

1959

Revised Check List Of Philippine Crustacean Decapods

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ABSTRACT

This revised list includes 522 species distributed among 207 genera under 58 families. The majority of the species under the Genus *Palaemon* were transferred to the Genus *Macrobrachium* in accordance with the revision of the family Palaemonidae by Holthuis. The Genus *Scylla* considered, heretofore, as having only one species, is represented in this list by three distinct species and one variety as proposed by the author⁸⁰ in his revision of the genus. The paper embodies also other nomenclatorial changes; and, to serve as guide for future survey work and ecological studies, it records the localities, habitats including some data regarding the economic importance of some species.

INTRODUCTION

The check list of Philippine Crustacean Decapods^{80a} was based mainly on the collections of both the University of the Philippines and those of the then Bureau of Science, now the Institute of Science and Technology. The rest of the data were taken from the reports of such surveys as U.S. Exploring Expedition (1852), Report of the Voyage of the Challenger (1873-76), and the Siboga Expedition (1920).

The collections of both the University of the Philippines and the then Bureau of Science were completely destroyed during World War II, along with the scientific libraries in these two institutions.

Fortunately, the Department of Zoology, University of the Philippines managed to salvage from the debris of war, a very badly torn copy of the check list referred to above. This, however, is in an advanced stage of deterioration.

Since the publication of this check list (1937), several works on the group were published, and during the intervening

period, some nomenclatorial errors were uncovered. A revision of the check list, therefore, is in order. The need is made more imperative by the destruction of literature during the last World War.

Some of the salient features incorporated in this revised list are the following:

I. Holthuis' revision of Palaemonidae, particularly regarding the genus *Palaemon*. Latreille (1810) designated *Palaemon squilla* as the type species of the genus, while Stimpson (1860) made *Palaemon carcinus* as the type. On the basis of priority—Opinion II of the International Commission of Zoological Nomenclature (1910) considered Latreille's type designation valid. Hence, for the group with the type *P. carcinus*, Holthuis proposed the generic name *Macrobrachium* Bate.

Accordingly, on this basis, Holthuis listed only three Philippine species of *Palaemon*, namely:

- 1) *Palaemon tenuipes* (Henderson), in which he included the new species, *P. luzonensis* proposed by Blanco.^{11b}
- 2) *P. concinus* Dana, (Holthuis) also included in this group the new species *P. lagdaoensis*, also created by Blanco.^{11c}
- 3) *Palaemon semenelinkii* (de Man), Siboga. -

Cowles²¹ described 11 species of Philippine *Palaemon*; he considered one of these as new species and named it *P. philippinensis*. He also created one variety, *P. lanceifrons* var. *montalbanensis*. All of these were placed by Holthuis under the genus *Macrobrachium*. The new species named by Cowles as *P. philippinensis* was considered by Holthuis as belonging to *Macrobrachium mammilodactylus* (Thalwitz).

The *Palaemon talaverae* described by Blanco, 1939, as new species was also placed by Holthuis as *Macrobrachium mamillodactylus*.^{44c}

II. Revision of the Genus *Scylla*. Estampador^{30b} listed *Scylla tranguebarica*, and *S. oceanica* as distinct species from *S. serrata* (Forskall), and *S. serrata* var. *paramamosain* as a variety. Heretofore, *S. serrata* was regarded as the only species under the genus; *S. tranguebarica* was considered only as a syno-

nym and *S. oceanica* as a variety under *S. tranguibarica* (Stimpson).

The main bases for the separation of the species are the following:

- 1) differences in the mode of spermiogenesis and oökinesis,
- 2) structural differences in the cells of the gonads,
- 3) differences in the constitution of the chromosomes.

These are described in the work of the author on the Comparative Studies on Spermatogenesis and oögenesis.^{30c}

III. The term "tribe" in the old check list (1937), is replaced by the term "section". This is in accordance with the decision of the 14th International Congress at Copenhagen, 1953—"that the term tribe is to be used only for units below the sub-family level; therefore the term *section* is proposed for those groups of decapods which formerly were indicated under the term "tribe".

IV. The practice of giving more synonyms is attempted in this present work, whenever this is possible. This makes the list of literatures more extensive, and thus making the present edition, more informative.

V. Though the specimens of the University and the then Bureau of Science are no longer in existence the collector's numbers are retained in the revised list for purposes of record with reference to geographical distribution and for materials that were given as exchange with foreign workers. Dr. Cowles, former head of the Department of Zoology, had made some such negotiation.

VI. The revised check list includes 58 families, 207 genera and 522 species, while the old one (1937), listed 55 families, about 195 genera and around 507 species.

ACKNOWLEDGEMENT

The idea of reconstructing and consequently revising the check list was suggested by Professor Francisco Nemenzo, present head of the Department of Zoology, also by Dr. Leopoldo S. Clemente and by other members of the staff of the Department of Zoology, University of the Philippines. Since the time of

liberation from the Japanese Forces (1945), the need for such an informative guide has been felt particularly by the classes in field zoology which are being held every summer at the Marine Biological Station at Puerto Galera, Mindoro.

Designated in charge of the class in the summer, 1958, this author got the opportunity to start the work of revision. The enthusiasm and interest shown by the students was encouraging. And, with the students' cooperation a sizable collection was made which may help toward the rehabilitation of the pre-war collection of the department, which was then considered quite extensive.

