ ov. 22x17, coll. SEURAT 1905, det. NOBILI 1906) and is similar to other specimens attributed by DE MAN to this species (MNHN Hi107, Java sea; MNHN Hi108, Atjeh).

#### INFRA-ORDER BRACHYURA

#### FAMILY DROMIIDAE

##### *Cryptodromia coronata* Stimpson, 1859

DISTRIBUTION. — Gambier (Mangareva).

REFERENCES. — *Cryptodromia coronata* - NOBILI, 1907: 378 ("Rikitea" = Mangareva). — FOREST & GUINOT, 1962: 56 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 448 (List). — *Cryptodromia ? coronata* - MCLAY, 1993: 199 (Syn.; with the indication that the status of the species is uncertain).

##### *Cryptodromia fallax* (Lamarck, 1818)

DISTRIBUTION. — Tuamotu (Raroia).

REFERENCES. — *Cryptodromia canaliculata* - HOLTHUIS, 1953: 3 (Raroia). — MORRISON, 1954: 13 (Raroia). — FOREST & GUINOT, 1962: 56 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 448 (List). — *Cryptodromia fallax* - MCLAY, 1993: 206, fig. 18e (Syn.) - SYNONYMS - *Cryptodromia canaliculata* Stimpson, 1858.



***Cryptodromiopsis tridens* Borradaile, 1903**

DISTRIBUTION. — Society (Moorea, Tahiti).

REFERENCES. — *Cryptodromiopsis tridens* - MCLAY, 1991: 467, fig. 5a-d (Moorea, Tahiti).

***Dromia wilsoni* (Fulton & Grant, 1902)**

DISTRIBUTION. — Austral (Raevavae); Marquesas (Tahuata); Tuamotu (Makemo, Takapoto) - *Sublittoral to deep*.

REFERENCES. — *Petalomera wilsoni* - MCLAY, 1991: 470, fig. 6a-d, 7a-c, 8a-c (Makemo, Raevavae, Tahuata, Takapoto; 190-350m). — *Dromia wilsoni* - MCLAY, 1993: 156, fig. 16e (Syn.). — POUPIN, 1996: in press (same material than MCLAY).

REMARK. — *Dromia wilsoni* is mainly a sublittoral species, usually found within the first 100m, but it is also recorded up to 520m (*cf.* in MCLAY, 1991: 475).

## FAMILY DYNOMENIDAE

***Dynomene hispida* Desmaret, 1825**

DISTRIBUTION. — Society (Moorea); Tuamotu (Marutea South, Tikehau).

REFERENCES. — *Dynomene hispida* - NOBILL, 1907: 378 ("Marutea-Vaitutaki" = Marutea South). — FOREST & GUINOT, 1962: 56 (Biogeography "Tahiti-Tuamotu"). — PEYROT-CLAUSADE, 1977a, annex of the species: 25; 1977b: 212 (Moorea); 1989: 111, 114 (Moorea, Tikehau). — GUINOT, 1985: 448 (List).

***Dynomene praedator* A. Milne Edwards, 1879**

DISTRIBUTION. — Society (Moorea, Tahiti).

REFERENCES. — *Dynomene praedator* - ORTMANN, 1892b: 534, pl. 26, fig. 3 (Tahiti). — FOREST & GUINOT, 1962: 56 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 448 (List). — *Dynomene sp.* - NAIM, 1980a: 55, *fide* observation and personal communication of MCLAY (Moorea; MNHN B20203). — *Dynomene sinense* - ODINETZ, 1983: 208 (Tahiti; MNHN B17090). — *Dynomene sinensis (sic)* - GUINOT, 1985: 448 (List; after ODINETZ) - These two references, not *D. sinense* Chen, 1979 = *D. praedator* *fide* observation and personal communication of MCLAY.

***Dynomene spinosa* Rathbun, 1911**

DISTRIBUTION. — Marquesas; Tuamotu (Raroia).

REFERENCES. — *Dynomene spinosa* - BALSS, 1935: 115 (Marquesas). — HOLTHUIS, 1953: 3 (Raroia). — MORRISON, 1954: 13 (Raroia). — FOREST & GUINOT, 1962: 56 (Biogeography "Tahiti-Tuamotu"; Marquesas). — GUINOT, 1985: 448 (List).

## FAMILY RANINIDAE

***Notosceles chimmonis* Bourne, 1922**

DISTRIBUTION. — Marquesas (Eiao) - *Sublittoral to deep*.

REFERENCES. — *Notosceles chimmonis* - POUPIN, 1996: in press (Eiao; 54-101m).

REMARK. — Species known between 45-52 m (SERÈNE & UMALI, 1972), 75-90m (RIBES, 1989), and up to 450m (MONOD, 1975).

***Ranina ranina* (Linné, 1758)**

DISTRIBUTION. — Marquesas (Eiao, Fatu Hiva, Nuku Hiva) - *Sublittoral*.



REFERENCES. — *Ranina ranina* - GUINOT, 1985: 449 (List; certainly after the following dry specimen: MNHN n°223 "Nouhiva" = Nuku Hiva) - NEW MATERIAL - Coll. and det. J. POUPIN (Eiao, Fatu Hiva; juveniles, 100m).

#### FAMILY CALAPPIDAE

##### *Ashtoret lunaris* (Forskål, 1775)

DISTRIBUTION. — Marquesas (Nuku Hiva).

REFERENCES. — *Matuta banksii* - RATHBUN, 1907: 68 (Nuku Hiva). — GUINOT, 1985: 453 (List). — *Ashtoret lunaris* - GALIL & CLARK, 1994: 5, fig. 1a-b, pl. 1a-b (Syn.) - SYNONYMS - *Matuta banksi* Leach, 1817.

##### *Ashtoret picta* (Hess, 1865)

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Matuta picta* - POUPIN, 1994a: 27, fig. 23, pl. 3b (Tahiti). — *Ashtoret picta* - GALIL & CLARK, 1994: 18, fig. 3c-d, pl. 6a-b (Tahiti).

REMARK. — In the revision of the genus *Matuta* by GALIL & CLARK (1994), the location "Tahiti", that should appear under *Ashtoret picta*, is erroneously mentioned under *Ashtoret granulosa* (Miers, 1877), species still unknown from French Polynesia (GALIL, personal communication).

##### *Calappa calappa* (Linné, 1758)

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Calappa calappa* - MONTEFORTE, 1984: 173, annex 1, tab. a (Tahiti; MONTEFORTE's material verified in the CRIOBE collections, Moorea). — GUINOT, 1985: 449 (List).

##### *Calappa hepatica* (Linné, 1758)

DISTRIBUTION. — Gambier (Mangareva); Marquesas (Nuku Hiva); Society (Bora Bora, Moorea, Tahiti); Tuamotu (Hao, Hikueru, Marutea North?, Marutea South, Mataiva, Moruroa, Takapoto).

REFERENCES. — *Calappa hepatica* - NOBILL, 1907: 378 ("Gatavake" = Mangareva, Hao, Marutea = Marutea North?, Marutea South). — RATHBUN, 1907: 67 (Bora Bora). — PESTA, 1913: 37 (Tahiti). — BOONE, 1934: 32, pl. 8-10 (Nuku Hiva). — SEURAT, 1934: 59, 60 (Hao, Marutea South). — CHABOUIS L. & F., 1954: 92, unnumbered fig. (French Polynesia). — FOREST & GUINOT, 1961: 11, fig. 1a-b, 2 (Hikueru; Syn.); 1962: 56 (Biogeography "Tahiti-Tuamotu; Marquesas"). — MONTEFORTE, 1984: 173, annex 1, tab. a, photograph p. 140c (Mataiva, Moorea, Tahiti, Takapoto); 1987: 8 (Moorea). — DELESALLE, 1985: 288 (Mataiva). — GUINOT, 1985: 449 (List). — POUPIN, 1994a: 26, fig. 22, pl. 3a (Hikueru, Moruroa, Tahiti). — *Calappa tuberculata* - HELLER, 1865: 69 (Tahiti) - SYNONYMS - *Calappa tuberculata* Fabricius, 1798.

##### *Matuta victor* (Fabricius, 1781)

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Matuta victor* - HELLER, 1865: 69 (Tahiti). — GALIL & CLARK, 1994: 39, fig. 7a-b, pl. 13a-b (cf. Remark).

REMARK. — HELLER's reference is not mentioned in the revision by GALIL & CLARK (1994). These authors consider that the eastern distribution of this species is limited to the Fiji. Thus, the revision of HELLER's material would be important to confirm the presence of *Matuta victor* in French Polynesia.



## FAMILY LEUCOSIIDAE

***Ebaliopsis erosa* (A. Milne Edwards, 1874)**

DISTRIBUTION. — Gambier; Tuamotu (Marutea South).

REFERENCES. — *Ebaliopsis erosa* - NOBILI, 1907: 378 (Marutea). — *Ebaliopsis erosa* - FOREST & GUINOT, 1962: 56 (Biogeography "Tahiti-Tuamotu"). — SERÈNE, 1977: 55, fig. 5-6 (Gambier). — GUINOT, 1985: 453 (List).

***Heteronucia venusta* Nobili, 1906**

DISTRIBUTION. — Society (Moorea); Tuamotu (Fakahina, Fakarava, Hao, Tikehau).

REFERENCES. — *Heteronucia venusta* Nobili, 1906a: 260; 1907: 379, pl. 5, fig. 14 ("Ohura" = Hao). — FOREST & GUINOT, 1961: 13, fig. 3a-b, 4, pl. 5, fig. 1-2 (Fakahina; Syn.); 1962: 56 (Biogeography "Tahiti-Tuamotu"). — PEYROT-CLAUSADE, 1977a, annex of the species: 25; 1977b: 212 (Moorea); 1989: 113 (Tikehau). — GUINOT, 1985: 453 (List). — *Nucia gelida* Rathbun, 1907: 68, pl. 5, fig. 4, pl. 9, fig. 2 (Fakarava). — GUINOT, 1985: 453 (List).

***Nucia rosea* Nobili, 1906**

DISTRIBUTION. — Gambier (Mangareva).

REFERENCES. — *Nucia rosea* Nobili, 1906a: 261; 1907: 381 (Mangareva). — FOREST & GUINOT, 1962: 56 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 453 (List).

***Nursia mimetica* Nobili, 1906**

DISTRIBUTION. — Gambier (Mangareva).

REFERENCES. — *Nursia mimetica* Nobili, 1906a: 261; 1907: 380, pl. 5, fig. 13 (Mangareva). — FOREST & GUINOT, 1962: 56 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 453 (List).

## FAMILY MAJIDAE

***Acanthophrys cristimanus* A. Milne Edwards, 1865**

DISTRIBUTION. — Marquesas (Nuku Hiva).

REFERENCES. — *Acanthophrys cristimanus* A. Milne Edwards, 1865a: 141, pl. 5, fig. 3 (Nuku Hiva). — GRIFFIN & TRANTER, 1986: 105 (cf. Remark).

REMARK. — GRIFFIN & TRANTER (1986) have re-established the validity of the genus *Acanthophrys*, formerly transferred in *Hyastenus*, and *Acanthophrys cristimanus* is the type species of the genus.

***Camposcia retusa* Latreille, 1829**

DISTRIBUTION. — Tuamotu (Fangataufa) - Littoral to deep?

REFERENCES. — *Camposcia retusa* - GUINOT, 1985: 452, with a ? (List) - NEW MATERIAL - Coll. and det. J. POUPIN (Fangataufa; 220m, cf. Remark).

REMARK. — The presence of this species in French Polynesia, only inferred by GUINOT because of its large distribution, is here confirmed by one specimen, collected at an unusual depth.

***Cyclax suborbicularis* (Stimpson, 1858)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Cyclax suborbicularis* - FOREST & GUINOT, 1961: 15, fig. 5-6, 8 bis, 10, pl. 6, fig. 1-2 (Tahiti); 1962: 56 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 452 (List).



***Huenia proteus* de Haan, 1839**

DISTRIBUTION. — Society (Moorea).

REFERENCES. — *Huenia proteus* - KROPP & BIRKELAND, 1981: 630, tab. 5 (Moorea). — GUINOT, 1985: 452 (List).

***Hyastenus* aff. *borradailei* (Rathbun, 1907)**

DISTRIBUTION. — Society (Moorea).

REFERENCES. — *Hyastenus* aff. *borradaeilli* (sic) - PEYROT-CLAUSADE, 1989: 115 (Moorea).

***Menaethius monoceros* (Latreille, 1825)**

DISTRIBUTION. — Marquesas; Society (Moorea, Tahiti); Tuamotu (Fakarava, Hao, Raroia, Takapoto, Tikehau) - *Littoral to sublittoral* (30m).

REFERENCES. — *Menaethius tuberculatus* Dana, 1852b: 123; 1855, pl. 5, fig. 1a-c (Tuamotu). — *Menaethius monoceros* - NOBILI, 1907: 382 ("Ohura" = Hao). — RATHBUN, 1907: 64 (Fakarava). — HOLTHUIS, 1953: 4 (Raroia). — FOREST & GUINOT, 1961: 14, fig. 9a-b (Tahiti; Syn.); 1962: 56 (Biogeography "Tahiti-Tuamotu, Marquesas"). — PEYROT-CLAUSADE, 1977a, annex of the species: 25 (Moorea); 1977b: 212; 1989: 112, 115 (Moorea, Tikehau; 30m). — ODINETZ, 1983: 208 (Moorea, Tahiti, Takapoto). — GUINOT, 1985: 452 (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Moorea and/or Tahiti, Takapoto).

***Micippa margaritifera* Henderson, 1893**

DISTRIBUTION. — Tuamotu (Tikehau).

REFERENCES. — *Micippa* (sic) *margaritifera* - PEYROT-CLAUSADE, 1989: 112 (Tikehau).

***Micippa parca* Alcock, 1895**

DISTRIBUTION. — Tuamotu (Makemo).

REFERENCES. — *Lophomicippa limbata* Rathbun, 1907: 65, pl. 5, fig. 3, pl. 6, fig. 1, 1g (Makemo). — FOREST & GUINOT, 1962: 58 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 452 (List). — *Micippa parca* - GRIFFIN & TRANTER, 1986: 277 (Syn.).

***Micippoides angustifrons* A. Milne Edwards, 1873**

DISTRIBUTION. — Tuamotu (Raroia).

REFERENCES. — *Micippoides angustifrons* - HOLTHUIS, 1953: 5 (Raroia). — MORRISON, 1954: 13 (Raroia). — FOREST & GUINOT, 1962: 56 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 452 (List).

***Perinea tumida* Dana, 1851**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Fakarava, Takapoto, Tikehau).

REFERENCES. — *Perinea tumida* - RATHBUN, 1907: 65 (Fakarava). — FOREST & GUINOT, 1962: 56 (Biogeography "Tahiti-Tuamotu"). — PEYROT-CLAUSADE, 1977a, annex of the species: 25; 1977b: 212 (Moorea); 1989: 112, 115 (Moorea, Tikehau). — KROPP & BIRKELAND, 1981: 630, tab. 5 (Moorea, Takapoto). — ODINETZ, 1983: 208 (Moorea, Tahiti, Takapoto). — GUINOT, 1985: 453 (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Moorea and/or Tahiti, Takapoto).

***Schizophrys aspera* (H. Milne Edwards, 1834)**

DISTRIBUTION. — French Polynesia.

REFERENCES. — *Schizophrys aspera* - GUINOT, 1985: 453, with a ? (List).

REMARK. — Cited by GUINOT, only because of the large distribution of the species (see SAKAI, 1976, or DAI & YANG, 1991: Japon, Hawaii, ... Australia).



***Simocarcinus obtusirostris* (Miers, 1879)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Trigonothir obtusirostris* - FOREST & GUINOT, 1961: 14 (Tahiti); 1962: 56 (Biogeography "Tahiti-Tuamotu"). — *Simocarcinus obtusirostris* - GUINOT, 1985: 453 (List). — GRIFFIN & TRANTER, 1986: 98 (Syn.).

***Tylocarcinus dumerilii* (H. Milne Edwards, 1834)**

DISTRIBUTION. — Gambier (Mangareva); Tuamotu (Hao).

REFERENCES. — *Tylocarcinus gracilis* - NOBILI, 1907: 382 (Hao, Mangareva). — FOREST & GUINOT, 1962: 56 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 453 (List). — *Tylocarcinus dumerilii* - GRIFFIN & TRANTER, 1986: 197, fig. 67a-b (Syn.) - SYNONYMS - *Tylocarcinus gracilis* Miers, 1879.

## FAMILY PARTHENOPIDAE

***Actaeomorpha alvae* Boone, 1934**

DISTRIBUTION. — Society (Raiatea).

REFERENCES. — *Actaeomorpha alvae* Boone, 1934: 37 pl. 11 (Raiatea). — FOREST & GUINOT, 1962: 56 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1966b: 759 (cf. Remark); 1985: 453 (List).

REMARK. — According to the drawing published by BOONE (1934), GUINOT (1966b) considers that this species could possibly be, either *Actaeomorpha erosa* Miers, 1878, or *A. punctata* Edmonson, 1935.

We keep here the genus *Actaeomorpha* in the Parthenopidae, but GUINOT (1966b, 1967), in her study of the genera *Aethra* (cf. hereafter *A. scruposa*), *Osachila*, *Hepatus*, *Hepatella* and *Actaeomorpha*, has modified this usual classification and placed these genera in a group *Incertae sedis* Parthenoxystomata (cf. GUINOT's, 1985 List).

***Aethra scruposa* (Linné, 1764)**

DISTRIBUTION. — Society.

REFERENCES. — *Aethra scruposa* - GUINOT, 1985: 453, with a ? (Society; listed only according to the large distribution of the species, without material from French Polynesia).

***Daldorfia horrida* (Linné, 1758)**

DISTRIBUTION. — Gambier (Mangareva); Society (Tahiti); Tuamotu (Fangatau, Hao, Mataiva).

REFERENCES. — *Parthenope horrida* - NOBILI, 1907: 382 ("Fagatau" = Fangatau, Hao, Mangareva). — SEURAT, 1934: 60 ("Fagatau" = Fangatau, Gambier, Hao). — CHABOUIS L. & F., 1954: 91, fig. 7 (Tahiti, Tuamotu). — FOREST & GUINOT, 1961: 26, fig. 14 (Tahiti); 1962: 58 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 174, annex 1, tab. a (Mataiva). — GUINOT, 1985: 453 (List). — *Daldorfia horrida* - SAKAI, 1976: 283, pl. 96, fig. 2, text-fig. 157 (Syn.).

***Parthenope contrarius* (Herbst, 1796)**

DISTRIBUTION. — Marquesas (Eiao) - *Sublittoral*.

REFERENCES. — *Parthenope contrarius* - NEW MATERIAL - Coll. and det. J. POUPIN (Eiao; 42m).

REMARK. — This new material (1 ♀ and 3 juveniles, *Marara* st. D38) agrees very well with the description and the good photograph published by RATHBUN (1906: 885, pl. 17, fig. 1), under *Parthenope (Rhinolambrus) lamelligera* (White, 1847). According to SAKAI (1976: 273) WHITE's species is a synonym of *P. (Rhinolambrus) pelagicus* (Rüppell, 1830), but RATHBUN's material belongs to *P. contrarius*.

***Parthenope hoplonotus* (Adams & White, 1848)**

DISTRIBUTION. — Society (Tahiti).



REFERENCES. — *Aulacolambrus hoplonotus* - FOREST & GUINOT, 1961: 26, fig. 12a-c, 13 (Tahiti); 1962: 58 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 453 (List). — *Parthenope (Aulacolambrus) hoplonotus* - SAKAI, 1976: 280 (Syn.)

#### FAMILY EUMEDONIDAE

##### *Echinoecus pentagonus* (A. Milne Edwards, 1879)

DISTRIBUTION. — Tuamotu (Hao, Raroia).

REFERENCES. — *Eumedon convictor* Bouvier & Seurat, 1905: 629 (Hao). — NOBILI, 1907: 382 (Hao). — SEURAT, 1934: 58 (Hao). — *Eumedonus convictor* - HOLTHUIS, 1953: 6 (Raroia). — MORRISON, 1954: 6 (Raroia) — *Echinoecus pentagonus* - SERÈNE *et al.*, 1958: 152 (Syn.). — GUINOT, 1985: 453 (List). — *Eumedonus pentagonus* - FOREST & GUINOT, 1962: 58 (Biogeography "Tahiti-Tuamotu").

#### FAMILY PORTUNIDAE

##### SUBFAMILY CATOPTRINAE

##### *Carupa tenuipes* Dana, 1852

DISTRIBUTION. — Gambier (Akamaru); Society (Huahine, Maiao?, Moorea, Tahiti); Tuamotu (Makatea, Makemo, Marutea South, Pukapuka, Raroia, Tikehau).

REFERENCES. — *Carupa tenuipes* Dana, 1852a: 85 (Tuamotu); 1852b: 279; 1855, pl.17, fig. 4a-e ("Paumotu archipelago?"). — A. MILNE EDWARDS, 1861: 386 (Tuamotu; DANA's material). — STEPHENSON & REES, 1967: 5 (Huahine, Moorea, Maiai = Maiao?, "Tickahau" = Tikehau). — SAKAI, 1976: 325 (Syn.). — STEPHENSON, 1976: 12 (Pukapuka). — MONTEFORTE, 1984: 173, annex 1, tab. a (Makatea, Moorea); 1987: 8 (Moorea). — GUINOT, 1985: 449 (List). — *Carupa laeviuscula* Heller, 1862: 520 ("Tarti" = Tahiti); 1865: 27, pl.3, fig. 2 (Tahiti). — NOBILI, 1907: 386 (Akamaru, "Marutea-Vaitutaki" = Marutea South). — RATHBUN, 1907: 64 (Makemo). — HOLTHUIS, 1953: 9 (Raroia). — MORRISON, 1954: 13 (Raroia). — FOREST & GUINOT, 1962: 58 (Biogeography "Tahiti-Tuamotu") - NEW MATERIAL - coll. C. HILY, det. K. MOOSA (Tikehau).

##### *Catoprus nitidus* A. Milne Edwards, 1870

DISTRIBUTION. — Marquesas (Eiao); Society (Huahine); Tuamotu (Makemo, Tikehau) - *Sublittoral*.

REFERENCES. — *Catoprus nitidus* - RATHBUN, 1907: 60 (Makemo). — FOREST & GUINOT, 1962: 58 (Biogeography "Tahiti-Tuamotu"). — STEPHENSON, 1972: 29 (Syn.). — GUINOT, 1985: 449 (List). — *Libystes truncatifrons* - STEPHENSON & REES, 1967: 6 ("Maroe" = Huahine, "Tickahau" = Tikehau) - NEW MATERIAL - Coll. J. POUPIN, det. K. MOOSA (Eiao; 42m) - SYNONYMS - *Libystes truncatifrons* (de Man, 1887).

##### SUBFAMILY CAPHYRINAE

##### *Caphyra rotundifrons* (A. Milne Edwards, 1869)

DISTRIBUTION. — Society (Bora Bora, Tahiti).

REFERENCES. — *Caphyra rotundifrons* - RATHBUN, 1907: 60, pl. 1, fig. 4 (Tahiti). — FOREST & GUINOT, 1962: 58 (Biogeography "Tahiti-Tuamotu"). — STEPHENSON & REES, 1967: 7 (Bora Bora, "Mata Uta Papeete" = Tahiti). — GUINOT, 1985: 449 (List).



***Caphyra tridens* Richters, 1880**

DISTRIBUTION. — Gambier (Mangareva).

REFERENCES. — *Caphyra rotundifrons* var. *tridens* Richters - NOBILI, 1907: 386 ("Rikitea, Teone Kura" = Mangareva). — *Caphyra tridens* - CROSNIER, 1975: 747, fig. 3a-n (Mangareva).

***Lissocarcinus elegans* Boone, 1934**

DISTRIBUTION. — Society (Raiatea).

REFERENCES. — *Lissocarcinus elegans* Boone, 1934: 50, pl. 16 (Raiatea). — FOREST & GUINOT, 1962: 58 (Biogeography "Tahiti-Tuamotu"). — STEPHENSON, 1972: 27 (Distribution; French Polynesia only). — GUINOT, 1985: 449 (List).

***Lissocarcinus laevis* Miers, 1886**

DISTRIBUTION. — Marquesas (Eiao, Hiva Oa, Nuku Hiva) - *Sublittoral*.

REFERENCES. — *Lissocarcinus laevis* - STEPHENSON, 1976: 12 (Nuku Hiva) - NEW MATERIAL - Coll. J. POUPIN, det. K. MOOSA (Eiao, Hiva Oa; 42-53m).

***Lissocarcinus orbicularis* Dana, 1852**

DISTRIBUTION. — Society (Huahine, Moorea, Raiatea, Tahiti); Tuamotu (Hikueru, Moruroa, Tikehau).

REFERENCES. — *Lissocarcinus orbicularis* - FOREST & GUINOT, 1961: 27, fig. 15a-b, 16a-c (Hikueru); 1962: 58 (Biogeography "Tahiti-Tuamotu"). — STEPHENSON & REES, 1967: 7 (Huahine, Raiatea, "Tikahau" = Tikehau). — STEPHENSON, 1976: 12 (Moorea). — CHEVALIER *et al.*, 1968: 112, 137 (Moruroa). — MONTEFORTE, 1984: 173, annex 1, tab. a (Tahiti). — GUINOT, 1985: 449 (List). — PEYROT-CLAUSADE, 1989: 113 (Tikehau).

## SUBFAMILY PORTUNINAE

***Charybdis annulata* (Fabricius, 1798)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Goniosoma annulatum* (Fabricius) - ORTMANN, 1893a: 82 (Tahiti). — *Charybdis annulata* - FOREST & GUINOT, 1962: 58 (Biogeography "Tahiti-Tuamotu"). — *Charybdis (Charybdis) annulata* - CROSNIER, 1962: 78, fig. 136-139, pl. 5, fig. 2 (Distribution only, Tahiti). — GUINOT, 1985: 449, with a ? (List).

***Charybdis erythroductyla* (Lamarck, 1818)**

DISTRIBUTION. — Austral (Rurutu); Marquesas (Nuku Hiva); Society (Bora Bora, Moorea, Tahiti); Tuamotu (Fangataufa, Hikueru, Makatea, Mataiva, Moruroa, Raroia, Taiaro, Takapoto).

REFERENCES. — *Goniosoma erythroductylum* - A. MILNE EDWARDS, 1861: 369 (Marquesas). — DE MAN, 1889: 424 (Tahiti). — ORTMANN, 1893a: 81 (Marquesas). — *Charybdis erythroductyla* - NOBILI, 1906b: 118, fig. 3 (Nuku Hiva). — SENDLER, 1923: 40 (Makatea). — BOONE, 1934: 57, pl. 18-19 (Tahiti). — LEENE, 1936: 117, fig. 1-5 (Marquesas, Makatea). — HOLTHUIS, 1953: 6 (Raroia). — MORRISON, 1954: 16 (Raroia). — FOREST & GUINOT, 1961: 30 (Hikueru); 1962: 58 (Biogeography "Tahiti-Tuamotu, Marquesas"). — GUINOT, 1966a: 48 (Raroia). — CHEVALIER *et al.*, 1968: 92, 137 (Fangataufa). — MONTEFORTE, 1984: 173, annex 1, tab. a, photograph p. 140(b) (Makatea, Mataiva, Takapoto). — DELESALLE, 1985: 289 (Mataiva). — SALVAT, 1986b: 72, photograph (French Polynesia). — *Charybdis (Goniosupradens) erythroductyla* - LEENE, 1938: 134, fig. 77-80 (Marquesas). — STEPHENSON & REES, 1967: 13 (Bora Bora, Moorea). — STEPHENSON, 1976: 15 ("Taiohae" = Nuku Hiva). — GUINOT, 1985: 449 (List). — POUPIN 1994a: 29, fig. 25, pl. 3d (Rurutu, Taiaro) - NEW MATERIAL - Coll. and det. J. POUPIN (Moruroa).

***Charybdis hawaiiensis* Edmonson, 1954**

DISTRIBUTION. — Tuamotu (Taiaro).



REFERENCES. — *Charybdis (Charybdis) hawaiiensis* - POUPIN, 1994a: 28, fig. 24, pl. 3c (Taiaro).

***Charybdis orientalis* Dana, 1852**

DISTRIBUTION. — Society.

REFERENCES. — *Charybdis (Charybdis) orientalis* - LEENE, 1938: 69 (Society; cf. Remark).

REMARK. — Although LEENE (1938) does not mention clearly the location "Society", she indicates that F. CHACE has examined, for her, in the USNM collections, a male from the Society Islands attributed to *C. orientalis* (confronted with the type specimen).

***Charybdis paucidentata* A. Milne Edwards, 1861**

DISTRIBUTION. — Marquesas (Hiva Oa, Tahuata); Tuamotu (Taiaro) - *Littoral to sublittoral*.

REFERENCES. — *Charybdis (Gonioinfradens) paucidentata* - POUPIN, 1994a: 30, fig. 26, pl. 3e (Hiva Oa, Tahuata, Taiaro; 0-100m); 1996: in press (Hiva Oa, Tahuata).

***Lupocyclus quinquedentatus* Rathbun, 1906**

DISTRIBUTION. — Austral (Maria, Rurutu); Marquesas (Nuku Hiva); Society (Bora Bora) - *Sublittoral to deep*.

REFERENCES. — *Lupocyclus quinquedentatus* - STEPHENSON, 1976: 15 ("Hatwata" = Haatuatua bay, Nuku Hiva) - NEW MATERIAL - Coll. J. POUPIN, det. K. MOOSA (Bora Bora, Maria, Rurutu; 80-110m).

***Portunus alexandri* (Rathbun, 1907)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Callinectes alexandri* Rathbun, 1907: 61, pl. 2, fig. 1, pl. 9, fig. 3, 3a-b (Tahiti). — GUINOT, 1985: 449 (List).

REMARK. — This portunid has been described from Tahiti, with a paratype from "Suva, Fidjis". According to STEPHENSON (1976: 13), it is in fact a non-identifiable *Portunus*.

***Portunus dubius* (Laurie, 1906)**

DISTRIBUTION. — Marquesas (Eiao, Fatu Hiva, Hiva Oa, Nuku Hiva, Tahuata) - *Sublittoral to deep*.

REFERENCES. — *Portunus dubius* - STEPHENSON, 1976: 16 (Marquesas; numerous stations without precisions) - NEW MATERIAL - Coll. J. POUPIN, det. K. MOOSA (Eiao, Fatu Hiva, Hiva Oa, Nuku Hiva, Tahuata; 42-140m).

***Portunus granulatus* (H. Milne-Edwards, 1834)**

DISTRIBUTION. — Gambier (Mangareva); Marquesas (Nuku Hiva); Society (Bora Bora, Moorea, Tahiti); Tuamotu (Fakarava, Raroia, Tikehau).

REFERENCES. — *Neptunus (Achelous) granulatus* - ORTMANN, 1893a: 72 (Tahiti). — NOBILI, 1907: 383 ("Rikitea" = Mangareva). — BOONE, 1934: 60, pl. 20 (Nuku Hiva). — SEURAT, 1934: 59 (Mangareva). — *Portunus (Achelous) granulatus* - RATHBUN, 1907: 60 (Bora Bora, Fakarava). — SENDLER, 1923: 40 (Tahiti). — *Portunus (Cycloachelous) granulatus* - HOLTHUIS, 1953: 6 (Raroia). — MORRISON, 1954: 7 (Raroia). — GUINOT, 1985: 449 (List). — *Portunus granulatus* - FOREST & GUINOT, 1962: 58 (Biogeography "Tahiti-Tuamotu, Marquesas"). — STEPHENSON & REES, 1967: 25 (Moorea, Tuamotu). — TÜRKAY, 1971: 127 (Tahiti). — STEPHENSON, 1976: 16 (Tahiti). — MONTEFORTE, 1984: 173, annex 1, tab. a (Moorea, Tahiti); 1987: 8 (Moorea) - NEW MATERIAL - Coll. C. HILY, det. K. MOOSA (Tahiti, Tikehau).

***Portunus guinotae* Stephenson & Rees, 1961**

DISTRIBUTION. — Tuamotu (Marutea South).

REFERENCES. — *Portunus guinotae* Stephenson & Rees, 1961: 425, fig. 1b, d, g, 2d-f (Marutea South). — FOREST & GUINOT, 1962: 58 (Biogeography "Tahiti-Tuamotu"). — STEPHENSON, 1972: 39 (Marutea South). — *Portunus (Xiphonectes) guinotae* - GUINOT, 1985: 449 (List).



***Portunus iranjae* Crosnier, 1962**

DISTRIBUTION. — Marquesas (Eiao, Fatu Hiva, Hiva Oa, Tahuata); Society (Moorea) - *Littoral to sublittoral*.

REFERENCES. — *Portunus iranjae* - STEPHENSON & REES, 1967: 30 ("Papetoai bay" = Moorea). — STEPHENSON, 1976: 16 ("Marquesas expedition, st. THX" = Haava strait, between Tahuata and Hiva Oa, cf. HARALD, 1967). — *Portunus (Xiphonectes) iranjae* - GUINOT, 1985: 449 (List) - NEW MATERIAL - Coll. J. POUPIN, det. K. MOOSA (Eiao, Fatu Hiva, Hiva Oa, Tahuata; 54m).

***Portunus longispinosus* (Dana, 1852)**

DISTRIBUTION. — Marquesas (Hiva Oa, Tahuata); Tuamotu (Marutea South, Raroia).

REFERENCES. — *Neptunus (Hellenus) longispinosus* - NOBILI, 1907: 383 (Marutea South). — *Portunus (Hellenus) longispinosus* - HOLTHUIS, 1953: 7 (Raroia). — MORRISON, 1954: 8 (Raroia). — *Portunus longispinosus* - FOREST & GUINOT, 1962: 58 (Biogeography "Tahiti-Tuamotu"). — STEPHENSON, 1976: 16 ("Marquesas expedition st. THX, haul 5" = Haava strait, between Tahuata and Hiva Oa, cf. HARALD, 1967). — *Portunus (Xiphonectes) longispinosus* - GUINOT, 1985: 449 (List).

REMARK. — This species can be confused with all the species belonging to the *longispinosus* complex, as *Portunus iranjae* and *P. macrophthalmus* (cf. STEPHENSON & REES, 1967; STEPHENSON, 1976; and NAGAI, 1981).

***Portunus macrophthalmus* Rathbun, 1906**

DISTRIBUTION. — Marquesas (Eiao, Hiva Oa) - *Sublittoral*.

REFERENCES. — *Portunus macrophthalmus* - NEW MATERIAL - Coll. J. POUPIN, det. K. MOOSA (Eiao, Hiva Oa; 42-53m).

***Portunus nipponensis* Sakai, 1938**

DISTRIBUTION. — Tuamotu (Moruroa) - *Sublittoral to deep*.

REFERENCES. — *Portunus nipponensis* - POUPIN *et al.* 1990: 17 (French Polynesia). — POUPIN, 1996: in press *pro parte* (Moruroa; cf. Remark).

REMARK. — This species is usually found in shallow waters (15-50m) but, in French Polynesia, it has been trapped up to 130m. Except for Moruroa, the localities mentioned in POUPIN (1996) concerned in fact a new species, related to *P. nipponensis*, but with a distinct male pleopod (MOOSA & CROSNIER, in study).

***Portunus orbitosinus* Rathbun, 1911**

DISTRIBUTION. — Marquesas (Eiao) - *Sublittoral*.

REFERENCES. — *Portunus orbitosinus* - NEW MATERIAL - Coll. J. POUPIN, det. K. MOOSA (Eiao; 42m).

***Portunus pelagicus* (Linné, 1758)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Neptunus pelagicus* - HELLER, 1865: 27 (Tahiti). — *Portunus pelagicus* - FOREST & GUINOT, 1962: 58 (Biogeography "Tahiti-Tuamotu"). — STEPHENSON, 1972: 41 (Distribution only, Tahiti). — *Portunus (Portunus) pelagicus* - GUINOT, 1985: 449 (List).

REMARK. — Although this species has often been reported from Tahiti (BOONE, 1934; STEPHENSON & CAMPBELL, 1959; CROSNIER, 1962; STEPHENSON & REES, 1967; STEPHENSON, 1972; SAKAI, 1976; DAI & YANG, 1991), it seems that the single material examined from this locality is mentioned in HELLER (1865). It would thus be very interesting to check this reference.

***Portunus sanguinolentus* (Herbst, 1783)**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Mataiva).

REFERENCES. — *Neptunus sanguinolentus* - CHABOUIS L. & F., 1954: 91, fig. 9 (French Polynesia). — *Portunus sanguinolentus* - FOREST & GUINOT, 1961: 29, fig. 17a-b, 18 (Tahiti); 1962: 58 (Biogeography "Tahiti-Tuamotu"). —



MONTEFORTE, 1984: 173, annex 1, tab. a (Moorea). — SALVAT, 1986b: 72 (French Polynesia). — POUPIN, 1994a: 31, fig. 27, pl. 3f (Mataiva, Tahiti). — *Portunus sanguinolentus sanguinolentus* - STEPHENSON, 1976: 19 (Tahiti). — *Portunus (Portunus) sanguinolentus* - GUINOT, 1985: 449 (List).

### *Scylla serrata* (Forskål, 1775)

DISTRIBUTION. — Society (Huahine, Raiatea, Tahiti, Tupai) - *Brackish to sea water*.

REFERENCES. — *Scylla serrata* - HELLER, 1865: 27 (Tahiti). — MIERS, 1886: 185 (Tahiti). — BOONE, 1934: 68, pl. 25-30 (Huahine, Tahiti). — SEURAT, 1934: 58 (Tahiti). — CHABOUIS L. & F., 1954: 90, unnumbered fig. (Huahine, Raiatea). — FOREST & GUINOT, 1961: 27 (Tahiti); 1962: 58 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1966a: 48 (Society); 1985: 449 (List). — BABLET, 1972: 32, pl. 11 (French Polynesia). — SALVAT, 1986b: 70, 72 (French Polynesia) - NEW MATERIAL - Coll. J. POUPIN, det. K. MOOSA (Raiatea, Tupai).

### *Thalamita admete* (Herbst, 1803)

DISTRIBUTION. — Gambier (Mangareva); Marquesas?; Society (Bora Bora, Huahine, Moorea, Raiatea, Tahiti); Tuamotu (Fakarava, Hikueru, Kaukura, Makemo, Mataiva, Takapoto, Tikehau).

REFERENCES. — *Thalamita admete* - HELLER, 1865: 28 (Tahiti). — ORTMANN, 1893a: 83 (Tahiti). — NOBILI, 1907: 383 (Kaukura, Mangareva). — RATHBUN, 1907: 63 (Fakarava, Makemo). — FOREST & GUINOT, 1961: 30, fig. 19a-b (Hikueru, Tahiti); 1962: 58 (Biogeography "Tahiti-Tuamotu, Marquesas" with a ?). — STEPHENSON & REES, 1967: 56, fig. 20 (Bora Bora, Huahine, Moorea, Raiatea, Tahiti, "Tikahau" = Tikehau). — NAIM, 1980a, annex 1, tab. 3 (Moorea). — MONTEFORTE, 1984: 173, annex 1, tab. a (Mataiva, Moorea, Tahiti, Takapoto); 1987: 8 (Moorea). — DELESALLE, 1985: 288 (Mataiva). — *Thalamita (Thalamita) admete* - GUINOT, 1985: 449 (List).

### *Thalamita bouvieri* Nobili, 1906

DISTRIBUTION. — Gambier (Mangareva).

REFERENCES. — *Thalamita bouvieri* Nobili, 1906a: 262; 1907: 384, pl. 2, fig. 2 ("Rikitea" = Mangareva). — SEURAT, 1934: 60 (French Polynesia). — CROSNIER, 1962: 119, fig. 201-204, pl. 10, fig. 2 (Mangareva; syntypes). — FOREST & GUINOT, 1962: 60 (Biogeography "Tahiti-Tuamotu"). — *Thalamita (Pseudothalamitopsis) bouvieri* - GUINOT, 1985: 449 (List; subgenus from MOOSA, 1979: 47) - RELEVANT MATERIAL - *Thalamitoïdes (sic)* aff. *bouvieri* - PEYROT-CLAUSADE, 1989: 113 (Tikehau).

### *Thalamita chaptalii* (Audouin, 1826)

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Thalamita chaptalii* - FOREST & GUINOT, 1961: 34, fig. 21a-b (Tahiti); 1962: 60 (Biogeography "Tahiti-Tuamotu"). — *Thalamita (Neothalamita) chaptalii* - GUINOT, 1985: 449 (List; subgenus from MOOSA, 1979: 43).

### *Thalamita coerulipes* Jacquinet, 1852

DISTRIBUTION. — Gambier (Kamaka, Mangareva); Society (Bora Bora, Huahine, Tahiti); Tuamotu (Fakarava).

REFERENCES. — *Thalamita coerulipes* Jacquinet, 1852, pl. 5, fig. 6-10 (Mangareva). — JACQUINOT & LUCAS, 1853: 53 (Mangareva). — A. MILNE EDWARDS, 1861: 363 (Mangareva). — NOBILI, 1907: 383 (Kamaka) — RATHBUN, 1907: 63 (Fakarava, Society). — BOONE, 1934: 78, pl. 35 (Bora Bora). — FOREST & GUINOT, 1961: 32 (Tahiti); 1962: 60 (Biogeography "Tahiti-Tuamotu"). — STEPHENSON & REES, 1967: 64 (Huahine). — POUPIN, 1994a: 32, fig. 28, pl. 3g (Kamaka, Mangareva, Tahiti, Tuamotu). — *Thalamita (Thalaminella) coerulipes* - GUINOT, 1985: 449 (List; subgenus from MOOSA, 1979: 51).

### *Thalamita cooperi* Borradaile, 1903

DISTRIBUTION. — Society (Moorea).

REFERENCES. — *Thalamita cooperi* - NAIM, 1980a: annex 1, tab. 3 (Moorea; material not found in MNHN).



***Thalamita corrugata* Stephenson & Rees, 1961**

DISTRIBUTION. — Tuamotu (Tikehau).

REFERENCES. — *Thalamita corrugata* - STEPHENSON & REES, 1967: 65, fig. 23 ("Tickahau" = Tikehau). — GUINOT, 1985: 449 (List).

***Thalamita crenata* (Latreille, 1829)**

DISTRIBUTION. — Marquesas; Society (Bora Bora, Maiao?, Moorea, Tahiti); Tuamotu (Mataiva, Takapoto, Tikehau).

REFERENCES. — *Thalamita crenata* - A. MILNE EDWARDS, 1861: 365 (Marquesas). — ORTMANN, 1893a: 86 (Marquesas). — RATHBUN, 1907: 62 (Bora Bora). — SEURAT, 1934: 59 (Marquesas). — FOREST & GUINOT, 1962: 60 (Biogeography "Tahiti-Tuamotu, Marquesas"). — STEPHENSON & REES, 1967: 66 ("Maiai" = Maiao?, "Tikahau" = Tikehau). — MONTEFORTE, 1984: 173, annex 1, tab. a (Mataiva, Moorea, Tahiti, Takapoto); 1987: 8 (Moorea). — SALVAT & RICHARD, 1985: 356, 362 (Takapoto) — *Thalamita (Thalaminella) crenata* - GUINOT, 1985: 449 (List; subgenus from MOOSA, 1979: 51) - NEW MATERIAL - Coll. C. HILY, det. K. MOOSA (Tahiti, Tikehau).

***Thalamita dakini* Montgomery, 1931**

DISTRIBUTION. — Society (Bora Bora, Moorea); Tuamotu (Makatea, Mataiva, Takapoto).

REFERENCES. — *Thalamita dakini* - STEPHENSON & REES, 1967: 69 (Bora Bora, Moorea). — MONTEFORTE, 1984: 173, annex 1, tab a (Makatea, Mataiva, Takapoto). — DELESALLE, 1985: 289 (Mataiva). — *Thalamita (Thalamitopsis) dakini* - GUINOT, 1985: 449 (List; subgenus from MOOSA, 1979: 47).

***Thalamita danae* Stimpson, 1858**

DISTRIBUTION. — French Polynesia.

REFERENCES. — *Thalamita danae* - NEW MATERIAL - Coll. PLESSIS, det. K. MOOSA (French Polynesia).

***Thalamita demani* Nobili, 1905**

DISTRIBUTION. — Marquesas (Nuku Hiva).

REFERENCES. — *Thalamita demani* - STEPHENSON, 1976: 20 ("Hatwata" = Haatuatua bay, Nuku Hiva).

***Thalamita edwardsi* Borradaile, 1900**

DISTRIBUTION. — Gambier (Mangareva, Temoe); Society (Tahiti).

REFERENCES. — *Thalamita admete* var. *Edwardsii* Borr. - NOBILI, 1907: 383 ("Rikitea" = Mangareva, "Timoe" = Temoe). — *Thalamita edwardsi* - FOREST & GUINOT, 1961: 32, fig. 20a-b (Tahiti); 1962: 58 (Biogeography "Tahiti-Tuamotu"). — *Thalamita edwardsi* - GUINOT, 1985: 449, with " = *T. admete* ?" (List; cf. Remark).

REMARK. — This species was formerly considered as a synonym of *Thalamita admete* by STEPHENSON & HUDSON (1957). This assertion is not followed by FOREST & GUINOT (1961), CROSNIER (1962) and DAI & YANG (1991).

***Thalamita gatavakensis* Nobili, 1906**

DISTRIBUTION. — Gambier (Mangareva); Society (Bora Bora, Tahiti).

REFERENCES. — *Thalamita pilumnoides* var. *gatavakensis* Nobili, 1906a: 262; 1907: 384 ("Gatavake" = Mangareva). — *Thalamita pilumnoides* ssp. *gatavakensis* - FOREST & GUINOT, 1961: 34, fig. 22a-b, 23-25 (Mangareva); 1962: 60 (Biogeography "Tahiti-Tuamotu"). — *Thalamita gatavakensis* - CROSNIER, 1962: 99, fig. 156a-c, e (Mangareva; syntypes). — STEPHENSON & REES, 1967: 75 (Bora Bora, Tahiti). — *Thalamita (Thalamita) gatavakensis* - GUINOT, 1985: 449 (List) - NEW MATERIAL - Coll. C. HILY, det. K. MOOSA (Tahiti).

***Thalamita gloriensis* Crosnier, 1962**

DISTRIBUTION. — Society (Huahine).



REFERENCES. — *Thalamita gloriensis* - STEPHENSON & REES, 1967: 76 (Huahine). — *Thalamita (Thalamita) gloriensis* - GUINOT, 1985: 449 (List).

***Thalamita gracilipes* (A. Milne Edwards, 1873)**

DISTRIBUTION. — Society (Tahiti); Tuamotu (Moruroa?).

REFERENCES. — *Thalamita gracilipes* - STEPHENSON, 1976: 21 (Tahiti) - RELEVANT MATERIAL - *Thalamonyx* aff. *gracilipes* - SALVAT & RENAUD-MORNANT, 1969: 165 (Moruroa). — *Thalamita (Thalamonyx)* aff. *gracilipes* - GUINOT, 1985: 449 (List).

***Thalamita integra* Dana, 1852**

DISTRIBUTION. — Gambier (Mangareva); Society (Tahiti); Tuamotu (Takapoto, Nukutipipi).

REFERENCES. — *Thalamita integra* Dana, 1852a: 85; 1852b: 281; 1855, pl. 17, fig. 6a-d (Tuamotu). — A. MILNE EDWARDS, 1861: 358 (Tahiti, Tuamotu). — NOBILI, 1907: 383 ("Gatavake" = Mangareva). — FOREST & GUINOT, 1962: 60 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 173, annex 1, tab. a (Takapoto). — SALVAT & RICHARD, 1985: 350 (Takapoto). — MERSCHARDT-SALVAT, 1991: 89 (Nukutipipi). — *Thalamita (Thalamita) integra* - GUINOT, 1985: 449 (List).

***Thalamita macropus* Montgomery, 1931**

DISTRIBUTION. — Austral (Neilson bank); Marquesas (Fatu Hiva) - *Sublittoral to deep*.

REFERENCES. — *Thalamita macropus* - NEW MATERIAL - Coll. B. RICHER DE FORGES and J. POUPIN, det. K. MOOSA (Neilson bank, Fatu Hiva; 49-100/130m).

***Thalamita macrospinifera* Rathbun, 1911**

DISTRIBUTION. — Austral (Rurutu); Marquesas (Eiao, Hiva Oa); Society (Raiatea); Tuamotu (Makemo, Moruroa) - *Sublittoral to deep*.

REFERENCES. — *Thalamita macrospinifera* - POUPIN, 1996: in press (Makemo, Raiatea; 120-160m) - NEW MATERIAL - Coll. J. POUPIN, det. K. MOOSA (Eiao, Hiva Oa, Makemo, Moruroa, Raiatea, Rurutu; 80-160m).

***Thalamita minuscula* Nobili, 1906**

DISTRIBUTION. — Tuamotu (Kaukura, Vahitahi).

REFERENCES. — *Thalamita minuscula* Nobili, 1906a: 262; 1907: 386, pl. 1, fig. 15 (Kaukura, Vahitahi). — FOREST & GUINOT, 1962: 60 (Biogeography "Tahiti-Tuamotu"). — STEPHENSON, 1972: 49 (List with "Only from Tuamotu Is."). — *Thalamita (Neothalamita) minuscula* - GUINOT, 1985: 449 (List; subgenus from MOOSA, 1979: 43).

REMARK. — This very small species (maximum width, 4mm), never recorded since its description, could be the juvenile of another species.

***Thalamita mitsiensis* Crosnier, 1962**

DISTRIBUTION. — Austral (Rurutu) - *Sublittoral*.

REFERENCES. — *Thalamita mitsiensis* - NEW MATERIAL - Coll. J. POUPIN, det. K. MOOSA (Rurutu; 80m).

***Thalamita philippinensis* Stephenson & Rees, 1967**

DISTRIBUTION. — Austral (Rurutu); Tuamotu (Moruroa) - *Sublittoral to deep*.

REFERENCES. — *Thalamita philippinensis* - NEW MATERIAL - Coll. J. POUPIN, det. K. MOOSA (Moruroa, Rurutu; 95-130m).

***Thalamita picta* Stimpson, 1858**

DISTRIBUTION. — Marquesas (Hiva Oa, Nuku Hiva, Tahuata); Gambier?; Society (Raiatea, Tahiti); Tuamotu (Fakarava, Makatea, Mataiva, Raroia, Takapoto).



REFERENCES. — *Goniosoma lineatum* A. Milne Edwards, 1861: 377, pl. 35, fig. 4 (Nuku Hiva) *fide* CROSNIER (1962: 138). — *Thalamita alcocki* - NOBILI, 1907: 384 ("Tagatau" = Gambier?). — *Thalamita gardineri* - RATHBUN, 1907: 63 (Fakarava, Makemo). — *Thalamita picta* - HOLTHUIS, 1953: 8 (Raroia). — MORRISON, 1954: 13 (Raroia). — FOREST & GUINOT, 1961: 33 (Tahiti; Syn.); 1962: 60 (Biogeography "Tahiti-Tuamotu"). — STEPHENSON, 1972: 50 (Syn.); 1976: 23 ("Hoava Strait" = Haava strait, between Tahuata and Hiva Oa, *cf.* HARALD, 1967). — MONTEFORTE, 1984: 173, annex 1, tab. a (Makatea, Mataiva, Takapoto). — DELESALLE, 1985: 289 (Mataiva). — *Thalamita (Neothalaminella) picta* - GUINOT, 1985: 449 (List; subgenus from MOOSA, 1979: 51) - NEW MATERIAL - Coll. J. POUPIN, det. K. MOOSA (Raiatea) - SYNONYMS - *Thalamita alcocki* de Man, 1902; *T. gardineri* Borradaile, 1902.

#### *Thalamita pilumnoides* Borradaile, 1903

DISTRIBUTION. — Society (Huahine, Moorea, Raiatea).

REFERENCES. — *Thalamita pilumnoides* - STEPHENSON & REES, 1967: 87, fig. 32 (Huahine, Moorea, Raiatea). — PEYROT-CLAUSADE, 1977a, annex of the species: 26; 1977b: 212 (Moorea). — MONTEFORTE, 1984: 173, annex 1, tab. a; 1987: 8 (Moorea). — *Thalamita (Neothalaminella) pilumnoides* - GUINOT, 1985: 449 (List; subgenus from MOOSA, 1979: 43).

#### *Thalamita prymna* (Herbst, 1803)

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Anaa).

REFERENCES. — *Thalamita prymna* - STEPHENSON, 1976: 23 (Anaa). — PEYROT-CLAUSADE, 1989: 115 (Moorea) - NEW MATERIAL - Coll. J. POUPIN, det. K. MOOSA (Tahiti).

#### *Thalamita quadrilobata* Miers, 1884

DISTRIBUTION. — Society (Bora Bora).

REFERENCES. — *Thalamita quadrilobata* - STEPHENSON & REES, 1967: 92 (Bora Bora). — *Thalamita (Pseudothalaminella) quadrilobata* - GUINOT, 1985: 449 (List; subgenus from MOOSA, 1979: 47).

#### *Thalamita seurati* Nobili, 1906

DISTRIBUTION. — Tuamotu (Marutea South).

REFERENCES. — *Thalamita seurati* Nobili, 1906a: 262; 1907: 385, pl. 2, fig. 1 (Marutea). — SEURAT, 1934: 60 (French Polynesia). — FOREST & GUINOT, 1962: 60 (Biogeography "Tahiti-Tuamotu"). — STEPHENSON, 1972: 51 (List "Tuamotu"). — *Thalamita (Pseudothalaminella) seurati* - GUINOT, 1985: 449 (List; subgenus from MOOSA, 1979: 47).

#### *Thalamita spinifera* Borradaile, 1903

DISTRIBUTION. — Austral (Raevavae, Tubuai); Marquesas (Eiao, Fatu Hiva, Nuku Hiva); Tuamotu (Makemo) - *Sublittoral to deep*.

REFERENCES. — *Thalamita spinifera* - STEPHENSON, 1976: 24 ("Marquesas Expedition, 40-80m, 18/ix/1967 to 1/x/1967" = Marquesas, *cf.* HARALD, 1967) - NEW MATERIAL - Coll. J. POUPIN, det. K. MOOSA (Eiao, Fatu Hiva, Makemo, Nuku Hiva, Raevavae, Tubuai; 42-200m).

#### *Thalamita woodmasoni* Alcock, 1899

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Thalamita woodmasoni* - FOREST & GUINOT, 1961: 33 (Tahiti); 1962: 60 (Biogeography "Tahiti-Tuamotu"). — *Thalamita (Pseudothalaminella) woodmasoni* - GUINOT, 1985: 449 (List; subgenus from MOOSA, 1979: 47).

#### *Thalamitoides quadridens* A. Milne Edwards, 1869

DISTRIBUTION. — Tuamotu (Moruroa, Rangiroa).



REFERENCES. — *Thalamitoides quadridens* - STEPHENSON, 1976: 26 (Rangiroa) - NEW MATERIAL - Coll. J. POUPIN, det. K. MOOSA (Moruroa).

#### SUBFAMILY PODOPHTHALMINAE

##### *Podophthalmus vigil* (Fabricius, 1798)

DISTRIBUTION. — Society (Moorea, Tahiti).

REFERENCES. — *Podophthalmus vigil* - FOREST & GUINOT, 1961: 36 (Tahiti); 1962: 60 (Biogeography "Tahiti-Tuamotu"). — STEPHENSON & REES, 1967: 104 ("Opunohu Bay" = Moorea). — MONTEFORTE, 1984: 173, annex 1, tab. a (Moorea). — GUINOT, 1985: 449 (List).

#### FAMILY XANTHIDAE

#### SUBFAMILY POLYDECTINAE.

##### *Lybia caestifera* (Alcock, 1897)

DISTRIBUTION. — Society (Tahiti); Tuamotu (Mataiva?).

REFERENCES. — *Lybia caestifera* - RATHBUN, 1907: 60 (Tahiti). — FOREST & GUINOT, 1962: 68 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1976: 75 (Syn.; RATHBUN's reference with a ?); 1985: 452, with a ? (List) - RELEVANT MATERIAL - *Lybia* cf. *coestifera* (sic) - MONTEFORTE, 1984: 171, annex 1, tab. a (Mataiva).

##### *Lybia plumosa* Barnard, 1947

DISTRIBUTION. — Society (Moorea); Tuamotu (Tikehau).

REFERENCES. — *Lybia leptochelis* - PEYROT-CLAUSADE, 1977a, annex of the species: 27 (Moorea) not *L. leptochelis* (Zehntner, 1894) = *L. plumosa* fide SERÈNE (1984: 29, 31). — *Lybia plumulosa* (sic) - PEYROT-CLAUSADE, 1989: 113 (Tikehau).

##### *Lybia tessellata* (Latreille, 1812)

DISTRIBUTION. — Marquesas; Society (Moorea, Tahiti); Tuamotu (Makatea, Mataiva, Rangiroa, Raroia).

REFERENCES. — *Melia tessellata* - FINNEGAN, 1931: 647 (Marquesas). — *Lybia tessellata* - HOLTHUIS, 1953: 23 (Raroia). — MORRISON, 1954: 13 (Raroia). — FOREST & GUINOT, 1962: 68 (Biogeography "Tahiti-Tuamotu, Marquesas"). — TAKEDA & MIYAKE, 1970: 15 ("Avatoru" = Rangiroa, Tahiti). — GUINOT, 1976: 70, fig. 17d, 18e, 19c, 20e-h, 22d, pl. 2, fig. 6 (Syn.); 1985: 452 (List). — MONTEFORTE, 1984: 171, annex 1, tab. a (Makatea, Mataiva, Moorea, Tahiti); 1987: 9 (Moorea).

##### *Polydectus cupulifer* (Latreille, 1812)

DISTRIBUTION. — Tuamotu (Raraka).

REFERENCES. — *Polydectus villosus* Dana, 1852a: 81; 1852b: 227; 1855, pl. 13, fig. 3a-e (Raraka). — *Polydectus cupulifer* - FOREST & GUINOT, 1962: 68 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1976: 65 (Syn.); 1985: 452 (List). — SERÈNE, 1984: 24, fig. 1, pl. 1a (Syn.).



## SUBFAMILY CYMOINAE

*Cymo andreossi* (Audouin, 1826)

DISTRIBUTION. — Society (Moorea, Tahiti).

REFERENCES. — *Cymo andreossi* - DANA, 1852b: 225; 1855, pl. 13, fig. 2a-b (Tahiti). — HELLER, 1865: 20 (Tahiti). — FOREST & GUINOT, 1962: 68 (Biogeography "Tahiti-Tuamotu"). — ODINETZ, 1983: 206 (Moorea, Tahiti). — GUINOT, 1985: 450 (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Moorea and/or Tahiti).

*Cymo deplanatus* A. Milne Edwards, 1873

DISTRIBUTION. — Tuamotu (Raroia).

REFERENCES. — *Cymo deplanatus* - HOLTHUIS, 1953: 18 (Raroia). — MORRISON, 1954: 13 (Raroia). — FOREST & GUINOT, 1962: 68 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 450 (List).

*Cymo melanodactylus* de Haan, 1833

DISTRIBUTION. — Gambier (Mangareva); Society (Bora Bora, Moorea, Tahiti); Tuamotu (Fakarava, Hao, Hikueru, Moruroa).

REFERENCES. — *Cymo Andreossi* var. *melanodactyla* - NOBILI, 1907: 397 ("Otepa" = Hao, Mangareva). — *Cymo melanodactylus* - RATHBUN, 1907: 53 (Bora Bora, Fakarava). — PESTA, 1913: 46 (Tahiti). — BOONE, 1934: 144, pl. 74 (Tahiti). — FOREST & GUINOT, 1961: 119 (Hikueru, "Rikitea" = Mangareva); 1962: 68 (Biogeography "Tahiti-Tuamotu"). — ODINETZ, 1983: 206 (Tahiti). — SERÈNE, 1984: 34, fig. 8, pl. 2b (Syn.). — GUINOT, 1985: 450 (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Tahiti). — POUPIN, 1994a: 33, fig. 29, pl. 3h (Mangareva, Moruroa).

*Cymo quadrilobatus* Miers, 1884

DISTRIBUTION. — Society (Moorea, Tahiti?).

REFERENCES. — *Cymo quadrilobatus* - ODINETZ, 1983: 206 (Moorea). — GUINOT, 1985: 450 (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Moorea and/or Tahiti).

## SUBFAMILY TRICHIINAE

*Banareia parvula* (Krauss, 1843)

DISTRIBUTION. — Marquesas.

REFERENCES. — *Actaea parvula* - ODHNER, 1925: 35, 51, pl. 3, fig. 13 (Marquesas). — *Banareia parvula* - GUINOT, 1976: 179, with a ? for the genus (Syn.; see the considerations about the generic rank); 1985: 452 (List). — *Banareia parvula* - GARTH *et al.*, 1987: 243 (cited only for the generic rank).

## SUBFAMILY LIOMERINAE

*Liomera bella* (Dana, 1852)

DISTRIBUTION. — Gambier (Mangareva, Tarauru-Roa, Vaiatekeue); Society (Moorea, Tahiti); Tuamotu (Fakareva, Hikueru, Makatea, Makemo, Marutea South, Mataiva, Takapoto, Takaroa, Tikehau).

REFERENCES. — *Carpiloxanthus rugipes* - HELLER, 1865: 17 (Tahiti) not *Liomera rugipes* (Heller, 1861) = *L. bella* fide SERÈNE (1984: 65). — *Carpilodes rugatus* - NOBILI, 1907: 387 ("chenal Waiatekene = Vaiatekeue, "Rikitea" = Mangareva, "Waitutaki" = Marutea South). — RATHBUN, 1907: 37 (Makemo) - All, not *Liomera rugata* (H. Milne Edwards, 1834) = *L. bella* fide SERÈNE (1984: 61). — *Carpilodes vaillantianus* - NOBILI, 1907: 387. — *Carpilodes bellus* - ODHNER, 1925: 16, pl. 1, fig. 9 ("Eimeo" = Moorea, Makemo, Tahiti). — BUTTENDIJK, 1960: 257, fig. 2b (Tahiti). — *Liomera bella* - FOREST & GUINOT, 1961: 38, fig. 26a-b (Hikueru, Tahiti, "Taraourou-roa" = Tarauru-Roa);



1962: 60 (Biogeography "Tahiti-Tuamotu"). — PEYROT-CLAUSADE, 1977a, annex of the species: 26; 1977b: 212 (Moorea); 1989: 111 (Tikehau). — MONTEFORTE, 1984: 171, annex 1, tab. a (Makatea, Mataiva, Moorea, Tahiti, Takapoto); 1987: 9 (Moorea). — DELESALLE, 1985: 289 (Mataiva). — GUINOT, 1985: 450 (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Moorea and/or Tahiti). — *Liomera (Liomera) bella* - SERÈNE, 1984: 60, fig. 21, pl. 5e (Syn.) - SYNONYMS - *Carpilodes vaillantianus* A. Milne Edwards, 1862.

***Liomera cinctimana* (White, 1847)**

DISTRIBUTION. — Marquesas (Nuku Hiva); Society (Moorea, Tahiti).

REFERENCES. — *Liomera lata* - HELLER, 1865: 9 (Tahiti). — *Liomera cinctimana* - ORTMANN, 1893b: 450, pl. 17, fig. 8 (Tahiti). — FOREST & GUINOT, 1961: 39, fig. 27a-b (Tahiti, "Taihoae" = Nuku Hiva); 1962: 60 (Biogeography "Tahiti-Tuamotu, Marquesas"). — PEYROT-CLAUSADE, 1977a, annex of the species: 26 (Moorea). — MONTEFORTE, 1984: 171, annex 1, tab. a (Tahiti). — GUINOT, 1985: 450 (List). — *Carpilodes cinctimanus* - ODHNER, 1925: 14 (Tahiti). — *Liomera (Liomera) cinctimana* - SERÈNE, 1984: 57, fig. 17, pl. 5a (Syn.) - SYNONYMS - *Liomera lata* Dana, 1852.

***Liomera laevis* (A. Milne Edwards, 1873)**

DISTRIBUTION. — Society (Moorea).

REFERENCES. — *Liomera laevis* - PEYROT-CLAUSADE, 1977a, annex of the species: 27; 1977b: 212 (Moorea). — GUINOT, 1985: 451, with a ? (List).

***Liomera laperousei* Garth, 1985**

DISTRIBUTION. — Austral (MacDonald bank) - *Littoral to sublittoral*.

REFERENCES. — *Liomera laperousei* - LABOUTE & RICHER DE FORGES, 1986: 21 (MacDonald bank, 40m; with hesitation: "semble être une femelle juvénile de *Liomera laperousei* Garth, 1985 décrit de l'île de Pâque").

***Liomera monticulosa* (A. Milne Edwards, 1873)**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Marutea South) - *Littoral to sublittoral*.

REFERENCES. — *Carpilodes monticulosus* - NOBILI, 1907: 387 (Marutea South). — ODHNER, 1925: 21, pl. 1, fig. 18 (Tahiti, Marutea South). — *Liomera monticulosa* - FOREST & GUINOT, 1962: 60 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1964: 11 (Syn.); 1985: 451 (List). — PEYROT-CLAUSADE, 1977a, annex of the species: 27; 1977b: 212 (Moorea); 1989: 115 (Moorea; 30m). — *Liomera (Liomera) monticulosa* - SERÈNE, 1984: 64, fig. 24, pl. 6c (Syn.). — Not *Carpilodes monticulosus* - RATHBUN, 1907: 37 (Fakarava, Makemo) = *Liomera (Liomera) rugata* (H. Milne Edwards, 1834) *vide* SERÈNE (1984: 62).

***Liomera pallida* (Borradaile, 1900)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Carpilodes pallidus* - ODHNER, 1925: 20, pl. 1, fig. 17 (Tahiti). — *Liomera pallida* - FOREST & GUINOT, 1962: 60 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 451, with a ? (List). — *Liomera (Liomera) pallida* - SERÈNE, 1984: 62, pl. 5f (Syn.).

***Liomera rubra* (A. Milne Edwards, 1865)**

DISTRIBUTION. — Society (Moorea).

REFERENCES. — *Liomera rubra* - MONTEFORTE, 1984: 171, annex 1, tab. a; 1987: 9 (Moorea). — GUINOT, 1985: 451, with a ? (List). — *Liomera (Liomera) rubra* - SERÈNE, 1984: 65, fig. 26, pl. 6e-f, pl. 9f (Syn.).

***Liomera rugata* (H. Milne Edwards, 1834)**

DISTRIBUTION. — Marquesas (Nuku Hiva); Society (Moorea, Tahiti); Tuamotu (Fakarava, Makemo, Mataiva, Raroia, Tikehau).