A distinct source of encouragement was given by Dr. Pedro E. Abelarde, present dean of the Iloilo College who provided facilities and other assistance in the preparation of the manuscript.

Synoptic List of Families and Genera:

ORDER DECAPODA

SUBORDER MACRURA

DIVISION PHYLLOBRANCHIATA

Group NORMALIA

Section CRANGONIDEA

Family CRANGONIDAE

Genus *Pontophilus* 4 species

Section POLYCARPIDEA

Family PROCESIDAE

Genus *Procesa* 2 "

Family ALPHEIDAE

Genus *Alpheus* 24 "

Genus *Synalpheus* 4 "

Genus *Ogyris* 1 "

Genus *Prathanas* 2 "

Family HIPPOLYTIDAE

Genus *Latreutes* 2 "

Family PANDALIDAE

Genus *Heterocarpus* 4 "

Genus *Dorodotes* 1 "

Genus *Plesionika* 3 "

Genus *Nothocaris* 1 "

Section MONOCARPIDEA

Family THALASSOCARIDAE

Genus <i>Kyptocaris</i>	1	species
Genus <i>Thalassocaris</i>	1	"

Family ATYIDAE

Genus <i>Atya</i>	2	"
Genus <i>Caridina</i>	6	"
Genus <i>Ortmannia</i>	1	"

Family CARICYPHIDAE

Genus <i>Caricyphus</i>	2	"
Genus <i>Anebocaris</i>	1	"

Family ACANTHEPHYRIDAE

Genus <i>Acanthephyra</i>	5	"
Genus <i>Oplophorus</i>	1	"

Family PALAEMONIDAE

Genus <i>Palaemon</i>	3	"
Genus <i>Macrobrachium</i>	9	"
Genus <i>Palaemonella</i>	2	"
Genus <i>Vir</i>	1	"
Genus <i>Periclimenes</i>	3	"
Genus <i>Periclimenaeus</i>	1	"
Genus <i>Onyccaris</i>	1	"
Genus <i>Anchistiodes</i>	1	"

Family NEMATOCARCINIDAE

Genus <i>Nematocarcinus</i>	4	"
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Family TROPIOCARIDAE

Genus <i>Notostomus</i>	2	"
Genus <i>Hymenodora</i>	2	"

Section MONOCARPIDEA

Family STYLODACTYLIDAE

Genus <i>Stylodactylus</i>	1	"
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Family PASIPHAEIDAE

Genus <i>Pasiphaea</i>	2	"
Genus <i>Leptochela</i>	1	"

Family OODEOPIDAE

Genus <i>Oodeopus</i>	1	"
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Section HAPLOPODEA

Family HECTARTHROPIDAE

Genus <i>Hectarthropus</i>	2	"
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Group ABERRANTIA		
Genus <i>Sestertius</i>	1	species
Genus <i>Zoontocaris</i>	1	"
DIVISION DENDROBRANCHIATA		
Group NORMALIA		
Section PENAEIDEA		
Family PENAEIDAE		
Genus <i>Penaeus</i>	7	"
Genus <i>Hemipenaeus</i>	4	"
Genus <i>Benthesicymus</i>	2	"
Genus <i>Haliporus</i>	2	"
Genus <i>Gennadas</i>	1	"
Genus <i>Aristeus</i>	1	"
Family SERGESTIDAE		
Genus <i>Lucifer</i>	12	"
Genus <i>Sergestes</i>	2	"
Genus <i>Acanthosoma</i>	1	"
DIVISION TRICHOBRANCHIATA		
Group NORMALIA		
Section SYNCARIDEA		
Family SCYLLARIDAE		
Genus <i>Ibaccus</i>	2	"
Genus <i>Scyllarus</i>	5	"
Genus <i>Paribacus</i>	1	"
Genus <i>Thenus</i>	1	"
Family PALINURIDAE		
Genus <i>Panulirus</i>	3	"
Genus <i>Palinustus</i>	1	"
Section ASTACIDEA		
Family ERYONIDAE		
Genus <i>Pentacheles</i>	1	"
Family HOMARIDAE		
Genus <i>Nephrops</i>	1	"
Section STENOPIDEA		
Family STENOPIDAE		
Genus <i>Stenopus</i>	1	"
Genus <i>Spongicola</i>	1	"
SUBORDER MACRURA		
DIVISION TRICHOBRANCHIATA		
Group ABERRANTIA		