REFERENCES. — *Carpilodes rugatus* - ORTMANN, 1893b: 468 (Tahiti). — ODHNER, 1925: 20, pl. 1, fig. 16 (Fakarava, Tahiti). — BOONE, 1934: 91, pl. 46 (Nuku Hiva). — HOLTHUIS, 1953: 13 (Raroia). — MORRISON, 1954: 16 (Raroia). — BUITENDIJK, 1960: 259, fig. 2d (Tahiti). — *Carpilodes monticulosus* - RATHBUN, 1907: 37 (Fakarava, Makemo) not *Liomera monticulosa* (A. Milne Edwards, 1873) = *L. rugata* fide SERÈNE (1984: 62). — *Liomera rugata* - FOREST & GUINOT, 1962: 60 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 171, annex 1, tab. a (Mataiva, Moorea); 1987: 9 (Moorea). — GUINOT, 1985: 451 (List). — PEYROT-CLAUSADE, 1989: 113, 115 (Moorea, Tikehau). — *Liomera (Liomera) rugata* - SERÈNE, 1984: 62, fig. 22, pl. 6b (Syn.).

#### *Liomera semigranosa* De Man, 1888

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Liomera semigranulosa* (sic) - ODINETZ, 1983: 209 (Tahiti). — *Liomera semigranosa* - GUINOT, 1985: 451 (List). — *Liomera (Liomera) semigranosa* - SERÈNE, 1984: 63, pl. 7c, f (Syn.).

#### *Liomera stimpsoni* (A. Milne Edwards, 1865)

DISTRIBUTION. — Society (Moorea).

REFERENCES. — *Liomera stimpsoni* - PEYROT-CLAUSADE, 1977a, annex of the species: 27; 1977b: 212; 1989: 115 (Moorea). — GUINOT, 1985: 451, with a ? (List).

#### *Liomera tristis* (Dana, 1852)

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Fakarava).

REFERENCES. — *Carpilodes tristis* Dana, 1852a: 77; 1852b: 193; 1855, pl. 9, fig. 7a-d (Tuamotu with a ?). — HELLER, 1865: 17 (Tahiti). — A. MILNE EDWARDS, 1865b: 225 (Tuamotu). — DE MAN, 1890: 50 (Tahiti). — RATHBUN, 1907: 37 (Fakarava). — ODHNER, 1925: 12, pl. 1, fig. 1 ("Eimeo" = Moorea, Tahiti). — BUITENDIJK, 1960: 254, fig. 1c (Tahiti). — *Carpilodes granulatus* Heller, 1862: 520 (Tahiti). — *Liomera tristis* - FOREST & GUINOT, 1961: 38 (Tahiti); 1962: 60 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 451 (List). — *Liomera (Liomera) tristis* - SERÈNE, 1984: 59, fig. 19, pl. 5b (Syn.).

#### *Liomera venosa* (H. Milne Edwards, 1834)

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Carpilodes venosus* - ORTMANN, 1893b: 467 (Tahiti). — ODHNER, 1925: 22, pl. 2, fig. 1 (Tahiti). — BUITENDIJK, 1960: 259, fig. 2e (Tahiti). — *Liomera venosa* - FOREST & GUINOT, 1962: 60 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 451 (List). — *Liomera (Liomera) venosa* - SERÈNE, 1984: 58, fig. 18, pl. 7d-e (Syn.).

#### *Neoliomera demani* Forest & Guinot, 1961

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Hikueru).

REFERENCES. — *Neoliomera demani* Forest & Guinot, 1961: 80, fig. 76, 77bis, pl. 3, fig. 3-5 (Hikueru, Tahiti); 1962: 66 (Biogeography "Tahiti-Tuamotu"). — SERÈNE, 1984: 71, fig. 31, pl. 8b (Hikueru). — GUINOT, 1985: 451 (List). — PEYROT-CLAUSADE, 1989: 115 (Moorea). — *Neoliomera pubescens* - ODHNER, 1925: 28, pl. 2, fig. 6, 6a-7 (Tahiti) not *Neoliomera pubescens* (H. Milne Edwards, 1834) = *N. demani* sp. nov. in FOREST & GUINOT (1961: 80).

#### *Neoliomera insularis* (White, 1847)

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Neoliomera insularis* - SAKAI, 1976: 398 (Tahiti; cf. Remark). — GUINOT, 1985: 451 (List; after SAKAI).

REMARK. — The only reference in French Polynesia seems to be in SAKAI (1976) where "Tahiti" is cited without material examined from that island, and without older references for that location. Thus, the occurrence of this species in the French Polynesia still remains to be confirmed.



***Neoliomera pubescens* (H. Milne Edwards, 1834)**

DISTRIBUTION. — Society (Moorea).

REFERENCES. — *Neoliomera pubescens* - PEYROT-CLAUSADE, 1977a, annex of the species: 27; 1977b: 212 (Moorea). — SERÈNE, 1984: 71, fig. 30, pl. 8a (Syn.; cf. Remark).

REMARK. — According to SERÈNE (1984) it is, in most of the works, necessary to check that the material attributed to *Neoliomera pubescens* has not been confounded with *N. demani* Forest & Guinot, 1961. He also mentions that *N. pubescens* is known, with certainty, only from Mauritius.

***Neoliomera richtersi* (De Man, 1889)**

DISTRIBUTION. — Society (Tahiti); Tuamotu (Marutea South).

REFERENCES. — *Actaeodes richtersi* de Man 1889: 412, pl. 9, fig. 2; 1890: 51 (Tahiti). — *Liomera richtersi* - NOBILI, 1907: 387 ("Marutea-Vaitutaki" = Marutea South). — *Neoliomera richtersi* - ODHNER, 1925: 33, pl. 2, fig. 13 (Tahiti). — BUITENDIJK, 1960: 262 (Tahiti). — FOREST & GUINOT, 1961: 79, fig. 74 (Tahiti); 1962: 66 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1964: 47, fig. 17 (Tahiti); 1985: 451 (List). — SERÈNE, 1984: 70, fig. 28, pl. 8e (Tahiti; Syn.).

***Neoliomera variolosa* (A. Milne Edwards, 1873)**

DISTRIBUTION. — Society (Moorea).

REFERENCES. — *Neoliomera variolosa* - PEYROT-CLAUSADE, 1977b: 212, 220 (Moorea).

## SUBFAMILY EUXANTHINAE

***Alainodaeus rimatara* Davie, 1993**

DISTRIBUTION. — Austral (Raevavae, Rimatara); Tuamotu (Akiaki, Fangataufa, Hao, Takapoto) - *Sublittoral to deep*.

REFERENCES. — *Alainodaeus rimatara* Davie, 1993: 519, fig. 6, pl. 6 (Akiaki, Fangataufa, Hao, Raevavae, Rimatara, Takapoto; 90-350m). — POUPIN, 1996: in press (same material).

***Euxanthus exsculptus* (Herbst, 1790)**

DISTRIBUTION. — Gambier (Mangareva); Society (Moorea, Tahiti).

REFERENCES. — *Euxanthus exsculptus* var. *rugosus* - NOBILI, 1907: 389 (Mangareva) not *Euxanthus rugosus* Miers, 1884 = *E. exsculptus* fide GUINOT-DUMORTIER (1960b: 170). — *Euxanthus exsculptus* - GUINOT-DUMORTIER, 1960b: 169, pl. 1, fig. 4, pl. 2, fig. 10, pl. 6, fig. 36-37, pl. 8, fig. 42-47 ("Rikitea" = Mangareva). — FOREST & GUINOT, 1962: 62 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 170, annex 1, tab. a; 1987: 9 (Moorea). — SERÈNE, 1984: 86, fig. 48, pl. 11b (Tahiti). — GUINOT, 1985: 450 (List).

***Euxanthus sculptilis* Dana, 1852**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Euxanthus sculptilis* - BOONE, 1934: 107, pl. 57 (Tahiti). — FOREST & GUINOT, 1962: 62 (Biogeography "Tahiti-Tuamotu"). — GUINOT-DUMORTIER, 1960b: 167, pl. 6, fig. 39, pl. 9, fig. 49 (Syn.); 1985: 450 (List).

***Medaeus grandis* Davie, 1993**

DISTRIBUTION. — Tuamotu (Hao, Moruroa) - *Sublittoral to deep*.

REFERENCES. — *Medaeus grandis* Davie, 1993: 526, fig. 8, pl. 8 (Hao, Moruroa; 90-210m). — POUPIN, 1996: in press (same material).

***Paramedaeus noelensis* (Ward, 1934)**

DISTRIBUTION. — Society (Moorea, Tahiti).



REFERENCES. — *Medaeus noelensis* - FOREST & GUINOT, 1961: 56, fig. 42-43, 44a-b, pl. 1, fig. 1 (Tahiti); 1962: 62 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 171, annex 1, tab. a (Moorea, Tahiti); 1987: 9 (Moorea). — *Paramedaeus noelensis* - SERÈNE, 1984: 90, fig. 51, pl. 12f (Syn.). — GUINOT, 1985: 451 (List).

***Paramedaeus simplex* (A. Milne Edwards, 1873)**

DISTRIBUTION. — Society (Moorea).

REFERENCES. — *Paramedaeus simplex* - PEYROT-CLAUSADE, 1977b: 212 (Moorea). — GUINOT, 1985: 451, with a ? (List).

SUBFAMILY ACTAEINAE

***Actaea aff. glandifera* Rathbun, 1914**

DISTRIBUTION. — Society (Moorea); Tuamotu (Tikehau) - *Littoral to sublittoral*.

REFERENCES. — *Actaea aff. glandifera* - PEYROT-CLAUSADE, 1989: 111, 114 (Moorea, Tikehau; 25m).

***Actaea calculosa* (H. Milne Edwards, 1834)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Actaea calculosa* - ODHNER, 1925: 52 (Tahiti). — FOREST & GUINOT, 1962: 64 (Biogeography "Tahiti-Tuamotu").

REMARK. — ODHNER mentions a Tahitian specimen in the collections of Hamburg. However, GUINOT (1976: 215-216) states that most of the references to *Actaea calculosa*, especially ODHNER (1925: 52), must be re-examined.

***Actaea danae* A. Milne Edwards, 1865**

DISTRIBUTION. — Tuamotu (Raraka).

REFERENCES. — *Actaeodes areolatus* Dana, 1852a: 77; 1852b: 194; 1855, pl. 9, fig. 8a-d (Raraka). — *Actaea danae* - FOREST & GUINOT, 1962: 64 (Biogeography "Tahiti-Tuamotu"). — (*Actaea*) *danae* - GUINOT, 1976: 247 (Syn.); 1985: 450, with "*species inquirenda*" (List).

***Actaea polyacantha* (Heller, 1861)**

DISTRIBUTION. — Society (Moorea).

REFERENCES. — *Actaea polyacantha* - PEYROT-CLAUSADE, 1989: 114 (Moorea).

***Actaeodes consobrinus* (A. Milne Edwards, 1873)**

DISTRIBUTION. — Marquesas; Society (Moorea) - *Littoral to sublittoral*.

REFERENCES. — *Actaea consobrina* - ODHNER, 1925: 67, pl. 4, fig. 14 (Marquesas). — *Actaeodes consobrinus* - GUINOT, 1976: 246, pl. 15, fig. 5, 5a (Syn.); 1985: 450, with a ? (List). — *Actaeodes consobrina* - PEYROT-CLAUSADE, 1989: 114 (Moorea; 30m). — Not *Actaea consobrina* - NOBILI, 1907: 390 = *Actaea ruppellioides* sp. nov. in ODHNER (1925: 47; cf. under *Pseudoliomera ruppellioides*).

***Actaeodes hirsutissimus* (Rüppell, 1830)**

DISTRIBUTION. — Society (Bora Bora, Moorea, Raiatea, Tahiti); Tuamotu (Mataiva, Tikehau).

REFERENCES. — *Actaea hirsutissima* - HELLER, 1865: 9 (Tahiti). — RATHBUN, 1907: 42 (Bora Bora, Tahiti). — ODHNER, 1925: 69, pl. 4, fig. 13 (Tahiti). — BOONE, 1934: 124, pl. 66 (Raiatea). — FOREST & GUINOT, 1961: 78 (Tahiti); 1962: 64 (Biogeography "Tahiti-Tuamotu"). — PEYROT-CLAUSADE, 1989: 111 (Tikehau). — *Actaeodes hirsutissimus* - GUINOT, 1976: 245, fig. 38e, pl. 15, fig. 2, 2a (Tahiti; Syn.); 1985: 450 (List). — PEYROT-CLAUSADE, 1977a, annex of the species: 26; 1977b: 213; 1985: 462 (Moorea). — NAIM, 1980a, annex 1, tab. 3 (Moorea). — MONTEFORTE, 1984: 170, annex 1, tab. a (Mataiva, Moorea, Tahiti); 1987: 8 (Moorea). — SERÈNE, 1984: 135 (Syn.).



***Actaeodes tomentosus* (H. Milne Edwards, 1834)**

DISTRIBUTION. — Society (Tahiti); Tuamotu (Makatea).

REFERENCES. — *Actaeodes tomentosus* - HELLER, 1865: 17 (Tahiti). — GUINOT, 1976: 244, fig. 38d, 41c, pl. 15, fig. 1, 1a (Syn.); 1985: 450, with a ? (List). — SERÈNE, 1984: 134, 137 (Syn.). — *Actaea tomentosa* - SENDLER, 1923: 37 (Makatea). — FOREST & GUINOT, 1962: 66 (Biogeography "Tahiti-Tuamotu").

***Forestia depressa* (White, 1847)**

DISTRIBUTION. — Marquesas.

REFERENCES. — *Actaea depressa* - BALSS, 1935: 136 (Marquesas). — *Forestia depressa* - GUINOT, 1976: 262 (Syn.; with a ? for BALSS' reference); 1985: 450 (List; with a ? in front of "Marquesas"). — SERÈNE, 1984: 106 (Syn.; with a ? in front of BALSS' reference).

REMARK. — In GUINOT (1976) and SERÈNE (1984), at least one specimen attributed to *Actaea depressa*, by BALSS (1938: 54), would be in fact a *Forestia scabra* (Odhner, 1925).

***Forestia scabra* (Odhner, 1925)**

DISTRIBUTION. — Marquesas.

REFERENCES. — *Actaea scabra* - BALSS, 1935: 136 (Marquesas). — *Forestia scabra* - GUINOT, 1976: 263 (Syn.; with a ? in front of BALSS' reference); 1985: 450 (List; with a ? in front of "Marquesas").

***Gaillardiellus rueppelli* (Kraus, 1843)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Gaillardiellus rueppelli* - GARTH & KIM, 1983: 684 (Distribution only, Tahiti; cf. Remark). — GUINOT, 1985: 450 (List; presumably after the previous work).

REMARK. — The material examined by GARTH & KIM (1983: 685) was collected in the Philippines by the *Albatross* (1908-1909). "Tahiti", mentioned in the "Distribution" only, corresponds neither to material examined, nor to former references cited in this work.

***Gaillardiellus superciliaris* (Odhner, 1925)**

DISTRIBUTION. — Tuamotu (Raroia, Taiaro).

REFERENCES. — *Actaea superciliaris* - HOLTHUIS, 1953: 11 (Raroia). — MORRISON, 1954: 13 (Raroia). — FOREST & GUINOT, 1962: 64 (Biogeography "Tahiti-Tuamotu"). — *Gaillardiellus superciliaris* - GUINOT, 1976: 257 (Syn.); 1985: 450 (List). — POUPIN, 1994a: 34, fig. 30, pl. 4a, with a ? (Taiaro).

***Paractaea excentrica* Guinot, 1969**

DISTRIBUTION. — Tuamotu (Marutea South).

REFERENCES. — *Paractaea excentrica* Guinot, 1969: 263, fig. 36 (Marutea South); 1985: 451 (List).

***Paractaea retusa* (Nobili, 1905)**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Raroia).

REFERENCES. — *Actaea garretti* Rathbun, 1906: 852, pl. 9, fig. 8 (Society). — *Actaea rufopunctata* - HOLTHUIS, 1953: 11 (Raroia). — MORRISON, 1954: 16 (Raroia). — FOREST & GUINOT, 1961: 79, fig. 79a-b (Tahiti) - All, not *Paractaea rufopunctata* (H. Milne Edwards, 1834) = *Paractaea retusa* form *hippocrepica* nov. in GUINOT (1969: 256). — *Paractaea retusa* form *hippocrepica* - GUINOT, 1969: 256, fig. 30 (Tahiti, Raroia; Syn.); 1985: 451 (List). — PEYROT-CLAUSADE, 1989: 115 (Moorea). — *Paractaea retusa* - MONTEFORTE, 1984: 171, annex 1, tab. a; 1987: 9 (Moorea).

REMARK. — GUINOT (1969: 255), when creating the new genus *Paractaea*, has examined the syntype of *garretti* from Gilbert Islands (but not the specimen from the Society Islands), and considers that RATHBUN's species belongs to *Paractaea retusa* (Nobili) form *garretti* (Rathbun).



***Paractaea rufopunctata* H. Milne Edwards, 1834**

DISTRIBUTION. — Society (Tahiti); Tuamotu (Makemo, Marutea South).

REFERENCES. — *Actaea rufopunctata* - NOBILI, 1907: 392 (Marutea). — RATHBUN, 1907: 43 (Makemo, Tahiti). — ODHNER, 1925: 60 (Tahiti). — FOREST & GUINOT, 1962: 64 (Biogeography "Tahiti-Tuamotu"). — *Paractaea rufopunctata* form *plumosa* - GUINOT, 1969: 248, fig. 21 (Marutea). — *Paractaea rufopunctata* - GUINOT, 1985: 451 (List).

***Paractaeopsis quadriareolatus* (Takeda & Miyake, 1968)**

DISTRIBUTION. — Society (Moorea).

REFERENCES. — *Paractaeopsis quadriareolatus* - SERÈNE, 1984: 127 (Syn.; gen. nov.). — *Paractaea quadriareolata* - PEYROT-CLAUSADE, 1989: 115 (Moorea).

***Paractaeopsis tumulosus* (Odhner, 1925)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Actaea tumulosa* Odhner, 1925: 61, pl. 4, fig. 10 (Tahiti). — FOREST & GUINOT, 1962: 66 (Biogeography "Tahiti-Tuamotu"). — *Paractaeopsis tumulosus* - SERÈNE, 1984: 127, fig. 74, pl. 17d (Syn.; gen. nov.). — *Paractaea tumulosa* - GUINOT, 1985: 451 (List).

***Psaumis cavipes* (Dana, 1852)**

DISTRIBUTION. — Gambier (Mangareva); Society (Bora Bora, Moorea, Tahiti); Tuamotu (Fakarava, Hao, Rangiroa, Raroia, Tikehau).

REFERENCES. — *Actaea cavipes* - NOBILI, 1907: 390 ("Ohura" = Hao, "Rikitea" = Mangareva). — RATHBUN, 1907: 44, pl. 1, fig. 2 (Bora Bora, Fakarava, Rangiroa). — ODHNER, 1925: 68 ("Eimeo" = Moorea, Tahiti). — BOONE, 1934: 128, pl. 68 (Tahiti). — HOLTHUIS, 1953: 10 (Raroia). — MORRISON, 1954: 16 (Raroia). — FOREST & GUINOT, 1961: 78 (Tahiti); 1962: 64 (Biogeography "Tahiti-Tuamotu"). — PEYROT-CLAUSADE, 1977a, annex of the species: 26; 1977b: 212 (Moorea). — NAIM, 1980a, annex 1, tab. 3 (Moorea). — MONTEFORTE, 1984: 170, annex 1, tab. a (Moorea, Tahiti); 1987: 8 (Moorea). — *Psaumis cavipes* - ODINETZ, 1983: 209 (Moorea, Tahiti). — SERÈNE, 1984: 129, fig. 76, pl. 18f (Syn.). — GUINOT, 1985: 451 (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Moorea and/or Tahiti, Takapoto). — MONTEFORTE, 1987: 9 (Moorea). — PEYROT-CLAUSADE, 1989: 113 (Tikehau).

***Psaumis cellulosa* (Dana, 1852)**

DISTRIBUTION. — Society (Moorea, Tahiti).

REFERENCES. — *Psaumis cellulosa* - ODINETZ, 1983: 209 (Moorea, Tahiti). — GUINOT, 1985: 451 (List).

***Pseudoliomera granosimana* (A. Milne Edwards, 1865)**

DISTRIBUTION. — Society (Tahiti); Tuamotu (Marutea South).

REFERENCES. — *Liomera granosimana* - ORTMANN, 1893b: 451 (Tahiti). — NOBILI, 1907: 387 ("Marutea-Vaitutaki" = Marutea South). — *Pseudoliomera granosimana* - ODHNER, 1925: 79, fig. 5-6 (Tahiti). — FOREST & GUINOT, 1961: 39, fig. 28a-c, pl. 7, fig. 1-2 (Tahiti); 1962: 60 (Biogeography "Tahiti-Tuamotu"). — SERÈNE, 1984: 100, fig. 56, pl. 13a (Tahiti). — GUINOT, 1985: 451 (List).

***Pseudoliomera lata* (Borradaile, 1902)**

DISTRIBUTION. — Society (Moorea).

REFERENCES. — *Pseudoliomera lata* - KROPP & BIRKELAND, 1981: 630, tab. 5 (Moorea). — SERÈNE, 1984: 102 (Syn.). — PEYROT-CLAUSADE, 1989: 115 (Moorea). — (*Pseudoliomera*) *lata* - GUINOT, 1985: 451, with a ? (List). — Not *Actaea lata* - NOBILI, 1907: 392 ("Marutea, Vaitutaki" = Marutea South) = *A. ruppellioides* Odhner, 1925 fide GUINOT (1962: 237).



***Pseudoliomera ruppellioides* (Odhner, 1925)**

DISTRIBUTION. — Tuamotu (Marutea South).

REFERENCES. — *Actaea consobrina* - NOBILI, 1907: 390 (Marutea South) not *Actaea consobrina* A. Milne Edwards, 1873 = *A. ruppellioides* sp. nov. in ODHNER (1925: 47). — *Actaea lata* - NOBILI, 1907: 392 ("Marutea, Vaitutaki" = Marutea South) not *Actaea lata* Borradaile, 1902 = *A. ruppellioides* Odhner *vide* GUINOT (1962: 237). — *Actaea ruppellioides* Odhner, 1925: 47, pl. 3, fig. 9 (Marutea South; NOBILI's material). — FOREST & GUINOT, 1962: 64 (Biogeography "Tahiti-Tuamotu"). — (*Pseudoliomera*) *ruppellioides* - GUINOT, 1976: 203, 246 (Genus *Pseudoliomera* "ou à sa proximité"); 1985: 451 (List).

***Pseudoliomera speciosa* (Dana, 1852)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Actaea speciosa* - SENDLER, 1923: 38 (Tahiti). — ODHNER, 1925: 62 (Tahiti). — FOREST & GUINOT, 1962: 66 (Biogeography "Tahiti-Tuamotu"). — (*Pseudoliomera*) *speciosa* - GUINOT, 1976: 203, 243 (Genus uncertain); 1985: 451, with a ? (List).

***Pseudoliomera variolosa* (Borradaile, 1902)**

DISTRIBUTION. — Society (Moorea); Tuamotu (Mataiva, Tikehau) - *Littoral to sublittoral*.

REFERENCES. — *Pseudoliomera variolosa* - KROPP & BIRKELAND, 1981: 630, tab. 5 (Moorea). — MONTEFORTE, 1984: 171, annex 1, tab. a (Mataiva, Moorea; *cf.* Remark); 1987: 9 (Moorea). — PEYROT-CLAUSADE, 1989: 111, 115 (Moorea, Tikehau; 30m). — *Aff. Pseudoliomera variolosa* - PEYROT-CLAUSADE, 1977a, annex of the species: 27 (Moorea). — (*Pseudoliomera*) *variolosa* - GUINOT, 1985: 451 (List).

REMARK. — MONTEFORTE writes, *Pseudoliomera variolosa* (A. Milne Edwards, 1837 *sic*). Then, it could be *Neoliomera variolosa* (A. Milne Edwards, 1873), which is different from BORRADAILE's species (*cf.* SERÈNE, 1984: 66).

## SUBFAMILY ZOZIMINAE

***Atergatis floridus* (Linné, 1767)**

DISTRIBUTION. — Gambier (Mangareva); Society (Bora Bora, Moorea, Tahiti); Tuamotu (Hao).

REFERENCES. — *Atergatis floridus* - DANA, 1852b: 159; 1855, pl. 7, fig. 4 (Society and Tuamotu). — HELLER, 1865: 8 (Tahiti). — NOBILI, 1907: 388 ("Ohura" = Hao). — SEURAT, 1934: 59 (Hao). — BUITENDIJK, 1960: 268 (Society). — FOREST & GUINOT, 1961: 41 (Tahiti; Syn.); 1962: 62 (Biogeography "Tahiti-Tuamotu"). — PEYROT-CLAUSADE, 1977a, annex of the species: 26; 1977b: 212 (Moorea). — NAIM, 1980a, annex 1, tab. 3 (Moorea). — MONTEFORTE, 1984: 170, annex 1, tab. a (Moorea, Tahiti); 1987: 8 (Moorea). — GUINOT, 1985: 450 (List). — POUPIN, 1994a: 35, fig. 31, pl. 4b (Mangareva, Tahiti). — *Atergatis ocyroe* - RATHBUN, 1907: 37 (Bora Bora). — SENDLER, 1923: 37 (Tahiti) - SYNONYMS - *Atergatis ocyroe* (Herbst, 1801).

***Atergatopsis cf. germaini* A. Milne Edwards, 1865**

DISTRIBUTION. — Society (Moorea).

REFERENCES. — *Atergatopsis cf. germaini* - MONTEFORTE, 1984: 170, annex 1, tab. a; 1987: 9 (Moorea). — GUINOT, 1985: 450 (List).

***Atergatopsis signatus* (Adams & White, 1848)**

DISTRIBUTION. — Tuamotu (Makatea, Mataiva, Raroia, Takapoto).

REFERENCES. — *Atergatopsis signatus* - HOLTHUIS, 1953: 12 (Raroia). — MORRISON, 1954: 16 (Raroia). — FOREST & GUINOT, 1962: 62 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1966a: 48 (Raroia); 1985: 450 (List). — MONTEFORTE, 1984: 170, annex 1, tab. a (Makatea, Mataiva, Takapoto). — DELESALLE, 1985: 289 (Mataiva). — SALVAT, 1986b: 72 (French Polynesia).



***Lophozozymus cristatus* A. Milne Edwards, 1867**

DISTRIBUTION. — Austral (Maria); Society.

REFERENCES. — *Lophozozymus cristatus* - BUITENDIJK, 1960: 292, fig. 7a (Society). — FOREST & GUINOT, 1962: 62 (Biogeography "Tahiti-Tuamotu"). — POUPIN, 1994a: 36, fig. 32, pl. 4c (Maria).

***Lophozozymus dodone* (Herbst, 1801)**

DISTRIBUTION. — Society (Moorea, Tahiti).

REFERENCES. — *Atergatis elegans* Heller, 1862: 519; 1865: 7, pl. 1, fig. 3 (Tahiti). — *Lophozozymus dodone* - BALSS, 1938: 39 (Tahiti). — FOREST & GUINOT, 1962: 62 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 171, annex 1, tab. a (Moorea, Tahiti); 1987: 9 (Moorea). — SERÈNE, 1984: 171, pl. 24e (Syn.). — GUINOT, 1985: 451 (List). — Not *Lophozozymus dodone* - FOREST & GUINOT, 1961: 54, fig. 39a-b (Tahiti) = *Lophozozymus glaber* fide GUINOT (1979: 65).

***Lophozozymus edwardsi* Odhner, 1925**

DISTRIBUTION. — Gambier (Mangareva); Society (Moorea); Tuamotu (Marutea South).

REFERENCES. — *Lophozozymus superbus* - NOBILL, 1907: 388 (Mangareva, "Marutea Vaitutaki" = Marutea South) not *Lophozozymus superbus* A. Milne Edwards, 1873 = *L. edwardsi* fide FOREST & GUINOT (1961: 56) & GUINOT (1979: 63). — *Lophozozymus edwardsi* - FOREST & GUINOT, 1961: 56, fig. 41 (Mangareva); 1962: 62 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1979: 63 (Mangareva, Marutea South); 1985 (List). — MONTEFORTE, 1984: 171, annex 1, tab. a; 1987: 9 (Moorea).

***Lophozozymus glaber* Ortman, 1893**

DISTRIBUTION. — Society (Moorea, Tahiti).

REFERENCES. — *Lophozozymus glaber* - GUINOT, 1979: 65, pl. 8, fig. 2, 2a (Tahiti). — NAIM, 1980a, annex 1, tab. 3 (Moorea). — MONTEFORTE, 1984: 171, annex 1, tab. a; 1987: 9 (Moorea). — *Lophozozymus dodone* - FOREST & GUINOT, 1961: 54, fig. 39a-b (Tahiti) not *Lophozozymus dodone* (Herbst, 1801) = *L. glaber* fide GUINOT (1979: 65).

***Lophozozymus pictor* (Fabricius, 1798)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Lophozozymus octodentatus* - BOONE, 1934: 102, pl. 54-55 (Tahiti). — SAKAI, 1976: 407, pl. 146, fig. 3 (Syn., but without BOONE's reference) - SYNONYMS - *Lophozozymus octodentatus* (H. Milne Edwards, 1834).

REMARK. — BOONE has examined and illustrated a large male and a female from Tahiti. However, it seems that this material has never been re-examined (cf. BUITENDIJK, 1960, or SAKAI, 1976).

***Lophozozymus superbus* (Dana, 1852)**

DISTRIBUTION. — Tuamotu (Moruroa, Raraka, Raroia).

REFERENCES. — *Xantho superbus* Dana, 1852a: 74; 1852b: 167; 1855, pl. 8, fig. 5a-b (Raraka). — *Lophozozymus superbus* - HOLTHUIS, 1953: 23 (Raroia). — MORRISON, 1954: 13 (Raroia). — GUINOT, 1979: 63 (Moruroa); 1985: 451 (List). — *Lophozozymus incisus* - FOREST & GUINOT, 1962: 62 (Biogeography "Tahiti-Tuamotu") not *Lophozozymus incisus* (H. Milne Edwards, 1834) = *L. superbus* (Dana) (cf. Remark). — Not *Lophozozymus superbus* - NOBILL, 1907: 388 = *L. edwardsi* fide FOREST & GUINOT (1961: 56) & GUINOT (1979: 63).

REMARK. — FOREST & GUINOT (1962: 62) have recorded *Lophozozymus incisus* (H. Milne Edwards, 1834) in French Polynesia because it has formerly been considered as a synonym of *L. superbus* (Dana). This opinion has been changed later on (see for example HOLTHUIS, 1953, or GUINOT, 1979).

***Platypodia anaglypta* (Heller, 1861)**

DISTRIBUTION. — Society (Moorea); Tuamotu (Fakarava, Tikehau).



REFERENCES. — *Platypodia anaglypta* - RATHBUN, 1907: 38 (Fakarava). — FOREST & GUINOT, 1962: 62 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 451 (List). — PEYROT-CLAUSADE, 1989: 113, 115 (Moorea, Tikehau).

***Platypodia granulosa* (Rüppell, 1830)**

DISTRIBUTION. — Society (Tahiti?); Tuamotu (Nukutipipi).

REFERENCES. — *Atergatis limbatus* - ? HELLER, 1865: 8 (Tahiti). — *Platypodia granulosa* - ? PESTA, 1913: 41 (Tahiti). — FOREST & GUINOT, 1962: 62 (Biogeography "Tahiti-Tuamotu"). — SERÈNE, 1984: 159, 162 (Syn.). — GUINOT, 1985: 451 (List). — MERSCHARDT-SALVAT, 1991: 89 (Nukutipipi). — Not *Lophactea granulosa* - NOBILI, 1907: 388 ("Rikitea" = Mangareva, Marutea). — Not *Platypodia granulosa* - FOREST & GUINOT, 1961: 51 (Mangareva) - These two references = *Platypodia pseudogranulosa* sp. nov. in SERÈNE (1984: 159; cf. Remark) - SYNONYMS - *Atergatis limbatus* (H. Milne Edwards, 1834).

REMARK. — SERÈNE (1984: 159), for the description of *Platypodia pseudogranulosa*, closely related to *P. granulosa*, does not mention HELLER's (1865) and PESTA's (1913) references, neither under *P. granulosa*, nor under *P. pseudogranulosa*. Thus we place these two references under both species, with uncertainty.

***Platypodia pseudogranulosa* Serène, 1984**

DISTRIBUTION. — Gambier (Mangareva); Society (Tahiti?); Tuamotu (Marutea South).

REFERENCES. — *Atergatis limbatus* - ? HELLER, 1865: 8 (Tahiti; cf. Remark under *P. granulosa*). — *Lophactaea granulosa* (Rüpp.) - NOBILI, 1907: 388 ("Rikitea" = Mangareva, Marutea). — *Platypodia granulosa* - ? PESTA, 1913: 41 (Tahiti; cf. Remark under *P. granulosa*). — FOREST & GUINOT, 1961: 51 (Mangareva) - NOBILI's and FOREST & GUINOT's references, not *Platypodia granulosa* (Rüppell, 1830) = *P. pseudogranulosa* sp. nov. in SERÈNE (1984: 159). — *Platypodia pseudogranulosa* Serène, 1984: 159, pl. 22d ("Rikitea" = Mangareva, Marutea; Syn.).

***Platypodia semigranosa* (Heller, 1861)**

DISTRIBUTION. — Society (Moorea) - Littoral to sublittoral.

REFERENCES. — *Platypodia semigranosa* - SERÈNE, 1984: 160, fig. 95, pl. 22b (Syn.; with material collected by PEYROT-CLAUSADE at Madagascar). — PEYROT-CLAUSADE, 1989: 115 (Moorea; 22m).