Family GALATHEIDAE		
Genus <i>Galathea</i>	4	species
Genus <i>Munidopsis</i>	2	"
Genus <i>Uroptychus</i>	1	"
Genus <i>Munida</i>	2	"
Genus <i>Elasmonotus</i>	1	"
Family THALASSINIDAE		
Genus <i>Thalassina</i>	1	"
Family CALLIANASSIIDAE		
Genus <i>Gallianassa</i>	1	"
Genus <i>Gebia</i>	1	"
Family AXIIDAE		
Genus <i>Axius</i>	2	"
Genus <i>Scytoleptus</i>	1	"
Genus <i>Axiopsis</i>	1	"
SUBORDER ANOMURA		
Section PAGURIDEA		
Family PAGURIDAE		
Genus <i>Clibanarius</i>	10	"
Genus <i>Aniculus</i>	1	"
Genus <i>Calcinus</i>	4	"
Family PAGURIDAE		
Genus <i>Paguristes</i>	1	"
Genus <i>Pagurus</i>	11	"
Genus <i>Diogenes</i>	3	"
Genus <i>Eupagurus</i>	2	"
Genus <i>Spiropagurus</i>	1	"
Family COENOBITIDAE		
Genus <i>Birgus</i>	1	"
Genus <i>Coenobita</i>	4	"
Family PARAPAGURIDAE		
Genus <i>Pagurodes</i>	2	"
Genus <i>Parapagurus</i>	1	"
Genus <i>Paguropsis</i>	1	"
Section PORCELLANIDEA		
Family PORCELLANIDAE		
Genus <i>Petrolisthes</i>	4	"
Genus <i>Pisisoma</i>	1	"
Genus <i>Porcellana</i>	1	"

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Section HIPPIDEA

Family HIPPIDAE

Genus *Remipes* 2 species

Genus *Mastigochirus* 1 "

Family ALBUNEIDAE

Genus *Albunea* 2 "

SUBORDER BRACHYURA

Section HOMOLIDEA

Family LATREILLIDAE

Genus *Latreillopsis* 1 "

Genus *Latreilla* 1 "

Section DROMIDEA

Family DROMIDAE

Genus *Dromia* 1 "

Genus *Cryptodromia* 1 "

Section OXYSTOMATA

Family RANINIDAE

Genus *Ranina* 1 "

Family LEUCOSIDAE

Genus *Leucosia* 8 "

Genus *Pseudophilyra* 1 "

Genus *Myra* 3 "

Genus *Ixa* 1 "

Genus *Arcania* 2 "

Genus *Oreophorus* 1 "

Genus *Philyra* 1 "

Genus *Cryptocnemus* 1 "

Genus *Myrodes* 1 "

Genus *Iphiculus* 1 "

Genus *Heterolithadia* 1 "

Family DORIPPIDAE

Genus *Dorippe* 1 "

Genus *Ethusa* 1 "

Family CALAPPIDAE

Genus *Calappa* 3 "

Family MATUTIDAE

Genus *Matuta* 5 "

Section CYCLOMETOPA

Family CORYSTIDAE

Genus *Gomezia* 1 "

Family PORTUNIDAE

Genus <i>Charybdis</i>	7	species
Genus <i>Thalamitoides</i>	1	"
Genus <i>Scylla</i>	3	"
Genus <i>Podophthalmus</i>	1	"
Genus <i>Thalamita</i>	9	"
Genus <i>Neptunus</i>	10	"
Genus <i>Lissocarcinus</i>	2	"

Family XANTHIDAE

Genus <i>Carpilius</i>	3	"
Genus <i>Carpilodes</i>	1	"
Genus <i>Lophactea</i>	1	"
Genus <i>Atergatopsis</i>	1	"
Genus <i>Xantho</i>	5	"
Genus <i>Etisus</i>	2	"
Genus <i>Actaea</i>	4	"
Genus <i>Chlorodops</i>	1	"
Genus <i>Xanthodes</i>	1	"
Genus <i>Epixanthus</i>	2	"
Genus <i>Pilumnus</i>	6	"
Genus <i>Trapezia</i>	3	"
Genus <i>Liomera</i>	1	"
Genus <i>Lophozozymus</i>	1	"
Genus <i>Lophopanopeus</i>	1	"
Genus <i>Atergatis</i>	2	"
Genus <i>Leptodius</i>	1	"
Genus <i>Etisodes</i>	1	"
Genus <i>Chlorodius</i>	1	"
Genus <i>Phymodius</i>	1	"
Genus <i>Menippe</i>	1	"
Genus <i>Baptozius</i>	1	"
Genus <i>Eriphia</i>	3	"
Genus <i>Quadrella</i>	1	"

Family POTAMONIDAE

Genus <i>Potamon</i>	8	"
Genus <i>Pseudotelphusa</i>	1	"

Section CATOMETOPA

Family GONEPLACIDAE

Genus <i>Carcinoplax</i>	7	"
Genus <i>Goneplax</i>	1	"
Genus <i>Typhlocarcinus</i>	1	"

Genus <i>Chasmocarcinus</i>	1	species
Genus <i>Psopheticus</i>	1	"
Genus <i>Ceratoplax</i>	2	"
Genus <i>Hephopleta</i>	1	"
Genus <i>Typhlocarcinops</i>	4	"
Family GRAPSIDAE		
Genus <i>Grapsus</i>	2	"
Genus <i>Geograpsus</i>	1	"
Genus <i>Metopograpsus</i>	3	"
Genus <i>Metasesarma</i>	1	"
Genus <i>Varuna</i>	2	"
Genus <i>Ptychognathus</i>	3	"
Genus <i>Percnon</i>	1	"
Genus <i>Metopograpsus</i>	3	"
Genus <i>Sesarma</i>	21	"
Genus <i>Helice</i>	1	"
Genus <i>Utica</i>	1	"
Genus <i>Plagusia</i>	3	"
Family GEOCARCINIDAE		
Genus <i>Cardisoma</i>	2	"
Genus <i>Gecarcoidea</i>	2	"
Genus <i>Gecarcinus</i>	1	"
Family OCYPODIDAE		
Genus <i>Ocypode</i>	4	"
Genus <i>Macrophthalmus</i>	5	"
Genus <i>Uca</i>	18	"
Genus <i>Tympanomerus</i>	1	"
Family PINNOTHERIDAE		
Genus <i>Pinnotheres</i>	13	"
Genus <i>Xenophthalmus</i>	2	"
Genus <i>Xanthusia</i>	1	"
Family MYCTIRIDAE		
Genus <i>Myctiris</i>	3	"
Family PALICIDAE		
Genus <i>Palicus</i>	1	"
Section OXYRHYNCHA		
Family INACHIDAE		
Genus <i>Achaeus</i>	1	"
Genus <i>Camposcia</i>	1	"
Genus <i>Echinoplax</i>	1	"