***Zozimus aeneus* (Linné, 1758)**

DISTRIBUTION. — Marquesas (Nuku Hiva); Society (Tahiti); Tuamotu (Fakahina, Hikueru, Makatea, Makemo, Mataiva, Moruroa, Raroia, Taiaro, Takapoto).

REFERENCES. — *Zozymus aeneus* - DANA, 1852b: 192; 1855, pl. 10, fig. 3a (Tuamotu). — STIMPSON, 1858a: 32 [30]; 1907: 42 (Tahiti). — NOBILI, 1907: 388 (Fakahina). — SEURAT, 1934: 59 (Fakahina, Tahiti). — MONTEFORTE, 1984: 171, annex 1, tab. a, photograph p. 136b (Makatea, Mataiva, Takapoto). — DELESALLE, 1985: 289 (Mataiva). — SALVAT & RICHARD, 1985: 360 (Takapoto). — SALVAT, 1986b: 72 (French Polynesia). — *Zozimus aeneus* - RATHBUN, 1907: 38 (Makemo). — BOONE, 1934: 99, pl. 50-53 (Nuku Hiva, Tahiti). — HOLTHUIS, 1953: 27 (Raroia). — MORRISON, 1954: 16 (Raroia). — BUTTENDIJK, 1960: 284, fig. 6a (Society). — FOREST & GUINOT, 1961: 51 (Hikueru, Tahiti); 1962: 62 (Biogeography "Tahiti-Tuamotu, Marquesas"). — GUINOT, 1966a: 48 (Raroia); 1985: 451 (List). — BONVALLOT *et al.*, 1994: 140-141, photograph (Tuamotu). — POUPIN, 1994a: 37, fig. 33, pl. 4d (Tahiti, Taiaro). — ? *Zozimus* s p. - SALVAT, 1986a: 19, photograph (French Polynesia; det. according to the photograph). — ? *Lophozozymus* sp. - BAGNIS & CHRISTIAN, 1983: 110, photograph (Tuamotu; det. according to the photograph) - NEW MATERIAL - Coll. and det. J. POUPIN (Moruroa).

***Zozymodes pumilus* (Jacquinot, 1852)**

DISTRIBUTION. — Gambier?; Society (Tahiti); Tuamotu (Hikueru, Makemo).

REFERENCES. — *Xanthodius cristatus* - RATHBUN, 1907: 41 (Makemo). — *Zozymodes carinipes* - NOBILI, 1907: 388 ("Tagatau" = Gambier?) not *Zozymodes carinipes* Heller, 1861 synonym of *Z. xanthoides* (Krauss, 1843) = *Z. pumilus* fide FOREST & GUINOT (1961: 52). — *Zozymodes pumilus* - FOREST & GUINOT, 1961: 52, fig. 36a-b (Hikueru); 1962:



62 (Biogeography "Tahiti-Tuamotu"). — SERÈNE, 1984: 153, fig. 90, pl. 14e (Tahiti; Syn.). — GUINOT, 1985: 452 (List) - SYNONYMS - *Leptodius cristatus* Borradaile, 1902.

***Zozymodes xanthoides* (Krauss, 1843)**

DISTRIBUTION. — Tuamotu (Takapoto, Tikehau).

REFERENCES. — *Zozymodes xanthoides* - MONTEFORTE, 1984: 171, annex 1, tab. a (Takapoto). — GUINOT, 1985: 452, with a ? (List). — *Zozymoïdes xanthoides* (sic) - PEYROT-CLAUSADE, 1989: 113 (Tikehau).

SUBFAMILY XANTHINAE

***Lachnopus bidentatus* (A. Milne Edwards, 1867)**

DISTRIBUTION. — Society (Moorea, Tahiti).

REFERENCES. — *Xantho arcuatus* Heller, 1865: 11, pl. 2, fig. 1 (Tahiti). — *Lachnopus bidentatus* - FOREST & GUINOT, 1961: 42, fig. 29-30, 32bis, 33a-b, pl. 7, fig. 1-2 (Tahiti; Syn.); 1962: 62 (Biogeography "Tahiti-Tuamotu"). — PEYROT-CLAUSADE, 1977a, annex of the species: 26; 1977b: 212 (Moorea). — MONTEFORTE, 1984: 170, annex 1, tab. a; 1987: 9 (Moorea). — GUINOT, 1985: 250 (List).

***Lachnopus ponapensis* (Rathbun, 1907)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Xanthias ponapensis* Rathbun, 1907: 44, pl. 7, fig. 5, 5a (Tahiti). — *Paraxanthias ponapensis* - FOREST & GUINOT, 1962: 64 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 451 (List). — *Lachnopus ponapensis* - SERÈNE, 1984: 203 (Key).

***Lachnopus subacutus* (Stimpson, 1858)**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Mataiva).

REFERENCES. — *Lachnopus subacutus* - PEYROT-CLAUSADE, 1977a, annex of the species: 26; 1977b: 212 (Moorea). — MONTEFORTE, 1984: 170, annex 1, tab. a (Mataiva, Moorea, Tahiti); 1987: 9 (Moorea). — SERÈNE, 1984: 204, fig. 122, pl. 29a (Syn.). — GUINOT, 1985: 450, with a ? (List).

***Lachnopus tahitensis* De Man, 1889**

DISTRIBUTION. — Society (Tahiti); Tuamotu (Makatea, Raroia, Takapoto).

REFERENCES. — *Xantho (Lachnopus) tahitensis* de Man, 1889: 418, pl. 9, fig. 4, 4a; 1890: 52 (Tahiti). — *Lachnopus tahitensis* - HOLTHUIS, 1953: 22 (Raroia). — MORRISON, 1954: 16 (Raroia). — FOREST & GUINOT, 1961: 49 (Tahiti); 1962: 62 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1966a: 48 (Raroia); 1985: 450 (List). — MONTEFORTE, 1984: 170, annex 1, tab. a (Makatea, Takapoto). — SERÈNE, 1984: 203, fig. 123, pl. 29d (Tahiti).

***Leptodius davaoensis* Ward, 1941**

DISTRIBUTION. — Tuamotu (Hao, Hikueru, Mataiva, Moruroa, Takapoto).

REFERENCES. — *Leptodius leptodon* Forest & Guinot, 1961: 65, fig. 55-56, 59a-b, pl. 2, fig. 3 (Hikueru) *fide* TAKEDA (1980: 318); 1962: 64 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 170, annex 1, tab. a (Mataiva, Takapoto). — GUINOT, 1985: 450 (List). — *Leptodius exaratus* - NOBILI, 1907: 389 (Hao) not *Leptodius exaratus* (H. Milne Edwards, 1834) = *L. leptodon* nov. in FOREST & GUINOT (1961: 65). — *Leptodius davaoensis* - TAKEDA, 1980: 318 (Syn.). — POUPIN, 1994a: 38, fig. 34, pl. 4e (Hikueru, Moruroa) - RELEVANT MATERIAL - *Leptodius cf. davaoensis* - MONTEFORTE, 1984: 170, annex 1, tab. a (Mataiva). — GUINOT, 1985: 450 (List).

***Leptodius exaratus* (H. Milne Edwards, 1834)**

DISTRIBUTION. — Marquesas (Nuku Hiva); Society; Tuamotu (Raroia).



REFERENCES. — *Leptodius exaratus* - BOONE, 1934: 110, pl. 58 (Nuku Hiva). — FOREST & GUINOT, 1962: 64 (Biogeography "Tahiti-Tuamotu, ?Marquesas"). — SERÈNE, 1984: 183, fig. 106, pl. 26a (Syn.). — GUINOT, 1985: 450 (List). — *Xantho exaratus* - HOLTHUIS, 1953: 27 (Raroia). — MORRISON, 1954: 7 (Raroia). — BUTTENDIJK, 1960: 331, fig. 9k-m (Society). — Not *Leptodius exaratus* (H. Milne Edwards) - NOBILI, 1907: 389 = *Leptodius leptodon* nov. in FOREST & GUINOT (1961: 65) synonym of *L. davaoensis* fide TAKEDA (1980: 318).

***Leptodius gracilis* (Dana, 1852)**

DISTRIBUTION. — Gambier (Rikitea); Tuamotu (Hikueru, Moruroa, Rangiroa, Raroia).

REFERENCES. — *Leptodius gracilis* - NOBILI, 1907: 389 (Rikitea). — FOREST & GUINOT, 1961: 64, fig. 57, 58a-b, pl. 2, fig. 4 (Hikueru); 1962: 62 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 450 (List). — POUPIN, 1994a: 39, fig. 35, pl. 4f (Hikueru, Moruroa). — *Xantho gracilis* - HOLTHUIS, 1953: 27 (Raroia). — MORRISON, 1954: 7 (Raroia). — BUTTENDIJK, 1960: 335 (Rangiroa).

***Leptodius sanguineus* (H. Milne Edwards, 1834)**

DISTRIBUTION. — Gambier (Kamaka, Mangareva, Tarauru-Roa); Marquesas (Nuku Hiva); Society (Bora Bora, Moorea, Tahiti); Tuamotu (Ahe and/or Manihi, Fakarava, Makatea, Makemo, Marutea South, Mataiva, Rangiroa, Taiaro, Takapoto).

REFERENCES. — *Chlorodius sanguineus* - DANA, 1852a: 79; 1852b: 207; 1855, pl. 11, fig. 11a-d ("Waterland" = Ahe and/or Manihi). — *Leptodius sanguineus* - NOBILI, 1907: 389 ("Rikitea" = Mangareva, Kamaka, Marutea South). — RATHBUN, 1907: 39 (Bora Bora, Fakarava, Makatea, Makemo, Mangareva, Nuku Hiva, Rangiroa, Tahiti). — SENDLER, 1923: 37 (Makatea, Tahiti). — BOONE, 1934: 116, pl. 60-61 (Nuku Hiva). — FOREST & GUINOT, 1961: 63, fig. 50a-b ("Gatavake" = Mangareva, Tahiti, "Taraourou-roa" = Tarauru-Roa); 1962: 62 (Biogeography "Tahiti-Tuamotu, Marquesas"). — MONTEFORTE, 1984: 170, annex 1, tab. a (Makatea, Mataiva, Moorea, Tahiti, Takapoto); 1987: 9 (Moorea). — SERÈNE, 1984: 185 (Syn.). — DELESALLE, 1985: 289 (Mataiva). — GUINOT, 1985: 450 (List). — POUPIN, 1994a: 40, fig. 36, pl. 4g (Nuku Hiva, Tahiti, Taiaro). — *Xantho sanguineus* - BUTTENDIJK, 1960: 323 (Nuku Hiva).

***Lioxanthodes alcocki* Calman, 1909**

DISTRIBUTION. — Society (Moorea); Tuamotu (Makatea, Mataiva, Takapoto, Tikehau).

REFERENCES. — *Lioxanthodes alcocki* - MONTEFORTE, 1984: 171, annex 1, tab. a (Makatea, Mataiva, Moorea, Takapoto); 1987: 9 (Moorea). — DELESALLE, 1985: 289 (Mataiva). — GUINOT, 1985: 451 (List). — PEYROT-CLAUSADE, 1989: 113 (Tikehau).

***Macromedaeus crassimanus* (A. Milne Edwards, 1867)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Xantho crassimanus* - BUTTENDIJK, 1960: 318, fig. 9c-f (Tahiti). — *Leptodius crassimanus* - FOREST & GUINOT, 1962: 64 (Biogeography "Tahiti-Tuamotu"). — *Macromedaeus crassimanus* - SERÈNE, 1984: 179, fig. 103, pl. 25b (Syn.). — GUINOT, 1985: 451 (List).

***Macromedaeus distinguendus* (de Haan, 1835)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Macromedaeus distinguendus* - KIM, 1973: 630 (Distribution only, Tahiti). — GUINOT, 1985: 451 (Society; List).

REMARK. — GUINOT (1985) has listed this species after FOREST & GUINOT (1961). These authors have actually examined some *Xantho distinguendus* de Haan, 1835 (p. 57, under *Medaeus noelensis* Ward, 1934), but they are from Hong Kong. It could be that GUINOT refers to KIM (1973), who has quoted "Tahiti" in the distribution of this species. However, this location concerns neither the material examined, nor one of the references cited by KIM under *Macromedaeus distinguendus*. The presence of this species in French Polynesia remains thus doubtful.



***Macromedaeus nudipes* (A. Milne Edwards, 1867)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Xantho nudipes* - FOREST & GUINOT, 1961: 59, fig. 47a-b. (Tahiti); 1962: 62 (Biogeography "Tahiti-Tuamotu"). — *Macromedaeus nudipes* - SERÈNE, 1984: 178, fig. 101, pl. 25a (Syn.). — GUINOT, 1985: 451 (List).

***Neoxanthops cavatus* (Rathbun, 1907)**

DISTRIBUTION. — Tuamotu (Fakarava).

REFERENCES. — *Cycloxanthops cavatus* Rathbun, 1907: 41, pl. 5, fig. 8, pl. 6, fig. 3, 3a (Fakarava). — FOREST & GUINOT, 1962: 62 (Biogeography "Tahiti-Tuamotu"). — *Neoxanthops cavatus* - SERÈNE, 1984: 212, fig. 128, pl. 29f (Syn.). — GUINOT, 1985: 451 (List).

***Paraxanthias notatus* (Dana, 1852)**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Fakarava, Makatea, Makemo, Marutea North?, Marutea South, Mataiva, Takapoto, Tikehau).

REFERENCES. — *Xanthodes notatus* Dana, 1852a: 76 (Tahiti, Tuamotu); 1852b: 178; 1855, pl. 8, fig. 12a-b. (Society or Tuamotu). — *Xanthias notatus* - NOBILI, 1907: 392 (Fakarava, Makatea, Marutea = Marutea North?, Marutea South). — RATHBUN, 1907: 45 (Fakarava, Makemo). — *Paraxanthias notatus* - FOREST & GUINOT, 1961: 76, fig. 70a-b (Tahiti); 1962: 64 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 171, annex 1, tab. a (Makatea, Mataiva, Moorea, Tahiti, Takapoto); 1987: 9 (Moorea). — DELESALLE, 1985: 289 (Mataiva). — GUINOT, 1985: 451 (List). — PEYROT-CLAUSADE, 1989: 113, 115 (Moorea, Tikehau).

***Xanthias canaliculatus* Rathbun, 1907**

DISTRIBUTION. — Society (Moorea); Tuamotu (Makemo).

REFERENCES. — *Xanthias canaliculatus* Rathbun, 1907: 45 (Makemo). — FOREST & GUINOT, 1962: 64 (Biogeography "Tahiti-Tuamotu"). — PEYROT-CLAUSADE, 1977a, annex of the species: 27; 1977b: 212 (Moorea). — GUINOT, 1985: 451 (List).

***Xanthias lamarcki* (H. Milne Edwards, 1834)**

DISTRIBUTION. — Gambier (Tarauru-Roa, Temoe); Society (Bora Bora, Moorea, Raiatea, Tahiti); Tuamotu (Fakarava, Hikueru, Makatea, Makemo, Marutea South, Mataiva, Raroia, Takapoto, Tikehau).

REFERENCES. — *Xanthodes granoso-manus* Dana, 1852a: 75; 1852b: 175; 1855, pl. 8, fig. 10a-c (Society, Tuamotu). — *Xanthias lamarckii* - NOBILI, 1907: 393 (Hikueru, "Timoe" = Temoe). — RATHBUN, 1907: 44 (Bora Bora, Fakarava, Makemo, Tahiti). — SENDLER, 1923: 37 (Makatea). — BOONE, 1934: 131, pl. 70 (Raiatea, Tahiti). — HOLTHUIS, 1953: 26 (Raroia). — MORRISON, 1954: 13 (Raroia). — FOREST & GUINOT, 1961: 70, fig. 63, 66a-b (Hikueru, Marutea, Tahiti, "Taraourou-roa" = Tarauru-Roa); 1962: 64 (Biogeography "Tahiti-Tuamotu"). — PEYROT-CLAUSADE, 1977a, annex of the species: 27; 1977b: 212 (Moorea); 1989: 113 (Tikehau). — MONTEFORTE, 1984: 171, annex 1, tab. a (Mataiva, Moorea, Tahiti, Takapoto); 1987: 9 (Moorea). — SERÈNE, 1984: 195, fig. 112, pl. 27b (Syn.). — DELESALLE, 1985: 305 (Mataiva). — GUINOT, 1985: 451 (List).

***Xanthias latifrons* (De Man, 1888)**

DISTRIBUTION. — Society (Moorea, Tahiti).

REFERENCES. — *Xanthias latifrons* - FOREST & GUINOT, 1961: 70, fig. 67a-b (Tahiti); 1962: 64 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 171, annex 1, tab. a; 1987: 9 (Moorea). — GUINOT, 1985: 451 (List).

***Xanthias nitidulus* (Dana, 1852)**

DISTRIBUTION. — Tuamotu (Marutea South).

REFERENCES. — *Xanthodes nitidulus* Dana, 1852a: 76; 1852b: 177; 1855, pl. 8, fig. 11a-c (Tuamotu). — *Xanthias nitidulus* - NOBILI, 1907: 392 (Marutea South).



REMARK. — FOREST & GUINOT (1961: 72) have placed these two references under *Xanthias tetraodon*, with a ? and this remark "Nous nous abstenons pour l'instant de tirer des conclusions définitives, mais il est probable que lorsqu'on disposera d'une série de *Xanthia tetraodon* de diverses tailles, l'on sera amené à désigner cette espèce sous le nom de *Xanthias nitidulus* (Dana)".

***Xanthias punctatus* (H. Milne Edwards, 1834)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Xanthias punctatus* - FOREST & GUINOT, 1961: 68, fig. 61, 65a-b (Tahiti); 1962: 64 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 451 (List).

***Xanthias tetraodon* (Heller, 1865)**

DISTRIBUTION. — Gambier (Mangareva); Society (Tahiti); Tuamotu (Hao, Hikueru, Makatea, Marutea South?, Mataiva, Raroia, Takapoto).

REFERENCES. — *Eudora tetraodon* Heller, 1865: 14, pl. 2, fig. 3 (Auckland = ? Tahiti in FOREST & GUINOT, 1961). — *Xantho (Eudora) tetraodon* - NOBILI, 1907: 389 (Hao). — *Juxtaxanthias tetraodon* - WARD, 1942: 92 (Mangareva). — HOLTHUIS, 1953: 22 (Raroia). — MORRISON, 1954: 16 (Raroia). — *Xanthias tetraodon* - FOREST & GUINOT, 1961: 72, fig. 61, 68a-c, 69bis (Hikueru, Tahiti); 1962: 64 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1966a: 48 (Raroia); 1985: 451 (List). — MONTEFORTE, 1984: 171, annex 1, tab. a (Makatea, Mataiva, Takapoto). — DELESALLE, 1985: 289 (Mataiva).

REMARK. — ODHNER (1925) and FOREST & GUINOT (1961) consider that the type locality, Auckland, mentioned by HELLER (1865) for the description of *Eudora tetraodon*, is a mistake, and that it could very likely be Tahiti. Moreover, FOREST & GUINOT (1961) mention that this species could be a synonym of *Xanthias nitidulus* (Dana, 1852) (*cf.* above).

SUBFAMILY PANOPEINAE

***Panopeus pacificus* Edmondson, 1931**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Panopeus pacificus* - FOREST & GUINOT, 1961: 116, fig. 102, 103a-b, 104, 105a-b, pl. 4, fig. 3 (Tahiti); 1962: 68 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 452 (List).

SUBFAMILY KRAUSSIINAE

***Palapedia marquesas* (Serène, 1972)**

DISTRIBUTION. — Tuamotu (Anaa).

REFERENCES. — *Kraussia marquesas* Serène, 1972: 53, fig. 14-15, 23g, k (Anaa). — GUINOT, 1985: 449 (List). — *Palapedia marquesas* - NG, 1993: 141 (subfamily nov. and gen. nov.).

***Palapedia rastripes* (Müller, 1887)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Kraussia rastripes* - MONTEFORTE, 1984: 171, annex 1, tab. a (Tahiti). — GUINOT, 1985: 449 (List). — *Palapedia rastripes* - NG, 1993: 141 (subfamily nov. and gen. nov.).

SUBFAMILY ETISINAE

***Etisus bifrontalis* (Edmonson, 1935)**

DISTRIBUTION. — Tuamotu (Hikueru).



REFERENCES. — *Etisodes electra* - NOBILI, 1907: 390 (Hikueru) *pro parte* not *Etisodes electra* (Herbst, 1801) = *Etisus* aff. *bifrontalis* fide GUINOT (1964: 56, 61; *cf.* Remark under *E. electra*). — *Etisus* aff. *bifrontalis* - GUINOT, 1964: 61 (Hikueru); 1985: 450 (List) = *E. bifrontalis* fide SERÈNE (1984: 230).

***Etisus anaglyptus* H. Milne Edwards, 1834**

DISTRIBUTION. — Society (Moorea).

REFERENCES. — *Etisus anaglyptus* - MONTEFORTE, 1984: 170, annex 1, tab. a; 1987: 9 (Moorea). — GUINOT, 1985: 450 (List).

***Etisus demani* Odhner, 1925**

DISTRIBUTION. — Society (Tahiti); Tuamotu (Hikueru?).

REFERENCES. — *Etisus demani* - MONTEFORTE, 1984: 170, annex 1, tab. a (Tahiti). — SERÈNE, 1984: 227, fig. 140, 143a, pl. 31f (Hikueru?; *cf.* Remark). — GUINOT, 1985: 450 (List).

REMARK. — The location "Hikueru" in SERÈNE (1984: 227) is only mentioned in the observations. It is not indicated under the material examined, and was not retrieved in the references cited by SERÈNE. It could be an erroneous reading in GUINOT (1964: 59), where "Hikueru" is cited under *Etisus frontalis* Dana, just beneath *E. demani* Odhner.

***Etisus dentatus* (Herbst, 1785)**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Taiaro).

REFERENCES. — *Etisus dentatus* - BOONE, 1934: 119, pl. 62-63 (Tahiti). — FOREST & GUINOT, 1961: 86, fig. 80a-b (Tahiti); 1962: 64 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 170, annex 1, tab. a (Moorea, Tahiti); 1987: 9 (Moorea). — GUINOT, 1985: 450 (List). — POUPIN, 1994a: 41, fig. 37, pl. 4h (Tahiti, Taiaro).

***Etisus electra* (Herbst, 1801)**

DISTRIBUTION. — Gambier (Mangareva); Society (Tahiti); Tuamotu (Fakarava, Hikueru, Marutea South).

REFERENCES. — *Etisus rugosus* Jacquinet, 1852, pl. 4, fig. 2. — JACQUINOT & LUCAS, 1853: 33 (Mangareva). — *Etisodes electra* - NOBILI, 1907: 390 (Hikueru, "Rikitea" = Mangareva, Marutea South) *pro parte cf.* Remark. — RATHBUN, 1907: 42 (Fakarava). — FOREST & GUINOT, 1961: 89, fig. 82a-b (Tahiti); 1962: 66 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 450 (List). — *Etisus electra* - MONTEFORTE, 1984: 170, annex 1, tab. a (Tahiti). — SERÈNE, 1984: 228 (Syn.).

REMARK. — GUINOT (1964: 54) indicates that the material from Hikueru, attributed by NOBILI to *E. electra*, includes in fact three species: *E. electra*, *Etisus frontalis* (Dana, 1852), and *E. aff. bifrontalis* (Edmonson, 1935).

***Etisus frontalis* (Dana, 1852)**

DISTRIBUTION. — Society (Moorea); Tuamotu (Hikueru).

REFERENCES. — *Etisodes electra* - NOBILI, 1907: 390 (Hikueru) *pro parte* not *Etisus electra* (Herbst, 1801) = *E. frontalis* fide GUINOT (1964: 54; *cf.* Remark under *E. electra*). — *Etisus frontalis* - GUINOT, 1964: 54 (Hikueru). — ODINETZ, 1983: 209 (Moorea). — SERÈNE, 1984: 229, fig. 139, pl. 31e (Syn.). — GUINOT: 1985: 450 (List). — *Etisodes frontalis* - GUINOT, 1985: 450 (List; *cf.* Remark).

REMARK. — In her list, GUINOT (1985: 450) mentions the two following species: "*Etisodes frontalis* (Dana, 1852) and *Etisus frontalis* Dana, 1852". It is obviously a mistake for a single species, described under *Etisodes frontalis* by DANA (1852b: 187).

***Etisus laevimanus* Randall, 1839**

DISTRIBUTION. — Gambier (Mangareva); Society (Bora Bora); Tuamotu (Mataiva).

REFERENCES. — *Etisus macrodactylus* - JACQUINOT, 1852, pl. 9, fig. 2 (Mangareva). — JACQUINOT & LUCAS, 1853: 30 (Mangareva). — *Etisus laevimanus* - NOBILI, 1907: 390 ("Rikitea" = Mangareva). — RATHBUN, 1907: 42 (Bora Bora). — FOREST & GUINOT, 1961: 88 (Mangareva); 1962: 66 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 170,



annex 1, tab. a (Mataiva). — SERÈNE, 1984: 225 (Syn.). — GUINOT, 1985: 450 (List). — DELESALLE, 1985: 289 (Mataiva). — POUPIN, 1994a: 42, fig. 38, pl. 5a (Mangareva) - SYNONYMS - *Etisus macrodactylus* Bianconi, 1851.

***Etisus punctatus* Jacquinot, 1852**

DISTRIBUTION. — Gambier (Mangareva).

REFERENCES. — *Etisus punctatus* Jacquinot, 1852, pl. 3, fig. 5. — JACQUINOT & LUCAS, 1853: 31 (Mangareva).

REMARK. — This *Etisus* has been figured by JACQUINOT, then described by JACQUINOT & LUCAS with this commentary "Cette espèce n'ayant pas été déposée au Muséum, c'est d'après la figure qui en a été donnée par MM. HOMBRON et JACQUINOT que nous avons fait cette description". According to JACQUINOT & LUCAS, *Etisus punctatus* is related to *E. macrodactylus* Bianconi, 1851 (= *E. laevimanus* Randall, 1851) and to *E. anaglyptus* H. Milne Edwards, 1834.

***Etisus splendidus* Rathbun, 1906**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Hikueru, Mataiva?, Raroia, Taiaro, Takapoto).

REFERENCES. — *Etisus (Etisodes) splendidus* - HOLTHUIS, 1953: 21 (Raroia). — MORRISON, 1954: 16 (Raroia). — *Etisus splendidus* - FOREST & GUINOT, 1961: 88, fig. 81a-c (Hikueru); 1962: 66 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1966a: 48 (Raroia); 1985: 450 (List). — MONTEFORTE, 1984: 170, annex 1, tab. a (Mataiva?, Moorea, Tahiti, Takapoto?). — SALVAT, 1986b: 72, photograph (French Polynesia). — BONVALLOT *et al.*, 1994: 145 (Tuamotu). — POUPIN, 1994a: 43, fig. 39, pl. 5b (Taiaro, Takapoto).

SUBFAMILY CHLORODIINAE

***Chlorodiella barbata* (Borradaile, 1900)**

DISTRIBUTION. — Gambier (Mangareva); Society (Moorea, Tahiti); Tuamotu (Mataiva, Marutea South, Takapoto, Tikehau).

REFERENCES. — *Chlorodiella barbata* - FOREST & GUINOT, 1961: 96, fig. 93-94, 99a-b, 100 (Mangareva, Marutea South, Tahiti); 1962: 66 (Biogeography "Tahiti-Tuamotu"). — PEYROT-CLAUSADE, 1977a, annex of the species: 26; 1977b: 213; 1985: 462 (Moorea); 1989: 112 (Tikehau). — NAIM, 1980a, annex 1, tab. 3; 1980b: 550 (Moorea). — THOMASSIN *et al.*, 1982: 394 (Moorea). — ODINETZ, 1983: 97 (Moorea). — MONTEFORTE, 1984: 170, annex 1, tab. a (Mataiva, Moorea, Tahiti, Takapoto); 1987: 9 (Moorea). — DELESALLE, 1985: 289 (Mataiva). — GALZIN & POINTIER, 1985: 100 (Moorea). — GUINOT, 1985: 450 (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Moorea and/or Tahiti). — SALVAT & RICHARD, 1985: 360 (Takapoto).

***Chlorodiella cytherea* (Dana, 1852)**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Hikueru, Mataiva, Raraka, Takapoto, Tikehau).

REFERENCES. — *Chlorodius cytherea* Dana 1852a: 79; 1852b: 213; 1855, pl. 12, fig. 2a-c (Raraka, Tahiti). — *Chlorodiella cytherea* - FOREST & GUINOT, 1961: 95, fig. 90-92, 98a-b (Hikueru, Tahiti); 1962: 66 (Biogeography "Tahiti-Tuamotu"). — PEYROT-CLAUSADE, 1977a, annex of the species: 26; 1977b: 213 (Moorea); 1989: 112 (Tikehau). — NAIM, 1980a, annex 1, tab. 3 (Moorea). — MONTEFORTE, 1984: 170, annex 1, tab. a (Mataiva, Moorea, Tahiti, Takapoto); 1987: 9 (Moorea). — DELESALLE, 1985: 289 (Mataiva). — GUINOT, 1985: 450 (List).

***Chlorodiella laevisissima* (Dana, 1852)**

DISTRIBUTION. — Gambier (Mangareva); Marquesas (Nuku Hiva); Society (Bora Bora, Moorea, Tahiti); Tuamotu (Fakarava, Hao, Makatea, Makemo, Mataiva, Rangiroa, Takapoto, Tikehau) - *Littoral to sublittoral*.

REFERENCES. — *Chlorodius laevisimus* - NOBILI, 1907: 393 ("Rikitea, Gatavake" = Mangareva, "Ohura" = Hao). — *Chlorodiella laevisissima* - RATHBUN, 1907: 46 (Fakarava, Makemo, Rangiroa, Tahiti; 46m). — FOREST & GUINOT, 1961: 95, fig. 95-96, 101a-b (Tahiti); 1962: 66 (Biogeography "Tahiti-Tuamotu"). — PEYROT-CLAUSADE, 1977a, annex of the species: 26; 1977b: 213; 1985: 462 (Moorea); 1989: 111, 114 (Moorea, Tikehau). — ODINETZ, 1983: 209 (Moorea, Tahiti). — MONTEFORTE, 1984: 170, annex 1, tab. a (Makatea, Mataiva, Moorea, Tahiti, Takapoto); 1987: 9



(Moorea). — SERÈNE, 1984: 260, fig. 171-172, pl. 36d-e (Syn.). — DELESALLE, 1985: 289 (Mataiva). — GUINOT, 1985: 450 (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Moorea and/or Tahiti). — *Chlorodiella laevis* - BOONE, 1934: 138, pl. 72 (Nuku Hiva, Tahiti).

***Chlorodiella nigra* (Forskål, 1775)**

DISTRIBUTION. — Gambier (Mangareva); Society (Bora Bora, Moorea, Tahiti); Tuamotu (Fakarava, Hao, Makatea, Makemo, Marutea South, Mataiva, Nukutipipi, Rangiroa, Raraka, Takapoto, Tikehau).

REFERENCES. — *Chlorodius niger* - HELLER, 1865: 18 (Tahiti). — STIMPSON, 1858a: 33; 1907: 50 (Tahiti). — NOBILI, 1907: 393 ("Gatavake" = Mangareva, Hao, Marutea, "Tikahan" = Tikehau). — *Chlorodiella niger* - RATHBUN, 1907: 46 (Bora Bora, Fakarava, Makemo, Rangiroa). — SENDLER, 1923: 38 (Makatea). — SEURAT, 1934: 59 ("Gatavake" = Mangareva, Hao, Marutea South, "Tikahau" = Tikehau). — *Chlorodiella nigra* - FOREST & GUINOT, 1961: 95, fig. 87-89, 97a-b (Tahiti); 1962: 66 (Biogeography "Tahiti-Tuamotu"). — PEYROT-CLAUSADE, 1977a, annex of the species: 26; 1977b: 213 (Moorea). — KROPP & BIRKELAND, 1981: 630, tab. 5 (Moorea, Takapoto). — THOMASSIN *et al.*, 1982: 394 (Moorea). — MONTEFORTE, 1984: 170, annex 1, tab. a, photograph p. 136a (Mataiva, Moorea, Tahiti, Takapoto); 1987: 9 (Moorea). — SERÈNE, 1984: 258, fig. 168, pl. 36b (Syn.). — DELESALLE, 1985: 288 (Mataiva). — GUINOT, 1985: 450 (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Moorea and/or Tahiti, Takapoto). — MERSCHARDT-SALVAT, 1991: 89 (Nukutipipi).

***Garthiella aberrans* (Rathbun, 1906)**

DISTRIBUTION. — Society (Moorea); Tuamotu (Tikehau) - *Littoral to sublittoral*.

REFERENCES. — *Pilodius aberrans* - PEYROT-CLAUSADE, 1977a, annex of the species: 27; 1977b: 212 (Moorea); 1989: 111, 115 (Moorea, Tikehau; 30m). — GUINOT, 1985: 451 (List). — *Garthiella aberrans* - TITGEN, 1986: 57, fig. 1-2 (Syn.).

***Liocarpilodes armiger* (Nobili, 1906)**

DISTRIBUTION. — Society (Moorea); Tuamotu (Tikehau) - *Littoral to sublittoral*.

REFERENCES. — *Liocarpilodes armiger* - PEYROT-CLAUSADE, 1977a, annex of the species: 26; 1977b: 213 (Moorea); 1989: 111, 115 (Moorea, Tikehau; 30m). — GUINOT, 1985: 450, with a ? (List).