Genus <i>Platymaia</i>	1	species
Genus <i>Achaeopsis</i>	1	"
Genus <i>Menaethius</i>	1	"
Genus <i>Huenia</i>	1	"
Genus <i>Sphenocarcinus</i>	3	"
Genus <i>Oncinopus</i>	2	"
Genus <i>Inachus</i>	1	"
Genus <i>Anamathia</i>	1	"
Genus <i>Cyrtomaia</i>	2	"
Genus <i>Oxypleurodon</i>	1	"
Genus <i>Peltinia</i>	1	"
Genus <i>Pugettia</i>	2	"
Genus <i>Doclea</i>	1	"
Family MAIIDAE		
Genus <i>Hyastenus</i>	12	"
Genus <i>Naxioides</i>	1	"
Genus <i>Pisa</i>	1	"
Genus <i>Naxia</i>	1	"
Genus <i>Maja</i>	3	"
Genus <i>Schizophrys</i>	1	"
Genus <i>Chorilia</i>	1	"
Genus <i>Phalangipus</i>	2	"
Genus <i>Egeria</i>	1	"
Genus <i>Micippa</i>	3	"
Genus <i>Leptomithrax</i>	1	"
Genus <i>Paramithrax</i>	1	"
Family PERICERIDAE		
Genus <i>Pericera</i>	3	"
Genus <i>Mithrax</i>	1	"
Genus <i>Tiarinia</i>	1	"
Family PARTHENOPIDAE		
Genus <i>Parthenope</i>	3	"
Genus <i>Daldorfia</i>	1	"
Genus <i>Cryptopodia</i>	1	"
Genus <i>Lambrus</i>	8	"
Family EUMEDOMIDAE		
Genus <i>Ceratocarcinus</i>	1	"
Genus <i>Zebrida</i>	1	"
Genus <i>Harrovia</i>	1	"

ORDER DECAPODA
 SUBORDER MACRURA
 DIVISION PHYLLOBRANCHIATA
 Group NORMALIA
 Section CRANGONIDEA
 Family CRANGRONIDAE
 Genus *Pontophilus* Leach

Pontophilus gracilis Spence Bate

1876. *Pontophilus gracilis* Spence Bate, Rept. Voy. Challenger, Zool.
 24, 489, pl. 87.

Near the Philippines; 2,150 fathoms; blue mud bottom
 (Challenger).

Pontophilus junceus Spence Bate

1876. *Pontophilus junceus* Spence Bate, Rept. Voy. Challenger, Zool.
 24, 491, pl. 88 figs. 2-4; Balss, Macrura, Deutsch. Tiefsee
 Exped. 2(1925) 296.

Between the Philippines and Borneo, 250 fathoms; green
 mud bottom (Challenger).

Pontophilus japonicus Doflein

1917. *Pontophilus japonicus* de Man, Decapoda, Siboga Exped. pt.
 LV 87, 286, pls. 23, 24, figs. 69-69j.

Sulu Sea, 150 to 285 fathoms, coral and stony bottom (Si-
 boga).

Pontophilus challengerii Ortmann

1917. *Pontophilus challengerii* de Man, Decapoda, Siboga Exped.
 pt. IV 87, 252.

Near the Philippines, 2,150 fathoms (Siboga).

Section POLYCARPIDEA
 Family PROCESSIDAE Ortmann
 Genus *Processa*

Processa australiensis Baker

1907. *Processa australiensis* Baker, Notes on South Australia,
 Decapoda, Crust. pt. V, Trans. Royal Soc. South Austral.
 31, 185, pl. 25, figs. 2-2c; de Man, Decapod. Siboga Exped.
 pt. IV 87 (1917) 199-203.

Sulu Archipelago, from a reef (Siboga).

Processa sp.

1917. *Processa* sp. de Man, Decapod. Siboga Exped. pt. IV 87, 203.
Sulu, Sulu Harbor, 7 to 8 fathoms, sand bottom (Siboga).

Family ALPHEIDAE

Genus *Alpheus* Fabricius*Alpheus spiniger* Stimpson

1860. *Alpheus spiniger* Stimpson, Proc. Acad. Nat. Sci. Phila. 110.
1876. *Alpheus spiniger*, Rept. Voy. Challenger, Zool. 24, 560, pl. 100.
Off Manila, 18 fathoms, blue mud bottom (Challenger).