***Liocarpilodes harmsi* (Balss, 1934)**

DISTRIBUTION. — Society (Moorea).

REFERENCES. — *Pilodius harmsi* - PEYROT-CLAUSADE, 1977a, annex of the species: 27; 1977b: 213 (Moorea). — *Liocarpilodes harmsi* - SERÈNE, 1984: 264 (Syn.).

***Liocarpilodes integerrimus* (Dana, 1852)**

DISTRIBUTION. — Gambier (Mangareva); Society (Moorea, Tahiti); Tuamotu (Fakarava, Mataiva, Takapoto, Tikehau).

REFERENCES. — *Actumnus integerrimus* - RATHBUN, 1907: 56, pl. 1, fig. 12, pl. 8, fig. 3, 3a-b (Fakarava, Tahiti). — *Pilumnus margaritatus* - NOBILI, 1907: 398 ("Rikitea" = Mangareva) not *Pilumnus margaritatus* Ortmann, 1893 = *L. integerrimus* fide GUINOT (1964: 63). — *Liocarpilodes integerrimus* - FOREST & GUINOT, 1962: 64 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1964: 63, fig. 36a-b ("Rikitea" = Mangareva). — PEYROT-CLAUSADE, 1977a, annex of the species: 26; 1977b: 213; 1985: 462 (Moorea); 1989: 111, 115 (Moorea, Tikehau). — MONTEFORTE, 1984: 171, annex 1, tab. a (Mataiva, Moorea, Tahiti, Takapoto); 1987: 9 (Moorea). — DELESALLE, 1985: 289 (Mataiva). — GUINOT, 1985: 450 (List).

***Phymodius granulatus* (De Man, 1888)**

DISTRIBUTION. — Society (Moorea and/or Tahiti).

REFERENCES. — *Phymodius granulatus* - GUINOT, 1985: 451, with a ? (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Moorea and/or Tahiti).



REMARK. — ODINETZ does not mention this material in her thesis (1983), but it is recorded in the Museum of Paris (MNHN B17071, coll. ODINETZ 1981 "Moorea, Tahiti, Takapoto, associé au *Pocillopora damicornis* et *P. elegans*", det. GUINOT).

***Phymodius monticulosus* (Dana, 1852)**

DISTRIBUTION. — Gambier (Mangareva); Society (Moorea, Tahiti); Tuamotu (Fakahina, Fakarava, Mataiva, Marutea South, Takapoto).

REFERENCES. — *Chlorodius monticulosus* Dana, 1852a: 79; 1852b: 206; 1855, pl. 11, fig. 9a (Tahiti). — STIMPSON, 1858a: 31; 1907: 50 (Tahiti). — *Chlorodius Dehaanii* - HELLER, 1865: 19 (Tahiti) *pro parte*, some sp. attributed to *Phymodius unguulatus* in FOREST & GUINOT (1961: 106, 114), not *C. Dehaanii*, synonym of *Phymodius granulatus* (Targioni Tozzetti, 1877) in SERÈNE (1984: 250). — *Cyclodius ornatus* - NOBILI, 1907: 397 (Fakahina, Marutea South). — RATHBUN, 1907: 51, pl. 5, fig. 5, pl. 7, fig. 8 (Fakarava, Tahiti). — *Phymodius monticulosus* - FOREST & GUINOT, 1961: 106, pl. 10, fig. 1-6 (Fakahina, Marutea South, Tahiti); 1962: 66 (Biogeography "Tahiti-Tuamotu"). — NAIM, 1980a, annex 1, tab. 3 (Moorea). — MONTEFORTE, 1984: 171, annex 1, tab. a (Mataiva, Moorea, Tahiti, Takapoto); 1987: 9 (Moorea). — GUINOT, 1985: 451 (List). — POUPIN, 1994a: 44, fig. 40, pl. 5c (Fakahina, Mangareva) - SYNONYMS - *Cyclodius ornatus* Dana, 1852.

***Phymodius nitidus* (Dana, 1852)**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Kaukura, Tikehau).

REFERENCES. — *Pilodius nitidus* - NOBILI, 1907: 393 (Kaukura). — *Chlorodopsis scabricula* - RATHBUN, 1907: 50, pl. 1, fig. 3, pl. 9, fig. 5 (Tahiti) not *Pilodius scabriculus* (Dana, 1852) = *Phymodius nitidus* fide FOREST & GUINOT (1961: 114). — *Phymodius nitidus* - FOREST & GUINOT, 1961: 114, pl. 15, fig. 1-4 (Kaukura, Tahiti); 1962: 68 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 171, annex 1, tab. a; 1987: 9 (Moorea). — GUINOT, 1985: 451 (List). — PEYROT-CLAUSADE, 1989: 113 (Tikehau).

***Phymodius unguulatus* (H. Milne Edwards, 1834)**

DISTRIBUTION. — Gambier (Mangareva); Society (Bora Bora, Moorea, Raiatea, Tahiti); Tuamotu (Fakahina, Fakarava, Hikueru, Makemo, Mataiva, Rangiroa, Raroia, Takapoto, Tikehau).

REFERENCES. — *Chlorodius unguulatus* - DANA, 1852b: 205; 1855, pl. 11, fig. 8a-b (Tahiti). — *Chlorodius dehaanii* - HELLER, 1865: 19 (Tahiti) *pro parte fide* FOREST & GUINOT (1961: 110), not *C. Dehaanii*, synonym of *Phymodius granulatus* (Targioni Tozzetti, 1877) in SERÈNE (1984: 250). — *Cyclodius gracilis* - NOBILI, 1907: 397 (Fakahina, "Rikitea" = Mangareva). — *Phymodius unguulatus* - RATHBUN, 1907: 46, pl. 3-4 (Bora Bora, Fakarava, Makemo, Rangiroa, Tahiti) *pro parte fide* FOREST & GUINOT (1961: 110; *cf.* Remark). — NOBILI, 1907: 393 ("Rikitea" = Mangareva). — BOONE, 1934: 140, pl. 73 (Raiatea, Tahiti) *pro parte fide* FOREST & GUINOT (1961: 110). — HOLTHUIS, 1953: 25 (Raroia). — FOREST & GUINOT, 1961: 110, fig. 86a-b, pl. 11, fig. 1-4, pl. 12, fig. 1-4, pl. 13, fig. 1-3, pl. 14, fig. 1-3 (Fakahina, Hikueru, Mangareva, Tahiti); 1962: 66 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1964: 74, fig. 38 (Tahiti); 1985: 451 (List). — PEYROT-CLAUSADE, 1977a, annex of the species: 27; 1977b: 213 (Moorea); 1989: 113 (Tikehau). — MONTEFORTE, 1984: 171, annex 1, tab. a (Mataiva, Moorea, Tahiti, Takapoto); 1987: 9 (Moorea). — SERÈNE, 1984: 251, fig. 158, 161, pl. 35e (Tahiti; Syn.). — DELESALLE, 1985: 288 (Mataiva). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Moorea and/or Tahiti, Takapoto). — SALVAT & RICHARD, 1985: 356 (Takapoto) - SYNONYMS - *Cyclodius gracilis* Dana, 1852.

REMARK. — FOREST & GUINOT (1961: 111) indicate that RATHBUN's material is only partially assignable to this species, but without mentioning the localities referring to the real *Phymodius unguulatus*. Thus, for this species, some of the islands mentioned by RATHBUN are doubtful.

***Pilodius areolatus* (H. Milne Edwards, 1834)**

DISTRIBUTION. — Gambier (Mangareva); Society (Bora Bora, Moorea, Tahiti); Tuamotu (Hikueru, Makemo, Marutea South, Mataiva, Raroia).

REFERENCES. — *Actaeodes affinis* Dana, 1852a: 78; 1852b: 197; 1855, pl. 11, fig. 3 (Tahiti, Tuamotu). — *Actaea affinis* - RATHBUN, 1907: 42 (Makemo). — *Chlorodopsis areolata* - NOBILI, 1907: 396, pl. 2, fig. 3 (Hikueru, "Rikitea")



= Mangareva, Marutea South). — HOLTHUIS, 1953: 15 (Raroia). — MORRISON, 1954: 13 (Raroia). — *Pilodius areolatus* - FOREST & GUINOT, 1961: 90 (Hikueru, Tahiti); 1962: 66 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 171, annex 1, tab. a (Mataiva). — GUINOT, 1985: 451 (List). — CLARK & GALIL, 1993: 1125, fig. 1a-g, 31a, 40a, 44b (Bora Bora, "Maharepa, Afareaitu, Temae" = Moorea; Syn.).

#### *Pilodius flavus* Rathbun, 1893

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Hao, Tikehau).

REFERENCES. — *Pilodius pubescens* - NOBILI, 1907: 395, with a ? ("Ohura" = Hao) not *Pilodius pubescens* Dana, 1852 = *P. flavus* fide CLARK & GALIL (1993: 1130, 1146). — *Pilodius flavus* - FOREST & GUINOT, 1961: 95 (Tahiti); 1962: 66 (Biogeography "Tahiti-Tuamotu"). — PEYROT-CLAUSADE, 1977a, annex of the species: 27 (Moorea); 1989: 111, 115 (Moorea, Tikehau). — GUINOT, 1985: 451 (List). — CLARK & GALIL, 1993: 1130, fig. 4a-g, 32b, 40d, 41a (Syn.).

#### *Pilodius paumotensis* Rathbun, 1907

DISTRIBUTION. — Society (Bora Bora); Tuamotu (Fakarava, Makemo, Marutea South, Tikehau).

REFERENCES. — *Chlorodopsis granulatus* - NOBILI, 1906: 396 (Marutea South) not *Pilodius granulatus* Stimpson, 1859 = *P. paumotensis* fide GUINOT (1962: 238). — *Pilodius paumotensis* Rathbun 1907: 52, pl. 8, fig. 2, 2a-b (Fakarava, Makemo). — FOREST & GUINOT, 1962: 66 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 451 (List). — PEYROT-CLAUSADE, 1989: 113 (Tikehau). — CLARK & GALIL, 1993: 1143, fig. 10a-g, 35b, 43a (Bora Bora, Fakarava, Makemo, Marutea South).

#### *Pilodius pubescens* Dana, 1852

DISTRIBUTION. — Society (Moorea).

REFERENCES. — *Pilodius pubescens* - GUINOT, 1985: 451 (List; probably after NOBILI, cf. under *P. flavus*). — CLARK & GALIL, 1993: 1146, fig. 12a-g, 36b, 43b ("Temae" = Temae at Moorea, Society). — Not *Pilodius pubescens* - NOBILI, 1907: 395, with a ? = *P. flavus* in CLARK & GALIL (1993: 1130).

#### *Pilodius pugil* Dana, 1852

DISTRIBUTION. — Gambier (Mangareva); Society (Bora Bora, Moorea, Tahiti); Tuamotu (Fakarava, Hikueru, Makatea, Makemo, Mataiva, Rangiroa, Takapoto, Tikehau).

REFERENCES. — *Chlorodopsis pugil* - NOBILI, 1907: 395 ("Rikitea" = Mangareva). — *Chlorodopsis spinipes* - RATHBUN, 1907: 50, pl. 2, fig. 5 (Bora Bora, Fakarava, Makemo, Rangiroa) not *Pilodius spinipes* Heller, 1861 = *P. pugil* fide CLARK & GALIL (1983: 1149). — *Pilumnus globosus* - BOONE, 1934: 152, pl. 78 (Tahiti) not *Globopilumnus globosus* (Dana, 1852) = *Pilodius pugil* with a ? fide SERÈNE & LUOM (1959: 320). — *Pilodius pugil* - FOREST & GUINOT, 1961: 91 (Hikueru, Mangareva); 1962: 64 (Biogeography "Tahiti-Tuamotu"). — PEYROT-CLAUSADE, 1977a, annex of the species: 27; 1977b: 213; 1985: 462 (Moorea); 1989: 113 (Tikehau). — MONTEFORTE, 1984: 171, annex 1, tab. a (Makatea, Mataiva, Moorea, Tahiti, Takapoto); 1987: 9 (Moorea). — DELESALLE, 1985: 289, 305 (Mataiva). — GUINOT, 1985: 451 (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Moorea, Tahiti, Takapoto). — SALVAT & RICHARD, 1985: 358, 360 (Takapoto). — CLARK & GALIL, 1993: 1149, fig. 13a-g, 37a, 43c (Hikueru, Mangareva, "Temae, Tiahura and Afareaitu" = Moorea, Tahiti, Takapoto).

#### *Pilodius scabriculus* Dana, 1852

DISTRIBUTION. — Gambier (Temoe); Society (Bora Bora, Huahine, Maiao?, Moorea, Tahaa?, Tahiti); Tuamotu (Fakarava, Fakahina, Hao, Hikueru, Makatea, Makemo, Marutea North?, Marutea South, Mataiva, Raraka, Takapoto, Tikehau).

REFERENCES. — *Pilodius scabriculus* Dana, 1852a: 80; 1852b: 220; 1855, pl. 12, fig. 9 (Raraka). — NOBILI, 1907: 394 ("Fakaina" = Fakahina, Fakarava, Marutea, Marutea South, Temoe). — FOREST & GUINOT, 1961: 91, fig. 83a-b, 84, 86bis (Hikueru, Tahiti); 1962: 66 (Biogeography "Tahiti-Tuamotu"). — PEYROT-CLAUSADE, 1977a, annex of the species: 27; 1977b: 213 (Moorea); 1989: 113 (Tikehau). — MONTEFORTE, 1984: 171, annex 1, tab. a (Makatea, Mataiva, Moorea, Tahiti, Takapoto); 1987: 9 (Moorea). — DELESALLE, 1985: 289, 305 (Mataiva). — GUINOT, 1985: 451 (List). — CLARK & GALIL, 1993: 1152, fig. 14a-g, 37b, 43d (Bora Bora, Fakahina, Hao, Hikueru, Huahine, Maiai =



Maiao?, Marutea, Moorea, Raiatea, Tahiti, Temoe, "Tickahau" = Tikehau, "Vaiorea" = Vaitoare?, Tahaa; Syn.). — *Chlorodopsis venusta* Rathbun, 1907: 49, pl. 1, fig. 5 (Fakarava, Makemo).

***Tweedieia laysani* (Rathbun, 1906)**

DISTRIBUTION. — Tuamotu (Tikehau).

REFERENCES. — *Tweedieia laysani* - PEYROT-CLAUSADE, 1989: 112 (Tikehau).

***Tweedieia odhneri* (Gordon, 1934)**

DISTRIBUTION. — Society (Moorea).

REFERENCES. — *Tweedieia odhneri* - PEYROT-CLAUSADE, 1977a, annex of the species: 27; 1977: 212 (Moorea). — GUINOT, 1985: 451, with a ? (List).

FAMILY TRAPEZIIDAE

***Jonesius triunguiculatus* (Borradaile, 1902)**

DISTRIBUTION. — Society (Raiatea).

REFERENCES. — *Jonesius triunguiculatus* - GALIL & TAKEDA, 1986: 165, fig. 1-4 ("Tetaro" = Raiatea).

***Quadrella lewinsohni* Galil, 1986**

DISTRIBUTION. — Marquesas (Tahuata).

REFERENCES. — *Quadrella* sp. - MONOD, 1979: 9, fig. 1-8 (Tahuata). — *Quadrella cyrenae* - SERÈNE, 1975: 510, fig. 3-4, pl. 1b', e' (Tahuata; MONOD's material) not *Q. cyrenae* Ward, 1942, synonym of *Q. maculosa* Alcock, 1898 = *Q. lewinsohni* nov. in GALIL (1986a: 285). — GUINOT, 1985: 452 (List). — *Quadrella lewinsohni* Galil, 1986a: 285, fig. 5a-b, 6 (Marquesas; MONOD's and SERÈNE's material).

***Quadrella maculosa* Alcock, 1898**

DISTRIBUTION. — Marquesas (Fatu Hiva) - Littoral to sublittoral.

REFERENCES - *Quadrella maculosa* - NEW MATERIAL - Coll. J. POUPIN, det. B. GALIL (Fatu Hiva; 49m).

***Tetralia cinctipes* Paulson, 1875**

DISTRIBUTION. — Austral (Rapa) - Sublittoral.

REFERENCES. — *Tetralia cinctipes* - GALIL, 1986b: 97, fig. 1-3 (Rapa; 90m).

***Tetralia glaberrima* (Herbst, 1790)**

DISTRIBUTION. — Marquesas (Nuku Hiva); Society (Raiatea, Tahiti); Tuamotu (Aratika, Fakarava, Hikuera, Makemo, Marutea South, Tikehau).

REFERENCES. — *Tetralia glaberrima* - DANA, 1852b: 262; 1855, pl. 16, fig. 3a-h ("Carlshoff" = Aratika, Tahiti). — ORTMANN, 1893b: 485 (Tahiti). — NOBILI, 1907: 404 (Marutea). — RATHBUN, 1907: 60 (Fakarava, Makemo, Tahiti). — BOONE, 1934: 174, pl. 89 (Raiatea, Tahiti). — SEURAT, 1934: 59 (Tahiti, Marutea South, Marquesas). — FOREST & GUINOT, 1961: 139 (Hikuera); 1962: 70 (Biogeography "Tahiti-Tuamotu, Marquesas"). — SERÈNE, 1984: 281 (Syn.; cf. Remark). — GUINOT, 1985: 452 (List). — PEYROT-CLAUSADE, 1989: 111 (Tikehau). — *Trapezia serratifrons* Jacquinet, 1852, pl. 4, fig. 20-23. — JACQUINOT & LUCAS, 1853: 47 (Nuku Hiva). — *Tetralia cavimana* - HELLER, 1865: 26 (Tahiti) - SYNONYMS - *Tetralia cavimana* Heller, 1861.

REMARK. — In SERÈNE (1984: 281) all the above references (except BOONE, 1934, and PEYROT-CLAUSADE, 1989) can be attributed either to *T. glaberrima* or to *T. heterodactyla* Heller, 1861. However, the specimens attributed to *cavimana*, and the specimens identified to *glaberrima* with a figure of the male pleopod, are *T. glaberrima* without hesitation.



*Tetraloides nigrifrons* (Dana, 1852)

DISTRIBUTION. — Society (Raiatea); Tuamotu (Makemo, Pukapuka, Tikehau).

REFERENCES. — *Tetralia nigrifrons* Dana, 1852a: 83; 1852b: 262; 1865, pl. 16, fig. 2a-d ("Honden" = Pukapuka). — *Tetraloides nigrifrons* - GALIL, 1985: 72, fig. 1-3 (Makemo, Tikehau, "Taoru" = Raiatea).

*Trapezia areolata* Dana, 1852

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Hikueru, Takapoto).

REFERENCES. — *Trapezia areolata* Dana, 1852a: 83; 1852b: 259; 1855, pl. 15, fig. 8a (Tahiti). — CANO, 1888: 173 (Tahiti). — ORTMANN 1893b: 485 (Tahiti; cf. Remark). — FOREST & GUINOT, 1961: 135, fig. 133 (Hikueru). — ODINETZ, 1983: 31 (French Polynesia). — ODINETZ, 1984a: 443, fig. 3c, 4c (Moorea, Tahiti, Takapoto). — GALIL & LEWINSOHN, 1985a: 286, fig. 1, 3-4 (Tahiti). — GUINOT, 1985: 452 (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Moorea, Tahiti, Takapoto). — ? *Trapezia ferruginea areolata* - SEURAT, 1934: 59 (Tahiti). — *Trapezia reticulata* - KROPP & BIRKELAND, 1981: 629 (Moorea, Takapoto). — ODINETZ, 1983: 31, 205 photograph 3 (Moorea, Tahiti, Takapoto). — GUINOT, 1985: 452 (List; after ODINETZ, 1983) - All, not *Trapezia reticulata* Stimpson, 1858, synonym of *T. septata* Dana, 1852 = *T. areolata* fide ODINETZ (1984a: 443; does not mention KROPP & BIRKELAND, but it is probably the same material).

REMARK. — In GALIL & LEWINSOHN (1985a), ORTMANN's (1893b) work, in which *T. areolata* is recorded from Tahiti, New Guinea, and Palau, is cited at the same time under *T. areolata* and *T. septata*. It is probable that the two Tahitian specimens belong to *T. areolata*, and the other to *T. septata* (opt. cit.: 291).

*Trapezia bella* Dana, 1852

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Aratika, Hikueru, Mataiva, Takapoto).

REFERENCES. — *Trapezia bella* Dana, 1852a: 83; 1852b: 254; 1855, pl. 15, fig. 2 ("Carlshoff" = Aratika). — FOREST & GUINOT, 1961: 133, fig. 129-130, 135a-b (Hikueru); 1962: 70 (Biogeography "Tahiti-Tuamotu"). — KROPP & BIRKELAND, 1981: 629 (Moorea, Takapoto). — ODINETZ, 1983: 206 (Tahiti, Takapoto). — SERÈNE, 1984: 278 (Syn.). — DELESALLE, 1985: 289 (Mataiva). — GUINOT, 1985: 452 (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Tahiti?, Takapoto). — *Trapezia digitalis bella* - RATHBUN, 1907: 59 (Tahiti). — Not *Trapezia bella* Dana - NOBILI, 1907: 403 (Hao). — SEURAT, 1934: 59 (Hao; NOBILI's material) = *Trapezia speciosa* fide SERÈNE (1984: 278).

*Trapezia cymodoce* (Herbst, 1799)

DISTRIBUTION. — Marquesas (Nuku Hiva); Society (Bora Bora, Moorea, Tahiti); Tuamotu (Fakarava, Makemo, Rangiroa, Takapoto).

REFERENCES. — *Trapezia dentata* - DANA, 1852b: 258; 1855, pl. 15, fig. 6a-d (Tahiti). — *Trapezia hirtipes* Jacquinet, 1852, pl. 4, fig. 14-16 (Nuku Hiva). — JACQUINOT & LUCAS, 1853: 44 (Nuku Hiva). — *Trapezia cymodoce dentata* - RATHBUN, 1907: 58 (Bora Bora, Fakarava, Makemo, Rangiroa; cf. Remark). — *Trapezia cymodoce ferruginea* - RATHBUN, 1907: 58 (Bora Bora, Fakarava, Makemo, Rangiroa; cf. Remark). — *Trapezia ferruginea dentata* - SEURAT, 1934: 59 (Tahiti). — *Trapezia cymodoce* - ORTMANN, 1897b: 203 (Tahiti). — SEURAT, 1934: 59 (Tahiti, Marquesas). — ODINETZ, 1983: 205, photograph 2 (Moorea, Takapoto, Tahiti); 1984a: 432, fig. 1-2 (Moorea, Tahiti, Takapoto; *pro parte*, some specimens would belong to *T. ferruginea*, cf. Remark under that species). — GUINOT, 1985: 452 (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Moorea?, Tahiti, Takapoto). — GALIL & CLARK, 1990: 378 (Syn.). — *Trapezia cymodoce* sp.1 - KROPP & BIRKELAND, 1981: 629 (Moorea, Takapoto) fide distinction in ODINETZ (1984b: 124). — ODINETZ, 1984b: 125 (Moorea, Tahiti, Takapoto). — Not *Trapezia cymodoce* - DANA, 1852b: 257; 1855, pl. 15, fig. 5a-i (Tahiti). — SENDLER, 1923: 39 (Tahiti) - The two references = *T. ferruginea* Latreille 1825 fide GALIL & CLARK (1990: 378) - SYNONYMS - *Trapezia dentata* (Macleay, 1838).

REMARK. — The material attributed to *T. cymodoce dentata* by RATHBUN (1907) has been partially re-examined by GALIL & CLARK (1990; sp. of Ellice islands "Funafuti reef") and belongs to *T. cymodoce*. Arbitrarily we also attribute to this species the material from French Polynesia. Concerning the *T. cymodoce ferruginea* also recorded by this author, from French Polynesia, Ellice, and Easter island, they would belong in part to that species (?Bora Bora, Fakarava, Makemo, Rangiroa), in part to *T. guttata* Rüppell (2 sp. from "Mohican reef" at Rangiroa) (cf. GALIL & CLARK, 1990: 380-382), and in part to *T. punctimanus* (sp. from Easter island; cf. ODINETZ 1984a: 446).



***Trapezia digitalis* Latreille, 1825**

DISTRIBUTION. — Marquesas (Nuku Hiva); Tuamotu (Makatea, Takapoto).

REFERENCES. — *Trapezia fusca* Jacquinet, 1852, pl. 4, fig. 17-19. — JACQUINOT & LUCAS, 1853: 45 (Nuku Hiva). — *Trapezia digitalis* - SENDLER, 1923: 40 (Makatea). — FOREST & GUINOT, 1962: 70 (Biogeography "Tahiti-Tuamotu, Marquesas"). — ODINETZ, 1983: 31, 206 (Takapoto; cf. Remark). — SERÈNE, 1984: 277 (Syn.). — GUINOT, 1985: 452 (List).

REMARK. — Although ODINETZ (1983: 31) has indicated that her material was collected at Guam, one specimen in table 9 (p. 206) is recorded from Takapoto.

***Trapezia ferruginea* Latreille, 1825**

DISTRIBUTION. — Marquesas (Nuku Hiva); Society (Bora Bora, Moorea, Raiatea, Tahiti); Tuamotu (Takapoto).

REFERENCES. — *Trapezia ferruginea* - DANA, 1852b: 260; 1855, pl. 16, fig. 1a-b (Tahiti, *pro parte*, see under *T. guttata*; Samoan specimens are *T. serenei* fide ODINETZ, 1984a: 440, 442). — BOONE, 1934: 171, pl. 88 (Bora Bora, Nuku Hiva, Raiatea). — SEURAT, 1934: 59 (Tahiti, Marquesas). — FOREST & GUINOT, 1961: 136, fig. 137a-b (Tahiti). — KROPP & BIRKELAND, 1981: 629 (Moorea). — SERÈNE, 1984: 273 (Syn.). — GUINOT, 1985: 452 (List). — PEYROT-CLAUSADE, 1989: 115 (Moorea). — *Trapezia cymodoce* - DANA, 1852b: 257; 1855, pl. 15, fig. 5a-i (Tahiti). — SENDLER, 1923: 39 (Tahiti) - The two references not *Trapezia cymodoce* (Herbst, 1799) = *T. ferruginea* fide GALIL & CLARK (1990: 380). — ODINETZ, 1984a: 432 (Moorea, Tahiti, Takapoto; *pro parte*, cf. Remark). — *Trapezia miniata* Jacquinet, 1852, pl. 4, fig. 10-13. — JACQUINOT & LUCAS, 1853: 43 (Nuku Hiva). — Not *Trapezia cymodoce ferruginea* - RATHBUN, 1907: 58 (cf. Remark under *T. cymodoce*).

REMARK. — *Trapezia ferruginea* Latreille, 1825 was proposed as a synonym of *T. cymodoce* (Herbst, 1799) in ODINETZ (1984a), but this proposition was not followed by GALIL & CLARK (1990).

***Trapezia flavopunctata* Eydoux & Souleyet, 1842**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Hikueru).

REFERENCES. — *Trapezia flavopunctata* - ORTMANN, 1893b: 485 (Tahiti). — FOREST & GUINOT, 1961: 136, fig. 138a-b (Hikueru). — ODINETZ, 1983: 34, 205 (Tahiti; p. 205 = "*T. flavomaculata*" *sic*). — GALIL & LEWINSOHN, 1985b: 210 ("Papetoai bay" = Moorea, Tahiti). — GUINOT, 1985: 452 (List). — *Trapezia rufopunctata flavopunctata* - SEURAT, 1934: 59 (Tahiti).

***Trapezia formosa* Smith, 1869**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Mataiva, Takapoto).

REFERENCES. — *Trapezia formosa* - KROPP & BIRKELAND, 1981: 629 (Takapoto). — ODINETZ, 1983: 206, photograph 4 (Moorea, Takapoto, Tahiti). — DELESALLE, 1985: 289 (Mataiva). — GUINOT, 1985: 452 (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Moorea?, Takapoto, Tahiti).

REMARK. — According to P. CASTRO (personal communication), who has re-examined the material of these references, it could rather belongs to a new species.

***Trapezia guttata* Rüppell, 1830**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Hikueru, Rangiroa, Takapoto, Tikehau).

REFERENCES. — *Trapezia guttata* - HELLER, 1865: 25 (Tahiti). — FOREST & GUINOT, 1961: 136, fig. 134, 139a-b (Hikueru, Tahiti); 1962: 70 (Biogeography "Tahiti-Tuamotu"). — ODINETZ, 1983: 205, photograph 8 (Moorea, Tahiti, Takapoto); 1984a: 442 (Moorea, Tahiti). — GUINOT, 1985: 452 (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Moorea?, Tahiti, Takapoto). — PEYROT-CLAUSADE, 1989: 111 (Tikehau). — GALIL & CLARK, 1990: 381 (Syn.). — *Trapezia cymodoce ferruginea* - RATHBUN, 1907: 58 (only some specimens from Rangiroa) not *T. ferruginea* Latreille, 1825 = *T. guttata* fide GALIL & CLARK (1990: 381; cf. Remark under *T. cymodoce*). — *Trapezia ferruginea* - DANA, 1852b: 260; 1865, pl. 16, fig. 1b (Tahiti) *pro parte* not *T. ferruginea* Latreille, 1825 = *T. guttata* fide GALIL & CLARK (1990: 381, 382). — *Trapezia ferruginea guttata* - SEURAT, 1934: 59 (Tahiti). — *Trapezia*



*davaoensis* - KROPP & BIRKELAND, 1981: 629 (Moorea). — GUINOT, 1985: 452 (List) - SYNONYMS - *Trapezia davaoensis* Ward, 1941.

***Trapezia punctimanus* Odinetz, 1984**

DISTRIBUTION. — Society (Tahiti); Tuamotu (Takapoto).

REFERENCES. — *Trapezia punctimanus* Odinetz, 1983: 35, 206 photograph 7 (Thesis; French Polynesia); 1984a: 445, fig. 3e, 4e (Tahiti, Takapoto). — GUINOT, 1985: 452 (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Tahiti, Takapoto).

***Trapezia rufopunctata* (Herbst, 1801)**

DISTRIBUTION. — Society (Moorea, Raiatea, Tahiti); Tuamotu (Makemo, Takapoto, Tikehau).

REFERENCES. — *Trapezia rufo-punctata* - DANA, 1852b: 255; 1855, pl. 15, fig. 3a-b (Tahiti). — *Trapezia rufopunctata* - RATHBUN, 1907: 57 (Makemo). — BOONE, 1934: 166, pl. 86 (Raiatea). — SEURAT, 1934: 59 (Tahiti, but not the Marquesas certainly cited after JACQUINOT & LUCAS; see below). — ODINETZ, 1983: 34 (Moorea, Tahiti, Takapoto). — GUINOT, 1985: 452 (List). — PEYROT-CLAUSADE, 1989: 112 (Tikehau). — Not *Trapezia rufo-punctata* - JACQUINOT, 1852, pl 4, fig. 8-9. — JACQUINOT & LUCAS, 1853: 41 (Nuku Hiva) = *T. tigrina* Eydoux & Souleyet, 1842 fide GALIL & LEWINSOHN (1985b: 166).

***Trapezia septata* Dana, 1852**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Trapezia ferruginea areolata* - SENDLER, 1923: 40 (Tahiti) not *T. areolata* Dana, 1852 = *T. septata* fide GALIL & LEWINSOHN (1985a: 288; cf. Remark).

REMARK. — Although SENDLER is cited under that species in GALIL & LEWINSOHN, these authors have not examined Polynesian material. They only mention that (p. 291) "*T. septata* seems to be more widely distributed and more common than *T. areolata*. Thus, specimens identified as *T. aerolata*, with the exception of those mention by CANO (1888), ORTMANN (1893) (part) and FOREST & GUINOT (1961), should rightly be name *T. septata*".

***Trapezia serenei* Odinetz, 1984**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Mataiva, Takapoto).

REFERENCES. — *Trapezia serenei* Odinetz, 1983: 34, 206, photograph 6; 1984a: 440, fig. 3b, 4b (Mataiva, Moorea, Tahiti, Takapoto). — GUINOT, 1985: 452 (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Moorea?, Tahiti, Takapoto). — SALVAT & RICHARD, 1985: 344 (Takapoto). — *Trapezia cymodoce* sp. 2 - KROPP & BIRKELAND, 1981: 629 (Moorea, Takapoto). — ODINETZ, 1984b: 125 (Moorea, Tahiti, Takapoto) - Fide distinction in ODINETZ (1984b: 124).

***Trapezia speciosa* Dana, 1852**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Aratika, Fakarava, Hao, Hikueru, Makemo, Marutea South, Mataiva, Takapoto).

REFERENCES. — *Trapezia speciosa* Dana, 1852a: 83; 1852b: 253; 1855, pl. 15, fig. 1 ("*Carlshoff*" = Aratika). — NOBILI, 1907: 403 (Marutea). — SEURAT, 1934: 59 (Marutea South). — FOREST & GUINOT, 1961: 133, fig. 131-132, 136a-b (Hikueru); 1962: 70 (Biogeography "Tahiti-Tuamotu"). — KROPP & BIRKELAND, 1981: 629 (Moorea, Takapoto). — ODINETZ, 1983: 205 (Moorea, Tahiti, Takapoto). — SERÈNE, 1984: 278 (Syn.). — DELESALLE, 1985: 289 (Mataiva). — GUINOT, 1985: 452 (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Moorea, Tahiti, Takapoto). — *Trapezia digitalis speciosa* - RATHBUN, 1907: 59 (Fakarava, Makemo, Tahiti). — *Trapezia bella* - NOBILI, 1907: 403 (Hao) not *T. bella* Dana, 1852 = *T. speciosa* fide SERÈNE (1984: 278).

***Trapezia tigrina* Eydoux & Souleyet, 1842**

DISTRIBUTION. — Marquesas (Nuku Hiva); Society (Moorea, Tahiti); Tuamotu (Anaa, Makemo?, Takapoto, Tikehau).



REFERENCES. — *Trapezia maculata* - DANA, 1852b: 256; 1855, pl. 15, fig. 4 (Tahiti) not *T. maculata* (MacLeay, 1838) = *T. tigrina* fide SERÈNE (1984: 275) and GALIL & LEWINSON (1984: 166). — *Trapezia rufo-punctata* - JACQUINOT, 1852, pl 4, fig. 8-9. — JACQUINOT & LUCAS, 1853: 41 (Nuku Hiva) not *T. rufo-punctata* (Herbst, 1799) = *T. tigrina* fide GALIL & LEWINSON (1984: 166). — *Trapezia rufo-punctata* var. *maculata* - ORTMANN, 1893b: 484 (Tahiti). — *Trapezia cymodoce maculata* - RATHBUN, 1907: 59 (Makemo) - These two references, with a ?, not *T. maculata* (MacLeay, 1838) = *T. tigrina* fide GALIL & LEWINSON (1984: 167). — ? *Trapezia ferruginea maculata* - SEURAT, 1934: 59 (Tahiti). — *Trapezia wardi* - KROPP & BIRKELAND, 1981: 629 (Moorea, Takapoto). — GUINOT, 1985: 452 (List). — *Trapezia tigrina* - ODINETZ, 1983: 205, photograph 5 (Moorea, Tahiti, Takapoto). — GALIL & LEWINSON, 1984: 166, fig. 1 (Anaa, "Tikehae lagoon, Tuamotu" = Tikehau, Society; Syn.). — GUINOT, 1985: 452 (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Moorea?, Tahiti, Takapoto) - SYNONYMS - *Trapezia wardi* Serène, 1969.

#### FAMILY PILUMNIDAE

##### *Actumnus asper* (Rüppell, 1830)

DISTRIBUTION. — Gambier (Mangareva); Tuamotu (Marutea South).

REFERENCES. — *Actumnus bonnieri* - NOBILI, 1907: 400 ("Rikitea" = Mangareva, Marutea South). — *Actumnus asper* - BALSS, 1933: 36 (Syn.). — FOREST & GUINOT, 1962: 70 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1964: 98 (Syn.); 1985: 452 (List) - SYNONYMS - *Actumnus bonnieri* Nobili, 1905.

##### *Actumnus digitalis* (Rathbun, 1907)

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Platypodia digitalis* Rathbun, 1907: 38, pl. 1, fig. 6, pl. 9, fig. 4, 4a (Tahiti). — FOREST & GUINOT, 1962: 62 (Biogeography "Tahiti-Tuamotu"). — *Actumnus digitalis* - GUINOT, 1969: 225 (Syn.); 1985: 452 (List).

##### *Actumnus globulus* Heller, 1861

DISTRIBUTION. — Tuamotu (Hao, Hikueru).

REFERENCES. — *Actumnus globulus* - NOBILI, 1907: 400 ("Ohura" = Hao, Hikueru; cf. thereafter). — FOREST & GUINOT, 1962: 70 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1969: 226 (writes about NOBILI's work: "par contre il est bien possible que les "globulus" polynésiens de NOBILI (1907, p. 50 sic) soient en fait des digitalis"); 1985: 452 (List).

##### *Actumnus obesus* Dana, 1852

DISTRIBUTION. — Marquesas; Society (Tahiti).

REFERENCES. — *Actumnus obesus* - BALSS, 1933: 37 (Marquesas). — BOONE, 1934: 154, pl. 79 (Tahiti). — FOREST & GUINOT, 1962: 70 (Biogeography "Tahiti-Tuamotu, Marquesas"). — GUINOT, 1985: 452 (List).

##### *Actumnus setifer* (De Haan, 1835)

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Actumnus tomentosus* Dana, 1852a; 1852b: 243; 1855, pl. 14, fig. 2a-c (Tahiti). — *Actumnus setifer* - ORTMANN, 1893b: 474 (Syn.). — FOREST & GUINOT, 1962: 70 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 452 (List).

##### *Pilumnus merodontatus* Nobili, 1906

DISTRIBUTION. — Gambier (Mangareva); Marquesas; Society (Tahiti); Tuamotu (Mataiva?).

REFERENCES. — *Pilumnus merodontatus* Nobili, 1906a: 263; 1907: 399 ("Rikitea" = Mangareva). — SEURAT, 1934: 60 (French Polynesia). — FOREST & GUINOT, 1961: 132, fig. 128 (Mangareva; Syn.); 1962: 70 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 452 (List). — *Pilumnus longicornis merodontatus* - BALSS, 1933: 16 (Mangareva,



NOBILI's material and also Tahiti, Marquesas) - RELEVANT MATERIAL - *Pilumnus* cf. *merodontatus* - MONTEFORTE, 1984: 171, annex 1, tab. a (Mataiva). — GUINOT, 1985: 452 (List).

***Pilumnus parvulus* Nobili, 1906**

DISTRIBUTION. — Gambier (Mangareva); Tuamotu (Moruroa).

REFERENCES. — *Pilumnus parvulus* Nobili, 1906a: 263; 1907: 398 ("Gatavake, Rikitea, Tokaerero" = Mangareva; some sp. in pearl oyster, 25m). — SEURAT, 1934: 60 (French Polynesia). — FOREST & GUINOT, 1961: 130, fig. 126, pl. 27, fig. 1 (Mangareva); 1962: 70 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 452 (List). — TAKEDA & MIYAKE, 1968: 6 (Key) - NEW MATERIAL - Coll. & det. J. POUPIN (Moruroa; 1 sp. in pearl oyster *Pinctada margaritifera*).

***Pilumnus ransoni* Forest & Guinot, 1961**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Pilumnus ransoni* Forest & Guinot, 1961: 130, fig. 123-124, 127, pl. 4, fig. 1-2, pl. 17, fig. 2. (Tahiti); 1962: 70 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 452 (List).

***Pilumnus tahitensis* De Man, 1890**

DISTRIBUTION. — Society (Moorea, Raiatea, Tahiti); Tuamotu (Fakarava, Marutea South, Tikehau) - *Littoral to sublittoral*.

REFERENCES. — *Pilumnus tahitensis* de Man, 1890: 61, pl. 3, fig. 4 (Tahiti). — ORTMANN, 1893b: 437 (Tahiti). — NOBILI, 1907: 399 (Marutea South). — RATHBUN, 1907: 56 (Fakarava). — BALSS, 1933: 25 (Tahiti). — SEURAT, 1934: 60 (Marutea South). — FOREST & GUINOT, 1961: 129, fig. 125 (Raiatea, Tahiti); 1962: 70 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 452 (List). — PEYROT-CLAUSADE, 1989: 111, 115 (Moorea, Tikehau; 30m).

FAMILY CARPILIIDAE

***Carpilius convexus* (Forskål, 1775)**

DISTRIBUTION. — Austral (Rapa, Rurutu); Society (Moorea, Tahiti); Tuamotu (Hikueru, Makatea, Makemo, Mataiva, Moruroa, Taiaro, Takapoto, Takaroa, Raroia) - *Littoral to sublittoral*.

REFERENCES. — *Carpilius convexus* - STIMPSON, 1858a: 32; 1907: 37 (Tahiti). — RATHBUN, 1907: 37 (Makemo). — BOONE, 1934: 89, pl. 43-45 (Tahiti). — HOLTHUIS, 1953: 12 (Raroia). — CHABOUIS L. & F., 1954: 91, fig. 2 (French Polynesia). — MORRISON, 1954: 16 (Raroia). — BUITENDIJK, 1960: 263 (Takaroa). — FOREST & GUINOT, 1961: 37 (Hikueru, Tahiti); 1962: 60 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1966a: 48 (French Polynesia); 1985: 449 (List). — CHEVALIER *et al.*, 1968: 92, 138 (Moruroa). — MONTEFORTE, 1984: 170, annex 1, tab. a (Makatea, Mataiva, Moorea, Takapoto). — SERÈNE, 1984: 303, fig. 208-209 (Mataiva). — DELESALLE, 1985: 289 (Mataiva). — SALVAT & RICHARD, 1985: 362 (Takapoto). — SALVAT, 1986b: 72 (French Polynesia). — BONVALLOT *et al.*, 1994: 140, photograph (Tuamotu). — POUPIN, 1994a: 45, fig. 41, pl. 5d (Hikueru, Rapa, Rurutu, Tahiti, Taiaro; up to 60m).

***Carpilius maculatus* (Linné, 1758)**

DISTRIBUTION. — Gambier; Society (Moorea, Tahiti); Tuamotu (Fakarava, Hao, Hikueru, Makatea, Mataiva, Moorea, Moruroa, Raraka, Raroia, Taiaro, Takapoto).

REFERENCES. — *Carpilius maculatus* - DANA, 1852b: 160 (Raraka). — STIMPSON, 1858a: 32; 1907: 37 (Tahiti). — HELLER, 1865: 9 (Tahiti). — NOBILI, 1907: 386 ("Ohura" = Hao). — RATHBUN, 1907: 37 (Fakarava, Tahiti). — PESTA, 1913: 39, pl. 3, fig. 4 (Tahiti, with a ?). — BOONE, 1934: 86, pl. 39-42 (Tahiti). — SEURAT, 1934: 60 (Gambier, Tuamotu). — HOLTHUIS, 1953: 12 (Raroia). — CHABOUIS L. & F., 1954: 91, fig. 1 (French Polynesia). — MORRISON, 1954: 16 (Raroia). — BABLET, 1972: 32, pl. 11 (French Polynesia). — FOREST & GUINOT, 1961: 37 (Hikueru, Tahiti); 1962: 60 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1966a: 48 (French Polynesia); 1985: 450 (List). — CHEVALIER *et al.*, 1968: 92, 138 (Moruroa). — CROSNIER, 1984: 302, fig. 208-209, pl. 44e (Mataiva). — MONTEFORTE, 1984: 170,



annex 1, tab. a, photograph p.140a (haut) (Makatea, Mataiva, Moorea, Tahiti, Takapoto). — DELESALLE, 1985: 289 (Mataiva). — SALVAT, 1986b: 72, photograph (French Polynesia). — PARDON, 1992: 82, photograph (Tahiti). — BONVALLOT *et al.*, 1994: 141, photograph (Tuamotu). — POUPIN, 1994a: 46, fig. 42, pl. 5e (Mataiva, Tahiti, Taiaro).

#### FAMILY MENIPPIDAE

##### *Dacryopilumnus eremita* Nobili, 1906

DISTRIBUTION. — Gambier (Mangareva); Tuamotu (Amanu, Hao, Makatea, Marutea South, Mataiva).

REFERENCES. — *Dacryopilumnus eremita* Nobili, 1906a: 264; 1907: 400, pl. 2, fig. 4 (Amanu, Hao, "Rikitea" = Mangareva; gen. and sp. nov.). — FOREST & GUINOT, 1962: 68 (Biogeography "Tahiti-Tuamotu"). — CROSNIER, 1984: 313, fig. 240-241, pl. 47e (Mangareva, Marutea). — MONTEFORTE, 1984: 170, annex 1, tab. a (Mataiva). — GUINOT, 1985: 450 (List).

##### *Domecia glabra* Alcock, 1899

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Hao, Tikehau) - *Littoral to sublittoral*.

REFERENCES. — *Domecia hispida* - NOBILI, 1907: 404 (Hao) not *Domecia hispida* Eydoux & Souleyet, 1842 = *D. glabra* fide FOREST & GUINOT (1961: 126). — *Domecia glabra* - FOREST & GUINOT, 1961: 126, fig. 115-116, 120-122, 124bis (Hao); 1962: 68 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1962: 240, fig. 13a-b (Hao). — PEYROT-CLAUSADE, 1977a, annex of the species: 26; 1977b: 213 (Moorea); 1989: 111 (Tikehau; 30m). — GUINOT, 1985: 450 (List).

##### *Domecia hispida* Eydoux & Souleyet, 1842

DISTRIBUTION. — Gambier (Mangareva); Marquesas (Nuku Hiva); Society (Moorea, Tahiti); Tuamotu (Hikueru, Makemo, Takapoto, Tikehau).

REFERENCES. — *Domecia hispida* - DANA, 1852b: 251 (Tahiti). — RATHBUN, 1907: 60 (Makemo). — BOONE, 1934: 162, pl. 85 (Nuku Hiva). — FOREST & GUINOT, 1961: 126, fig. 117-119, 124bis, pl. 28, fig. 1 (Hikueru); 1962: 68 (Biogeography "Tahiti-Tuamotu, Marquesas"). — PEYROT-CLAUSADE, 1977a, annex of the species: 26; 1977b: 213 (Moorea); 1989: 111, 114 (Moorea, Tikehau). — NAIM, 1980a, annex 1, tab. 3 (Moorea). — KROPP & BIRKELAND, 1981: 629, tab. 5 (Moorea, Takapoto). — ODINETZ, 1983: 205 (Moorea, Tahiti, Takapoto). — GUINOT, 1985: 450 (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Moorea and/or Tahiti, Takapoto). — Not *Domecia hispida* - NOBILI, 1907: 404 (Hao) = *Domecia glabra* Alcock, 1899 fide FOREST & GUINOT (1961: 126).

##### *Eriphia scabricula* Dana, 1852

DISTRIBUTION. — Society (Tahiti); Tuamotu (Fakarava, Raroia).

REFERENCES. — *Eriphia scabricula* Dana, 1852a: 82; 1852b: 247; 1855, pl. 14, fig. 5a-b (Tahiti). — RATHBUN, 1907: 57 (Fakarava). — HOLTHUIS, 1953: 20 (Raroia). — MORRISON, 1954: 7 (Raroia). — FOREST & GUINOT, 1961: 123, fig. 113a-b, 114 (Tahiti); 1962: 68 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 170, annex 1, tab. a (Tahiti). — GUINOT, 1985: 450 (List).

##### *Eriphia sebana* (Shaw & Nodder, 1803)

DISTRIBUTION. — Gambier (Mangareva, Tarauru-Roa); Society (Moorea, Tahiti); Tuamotu (Fakarava, Hikueru, Makatea, Makemo, Marutea South, Mataiva, Moruroa, Pukapuka, Rangiroa, Raroia, Taiaro, Takapoto, Tauere).

REFERENCES. — *Eriphia laevimana* Latr. - DANA, 1852b: 249; 1855, pl. 14, fig. 7a-c ("*Honden*" = Pukapuka, Society). — CANO, 1888: 171 (Tahiti). — NOBILI, 1907: 403 ("*Gatavake*" = Mangareva, Tarauru-Roa, Tauere). — *Eriphia sebana* - RATHBUN, 1907: 57 (Fakarava, Makatea, Makemo, "Manga Reva, Motus" = Mangareva?, Rangiroa). — SENDLER, 1923: 39 (Makatea). — HOLTHUIS, 1953: 20 (Raroia). — MORRISON, 1954: 7 (Raroia). — FOREST & GUINOT, 1961: 122, fig. 111a-b, 112 (Hikueru, Tahiti; Syn.); 1962: 68 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 170, annex 1, tab. a, photograph 140a (bas) (Makatea, Mataiva, Moorea, Tahiti, Takapoto). — DELESALLE, 1985:



289 (Mataiva). — GUINOT, 1985: 450 (List). — SALVAT, 1986b: 72 (French Polynesia). — POUPIN, 1994a: 50, fig. 46, pl. 6a (Makatea, Marutea, Moruroa, Taiaro) - SYNONYMS - *Eriphia laevimana* Guérin, 1829-1844 in Latreille.

***Globopilumnus globosus* (Dana, 1852)**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Ahe?, Makatea, Manihi?, Mataiva, Raraka, Raroia, Takapoto, Tikehau).

REFERENCES. — *Pilumnus globosus* Dana, 1852a: 81; 1852b: 236; 1855, pl. 13, fig. 10 (Raraka, Tahiti, "Waterland" = Ahe and/or Manihi). — RATHBUN, 1907: 56 (Tahiti). — *Pilumnus margaritatus* Ortmann, 1893b: 436 (Tahiti). — *Globopilumnus globosus* - BALSS, 1933: 7, pl. 1, fig. 1-2. (Tahiti) ? *pro parte*. — HOLTHUIS, 1953: 21 (Raroia). — GUINOT-DUMORTIER, 1960a: 99, fig. 1-2, 5-6 (Tahiti; Syn.). — FOREST & GUINOT, 1961: 121 (Tahiti); 1962: 68 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 170, annex 1, tab. a (Makatea, Mataiva, Moorea, Tahiti, Takapoto); 1987: 9 (Moorea). — DELESALLE, 1985: 289 (Mataiva). — GUINOT, 1985: 450 (List). — PEYROT-CLAUSADE, 1989: 113 (Tikehau). — Not *Pilumnus globosus* - NOBILI, 1907: 398 ("Marutea Vaitutaki") = *Liocarpilodes* sp. *fide* GUINOT-DUMORTIER (1960a: 100). — BOONE, 1934: 152, pl. 78 (Tahiti) = *Pilodius pugil* with a ? *fide* SERÈNE & LUOM (1959: 320).

***Lydia annulipes* (H. Milne Edwards, 1834)**

DISTRIBUTION. — Marquesas (Nuku Hiva); Society (Tahiti); Tuamotu (Hikueru, Mataiva, Moruroa, Pukapuka, Raroia, Taiaro, Takapoto).

REFERENCES. — *Ruppellia annulipes* - DANA, 1852b: 246; 1855, pl. 14, fig. 4a-c (Tahiti). — *Lydia annulipes* - HOLTHUIS, 1953: 23 (Pukapuka, Raroia). — MORRISON, 1954: 7 (Raroia). — FOREST & GUINOT, 1961: 122, fig. 109a-b, 110 (Hikueru); 1962: 68 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 171, annex 1, tab. a (Mataiva, Takapoto). — DELESALLE, 1985: 289 (Mataiva). — GUINOT, 1985: 450 (List). — POUPIN, 1994a: 47, fig. 43, pl. 5f (Hikueru, Moruroa, Nuku Hiva, Taiaro). — *Ruppellia granulosa* A. Milne Edwards, 1867: 279 (Marquesas; new synonymy, *cf.* Remark).

REMARK. — *Ruppellia granulosa* has been very rarely cited after its description. It is mentioned for the genus *Lydia* in SAKAI (1976: 477). It has been briefly described from a single specimen: "Cette espèce se distingue de *Ruppellia annulipes* par la profondeur des sillons qui limitent les lobules des régions. Ces lobules sont rugueux et granuleux. Les pattes antérieures sont également couvertes de grosses granulations peu élevées. Les autres caractères sont les mêmes que chez la *Ruppellia annulipes*". We have re-examined the type specimen (MNHN B9344, 1 ♂ 17x25) and, after its comparison with specimens of *L. annulipes* collected in the Marquesas and the Tuamotu (*cf.* in POUPIN, 1994a: 47), we consider that it is a junior synonym of this species.

***Ozius hawaiiensis* Rathbun, 1902**

DISTRIBUTION. — Marquesas (Nuku Hiva); Tuamotu (Fakarava, Makemo, Rangiroa).

REFERENCES. — *Ozius hawaiiensis* - RATHBUN, 1907: 54 (Fakarava, Makemo, Nuku Hiva, Rangiroa). — FOREST & GUINOT, 1962: 68 (Biogeography "Tahiti-Tuamotu, Marquesas"). — GUINOT, 1985: 450 (List).

***Ozius rugulosus* Stimpson, 1858**

DISTRIBUTION. — Marquesas (Nuku Hiva); Society (Tahiti).

REFERENCES. — *Ozius rugulosus* - HELLER, 1865: 22, pl. 3, fig. 1 (Tahiti). — PESTA, 1913: 47 (Tahiti). — FOREST & GUINOT, 1961: 121, fig. 107a-b, 108 (Tahiti); 1962: 68 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 450 (List). — POUPIN, 1994a: 48, fig. 44, pl. 5g (Nuku Hiva, Tahiti).

***Ozius tricarinatus* Rathbun, 1907**

DISTRIBUTION. — Marquesas (Nuku Hiva); Society (Tahiti).

REFERENCES. — *Ozius tricarinatus* Rathbun, 1907: 53, pl. 2, fig. 3 (Nuku Hiva, Tahiti). — FOREST & GUINOT, 1962: 68 (Biogeography "Tahiti-Tuamotu, Marquesas"). — GUINOT, 1985: 450 (List).



***Ozius truncatus* A. Milne Edwards, 1834**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Ozius lobatus* Heller, 1865: 21, pl. 2, fig. 4 (Tahiti) *vide* CHILTON & BENNETT (1929: 750).

Remark. — CHILTON & BENNETT consider, with doubt, that HELLER's species is the same as *Ozius truncatus*, but they do not mention "Tahiti", in the distribution of *O. truncatus*. It is possible, as often seen in HELLER's work, that this locality was mentioned by error.

***Ozius tuberculosus* H. Milne Edwards, 1834**

DISTRIBUTION. — Marquesas (Nuku Hiva); Society (Tahiti).

REFERENCES. — *Ozius tuberculosus* - BOONE, 1934: 150, pl. 77 (Nuku Hiva). — POUPIN, 1994a: 49, fig. 45, pl. 5h (Nuku Hiva, Tahiti).

***Pseudozius caystrus* (Adams & White, 1848)**

DISTRIBUTION. — Gambier (Kamaka, Tarauru-Roa); Society (Moorea, Tahiti); Tuamotu (Ahe and/or Manihi, Makatea, Mataiva, Moruroa, Raraka, Raroia, Taiaro, Takapoto).

REFERENCES. — *Pseudozius planus* Dana, 1852a: 81; 1852b: 233; 1855, pl. 13, fig. 6a-h (Raraka, "Waterland" = Ahe and/or Manihi). — EVANS, 1967: 409 ("Paumotu"; BM syntypes). — *Pseudozius caystrus* - NOBILI, 1907: 397 (Kamaka). — SENDLER, 1923: 38 (Makatea). — HOLTHUIS, 1953: 26 (Raroia). — MORRISON, 1954: 9 (Raroia). — FOREST & GUINOT, 1961: 125 (Tahiti, "Taraourou-roa" = Tarauru-Roa; Syn.); 1962: 68 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 171, annex 1, tab. a (Makatea, Mataiva, Moorea, Tahiti, Takapoto). — DELESALLE, 1985: 289 (Mataiva). — GUINOT, 1985: 450 (List). — POUPIN, 1994a: 52, fig. 48, pl. 6c (Kamaka, Moruroa, Taiaro).

## FAMILY GECARCINIDAE

***Cardisoma carnifex* (Herbst, 1794)**

DISTRIBUTION. — Society (Bora Bora, Moorea, Raiatea, Tahiti, Tupai); Tuamotu (Ahe, Hao, Makatea, Mataiva, Nukutipipi, Pukarua, Rangiroa, Raroia, Taiaro, Takapoto, Tauere) - *Terrestrial*.

REFERENCES. — *Cardisoma obesum* Dana, 1851: 252; 1852b: 375; 1855, pl. 24, fig. 1 ("Peacock" = Ahe). — STIMPSON, 1858b: 100; 1907: 111 (Tahiti). — *Perigrapsus excelsus* Heller, 1862: 522; 1865: 50, pl. 5, fig. 1 (Tahiti). — *Cardisoma carnifex* - MIERS, 1886: 220 (Tahiti). — NOBILI, 1907: 407 (Bora Bora, Hao, Tahiti). — RATHBUN, 1907: 26 (Rangiroa, Tahiti). — SENDLER, 1923: 22 (Tahiti). — BOONE, 1934: 187, pl. 97-98 (Bora Bora). — SEURAT, 1934: 52 (Moorea, Tahiti, Tuamotu). — HOLTHUIS, 1953: 34 (Raroia). — CHABOUIS L. & F., 1954: 92, unnumbered fig. (French Polynesia). — MORRISON, 1954: 2 (Raroia). — FOREST & GUINOT, 1961: 165 (Tahiti); 1962: 74 (Biogeography "Tahiti-Tuamotu"). — EDMONSON, 1962: 25 (Raiatea). — GUINOT, 1966a: 48 (French Polynesia); 1985: 454 (List). — TÜRKAY, 1973: 108 (Syn.). — SAKAI, 1976: 680 (Syn.). — MONTEFORTE, 1984: 174, annex 1, tab. a (Makatea, Mataiva, Moorea, Takapoto); 1987: 6 (Moorea). — DELESALLE, 1985: 288, 295 (Mataiva). — CHARLEUX, 1986: 80, photographs (French Polynesia). — BONVALLOT *et al.*, 1994: 78, photograph (Tuamotu). — BAGNIS & CHRISTIAN, 1983: 110-111, photograph (Tuamotu). — MERSCHARDT-SALVAT, 1991: 40 (Nukutipipi). — SALVAT F. & B., 1992: 5 (Nukutipipi). — POUPIN, 1994a: 53, fig. 49, pl. 6e (Pukarua, Tahiti, Taiaro, Tauere, Tupuai). — **Without name** - PARDON, 1992: 78, 79, photograph, double page (Tahiti, Papeete market) (det. according to the photograph).

***Cardisoma hirtipes* Dana, 1851**

DISTRIBUTION. — Society (Tahiti) - *Terrestrial*.

REFERENCES. — *Cardisoma hirtipes* - HELLER, 1865: 35 (Tahiti). — TÜRKAY, 1974: 229, fig. 2, 12-13 (Tahiti). — GUINOT, 1985: 454, with a ? (List). — POUPIN, 1994a: 53 (Text).



***Cardisoma rotundum* Quoy & Gaimard, 1834**

DISTRIBUTION. — Marquesas (Nuku Hiva); Tuamotu (Tikehau) - *Terrestrial*.

REFERENCES. — *Cardisoma rotundum* - TÜRKAY, 1974: 234, fig. 1, 14 ("Tickahau-Atoll" = Tikehau). — POUPIN, 1994a: 54, fig. 50, pl. 6g (Nuku Hiva).

***Discoplax longipes* A. Milne Edwards, 1867**

DISTRIBUTION. — Tuamotu (Makatea).

REFERENCES. — *Discoplax longipes* - SENDLER, 1923: 23, pl. 20, 1a-b (Makatea). — FOREST & GUINOT, 1962: 74 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 454 (List).

***Epigrapsus politus* Heller, 1862**

DISTRIBUTION. — Society (Tahiti); Tuamotu (Hikueru, Taiaro).

REFERENCES. — *Epigrapsus politus* Heller, 1862: 522 (Tahiti). — HOLTHUIS, 1953: 34 ("Taravao" = Tahiti). — FOREST & GUINOT, 1961: 162, fig. 176a-b (Hikueru; Syn.); 1962: 74 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 172, annex 1, tab. a (Tahiti). — GUINOT, 1985: 454 (List). — POUPIN, 1994a: 55, fig. 51, pl. 6d (Hikueru). — *Nectograpsus politus* Heller, 1865: 57, pl. 5, fig. 3 (Tahiti). — Not *Epigrapsus politus* - NOBILI, 1907: 407 (Hikueru) = *Cyclograpsus integer* H. Milne Edwards, 1837 *vide* FOREST & GUINOT (1961: 162). — SEURAT, 1934: 58 (NOBILI's material).

## FAMILY GRAPSIDAE

## SUBFAMILY GRAPSINAE

***Geograpsus crinipes* (Dana, 1851)**

DISTRIBUTION. — Marquesas (Nuku Hiva); Society (Tahiti); Tuamotu (Makatea, Makemo, Mataiva, Moruroa, Pukapuka, Raroia, Taiaro, Takapoto).

REFERENCES. — *Geograpsus crinipes* - HELLER, 1865: 48 (Tahiti). — NOBILI, 1907: 404 (Pukapuka). — RATHBUN, 1907: 28 (Makemo). — SENDLER, 1923: 32 (Makatea). — SEURAT, 1934: 52 (Pukapuka). — HOLTHUIS, 1953: 29 (Raroia). — MORRISON, 1954: 9 (Raroia). — FOREST & GUINOT, 1962: 72 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 172, annex 1, tab. a (Makatea, Mataiva, Takapoto). — DELESALLE, 1985: 289 (Mataiva). — GUINOT, 1985: 453 (List). — SALVAT & RICHARD, 1985: 359, 360 (Takapoto). — POUPIN, 1994a: 57, fig. 53, pl. 6h (Moruroa, Nuku Hiva, Taiaro, Takapoto).

***Geograpsus grayi* (H. Milne Edwards, 1853)**

DISTRIBUTION. — Society (Tahiti); Tuamotu (Makatea, Nukutipipi, Raroia).

REFERENCES. — *Geograpsus grayi* - KINGSLEY, 1880c: 196 (Tahiti). — ORTMANN, 1894: 707 (Tahiti). — SENDLER, 1923: 32, pl. 21, fig. 6 (Makatea). — SEURAT, 1934: 52 (Tahiti). — HOLTHUIS, 1953: 30 (Raroia). — MORRISON, 1954: 11 (Raroia). — BANERDJEE, 1960: 159 (Tahiti). — FOREST & GUINOT, 1962: 72 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 172, annex 1, tab. a (Makatea). — GUINOT, 1985: 453 (List). — MERSCHARDT-SALVAT, 1991: 40 (Nukutipipi). — SALVAT F. & B., 1992: 5 (Nukutipipi).

***Geograpsus stormi* De Man, 1895**

DISTRIBUTION. — Marquesas (Nuku Hiva).

REFERENCES. — *Geograpsus lividus stormi* de Man - RATHBUN, 1907: 29 (Nuku Hiva). — *Geograpsus stormi* - BANERDJEE, 1960: 167 (Syn.). — FOREST & GUINOT, 1962: 72 (Biogeography "Tahiti-Tuamotu, Marquesas"). — GUINOT, 1985: 453 (List). — POUPIN, 1994a: 58, fig. 54, pl. 7a (Nuku Hiva).



***Grapsus depressus* Heller, 1862**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Grapsus depressus* Heller 1862: 521 (Tahiti; to our knowledge this species has never been mentioned after its description).

***Grapsus longitarsis* Dana, 1851**

DISTRIBUTION. — Society; Tuamotu (Fakarava, Hao, Hikueru, Makatea, Mataiva, Rangiroa, Raroia, Taiaro, Takapoto, Tikei).

REFERENCES. — *Grapsus longitarsis* Dana, 1851: 249; 1852b: 339; 1855, pl. 21, fig. 4a-d (Tuamotu). — RATHBUN, 1907: 28 (Fakarava, Rangiroa, Tikei). — HOLTHUIS, 1953: 31 (Raroia). — MORRISON, 1954: 7 (Raroia). — BANERJEE, 1960: 144, fig. 1b, 2h-n (Society, Raroia). — FOREST & GUINOT, 1961: 152, fig. 160a-b, 161, pl. 18, fig. 2 (Hikueru); 1962: 72 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 172, annex 1, tab. a (Makatea, Mataiva, Takapoto). — DELESALLE, 1985: 289 (Mataiva). — GUINOT, 1985: 453 (List). — POUPIN, 1994a: 59, fig. 55, pl. 7b (Hao, Hikueru, Taiaro). — *Grapsus strigosus* - NOBILI, 1907: 404 (Hao) not *G. strigosus* (Herbst, 1799) synonym of *Grapsus albolineatus* Lamarck, 1818 in BANERJEE (1960: 147) = *G. longitarsis* fide FOREST & GUINOT (1961: 152).

***Grapsus tenuicrustatus* (Herbst, 1783)**

DISTRIBUTION. — Gambier (Kamaka); Marquesas (Nuku Hiva); Society (Moorea, Tahiti); Tuamotu (Fakarava, Hao, Hikueru, Makatea, Makemo, Mataiva, Moruroa, Rangiroa, Raroia, Taiaro, Takapoto).

REFERENCES. — *Grapsus pictus* - DANA, 1852b: 336; 1855, pl. 21, fig. 1 (Tuamotu). — *Grapsus grapsus* - NOBILI, 1907: 404 (Hao, Kamaka) not *Grapsus grapsus* Linné, 1758 = *G. tenuicrustatus* fide FOREST & GUINOT (1961: 154). — *Grapsus grapsus tenuicrustatus* - RATHBUN, 1907: 27 (Fakarava, Makemo, Rangiroa). — *Grapsus gracilipes* - SENDLER, 1923: 31 (Makatea). — *Grapsus gracillimus* Sandler, 1923: 32, pl. 21, fig. 5 (Makatea). — *Grapsus tenuicrustatus* - HOLTHUIS, 1953: 31 (Raroia). — CHABOUIS L. & F., 1954: 91, fig. 6 (French Polynesia). — MORRISON, 1954: 9 (Raroia). — BANERJEE, 1960: 134, fig. 1a, 2a, c-g (Raroia; Syn.). — FOREST & GUINOT, 1961: 154 (Hikueru; Syn.); 1962: 72 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 172, annex 1, tab. a (Makatea, Mataiva, Moorea, Tahiti, Takapoto). — DELESALLE, 1985: 289 (Mataiva). — GUINOT, 1985: 453 (List). — SALVAT & RICHARD, 1985: 360 (Takapoto). — PARDON, 1992: 82, photograph (Tuamotu). — POUPIN, 1994a: 60, fig. 56, pl. 7c (Nuku Hiva, Tahiti, Taiaro, Takapoto). — The following works refer also probably to this species: *Grapsus maculatus* - KINGSLEY, 1880c: 192 (Tahiti) = *G. grapsus* fide ORTMANN (1894: 703). — *Grapsus grapsus* - SENDLER, 1923: 30 (Makatea). — BOONE, 1934: 178, pl. 90 ("Anaho Bay" = Nuku Hiva). — CHEVALIER *et al.*, 1968: 95, 138 (Moruroa). — BAGNIS & CHRISTIAN, 1983: 112-113, photograph (Tuamotu). — *Grapsus albolineatus* - BONVALLOT *et al.*, 1994: 137, photograph, (Tuamotu; det. according to the photograph) - SYNONYMS - *Grapsus pictus* Latreille, 1802-1803; *Grapsus gracilipes* H. Milne Edwards, 1853; *Grapsus gracillimus* Sandler, 1923.