Alpheus crinitus Dana

1852. *Alpheus crinitus* Dana, U.S. Explor. Exped. Crust. 548, pl. 34 fig. 8a-f; Spence Bate, Rept. Voy. Challenger, Zool. 23 (1873-76) 548. pl. 98, fig. 2; de Man, Decapod. Siboga Exped. pt. II 60 (1917) 357.

Off Zamboanga, on a reef, 18 fathoms; Balabac Passage (Dana).

Alpheus biunguiculatus Stimpson

1860. *Alpheus biunguiculatus* Stimpson, Proc. Acad. Nat. Sci. Phila. 100; Spence Bate, Rept. Voy. Challenger, Zool. 24 (1873-1876) 562, pl. 101, fig. 4.
Off Manila, 18 fathoms, blue mud bottom (Challenger).

Alpheus edwardsii var. *leviusculus* Dana

1852. *Alpheus edwardsii* var. *leviusculus* Dana, U.S. Explor. Exped. Crust. 543, pl. 34, fig. 3; Spence Bate, Rept. Voy. Challenger, Zool. 24 (1873-76) 549, pl. 98, fig. 1.
Off Panay, 20 fathoms, blue mud bottom (Challenger).

Alpheus acuto femoratus Dana

1876. *Alpheus acuto-femoratus* Spence Bate, Rept. Voy. Challenger, Zool. 24, 540.
Balabac Passage, 1 fathom (Challenger).

Alpheus parvirostris Dana

1852. *Alpheus parvirostris* Dana, U.S. Explor. Exped. Crust. 551, pl. 35, fig. 3; Spence Bate, Rept. Voy. Challenger, Zool. 24 (1873-76) 541; de Man, Decapoda Siboga Exped. pt. II 60 (1911) 432.
1875. *Alpheus lineifer* Miers, Ann. Mag. Nat. Hist. (4) 16, 343

Sulu Archipelago, Tawitawi Island, Pulu Sanguisiapo from a reef (Siboga).

Alpheus collumianus Stimpson

1860. *Alpheus collumianus* Stimpson, Proc. Acad. Nat. Sci. Phila. 30; de Man, Decapoda, Siboga Exped. pt. II 60 (1911) 334.

Sulu Archipelago, Tawitawi Island, Pulu Sanguisiapo, 12 m, sand and coral bottom (Siboga).

Alpheus malleodigitus (Spence Bate)

1876. *Betaeus malleodigitus* Spence Bate, Rept. Voy. Challenger, Zool. 24, 565, pl. 101, fig. 5.

1911. *Alpheus malleodigitus* de Man, Decapoda, Siboga Exped. pt. 11 600, 347.

Southeast side of Pearl Bank, Sulu Archipelago; 15 m, lithothamnion bottom (Siboga).

Alpheus malleodigitus var. *gracilicarpus* de Man

1911. *Alpheus malleodigitus* var. *gracilicarpus* de Man, Decapod. Siboga Exped. pt. 11 60, 349.

Sulu Archipelago, Tawitawi Island, Pulu Sanguisiapo, 12 m, lithothamnion bottom (Siboga).

Alpheus consobrinus de Man

1908. *Alpheus consobrinus* de Man, Notes Leyden Mus. 30 101; de Man, Decapod. Siboga Exped. pt. 11 60 (1911) 560.

Southeast side of Pearl Bank, Sulu Archipelago (Siboga).

Alpheus frontalis H. M. Edwards

1837. *Alpheus frontalis* H. M. Edwards, Hist. Nat. Crust. 2 356; de Man, Decapod. Siboga Exped. pt. 11 60 (1911) 369.

1874. *Alpheus latifrons* A. M. Edwards, Journ. des Mus. Godefroy 11; de Man, Archiv. f. Naturg. 13 Jahrg. (1888) 521 pl. 32.

Sulu Archipelago, Tawitawi Island, Pulu Sanguisiapo, from a reef. (Siboga).

Alpheus coutieri de Man.

1911. *Alpheus coutiere* de Man, Siboga Exped. II 60, 409.

Southeast side of Pearl Bank, Sulu Archipelago; 15 m. lithothamnion bottom (Siboga).

Alpheus pareuchirus Coutiere

1905. *Alpheus pareuchirus* Coutiere, Alpheidae, Maldive and Laccadive Archipelago 906, pl. 84, fig. 43; de Man, Decapod. Siboga Exped. pt. 11 60 (1911) 418.

Off Pulu Tongkil, Sulu Archipelago, 13 m, lithothamnion bottom (Siboga).

Alpheus strenuus Dana

1852. *Alpheus strenuus* Dana, U.S. Explor. Exped. Crust. 543, pl. 34, fig. 4; de Man, Decapod, Siboga Exped. pt. 11 60 (1911) 425.

1900. *Alpheus labidens* Lanchester, Proc. Zool. Soc. London 563. Sulu Archipelago, Tawitawi Island, Pulu Sanguisapo, from a reef (Siboga).

Genus *Synalpheus* Bate, 1888*Synalpheus fossor* var. *propinqua* de Man

1911. *Synalpheus fossor* var. *propinqua* de Man, Decapoda Siboga Exped. pt. 11 60 250.

Sulu Archipelago, southeast side of Pearl Bank, 15 m, lithothamnion bottom (Siboga).

Synalpheus carinatus var. *ubianensis* de Man

1911. *Synalpheus carinatus* var. *ubianensis* de Man, Decapod, Siboga Exped. pt. 11 60 212.

Sulu Archipelago, off north Ubian, 16 m, lithothamnion bottom Siboga.

Synalpheus pescadorensis Coutiere

1905. *Synalpheus pescadorensis* Coutiere, Alpheidae, Maldive and Laccadive Archipelago 877, pl. 73, fig. 15; de Man, Decapoda, Siboga Exped. pt. 11 60 (1911).

Southeast side of Pearl Bank, Sulu Archipelago, 15 m, lithothamnion bottom (Siboga).

Genus *Ogyris* Stimpson*Ogyris sibogae* de Man

1910. *Ogyris sibogae* de Man, Tijdschr. de Ned. Vereen (2) 11 318; Decapod. Siboga Exped. pt. 11 60 (1911) 3.

Sulu Sea; 500 m, fine yellow sand bottom (Siboga).

Genus *Parathanas* Spence Bate*Parathanas immaturus* Spence Bate

1876. *Parathanas immaturus* Spence Bate, Rept. Voy. Challenger, Zool. 24 532.

Cebu Harbor from plankton (Challenger).

Parathanas decorticus Spence Bate

1876. *Parathanas decorticus* Spence Bate, Rept. Voy. Challenger, Zool. 24 530 pl. 89, fig. 3.

Off Sibago, Zamboanga, 80 fathoms (Challenger).

Family HIPPOLYTIDAE

Genus *Latreutes* Stimpson

Latreutes planus Spence Bate

1876. *Latreutes planus* Spence Bate, Rept. Voy. Challenger, Zool. 24 584, pl. 89, fig. 5.

Off Sibago, Zamboanga Province.

Latreutes unidentatus Spence Bate

1876. *Latreutes unidentatus* Spence Bate, Rept. Voy. Challenger, Zool. 24 586, pl. 89, fig. 6.

Off Sibago, Zamboanga Province.

Family PANDALIDAE Spence Bate

Genus *Heterocarpus*, A. M. Edwards

Heterocarpus gibbosus Spence Bate

1876. *Heterocarpus gibbosus* Spence Bate, Rept. Voy. Challenger, Zool. 24 634, pl. 112, fig. 2, de Man, Decapoda, Siboga Exped. pt. 11 87 (1920) 163, pl. 14, fig. 39; Balss, Macrura, Deutsch Tiefsee Exped. 2 (1925) 287.

Off Tablas, 700 fathoms, blue mud bottom (Challenger).

Heterocarpus alphonsi Spence Bate

1876. *Heterocarpus alphonsi* Spence Bate, Rept. Voy. Challenger, Zool. 24 632, pl. 112, fig. 1.

South of the Philippines, 500 fathoms, blue mud bottom.

Heterocarpus ensifer A. M. Edwards

1861. *Heterocarpus ensifer* A. M. Edwards, Ann. Sci. Nat. VI Art. 411 8; Spence Bate, Rept. Voy. Challenger, Zool. 24 (1873-76) 638, pl. 112, fig. 4.

1882. *Pandalus carrinatus* Sidney Smith, Bull. Mus. Comp. Zool.
10 63, pl. 10, figs. 2-2f, pl. 11, figs. 1-3.

Between the Philippines and Borneo, 250 fathoms, green mud bottom (Challenger).

Heterocarpus ensifer var. *parvispina* de Man

1920. *Heterocarpus ensifer* var. *parvispina* de Man, Decapoda,
Siboga Exped. 87 167.

North of Sulu, 150 fathoms.

Genus *Dorodotes*, Spence Bate

Dorodotes reflexus Spence Bate

1876. *Dorotes reflexus* Spence Bate, Rept. Voy. Challenger, Zool.
24 678, pl. 116, fig. 3; Alcock, Descript. Cat. Indian Deep
Sea Crust. Calcutta (1901) 109; de Man, Decapoda,
Siboga Exped. 87, (1920) 152.

Off Luzon, 1,050 fathoms, blue mud bottom (Challenger).

Genus *Plesionika* Spence Bate

Plesionika brevirostris Spence Bate

1876. *Plesionika brevirostris* Spence Bate, Rept. Voy. Challenger
Zool. 24 650, pl. 113, fig. 5.

Between the Philippines and Borneo, 250 fathoms, green mud bottom.

Plesionika semilaevis Spence Bate

1876. *Plesionika semilaevis* Spence Bate, Rept. Voy. Challenger, Zool.
24 644, pl. 113, fig. 3.
1920. *Plesionika martia* var. *semilaevis* de Man, Decapoda, Si-
boga Exped. 87 116, pl. 10, figs. 24-24b.
1925. *Plesionika martia* Balss, Macrura, Deutsch. Tiefsee Exped.
2, 278.

Between the Philippines and Borneo, 250 fathoms, green mud bottom.

The Siboga specimen was collected from Sulu Sea, 450 fathoms, dead coral bottom (Challenger).

Plesionika sindoi (Rathbun)

1906. *Pandalus sindoe* Rathbun, U.S. Fish Comm. Bull. for 1903
915, pl. 21, fig. 4.
1920. *Plesionika sindoe* de Man, Decapoda, Siboga Exped. pt. IV
87 126, pls. 11, 12, figs. 27-27c.