REMARK. — BANERJEE (1960: 139) mentions that *Grapsus grapsus* (Linné, 1758) is solely Atlantic. More recently, MANNING & HOLTHUIS (1981: 233) have also mentioned it from the Eastern Pacific.

***Leptograpsus variegatus* (Fabricius, 1793)**

DISTRIBUTION. — Austral (Rapa); Marquesas.

REFERENCES. — *Leptograpsus variegatus* - DE MAN, 1890: 84 (Marquesas; with regard of *L. ansoni* H. Milne Edwards, 1853). — GRIFFIN, 1973: 461, fig. 1-6 (Syn.) - SYNONYMS - *Leptograpsus ansoni* H. Milne Edwards, 1853 - NEW MATERIAL - March 1995, Coll. and det. J. POUPIN (Rapa, Haurei bay, very common).

***Metopograpsus messor* (Forskål, 1775)**

DISTRIBUTION. — Society (Bora Bora, Tahiti).

REFERENCES. — *Metopograpsus messor* - KINGSLEY, 1880c: 190 (Tahiti). — MIERS, 1886: 258 (Tahiti). — RATHBUN, 1907: 29 (Bora Bora). — PESTA, 1913: 61 (Tahiti). — GUINOT, 1985: 453 (List). — POUPIN, 1994a: 61 (Text).



***Metopograpsus thukuar* (Owen, 1839)**

DISTRIBUTION. — Austral (Tubuai); Gambier (Mangareva); Society (Moorea, Tahiti); Tuamotu (Hao, Taiaro).

REFERENCES. — *Metopograpsus thukuar* - STIMPSON, 1858b: 101; 1907: 114 [47] (Tahiti). — HELLER, 1865: 43 (Tahiti). — NOBILI, 1907: 404 (Hao, "Rikitea" = Mangareva). — SEURAT, 1934: 59 (Mangareva). — BANERJEE, 1960: 186, fig. 6f-g (Tahiti). — FOREST & GUINOT, 1961: 155, fig. 162, 167 (Tahiti); 1962: 72 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 453 (List). — MARQUET, 1988: 90, fig. 48, tab. 23; 1991: 130, tab. 1-2; 1993: tab. 1, 3 (Mangareva, Moorea, Tahiti, Tubuai). — POUPIN, 1994a: 61, fig. 57, pl. 7d (Hao, Mangareva, Tahiti, Taiaro).

***Pachygrapsus fakaravensis* Rathbun, 1907**

DISTRIBUTION. — Tuamotu (Fakarava, Makatea, Mataiva, Taiaro, Takapoto).

REFERENCES. — *Pachygrapsus fakaravensis* Rathbun, 1907: 29, pl. 5, fig. 1, pl. 9, fig. 6, 6a (Fakarava). — FOREST & GUINOT, 1962: 72 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 172, annex 1, tab. a (Makatea, Mataiva, Takapoto). — GUINOT, 1985: 453 (List). — POUPIN, 1994a: 62, fig. 58, pl. 7e (Taiaro).

***Pachygrapsus minutus* A. Milne Edwards, 1873**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Hikueru, Makatea, Mataiva, Takapoto, Tikehau).

REFERENCES. — *Pachygrapsus minutus* - FOREST & GUINOT, 1961: 155 (Hikueru, Tahiti); 1962: 72 (Biogeography "Tahiti-Tuamotu"). — PEYROT-CLAUSADE, 1977a, annex of the species: 25; 1977b: 213; 1985: 462 (Moorea); 1989: 113 (Tikehau). — MONTEFORTE, 1984: 172, annex 1, tab. a (Makatea, Mataiva, Moorea, Tahiti, Takapoto); 1987: 9 (Moorea). — DELESALLE, 1985: 289 (Mataiva). — GUINOT, 1985: 453 (List) - RELEVANT MATERIAL - *Pachygrapsus* aff. *minutus* - NAIM, 1980a: 55, annex 1, tab. 3 (Moorea; very small adult specimens, possibly of a new species). — GUINOT, 1985: 453 (List).

***Pachygrapsus planifrons* De Man, 1888**

DISTRIBUTION. — Tuamotu (Fakarava, Raroia).

REFERENCES. — *Pachygrapsus planifrons* - HOLTHUIS, 1953: 31 (Raroia). — MORRISON, 1954: 7 (Raroia). — FOREST & GUINOT, 1962: 72 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 453 (List). — *Pachygrapsus longipes* - RATHBUN, 1907: 30 (Fakarava) - SYNONYMS - *Pachygrapsus longipes* Rathbun, 1893 (in TESCH, 1918, p. 78; with uncertainty).

***Pachygrapsus plicatus* (H. Milne Edwards, 1837)**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Fakarava, Hikueru, Makatea, Makemo, Mataiva, Raroia, Taiaro, Takapoto).

REFERENCES. — *Pachygrapsus plicatus* - KINGLEY, 1880c: 200 (Tahiti). — RATHBUN, 1907: 29 (Fakarava, Makemo). — HOLTHUIS, 1953: 32 (Raroia). — MORRISON, 1954: 13 (Raroia). — FOREST & GUINOT, 1961: 154 (Hikueru); 1962: 72 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 172, annex 1, tab. a (Makatea, Mataiva, Moorea, Tahiti, Takapoto); 1987: 9 (Moorea). — DELESALLE, 1985: 289 (Mataiva). — GUINOT, 1985: 453 (List). — SALVAT & RICHARD, 1985: 359 (Takapoto). — POUPIN, 1994a: 63, fig. 59, pl. 7f (Hikueru, Taiaro).

***Planes cyaneus* Dana, 1851**

DISTRIBUTION. — Austral (Neilson bank).

REFERENCES. — *Planes cyaneus* - NEW MATERIAL - April 1995, coll. J. POUPIN, det. A. CROSNIER (Neilson bank; on a drifting buoy with cirripeds).



## SUBFAMILY VARUNINAE

***Hemigrapsus crenulatus* (H. Milne Edwards, 1837)**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Heterograpsus crenulatus* Guérin - NOBILI, 1907: 405 (Tahiti; in Paris, NOBILI's material is well recorded under *Hemigrapsus crenulatus* MNHN B12830). — FOREST & GUINOT, 1962: 72 (Biogeography "Tahiti-Tuamotu"). — *Hemigrapsus crenulatus* (H. Milne Edwards) - BENNETT, 1964: 81 (Syn.). — GUINOT, 1985: 453 (List).

***Pseudograpsus albus* Stimpson, 1858**

DISTRIBUTION. — Tuamotu (Fakarava, Raroia).

REFERENCES. — *Pseudograpsus albus* - RATHBUN, 1907: 32 (Fakarava). — HOLTHUIS, 1953: 32 (Raroia). — MORRISON, 1954: 10 (Raroia). — FOREST & GUINOT, 1962: 72 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 453 (List).

***Ptychognathus crassimanus* Finnegan, 1931**

DISTRIBUTION. — Marquesas - *Freshwater*.

REFERENCES. — *Ptychognathus crassimanus* Finnegan, 1931: 649 (Marquesas).

REMARK. — It seems that this species was never recorded after its description. In particular, it does not appear in the works by MARQUET (1988, 1991, 1993), who has only collected *Ptychognathus easteranus* (det. HOLTHUIS), in the Marquesas rivers.

***Ptychognathus easteranus* Rathbun, 1907**

DISTRIBUTION. — Austral (Rurutu); Marquesas (Hiva Oa) - *Freshwater*.

REFERENCES. — *Ptychognathus easteranus* - MARQUET, 1988: 90, fig. 48, tab. 23; 1991: 132, tab. 1-2; 1993: tab. 1, 3 (Hiva Oa, Rurutu).

***Ptychognathus intermedius* (de Man, 1879)**

DISTRIBUTION. — Society (Tahiti) - *Freshwater*.

REFERENCES. — *Ptychognathus intermedius* - ORTMANN, 1894: 711 (Tahiti). — FOREST & GUINOT, 1962: 72 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 453 (List).

***Thalassograpsus harpax* (Hilgendorf, 1892)**

DISTRIBUTION. — French Polynesia.

REFERENCES. — *Thalassograpsus harpax* - GUINOT, 1985: 453 (List only; origin not found).

***Varuna litterata* (Fabricius, 1798)**

DISTRIBUTION. — Society (Moorea, Tahiti) - *Fresh & Brackish water*.

REFERENCES. — *Varuna litterata* - MARQUET, 1988: 90, fig. 48, tab. 3; 1991: 133, tab. 1-2; 1993: tab. 1, 3 (Moorea, Tahiti). — POUPIN 1994a: 67, fig. 63, pl. 8b (Tahiti).

## SUBFAMILY SESARMINAE

***Chasmagnathus subquadratus* Dana, 1851**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Chasmagnathus subquadratus* - ORTMANN, 1894: 728 (Tahiti). — FOREST & GUINOT, 1962: 72 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 453 (List).



REMARK. — Species described by par DANA (1851: 251) from an uncertain locality "*Novi-Zealandiae ? Novi-Hollandiae orientalis ?*", not very often cited.

***Cyclograpsus integer* H. Milne Edwards, 1837**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Fakarava, Hikueru, Kaukura?, Mataiva, Raroia, Taiaro, Takapoto).

REFERENCES. — *Epigrapsus politus* - NOBILI, 1907: 407 (Hikueru, Kaukura) not *Epigrapsus politus* Heller, 1862 = *C. integer* fide FOREST & GUINOT (1961: 160). — *Cyclograpsus parvulus* - RATHBUN, 1907: 36 (Fakarava). — HOLTHUIS, 1953: 32 (Raroia). — MORRISON, 1954: 5 (Raroia). — *Cyclograpsus integer* - FOREST & GUINOT, 1961: 160, fig. 175a-c (Hikueru; Syn.); 1962: 74 (Biogeography "Tahiti-Tuamotu"). — MONTEFORTE, 1984: 172, annex 1, tab. a (Mataiva, Moorea, Tahiti, Takapoto). — GUINOT, 1985: 454 (List). — POUPIN, 1994a: 56, fig. 52, pl. 6f (Hikueru, Taiaro) - SYNONYMS - *Cyclograpsus parvulus* de Man, 1897.

***Cyclograpsus longipes* Stimpson, 1858**

DISTRIBUTION. — Society (Tahiti); Tuamotu (Makemo, Marutea South, Raroia).

REFERENCES. — *Cyclograpsus longipes* - RATHBUN, 1907: 36 (Makemo, Tahiti). — HOLTHUIS, 1953: 32 (Raroia). — MORRISON, 1954: 5 (Raroia). — FOREST & GUINOT, 1961: 160 (Marutea South); 1962: 72 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 454 (List).

***Labuanium trapezoideum* (H. Milne Edwards, 1837)**

DISTRIBUTION. — Society (Moorea, Raiatea, Tahiti) - *Freshwater*.

REFERENCES. — *Sesarma trapezoidea* - GUÉRIN-MÉNEVILLE, 1838: 14 (Tahiti). — SEURAT, 1934: 51 (Tahiti). — FOREST & GUINOT, 1962: 72 (Biogeography "Tahiti-Tuamotu"). — MARQUET, 1988: 90, fig. 48, tab. 23; 1991: 133, tab. 1-2; 1993: tab. 1, 3 (Moorea, Tahiti). — *Sesarma (Sesarma) trapezoidea* - NOBILI, 1907: 405 (Tahiti). — EDMONSON, 1951: 237, fig. 33b (Raiatea, Tahiti). — FOREST & GUINOT, 1961: 157, fig. 164a-b, 165 (Tahiti). — *Sesarma (Sesarma) trapezoideum* - RATHBUN, 1907: 33 (Tahiti). — *Labuanium trapezoideum* - SERÈNE & SOH, 1970: 402, 406 (Syn.). — GUINOT, 1985: 454 (List).

REMARK. — *Labuanium rotundatum* (Hess, 1865) is also recorded in Polynesia by SAKAI (1976: 663; distribution only "Micronesia, Polynesia"; cited afterwards by GUINOT, 1985: 454). SAKAI must consider the Polynesia *s.l.*, with about 10 states, including French Polynesia. It is doubtful that this species have been really collected in French Polynesia since we have not find any mention of it in TESCH (1917: 193), who gives a detailed distribution, or in SERÈNE & SOH (1970: 402, 406), when they have established the genus *Labuanium*. For the moment, it thus seems better to exclude it from the area.

***Metasesarma rousseauxi granularis* Heller, 1862**

DISTRIBUTION. — Gambier (Tarauru-Roa); Society (Tahiti); Tuamotu (Hikueru).

REFERENCES. — *Metasesarma granularis* Heller, 1862: 522 (Tahiti). — *Metasesarma rugulosa* Heller, 1865: 65 (Tahiti; cf. Remark). — *Metasesarma rousseauxi* H. Milne Edwards - ? ORTMANN, 1894: 717 (Tahiti). — ? HOLTHUIS, 1953: 33 ("Taravao" = Tahiti). — *Sesarma (Metasesarma) rousseauxi* - NOBILI, 1907: 405 (Tarauru-Roa). — *Metasesarma rousseauxi granularis* - FOREST & GUINOT, 1961: 158, fig. 168, 169, 174a-b (Hikueru, "Papenoo" = Tahiti; Syn.); 1962: 72 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 454 (List).

REMARK. — FOREST & GUINOT (1961: 158) writes "*M. rousseauxi granularis*, décrit en 1862 de Tahiti par HELLER, qui, en 1865, substituait à ce nom, sans raison apparente, celui de *M. granulosa*, a été mis en synonymie avec *Metasesarma rousseauxi* H. Milne Edwards, 1853, par DE MAN (1889, p. 439)". The same authors recognise differences between H. MILNE EDWARDS' species and the specimens from Tahiti and Tuamotu, which they attribute to the subspecies *granularis* Heller. According to the location, ORTMANN's and HOLTHUIS' references should be also attributed to this subspecies.

***Sarmatium crassum* Dana, 1851**

DISTRIBUTION. — Society (Tahiti).



REFERENCES. — *Sarmatium crassum* - GUINOT, 1985: 454 (List; origin ?). — DAVIE, 1992: 81, fig. 1a, 2, 3a-c (Tahiti).

***Sesarma angustifrons* A. Milne Edwards, 1869**

DISTRIBUTION. — Society (Moorea, Tahiti).

REFERENCES. — *Sesarma (Sesarma) angustifrons* - DE MAN, 1889: 432, pl. 10, fig. 10 (Tahiti). — NOBILI, 1907: 405 (Tahiti). — SEURAT, 1934: 51 (Tahiti). — *Sesarma angustifrons* - FOREST & GUINOT, 1962: 72 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 454 (List). — MARQUET, 1988: 90, fig. 48, tab. 23; 1991: 133, tab. 1-2; 1993: tab. 1, 3 (Moorea, Tahiti).

***Sesarma jacquinoti* Ortmann, 1894**

DISTRIBUTION. — Society (Tahiti).

REFERENCES. — *Sesarma jacquinoti* Ortmann, 1894: 718 (Tahiti). — FOREST & GUINOT, 1962: 72 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 454 (List).

SUBFAMILY PLAGUSIINAE

***Percnon abbreviatum* (Dana, 1851)**

DISTRIBUTION. — Gambier (Mangareva); Society (Tahiti); Tuamotu (Raroia).

REFERENCES. — *Acanthopus abbreviatus* Dana, 1851: 252; 1852b: 373; 1855, pl. 23, fig. 11a-c (Tahiti). — *Percnon affinis* - NOBILI, 1907: 406 (Mangareva), *pro parte* not *P. affine* H. Milne Edwards, 1853 = *P. abbreviatum* fide FOREST & GUINOT (1961: 164). — *Percnon abbreviatum* - HOLTHUIS, 1953: 33 (Raroia). — MORRISON, 1954: 16 (Raroia). — EDMONSON, 1959: 195, fig. 25c, 26a-c (Syn.). — FOREST & GUINOT, 1961: 164 (Mangareva; Syn.); 1962: 74 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1966a: 48 (Raroia); 1985: 454 (List).

***Percnon affine* (H. Milne Edwards, 1853)**

DISTRIBUTION. — Marquesas; Gambier (Mangareva); Society (Tahiti); Tuamotu (Makatea, Mataiva).

REFERENCES. — *Percnon affinis* - NOBILI, 1907: 406 ("Gatavake" = Mangareva), *pro parte* some sp. are *P. abbreviatum* — FOREST & GUINOT, 1961: 164 ("Gatavake" = Mangareva; Syn.); 1962: 74 (Biogeography "Tahiti-Tuamotu"). — *Percnon pilimanus* - BOONE, 1934: 181, pl. 92-94 (Tahiti). — FOREST & GUINOT, 1962: 74 (Biogeography "Tahiti-Tuamotu, Marquesas"). — *Percnon affine* - CROSNIER, 1965: 88 (Tuamotu; Syn.). — MONTEFORTE, 1984: 172, annex 1, tab. a, photograph p. 138a-bas (Makatea, Mataiva, Tahiti). — DELESALLE, 1985: 289 (Mataiva). — GUINOT, 1985: 454 (List) - SYNONYMS - *Percnon pilimanus* (A. Milne Edwards, 1873).

***Percnon guinotae* Crosnier, 1965**

DISTRIBUTION. — Marquesas (Hiva Oa).

REFERENCES. — *Percnon guinotae* - NEW MATERIAL - February 1996, Coll. & det. J. POUPIN (Hiva Oa).

REMARK. — The presence of this species in French Polynesia was assumed in POUPIN (1994a: 64). It is confirmed here with a specimen collected in the Marquesas.

***Percnon planissimum* (Herbst, 1804)**

DISTRIBUTION. — Gambier (Mangareva); Marquesas (Nuku Hiva); Society (Tahiti); Tuamotu (Fakarava, Hao, Makatea, Marutea South, Mataiva, Moruroa, Raraka, Taiaro, Tikehau).

REFERENCES. — *Acanthopus planissimus* - DANA, 1852b: 372 (Raraka, Tahiti). — HELLER, 1865: 51 (Tahiti). — *Acanthopus tenuifrons* H. Milne Edwards, 1853: 180 (Nuku Hiva). — *Percnon planissimum* - NOBILI, 1907: 406 (Hao, Mangareva, Marutea). — MONTEFORTE, 1984: 172, annex 1, tab. a (Makatea, Mataiva, Tahiti). — PEYROT-CLAUSADE, 1989: 113 (Tikehau). — *Percnon planissimum* - RATHBUN, 1907: 37 (Fakarava). — PESTA, 1913: 64 (Tahiti). — EDMONSON, 1959: 197, fig. 25c, 27a-c (Marquesas). — FOREST & GUINOT, 1961: 163 (Marutea South, Tahiti; Syn.);



1962: 74 (Biogeography "Tahiti-Tuamotu, Marquesas"). — CHEVALIER *et al.*, 1968: 95, 138 (Moruroa). — GUINOT, 1985: 454 (List). — POUPIN, 1994a: 64, fig. 60, pl. 8a (Mangareva, Taiaro).

***Plagusia speciosa* Dana, 1851**

DISTRIBUTION. — Marquesas; Society (Tahiti); Tuamotu (Ahe and/or Manihi, Hao, Hikueru, Makatea, Makemo, Mataiva, Raroia, Taiaro, Takapoto).

REFERENCES. — *Plagusia speciosa* Dana, 1851: 252; 1852b: 369; 1865, pl. 23, fig. 9 ("Waterland" = Ahe and/or Manihi). — KINGSLEY, 1880c: 223 (Tahiti). — DE MAN, 1890: 89 (Tuamotu). — ORTMANN, 1894: 731 (Tuamotu). — NOBILI, 1907: 406 (Hao). — RATHBUN, 1907: 36 (Makemo). — SENDLER, 1923: 35 (Makatea). — BOONE, 1934: 185, pl. 95-96 (Tahiti). — HOLTHUIS, 1953: 34 (Raroia). — MORRISON, 1954: 16 (Raroia). — FOREST & GUINOT, 1961: 162, fig. 177a-c, 178 (Hao, Hikueru); 1962: 74 (Biogeography "Tahiti-Tuamotu, Marquesas"). — GUINOT, 1966a: 48 (Raroia); 1985: 454 (List). — MONTEFORTE, 1984: 172, annex 1, tab. a, photograph p. 138a-haut (Makatea, Mataiva, Takapoto). — DELESALLE, 1985: 289 (Mataiva). — SALVAT & RICHARD, 1985: 362 (Takapoto). — POUPIN, 1994a: 65, fig. 61, pl. 7g (Hao, Hikueru, Taiaro).

REMARK. — *Plagusia immaculata* Lamarck, 1818 is erroneously cited from Tahiti and the Tuamotu by DAI & YANG (1991: 563). This error must come from a quick reading of EDMONSON (1959: 194), where "Tuamotus (type locality), Tahiti" is mentioned under *P. immaculata*, but for remarks concerning only *P. speciosa* Dana.

***Plagusia tuberculata* Lamarck, 1818**

DISTRIBUTION. — Austral (Raevavae); Gambier (Kamaka, Mangareva); Marquesas (Nuku Hiva); Tuamotu (Makatea?).

REFERENCES. — *Plagusia squamosa* - NOBILI, 1907: 406 (Kamaka, Mangareva; inferred only: reference not retrieved in recent works, and material not found in Paris). — *Plagusia depressa tuberculata* - FOREST & GUINOT, 1962: 74 (Biogeography "Tahiti-Tuamotu"). — *Plagusia depressa* - ? MONTEFORTE, 1984: 172, annex 1, tab. a (Makatea) not *P. depressa* (Fabricius, 1775) = *P. tuberculata* cf. Remark. — *Plagusia tuberculata* - GUINOT, 1985: 454 (List). — POUPIN, 1994a: 66, fig. 62, pl. 7h (Nuku Hiva, Raevavae, Tuamotu) - SYNONYMS - *Plagusia squamosa* (Herbst, 1882) (cf. SAKAI, 1976: 676, then ALCOCK, 1900: 437).

REMARK. — *Plagusia depressa* (Fabricius, 1775) is a species of the tropical Atlantic (cf. DAWSON, 1987: 42) and cannot be MONTEFORTE's (1984) material which is more likely *P. tuberculata* (One specimen of this species is actually deposited in the CRIOBE collections, Moorea, Coll. and det. MONTEFORTE).

FAMILY PINNOTHERIDAE

***Pinnotherelia laevigata* A. Milne Edwards & Lucas, 1843**

DISTRIBUTION. — Marquesas (Nuku Hiva).

REFERENCES. — *Pinnotherelia laevigata* - RATHBUN, 1918: 181, fig. 115, pl. 39, fig. 1-3, pl. 40, fig. 1-2 (Marquesas "Tawhoe" = Taiohae, Nuku Hiva). — SCHMITT *et al.*, 1973: 125 (catalogue "Marquesas Islands").

FAMILY OCYPODIDAE

***Macrophthalmus consobrinus* Nobili, 1906**

DISTRIBUTION. — Gambier (Mangareva) - Brackish water.

REFERENCES. — *Macrophthalmus consobrinus* Nobili, 1906a: 265; 1907: 408 (Mangareva). — FOREST & GUINOT, 1962: 70 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 453 (List). — *Macrophthalmus parvimanus* - BARNES, 1977: 273, *pro parte*, only NOBILI's *consobrinus*, not *M. parvimanus* Guérin-Méneville, 1834 (cf. Remark).

REMARK. — According to BARNES (1977: 273) NOBILI's *Macrophthalmus consobrinus* is the same as *Macrophthalmus parvimanus* Guérin-Méneville, 1834. However, to check that point, a large sample of *M. consobrinus* has been recently



collected in the Gambier Islands, and it appears that NOBILI's species is valid, and closely related to *M. convexus* Stimpson, 1858 (POUPIN, in study).

#### ***Macrophthalmus convexus* Stimpson, 1858**

DISTRIBUTION. — Society (Bora Bora, Tahiti) - *Brackish water*.

REFERENCES. — *Macrophthalmus convexus* - ORTMANN, 1894: 745 (Tahiti). — FOREST & GUINOT, 1962: 70 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 453 (List) - NEW MATERIAL - Coll. and det. J. POUPIN (Bora Bora).

#### ***Macrophthalmus serenei* (Serène, 1983)**

DISTRIBUTION. — Tuamotu (Tikehau).

REFERENCES. — *Macrophthalmus serenei* - NEW MATERIAL - Coll. C. HILY, det. J. POUPIN (Tikehau).

#### ***Ocypode ceratophthalma* (Pallas, 1772)**

DISTRIBUTION. — Gambier? (Mangareva); Society (Scilly, Tahiti); Tuamotu (Fakarava, Makatea, Makemo, Mataiva, Marutea South?, Rangiroa, Raroia, Taiaro, Takapoto, Tikehau).

REFERENCES. — *Ocypode urvillei* Guérin-Méneville, 1829: pl. 1, fig. 1, 1a-b; 1838: 9 (Tahiti). — OWEN, 1839: 80 ("Low Islands" = Tuamotu). — NOBILI, 1907: 407 *pro parte* (Marutea?, cf. Remark sous *O. pallidula*). — FOREST & GUINOT, 1962: 70 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 453, with a ? (List). — *Ocypode ceratophthalma* - STIMPSON, 1858b: 100 [46]; 1907: 108, pl. 12, fig. 2 (Tahiti). — ORTMANN, 1897a: 364 (Syn.). — RATHBUN, 1907: 26 (Fakarava, Makemo, Rangiroa). — SENDLER, 1923: 21 (Tahiti). — HOLTHUIS, 1953: 28 (Raroia). — MORRISON, 1954: 9 (Raroia). — FOREST & GUINOT, 1962: 70 (Biogeography "Tahiti-Tuamotu"). — SAKAI & TÜRKAY, 1976: 86, fig. 13 (Syn.). — MONTEFORTE, 1984: 173, annex 1, tab. a (Makatea, Mataiva, Takapoto). — DELESALLE, 1985: 289, 303 (Mataiva). — GUINOT, 1985: 453 (List). — HARMELIN-VIVIEN, 1985: 239 (Tikehau). — SALVAT & RICHARD, 1985: 359 (Takapoto). — POUPIN, 1994a: 68, fig. 64, pl. 8c-d (Tahiti, Taiaro, Scilly). — *Ocypode cordimana* - KINGSLEY, 1880b: 186 (Tahiti) not *O. cordimana* Desmaret, 1825 = *O. urvillei*, synonym of *O. ceratophthalma*, fide ORTMANN (1897a: 366). — ? *Oxypode* (*sic*) - CHARLEUX, 1986: 81, photograph (French Polynesia), det. according to the photograph.

#### ***Ocypode cordimana* Desmaret, 1825**

DISTRIBUTION. — Society (Bora Bora, Tahiti).

REFERENCES. — *Ocypode cordimana* - BOONE, 1934: 191, pl. 99-100 (Bora Bora). — FOREST & GUINOT, 1962: 70 (Biogeography "Tahiti-Tuamotu"). — GUINOT, 1985: 453 (List). — POUPIN, 1994a: 69, fig. 65, pl. 8e (Tahiti). — Not *Ocypode cordimana* - KINGSLEY, 1880b: 186 (Tahiti) fide ORTMANN (1897a: 366) = *O. urvillei*, synonym of *O. ceratophthalma*.

REMARK. — BOONE mentions this species in the Tuamotu ("Paumotus") after RATHBUN (1907: 26). In fact it is *O. ceratophthalma* that RATHBUN has cited from this archipelago.

#### ***Ocypode pallidula* Jacquinot 1852**

DISTRIBUTION. — Gambier (Aukena, Mangareva); Tuamotu (Marutea South?, Moruroa).

REFERENCES. — *Ocypode pallidula* Jacquinot, 1852, pl. 6, fig. 1a (Mangareva). — SAKAI & TÜRKAY, 1976: 87, fig. 14-15 ("Rikitea" = Mangareva; type material, Syn.). — JONES, 1988: 34 (Syn.). — POUPIN, 1994a: 70, fig. 66, pl. 8f (Aukena). — *Ocypode cordimana* (Junior) - JACQUINOT & LUCAS, 1853: 64 (Mangareva) not *O. cordimana* Desmaret, 1825 = *O. pallidula* fide SAKAI & TÜRKAY (1976: 87). — *Ocypode urvillei* - NOBILI, 1907: 407, *pro parte* ("Rikitea" = Mangareva, Marutea?). — SEURAT, 1934: 52 (Mangareva; NOBILI's material) - The two references, not *O. urvillei* Guérin-Méneville, 1829, synonym of *O. ceratophthalma* = *O. pallidula* (cf. Remark). — *Ocypode laevis* - CHEVALIER *et al.*, 1968: 109 (Moruroa) - NEW MATERIAL - Coll. B. SALVAT, 1966, det. J. POUPIN (Moruroa) - SYNONYMS - *Ocypode laevis* Dana, 1852.

REMARK. — After ORTMANN (1897a: 366), *Ocypode pallidula*, was usually considered as the same as *O. urvillei* (= *O. ceratophthalma*). Its validity was re-established by SAKAI & TÜRKAY (1976). The material mentioned in NOBILI (1907)



and SEURAT (1934), under *O. urvillei* has been collected at Marutea South and Mangareva. The specimens from this second island are in fact *O. pallidula* (verification in the collections of Paris: 1 sp. labelled "*Ocypoda urvillei* Guér., Seurat coll. 1905, Bouvier dét., G. Nobili vérif. 1906", MNHN B11841, is a real *O. pallidula*). The specimens from Marutea South could reasonably be *O. ceratophthalma*, very common in the Tuamotu.

***Uca chlorophthalmus crassipes* (Adams & White, 1848)**

DISTRIBUTION. — Austral (Raevavae); Marquesas; Society (Bora Bora, Maupiti, Raiatea, Tahiti) - *Brackish water*.

REFERENCES. — *Gelasimus latreillei* H. Milne Edwards, 1852: 114, pl. 4, fig. 20, 20a (Bora Bora). — *Gelasimus pulchellus* Stimpson, 1858b: 100 [46]; 1907: 107, pl. 15, fig. 1 (Tahiti). — *Gelasimus gaimardi* - HELLER, 1865: 38 (Tahiti). — *Uca chlorophthalmus* - NOBILI, 1907: 408 ("Taravao" = Tahiti). — *Uca gaimardi* - RATHBUN, 1907: 26 (Bora Bora, Tahiti). — HOLTHUIS, 1953: 29 ("Taravao" = Tahiti). — CRANE, 1957: 74, 78 (Bora Bora, Raiatea, Tahiti). — FOREST & GUINOT, 1961: 140, fig. 140-145, 153, 156a-b (Tahiti); 1962: 70 (Biogeography "Tahiti-Tuamotu"). — *Gelasimus (Uca) chlorophthalmus* - SEURAT, 1934: 60 (Tahiti). — *Uca (Amphiuca) chlorophthalmus crassipes* - CRANE, 1975: 98, 102, 599, fig. 13-14, 26c, 31c, 37h, 39a-b, 56c, 60 l-m, 68a-b, 81g, 83a, 99, pl. 15 a-f, 46b (Bora Bora, Raiatea, Tahiti, Marquesas p. 599; Syn.). — GUINOT, 1985: 453 (List). — POUPIN, 1994a: 71, fig. 67, pl. 8g (Maupiti, Raevavae, Tahiti) - SYNONYMS - *Uca gaimardi* H. Milne Edwards, 1852.

***Uca tetragonon* (Herbst, 1790)**

DISTRIBUTION. — Austral (Rapa); Gambier (Mangareva); Society (Bora Bora, Raiatea, Tahiti); Tuamotu (Moruroa, Napuka, Raroia).

REFERENCES. — *Gelasimus duperreyi* Guérin-Méneville, 1829, pl. 1, fig. 2, 2a (Bora Bora). — *Gelasimus tetragonon* - GUÉRIN-MÉNEVILLE, 1838, pl. 1, fig. 2, 2a (Bora Bora) *pro parte*. — HELLER, 1865: 37 (Tahiti). — KINGSLEY, 1880a: 143, pl. 9, fig. 11 (Tahiti). — MIERS, 1886: 243 (Tahiti). — DE MAN, 1891: 24, pl. 2, fig. 6 (Tahiti). — ORTMANN, 1894: 754 (Tahiti). — *Uca tetragonon* - NOBILI, 1907: 408 ("Rikitea, Gatavake" = Mangareva). — RATHBUN, 1907: 26 (Bora Bora). — HOLTHUIS, 1953: 29 (Raroia). — MORRISON, 1954: 8 (Raroia). — CRANE, 1957: 79 (Bora Bora). — *Gelasimus (Uca) tetragonon* - SEURAT, 1934: 59 (Mangareva). — *Uca tetragonum* - FOREST & GUINOT, 1962: 70 (Biogeography "Tahiti-Tuamotu"). — *Uca (Thalassuca) tetragonon* - CRANE, 1975: 77, 81, 596, fig. 37d, 63a-b, 81f, 82e, 99, pl. 13 (Bora Bora, Raiatea, Raroia, Tahiti; Syn.). — GUINOT, 1985: 453 (List). — POUPIN, 1994a: 72, fig. 68, pl. 8h (Mangareva, Moruroa, Napuka, Rapa).