Sulu Sea, 150 fathoms, stony bottom (Siboga).

Genus *Nothocaris* Spence Bate*Nothocaris ocellus* Spence Bate

1876. *Nothocaris ocellus* Spence Bate, Rept. Voy. Challenger, Zool. 24 657, pl. 114, fig. 3.

Near Zamboanga, 82 fathoms, stone and gravel bottom.

Section MONOCARPIDEA

Family THALASSOCARIDAE

Genus *Kyptocaris* Spence Bate*Kyptocaris stylofrontalis* Spence Bate

1876. *Kyptocaris stylofrontalis* Spence Bate, Rept. Voy. Challenger Zool. 24 690 pl. 121, fig. 1.

Off Sibago, Zamboanga from the surface.

Genus *Thalassocaris* Stimpson*Thalassocaris crinita* (Dana)

1852. *Regulus crinitus* Dana, U.S. Explor. Exped. Crust. 599, pl. 39, fig. 6a-h.
 1914. *Thalassocaris crinitus* Balss, Ostasiatische Decapoden 11, Munchen 28.
 1920. *Thalassocaris crinita* de Man, Decapoda Siboga Exped. 87 95, pl. 9, figs. 22-220.

Sulu Archipelago, Tawitawi Island, Pulu Sanguisiapo, sand and coral bottom (Siboga).

Family ATYIDAE

Genus *Atya* Leach*Atya moluccensis* De Haan

1849. *Atya moluccensis* de Haan, Fauna Japon. Crust. 184, pl. 21.
 1864. *Atya armata* Milne Edwards, Ann. Soc. Ent. de France 149 pl. 3.
 1890. *Atya gustavi* Ortmann, Zool. Jahrb. Syst. 5 467, pl. 36 fig. 3 a-c.

Luzon, Bataan, Mariveles, 0-1372. Mindoro, Malayas River 0270.

Atya serrata Spence Bate

1860. *Atyoida tahitensis* Stimpson, Proc. Acad. Nat. Sci. Phila. 97.

1876. *Atya serrata* Spence Bate, Rept. Voy. Challenger, Zool. 24 669, pl. 119, fig. 2; Ortmann, Proc. Acad. Nat. Sci. Phila. 1895 410; Blanco, Phil. Journ. Sci. 56 (1935) 31, pl. 1, figs. 1-4.
1892. *Atya brevirostris* de Man, Zool. Ergeb. 360, pl. 21, fig. 21. Mindoro, Malayas River, 0271, Luzon, Ilocos Norte, Laoag River.

Genus *Caridina* Milne Edwards*Caridina gracillina* Lanchester

1901. *Caridina gracillina* Lanchester, Proc. Zool. Soc. London 560 pl. 34, fig. 1; Blanco, Phil. Journ. Sci. 56 (1935) 32, pl. 1 figs. 5-10.

Luzon, Ilocos Norte, Laoag, Caoacan River.

Caridina gracilirostris de Man

1892. *Caridina gracilirostris* de Man, Zool. Ergeb. 399, pl. 25, fig. 31, Nobili, Ann. Mus. Civ. St. Nat. Genova 11 20 (1900) 477; Blanco, Phil. Journ. Sci. 56 (1935) 32, pl. 2, figs. 11-17.

Luzon, Laguna Bay. Specimen in the Bureau of Science.

Caridina nilotica var. *brachydactyla* de Man

1908. *Caridina nilotica* var. *brachydactyla* de Man, Rec. Ind. Mus. 2 269, pl. 20, fig. 8; Blanco, Phil. Journ. Sci. 56 (1935) 33, pl. 2, fig. 18.

1918. *Caridina brachydactyla* subsp. *peninsularis* Kemp, Mem. Asia. Soc. Bengal 6 270, fig. 10.

Luzon, Ilocos Norte, Laoag, Caoacan River. Specimen in the Bureau of Science.

Caridina modigliani Nobili

1900. *Caridina modigliani* Nobili, Ann. Mus. Civ. Stor. Nat. Genova 20 477; Bouvier, Bull. Scien. de Fr. et Belg. 39 (1905) 72; Blanco, Phil. Journ. Sci. 56 (1935) er pl. 2, figs. 1924.

Luzon, Batangas Prov., Pancipit River. Specimen in the Bureau of Science.

Caridina brevicarpalis var. *endehensis* de Man

1892. *Caridina brevicarpalis* var. *endehensis* de Man, Zool. Niederlandisch Ost. Indien 399, pl. 24, fig. 30c; Blanco, Phil. Journ. Sci. 56 (1935) 34, pl. 2, fig. 25.

Luzon, Batangas Prov., Pancipit River. Specimen in the Bureau of Science.

Caridina laevis Heller

1862. *Caridina laevis* Heller, Verh. Zool. Bot. Ges. Wien 12 411; de Man, Zool. Ergeb. (1892) 376, pl. 22, fig. 27; Bouvier, Trans. Linn. Soc. London 11 15 (1913) 464; Blanco, Phil. Journ. Sci. 56 (1935) 34, pl. 2, figs. 26-32.

Luzon, Albay Prov., Pulangue Lake. Specimen in the Bureau of Science.