REMARK. — FOREST & GUINOT (1962: 70) mention *U. dussumieri* (H. Milne Edwards) from French Polynesia, probably after ORTMANN (1894; *Gelasimus dussumieri*, Tahiti, p. 755). ORTMANN's reference is cited by CRANE (1975) for two subspecies: *Uca (Deltuca) dussumieri spinata* (specimens from Java and Singapore) and *Uca (Deltuca) dussumieri dussumieri* (specimens from the Philippines and Mindanao). ORTMANN's Tahitian *U. dussumieri* do not appear in CRANE, who clearly indicates (p. 437) that *Uca dussumieri* does not occur in French Polynesia. ORTMANN's "*U. dussumieri*", if they exist, must probably be, either *U. chlorophthalmus*, or *U. tetragonon*.

FAMILY CRYPTOCHIRIDAE

***Cryptochirus coralliodytes* Heller, 1861**

DISTRIBUTION. — Tuamotu (Makatea, Marutea South, Marokau).

REFERENCES. — *Cryptochirus coralliodytes* - NOBILI, 1907: 409 (Marutea South, Marokau). — SENDLER, 1923: 41 (Makatea). — FOREST & GUINOT, 1962: 74 (Biogeography "Tahiti-Tuamotu"). — SEURAT, 1934: 60 (Marokau, Marutea South). — GUINOT, 1985: 454 (List). — KROPP, 1988: 873 (Revision of this species but without mention of French Polynesia).

***Hapalocarcinus marsupialis* Simpson, 1859**

DISTRIBUTION. — Society (Moorea, Tahiti); Tuamotu (Takapoto).



REFERENCES. — *Hapalocarcinus marsupialis* - KROPP & BIRKELAND, 1981: 629, tab. 5 (Moorea, Takapoto). — ODINETZ, 1983: 29, 205 (Moorea, Tahiti, Takapoto). — GUINOT, 1985: 454 (List). — ODINETZ-COLLART & RICHER DE FORGES, 1985: 201 (Moorea and/or Tahiti).

#### FAMILY HYMENOSOMATIDAE

##### *Elamena mathaei* (Desmaret, 1825)

DISTRIBUTION. — Tuamotu (Tikehau).

REFERENCES. — *Elamena mathaei* - PEYROT-CLAUSADE, 1989: 113 (Tikehau).

#### FAMILY INCERTAE SEDIS

##### *Daira perlata* (Herbst, 1790)

DISTRIBUTION. — Society (Moorea, Raiatea, Tahiti); Tuamotu (Makatea, Mataiva, Hao, Hikueru, Raroia, Taiaro, Takapoto, Tikehau).

REFERENCES. — *Daira perlata* - NOBILI, 1907: 392 (Hao). — RATHBUN, 1907: 44 (Tahiti). — SENDLER, 1923: 38 (Makatea). — BOONE, 1934: 129, pl. 69 (Raiatea, Tahiti). — HOLTHUIS, 1953: 19 (Raroia). — CHABOUIS L. & F., 1954: 91, fig. 4 (French Polynesia). — MORRISON, 1954: 15 (Raroia). — FOREST & GUINOT, 1961: 119 (Hikueru, Tahiti); 1962: 68 (Biogeography "Tahiti-Tuamotu"). — PEYROT-CLAUSADE, 1977a, annex of the species: 26; 1977b: 212 (Moorea); 1989: 112, 115 (Moorea, Tikehau). — MONTEFORTE, 1984: 170, annex 1, tab. a, photograph p. 137a (Makatea, Mataiva, Moorea, Takapoto); 1987: 9 (Moorea). — DELESALLE, 1985: 289, 305 (Mataiva). — GUINOT, 1985: 453 (List). — SALVAT & RICHARD, 1985: 362 (Takapoto). — SALVAT, 1986b: 72, photograph (French Polynesia). — POUPIN, 1994a: 51, fig. 47, pl. 6b (Hikueru, Taiaro).

REMARK. — This species has sometimes been classified in the Zalasiinae Serène, 1968 (cf. SAKAI, 1976: 513).

##### *Parapleurophrycoides roseus* Nobili, 1906

DISTRIBUTION. — Tuamotu (Marutea South).

REFERENCES. — *Parapleurophrycoides roseus* Nobili, 1906a: 264; 1907: 402, pl. 2, fig. 5 (Marutea; gen. nov. and sp. nov. described from a very small specimen, 1.3x1.7mm).

REMARK. — For this species, and the following, FOREST & GUINOT (1962: 41) write: "...nous les considérons comme des juvéniles difficilement identifiables."

##### *Platyozius perpusillus* Nobili, 1906

DISTRIBUTION. — Tuamotu (Hao).

REFERENCES. — *Platyozius perpusillus* Nobili, 1906a: 264; 1907: 401 (Hao; described from a very small specimen, 1.45x1.75mm).

REMARK. — In SAKAI (1976: 535), *Platyozius* Borradaile, 1902 is the same as *Eucrater* de Haan, 1835 (Goneplacidae).



## D I S C U S S I O N

### NUMBER OF POLYNESIAN SPECIES

A total of 401 littoral or sublittoral species are recorded in this work. The number by infra-order and family is computed on table 1. The Brachyura clearly prevail, with 78% of the species, followed by the Anomura (18%), and the Palinura (4%).

Within the crabs, the Xanthidae account for 123 species, distributed in 5 main subfamilies: Liomerinae, Actaeinae, Zoziminae, Xanthinae, and Chlorodiinae. The Portunidae account for 54 species, including 6 recorded for the first time from determinations made by MOOSA and CROSNIER: *Portunus macrophthalmus*, *P. orbitosinus*, *Thalamita danae*, *T. macropus*, *T. mitsiensis*, and *T. philippinensis*; half of the sublittoral species belong to this family. Two other families are also well represented, the Grapsidae, with 35 species, and the Trapeziidae, with 20 species. From these two families, *Percnon guinotae*, *Planes cyaneus* and *Quadrella maculosa*, are recorded for the first time. With respect to the list presented 10 years ago by GUINOT (1985), excluding the species mentioned erroneously, or not fully determined, about 60 species are added to the Polynesian Brachyura, and approximately a hundred, if the deep species are included.

Within the Anomura, the Diogenidae account for 40% of the species with three main genera: *Calcinus*, *Clibanarius*, and *Dardanus*. *Calcinus guamensis*, *C. imperialis*, and *Dardanus australis*, are now recorded in French Polynesia. The porcellanids account for about 25% of the species, the single genus *Petrolisthes* representing 12 species out of 17. The Albuneidae are represented by only one species, *Albunea speciosa*, which was previously thought to be endemic from the Hawaiian islands.

Only 14 palinurids are recorded in French Polynesia, of which 2 only by larvae (*Palinurellus wieneckii* and *Arctides regalis*).

### SPECIES ERRONEOUSLY RECORDED IN FRENCH POLYNESIA

Fourteen species have been erroneously recorded in French Polynesia. They are: *Panulirus ornatus* (cf. under *P. versicolor*), *Panulirus polyphagus* (cf. under *P. pascuensis*), *Dynomene sinense* (cf. under *D. praedator*), *Ashtoret granulosa* (cf. under *A. picta*), *Lophozozymus incisus* (cf. under *L. superbus*), *Labuanium rotundatum* (cf. under *L. trapezoideum*), *Plagusia immaculata* (cf. under *P. speciosa*), *Uca dussumieri* (cf. under *U. tetragonon*), *Pachygrapsus transversus*, *Dotilla fenestrata*, *Ocypode macrocera*, *Ocypode platytarsis*, and two freshwater crabs (Potamonidae).

*Pachygrapsus transversus* Gibbes, 1850 is recorded from Tahiti by KINGSLEY (1880c: 199) (Tahiti). According to HOLTHUIS & GOTTLIED (1958: 102) this record is obviously false, *P. transversus* being an Atlantic species. This conclusion is later supported by MANNING & HOLTHUIS (1981: 235), who report however the species in the Pacific, but only along the American coasts.

The ocypodid *Dotilla fenestrata* Hilgendorf, 1869, is listed by GUINOT (1985: 453) after KROPP & BIRKELAND (1981). It is probably a mistake, because this species is not mentioned in that work, and, to our knowledge, has never been reported, elsewhere, from French Polynesia. Two other ocypodids, with an uncertain status, are also erroneously reported from Tahiti, by HELLER (1865: 42): *Ocypode macrocera* (H. Milne Edwards, 1837) and *Ocypode platytarsis* (H. Milne Edwards, 1852) (see ORTMANN, 1897a: 362).



HELLER has mentioned two potamonids crabs in Tahiti: *Thelphusa wüllerstorfi*, described as a new species in 1862 (p. 520); and *Thelphusa leschenaudii* (H. Milne Edwards, 1853) (in HELLER, 1865: 32). RATHBUN (1904: 287) places these two references under a single species *Potamon (Potamon) hydrodromus* (Herbst, 1796) and writes (p. 289): "il est douteux que cette espèce ou quelque autre habite Tahiti". Since the recent works by MARQUET (1988, 1991, 1993), who has intensively sampled the freshwater Polynesian fauna, it is almost certain that the Potamonidae are not represented in French Polynesia.

#### IMPROVEMENT AND CORRECTION OF THIS LIST

This bibliographic compilation is of course tentative and certainly does not account for all the species living in French Polynesia. When new collections become available, other species will undoubtedly be added to the present list. Moreover, despite a careful research, it is possible that a few works, recording additional species, have passed undetected. Right now, several species listed here deserve a particular attention, either because their presence in French Polynesia remained to be confirmed, or because their identification, or taxonomic status, are uncertain.

Twelve species of this list could have been erroneously recorded from French Polynesia. They are known only by larvae (*Palinurellus wieneckii*, *Arctides regalis*), are mentioned with doubt, or in an ambiguous way (*Petrolisthes militaris*, *Porcellana mitra*, *Porcellana monilifera*, *Ozius truncatus*), appear only in a part "Distribution", the origin of the French Polynesian material remaining unknown (*Neoliomera insularis*, *Gaillardiellus rueppelli*, *Macromedaeus distinguendus*, *Thalassograpsus harpax*), or, are cited from French Polynesia only because of the large geographic distribution of the species, without real collections in the field (*Schizophrys aspera*, *Aethra scruposa*).

For a score of species the revision of the material would be particularly interesting. They are *Coenobita cavipes*, *Petrolisthes rufescens*, *Dardanus guttatus*, *Matuta victor*, *Charybdis annulata*, *Portunus pelagicus*, *Lophozozymus pictor*, *Trapezia septata*, *Chasmagnathus subquadratus*, and *Cryptochirus coralliodytes*, corresponding to isolated, usually old references, never again cited in recent revisions; *Enoplometopus holthuisi* and *Neopetrolisthes maculatus*, cited only in non-taxonomic books; *Neoliomera pubescens*, *Actaea calculosa*, *Forestia depressa*, *Forestia scabra*, and *Actumnus globulus*, for which it is clearly indicated, in systematic studies, that the revision of this material is necessary; and *Trapezia formosa*, re-examined in Paris and perhaps belonging to a new species (P. CASTRO, personal communication). Furthermore, about 30 additional species, recorded in ecological works, with sometimes only provisional determinations, could be added to the above mentioned species (cf. for example, *Calcinus minutus*, *Galathea* aff. *amamiensis*, *Liomera laperousei*, *Paramedaeus simplex*, *Actaea* aff. *glandifera*, *Zozymodes xanthoides*...).

The status of 15 species is doubtful and must be revised. They are: *Coenobita carnescens* and *C. olivieri*, that could respectively be synonyms of *C. perlatus* and *C. spinosus*; *Galathea latirostris* and *Cryptodromia coronata*, two species whose exact identity remains to be defined; *Thalamita minuscula*, *Parapleurophrycoides roseus*, and *Platyozius perpusillus*, described from very small specimens which could only be the juveniles of more common species; *Xanthias tetraodon*, possibly a synonym of *X. nitidulus*; *Etisus punctatus*, described only after drawings, the corresponding material being lost; and *Porcellana monilifera*, *Actaeomorpha alvae*, *Portunus alexandri*, *Grapsus depressus*, *Ptychognathus crassimanus*, and *Sesarma jacquinoti*, 6 species described from French Polynesia a long time ago, and never recorded since.



## BIOGEOGRAPHY

For the Brachyura, FOREST & GUINOT (1962) have already established that the French Polynesian fauna is a part of the Indo-West Pacific fauna. Located at the eastern limit of this area, French Polynesia is characterised by a lower diversity than in the Indo-Malaysian area, considered as the origin from where the Indo-West Pacific fauna has extended. This assumption can be verified here for other groups. For the Astacidea and Palinuridea, HOLTHUIS (1991) records 27 western-pacific species (zone 71 = Malaysia, Indonesia, Philippines, New Guinea), collected within the first 100m, against only 14 in French Polynesia. For the genus *Clibanarius*, RAHAYU & FOREST (1992) report 20 Indonesian species, against only 7 in this work. For other diogenids the comparison with the Indonesian fauna (in RAHAYU, 1992) reveal the following discrepancies: *Aniculus* 4 vs 2 species, *Calcinus*, 23 vs 10 species, *Dardanus* 10 vs 8 species, and *Diogenes* 18 vs 1 species.

In our list, 21 species are known only from French Polynesia. For most of them, it is doubtful that they are real endemic forms: 3 have been described from very small specimens which could be juveniles of other species (*Parapleurophrycoides roseus*, *Platozius perpusillus*, *Thalamita minuscula*); 2 are sublittoral to deep species recently described from material collected with difficulty by the use of deep traps (*Alainodaeus rimatara*, *Medaeus grandis*); and 8 are some of the doubtful species already mentioned (*Coenobita carnescens*, *Etisus punctatus*, *Porcellana monilifera*, *Actaeomorpha alvae*, *Portunus alexandri*, *Grapsus depressus*, *Ptychognathus crassimanus*, and *Sesarma jacquinoti*). Concerning this last group, let us recall that *Ruppellia granulosa*, never recorded since its description from the Marquesas, is here proposed as a junior synonym of the *Lydia annulipes*, widely distributed in the Indo-West Pacific. The 8 remaining species, which could be true endemic forms, are the following: *Parribacus holthuisi*, *Micropagurus polynesiensis*, *Nucia rosea*, *Nursia mimetica*, *Lissocarcinus elegans*, *Acanthophrys cristimanus*, *Ozius tricarinatus*, and *Macrophthalmus consobrinus*. However, it is likely that some of them are distributed at least as far as the Western Polynesia, and that they will be recorded there when more collections are available. As an example, *Calcinus nitidus*, formerly considered as endemic from Tahiti, has been recently reported in the Samoa (POUPIN, 1994a).

The French Polynesian fauna could be related to the fauna of the Hawaiian islands, which are of similar origin and geomorphology. A comparison between the two areas remains difficult because no detailed list of the Hawaiian fauna is yet available. We however notice that 4 species, *Albunea speciosa*, *Charybdis hawaiiensis*, *Panopeus pacificus* and *Sesarma angustifrons*, are still known only from these two areas. ELDREDGE & MILLER (1995) have recently published the number of Hawaiian species, by Infra-Order. The same calculation, made after our work, is compared with the data of these authors in table 2. The most obvious result is that the French Polynesian fauna is almost twice as rich as the Hawaiian fauna. Nevertheless, the fauna of the Hawaiian islands has been well studied, with some important works, like RATHBUN (1906) or EDMONSON (1959, 1962). This discrepancy could come from the as exhaustive as possible approach that we have adopted in our compilation. In particular we have included: about 30 species recorded only in ecological works, with sometimes incomplete or only preliminary determinations; 45 doubtful species (uncertainty about the taxonomic status or the effective presence in French Polynesia); 92 species belonging to the deep fauna, which has been intensively studied and collected recently. Yet, if these three groups are eliminated from the calculation, the result remains still clearly higher in French Polynesia (326 species vs 246). Thus, this observation would reveal a real difference between the two areas, the number of species being greater in French Polynesia. A similar result has been observed for the barnacles by NEWMAN (1986). This author explains the relatively low diversity of the Hawaiian islands by their great isolation, in particular if the low islands are excluded from the chart (see *opt. cit.*, fig. 2), and a settlement from the southern hemisphere, in part from French Polynesia.



Table 1 - Number of French Polynesian species, by Infra-Order and Family. The littoral and sublittoral species come from the above compilation. The deep species have been published in a previous work, updated here in Appendices 1 (The 12 sublittoral to deep species, listed in both works, are counted with the littoral and sublittoral species).

INFRA-ORDER	FAMILY	Littoral and sublittoral	Deep species (>100m)	TOTAL
ASTACIDEA & PALINURIDEA	Enoplometopidae	1	1	2
	Palinuridae	6	3	9
	Synaxidae	2		2
	Scyllaridae	5	1	6
<i>subtotal</i>		14	5	19
ANOMURA	Coenobitidae	8		8
	Diogenidae	31	6	37
	Paguridae	6	1	7
	Parapaguridae		10	10
	Chirostylidae		2	2
	Galatheidae	8	19	27
	Porcellanidae	17		17
	Albuneidae	1		1
	Hippidae	3		3
	Lithodidae		1	1
<i>subtotal</i>		74	39	113
BRACHYURA	Dromiidae	4	1	5
	Homolidae		8	8
	Latreillidae		1	1
	Dynomenidae	3	1	4
	Raninidae	2	2	4
	Poupinidae		1	1
	Calappidae	5	2	7
	Leucosiidae	4	3	7
	Majidae	13	3	16
	Parthenopidae	5	2	7
	Eumedonidae	1		1
	Cancridae		1	1
	Geryonidae		2	2
	Goneplacidae		3	3
	Portunidae	54	1	55
	Xanthidae	123	14	137
	Trapeziidae	20		20
	Pilumnidae	9		9
	Carpiliidae	2		2
	Menippidae	13		13
	Gecarcinidae	5		5
	Grapsidae	35		35
	Pinnotheridae	1		1
	Ocypodidae	8		8
	Cryptochiridae	2		2
	Hymenosomatidae	1		1
<i>Incertae Sedis</i>	3	3	6	
<i>subtotal</i>		313	48	361
<b>TOTAL</b>		<b>401</b>	<b>92</b>	<b>493</b>



Table 2 - Total number of species in French Polynesia (this work, deep species included) and Hawaii (data of ELDREDGE & MILLER, 1995: 7).

	French Polynesia	Hawaii
Palinuridae & Astacidae	19	14
Anomura	113	43
Brachyura	361	189
<b>Total</b>	<b>493</b>	<b>246</b>

Few regional distinctions are observed within the French Polynesian Islands. The differences presented in table 3, where the number of species is calculated by archipelago, mainly indicate differences in the number of explorations, and amount of collections.

Table 3 - Number of species by archipelago. The number in parenthesis indicates the species known only from the corresponding islands.

ARCHIPELAGO	TOTAL
Austral	28 (7)
Gambier	79 (10)
Marquesas	82 (25)
Society	282 (103)
Tuamotu	226 (49)

The Society Islands, with Tahiti, almost inevitable during a stay in French Polynesia, is of course the best studied place. Nearly as many species are known from the Tuamotu Islands, which illustrates the importance of the collections made during the voyages of either the *US Exploring Expedition* (Ahe, Manihi, Rangiroa, Reao...) or the *Albatross* (Fakarava, Rangiroa...), and those made by SEURAT (Hao, Marutea South...), RANSON (Hikueru), or MORRISSON (Raroia). The atolls of this archipelago, without rivers, are of course not colonized by fresh or brackish water species such as: the Hippidae of the genus *Hippa*, the Grapsidae Varuninae (*Ptychognathus*, *Varuna*), the Grapsidae Sesarminae (*Labuanium*, *Sesarma*), and some Ocypodidae such as *Uca chlorophthalmus* (cf. POUPIN, 1994a: 71), *Macrophthalmus convexus* and *M. consobrinus* (POUPIN, in study).

At the southeastern part of Polynesia, the small archipelago of the Gambier Islands, despite its isolation, has been relatively well sampled, thanks to the collections made by SEURAT during his several years stay at Mangareva. In comparison, the Marquesas, far more extended, in the vicinity of the equator, remain poorly known. Affected by particular hydrological conditions, at the origin of the remarkable absence of a reef barrier, they, nonetheless, do not have any regional characteristics. The 25 species that, within French Polynesia, are still known only from these islands, are almost always very common in the Indo-West Pacific. The only exception seems to be the absence of the coconut crab (*Birgus latro*) whose presence was never verified during our frequent visits and inquiries.

With only 28 species, the Austral islands have been clearly less sampled than the others. The northern islands (Maria, Rimatara, Rurutu, Tubuai, and Raevavae) have a fauna similar to the rest of Polynesia, and a lot of common species, although not yet recorded here, have been observed during our



stays: *Panulirus penicillatus*, *Coenobita perlatus*, *Calcinus laevimanus*, *Pachygrapsus plicatus*, *Cardisoma carnifex*... and even, in the mouths of the rivers of Raevavae, the big portunid *Scylla serrata*, common in the high Society Islands. Far more south, at the southern limit of the tropical area, the island of Rapa, and the islets of Marotiri, are affected by the particular climatic conditions prevailing in that place. The perceptible decrease of the water temperature allows only a feeble growth of coral, without a barrier reef. Ashore, the vegetation is affected by a milder climate, the coconut tree being almost absent. This particular situation has an influence on the decapod fauna. Some species, very common elsewhere, have never been found after several visits and inquiries: the coenobite *Coenobita perlatus*, the coconut crab *Birgus latro* and the land crab *Cardisoma carnifex*. In contrast, at least one species, the lobster *Panulirus pascuensis*, has settled in these islands, whereas it is absent in the northern Polynesia.

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## A C K N O W L E D G E M E N T

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## A P P E N D I C E S

### 1 - DEEP SPECIES (from 100m, and deeper)

With the exception of the shrimps (Dendrobranchiata and Caridea), this list resume the work presented at the *International Senckenberg Symposium, Crustacea Decapoda*, Frankfurt, October, 1993 (POUPIN, 1996). Full references on the origin of the material, location and depth of the collections are available in that work. Some species, collected or described since the first compilation are added (in bold). For the new species the reader will find more information in the following works: CROSNIER (1995) for *Pleurocolpus boileau* gen. & sp. nov., DAVIE (1995) for *Nanocassiope oblonga* nov., FOREST (1995) for the new genera *Ciliopagurus* and *Strigopagurus*, GUINOT & RICHER DE FORGES (1995) for the revision of the homolids and the new genus *Yaldwynopsis*, HOLTHUIS (1993) for *Scyllarus rapanus* nov., LEMAITRE (1994) for the genus *Sympagurus*, MANNING (1993) for *Chaceon australis* nov., POUPIN (1994b, 1995) for the genera *Justitia* and *Naxioides*, POUPIN & MCLAUGHLIN (1996) for *Solitariopagurus* sp. nov., and SAINT LAURENT, de & POUPIN (1996) for *Eumunida treguieri* nov.

Twelve sublittoral to deep species, followed by a "\*" are common with the previous list (cf. Conventions).

### INFRA-ORDER ASTACIDEA

#### FAMILY ENOPLOMETOPIDAE

*Hoplometopus gracilipes* de Saint Laurent, 1988



## INFRA-ORDER PALINURIDEA

## FAMILY PALINURIDAE

*Justitia longimanus* (H. Milne Edwards, 1837) \*

*Justitia vericeli* Poupin, 1994

*Palinustus unicornutus* Berry, 1979 (Coll. 1995, Fangataufa, 250m, det. POUPIN & CHAN).

*Puerulus angulatus* (Bate, 1888)

## FAMILY SYNAXIDAE

*Palibythus magnificus* Davie, 1990 \*

## FAMILY SCYLLARIDAE

*Scyllarus aurora* Holthuis, 1981 \*

*Scyllarus rapanus* Holthuis, 1993

## INFRA-ORDER ANOMURA

## FAMILY DIOGENIDAE

*Bathynarius albicinctus* (Alcock, 1905)

*Bathynarius pacificus* Forest, 1993

*Ciliopagurus major* Forest, 1995

*Ciliopagurus pacificus* Forest, 1995

*Ciliopagurus plessisi* Forest, 1995

*Dardanus australis* Forest & Morgan, 1991 \* (Coll. 1995, Rapa 70-115m, det. FOREST).

*Dardanus brachyops* Forest, 1962 \*

*Strigopagurus poupini* Forest, 1995

## FAMILY PAGURIDAE

*Solitariopagurus* sp. nov. Poupin & McLaughlin, 1996

## FAMILY PARAPAGURIDAE

*Strobopagurus* cf. *gracilipes* (A. Milne Edwards, 1891) = *S.* cf. *sibogae* in POUPIN 1996 *vide* LEMAITRE (1994: 378)

*Sympagurus affinis* (Henderson, 1888)

*Sympagurus boletifer* (de Saint Laurent, 1972)

*Sympagurus bougainvillei* Lemaitre, 1994

*Sympagurus dofleini* (Balss, 1912)

*Sympagurus planimanus* (de Saint Laurent, 1972)

*Sympagurus poupini* Lemaitre, 1994

*Sympagurus trispinosus* (Balss, 1911)

*Sympagurus tuamotu* Lemaitre, 1994

*Sympagurus wallisi* Lemaitre, 1994

## FAMILY GALATHEIDAE

*Leiogalatea laevirostris* (Balss, 1913)

*Munida amathea* Macpherson & de Saint Laurent, 1991

*Munida ducousoi* Macpherson & de Saint Laurent, 1991

*Munida evarne* Macpherson & de Saint Laurent, 1991

*Munida hystrix* Macpherson & de Saint Laurent, 1991

*Munida lenticularis* Macpherson & de Saint Laurent, 1991

*Munida longicheles* Macpherson & de Saint Laurent, 1991

*Munida normani* Henderson, 1885

*Munida ocellata* Macpherson & de Saint Laurent, 1991



- Munida pasithea* Macpherson & de Saint Laurent, 1991  
*Munida plexaura* Macpherson & de Saint Laurent, 1991  
*Munida polynoe* Macpherson & de Saint Laurent, 1991  
*Munida profunda* Macpherson & de Saint Laurent, 1991  
*Munida pulchra* Macpherson & de Saint Laurent, 1991  
*Munida rubella* Macpherson & de Saint Laurent, 1991  
*Munida rubrovata* Macpherson & de Saint Laurent, 1991  
*Munida* sp. cf. *pilosimanus* Baba, 1969  
*Munida* sp. cf. *solae* Baba, 1986  
*Sadayoshia* aff. *edwardsii* Miers, 1884

FAMILY CHIROSTYLIDAE

- Eumunida keijii* de Saint Laurent & Macpherson, 1990  
*Eumunida treguieri* de Saint Laurent & Poupin, 1996

FAMILY LITHODIDAE

- Lithodes megacantha* Macpherson, 1991

INFRA-ORDER BRACHYURA

FAMILY DROMIIDAE

- Dromia wilsoni* (Fulton & Grant, 1902) \*  
*Sphaerodromia ducoussoi* McLay, 1991

FAMILY DYNOMENIDAE

- Dynomene tanensis* Yokoya, 1933 (Coll. 1995, Fangataufa, 310m, det. MCLAY).

FAMILY HOMOLIDAE

- Homola ikedai* Sakai, 1979  
*Homola orientalis* s.l. Henderson, 1888  
*Homologenus broussei* Guinot & Richer de Forges, 1981  
*Hypsophrys inflata* Guinot & Richer de Forges, 1981  
*Hypsophrys* aff. *murotoensis* Sakai, 1979  
*Hypsophrys personata* Guinot & Richer de Forges, 1981  
*Moloha* aff. *majora* Kubo, 1936  
*Yaldwynopsis* aff. *spinimanus* Griffin, 1965

FAMILY LATREILLIIDAE

- Latreillia metanesa* Williams, 1982.

FAMILY RANINIDAE

- Notopoides latus* Henderson, 1888  
*Notosceles chimmonis* Bourne, 1922 \*  
*Notosceles viaderi* Ward, 1942

FAMILY POUPINIIDAE

- Poupinia hirsuta* Guinot, 1991

FAMILY CALAPPIDAE

- Calappa* aff. *hepatica* (Linné, 1758) = *Calappa* sp. nov. (GALIL com. pers.)  
*Mursia hawaiiensis* Rathbun, 1893

FAMILY LEUCOSIIDAE

- Oreotlos encymus* Tan & Ng, 1993



- Oreotlos potanus* Tan & Ng, 1993  
*Randallia serenei* Richer de Forges, 1983

## FAMILY MAJIDAE

- Cyrtomaia ihlei* Guinot & Richer de Forges, 1982  
*Naxioides teatui* Poupin, 1995  
*Naxioides vaitahu* Poupin, 1995

## FAMILY PARTHENOPIDAE

- Parthenope (Platylambrus) poupini* Garth, 1993  
*Parthenope (Platylambrus) stellata* Rathbun, 1906

## FAMILY CANCRIDAE

- Platepistoma balssii* (Zarenkov, 1990)

## FAMILY GERYONIDAE

- Chaceon australis* Manning, 1993  
*Chaceon poupini* Manning, 1992

## FAMILY GONEPLACIDAE

- Carcinoplax* aff. *cooki* Rathbun, 1906  
*Carcinoplax* aff. *crosnieri* Guinot & Richer de Forges, 1981  
*Carcinoplax* aff. *verdensis* Rathbun, 1914

## FAMILY PORTUNIDAE

- Charybdis paucidentata* A. Milne Edwards, 1861 \*  
*Parathranites hexagonum* Rathbun, 1906 (Coll. Eiao, Vanavana; 155-240m, det. Moosa)  
*Portunus nipponensis* Sakai, 1938 \*  
*Thalamita macrospinifera* Rathbun, 1911 \*

## FAMILY XANTHIDAE

- Alainodaeus akiaki* Davie, 1993  
*Alainodaeus rimatara* Davie, 1993 \*  
*Banareia fatuhiva* Davie, 1993  
*Demiaia garthi* Guinot & Richer de Forges, 1981  
*Demiaia mortenseni* (Odhner, 1925)  
*Epistocavea mururoa* Davie, 1993  
*Euryozius danielae* Davie, 1993  
*Hypocolpus mararae* Crosnier, 1991  
*Lophozozymus bertonciniae* Guinot & Richer de Forges, 1981  
*Medaeus grandis* Davie, 1993 \*  
*Meractaea tafai* Davie, 1993  
*Meriola rufomaculata* Davie, 1993  
*Nanocassiope oblonga* Davie, 1995  
*Paraxanthodes polynesiensis* Davie, 1993  
*Rata tuamotense* Davie, 1993  
*Pleurocolpus boileau* Crosnier, 1995

## XANTHOIDEA INCERTAE SEDIS

- Beuroisia manquenei* Guinot & Richer de Forges, 1981  
*Mathildella maxima* Guinot & Richer de Forges, 1981  
*Progeryon mararae* Guinot & Richer de Forges, 1981



## 2 - PARTIAL IDENTIFICATIONS

These incomplete references were generally found in ecological works. To avoid partial identifications in the main list, they are presented separately hereafter, by alphabetical order. Four genera are cited for the first time in the area: *Glabropilumnus*, *Heteropanope*, *Libinia*, and *Tylodiplax*.

- Actaea* sp. : MONTEFORTE, 1984: 170, annex 1, tab. a (Moorea, Tahiti); 1987: 8 (Moorea).
- Actumnus* sp. : MONTEFORTE, 1984: 170, annex 1, tab. a (Makatea). — GUINOT, 1985: 452 (List).
- Dromia* sp. : ODINETZ, 1983: 208, with a ? (Tahiti). — GUINOT, 1985: 448 (List).
- Euxanthus* sp. : PEYROT-CLAUSADE, 1977a, annex of the species: 26 (Moorea), juvenile; 1977b: 212 (Moorea). — GUINOT, 1985: 450 (List).
- Glabropilumnus* sp. : MONTEFORTE, 1984: 170, annex 1, tab. a (Mataiva). — DELESALLE, 1985: 289 (Mataiva). — GUINOT, 1985: 452 (List).
- Heteropanope* sp. : PEYROT-CLAUSADE, 1989: 113 (Tikehau).
- Libinia* sp. : SENDLER, 1923: 40 (Tahiti).
- Lybia* sp. : PEYROT-CLAUSADE, 1977a, annex of the species: 27, juvenile (Moorea).
- Neoliomera* sp. : PEYROT-CLAUSADE, 1977a, annex of the species: 27, juvenile (Moorea).
- Pachygrapsus* sp. : HOLTHUIS, 1953: 32 (Raroia).
- Paramedaeus* sp. : PEYROT-CLAUSADE, 1989: 113 (Tikehau).
- Parthenope* sp. : MONTEFORTE, 1984: 174, annex 1, tab. a (Takapoto). — SALVAT & RICHARD, 1985: 350 (Takapoto).
- Petrolishtes* spp. : MONTEFORTE, 1984: 173. — PEYROT-CLAUSADE: 1977: 25.
- Phymodius* sp. : PEYROT-CLAUSADE, 1977a, annex of the species: 27, juvenile (Moorea).
- Pilodius* sp. : PEYROT-CLAUSADE, 1977a, annex of the species: 27, juvenile (Moorea).
- Pilumnus* spp. : MONTEFORTE, 1984: 171, annex 1, tab. a, photo p. 131a (Takapoto); 1987: 9 (Moorea). — SALVAT & RICHARD, 1985: 350 (Takapoto).
- Tylodiplax* sp. : THOMASSIN *et al.*, 1982: 393 (Moorea). — GUINOT, 1985: 453 (List).
- Xanthias* sp. : PEYROT-CLAUSADE, 1989: 112, 115 (Moorea, Tikehau).



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