Genus *Ortmannia* Rathbun

Ortmannia sp.

1935. *Ortmannia* sp. Blanco, Phil. Journ. Sci. 56 36, pl. 3, figs. 33-40.

Luzon, Ilocos Norte, Caoacan River. Specimen in the Bureau of Science.

Family CARICYPHIDAE

Genus *Caricyphus* Spence Bate

Caricyphus turgidus Spence Bate

1876. *Caricyphus turgidus* Spence Bate, Rept. Voy. Challenger, Zool. 24 717, pl. 121, fig. 5.

China Sea, off Luzon, on the surface.

Caricyphus cornutus Spence Bate

1876. *Caricyphus cornutus* Spence Bate, Rept. Voy. Challenger, Zool. 24 712, pl. 121, fig. 2.

Philippines, near Zamboanga Prov. on the surface.

Aneobocaris quadroculus Spence Bate

1876. *Aneobocaris quadroculus* Spence Bate, Rept. Voy. Challenger, Zool. 24 722, pl. 123, fig. 1.

Cebu, Cebu Harbor; Basilan Strait.

Family ACANTHEPHYRIDAE Spence Bate

(— HOPLORIDAE de Man)

Genus *Acanthephyra* A. M. Edwards

Acanthephyra longidens Spence Bate

1876. *Acanthephyra longidens* Spence Bate, Rept. Voy. Challenger, Zool. 24 375, pl. 124, fig. 4.

Near the Philippines, 2,150 fathoms, blue mud bottom (Challenger).

This species is regarded as identical with *A. microphthalmia* S. I. Smith, 1885.

AcanthePHYra media Spence Bate

1876. *AcanthePHYra media* Spence Bate, Rept. Voy. Challenger, Zool. 24 736, pl. 124, fig. 5; de Man, Decapoda Siboga Exped. 87 (1920) 45.

Off Tablas, 700 fathoms, blue mud bottom Challenger.

AcanthePHYra acutifrons Spence Bate

1876. *AcanthePHYra acutifrons* Spence Bate, Rept. Voy. Challenger, Zool. 24 749, pl. 126, fig. 3; Balss, Macrura, Deutsche Tiefsee Exped. 2 (1925) 261.

South of the Philippines, 500 fathoms, blue mud bottom Challenger. Siboga 87 (1920) 45

AcanthePHYra brachytelsonis Spence Bate

1876. *AcanthePHYra brachytelsonis* Spence Bate, Rept. Voy. Challenger, Zool. 24 753, pl. 126, fig. 7; Wood-Mason and A. Alcock, Ann. Mag. Nat. Hist. VI 9 (1892) 362.

1920. *AcanthePHYra eximia* var. *brachytelsonis* de Man, Decapoda, Siboga Exped. 87 55.

South of the Philippines, 500 fathoms, blue mud bottom Challenger.

AcanthePHYra rostrata Spence Bate

1920. *AcanthePHYra rostrata* de Man, Decapoda, Siboga Exped. 87, 45.

Philippines, 1,050 fathoms (Siboga).

Genus *Oplophorus* M. Edwards

(*Hoplophorus* H. M. Edwards)

Oplophorus brevirostris Spence Bate

1876. *Oplophorus brevirostris* Spence Bate, Rept. Voy. Challenger, Zool. 24, 766, pl. 127, fig. 3.

1925. *Hoplophorus typus* Balss, Macrura, Deutsche Tiefsee Exped. 2, 248.

Off Tablas, 700 fathoms, blue mud bottom (Challenger).

Family PALAEMONIDAE Spence Bate

Subfamily PALAEMONINAE

Genus *Palaemon* Fabricius 1798*Palaemon* (*Nematopalaemon*) *tenuipes* (Henderson)

1939. *Palaemon luzonensis* Blanco, Phil. Journ. Sci. Vol. 67, p. 201, pl. 1.

1952. *Palaemon* (*Nematopalaemon*) *tenuipes* Holthuis, Decapoda Siboga and Snellius Exped. p. 44.

Mouth of Cagayan River, Northern Luzon (Blanco).

Palaemon (*Palaender*) *semmelinkii* (de Man)

1881. *Leander semmelinkii* de Man, Notes Leyden Mus. Vol. 3 p. 137.

1890. *Leander semmelinkii* Ortmann, Zool. Jahrb. Syst. Vol. 5 p. 517.

1950. *Palaemon* (*Palaender*) *semmelinkii* Holthuis, the Palaemonidae, Decapoda Siboga-Snellius Exped. pt. X, 57-60.

Luzon (Ortmann) 1890.

Palaemon (*Palaemon*) *concinus* Dana

1852. *Palaemon concinns* Dana, Proc. Acad. Nat. Sci. Phila. Vol. 6, pl. 26.

1939. *Palaemon lagdaveensis* Blanco, Phil. Jour. Sci. Vol. 69 p. 167, pl. 1.

1950. *Palaemon* (*Palaemon*) *concinus* Holthuis, the Palaemonidae, Decapoda Siboga-Snellius Exped. pt. X pp. 61-65.

Cagayan River, Northern Luzon (Blanco) 1939.

Holthuis limits the genus *Palaemon* to include only the group in which *Palaemon squilla* is the type of the genus. For the group with the type *P. carcinus* supposedly done incorrectly by many carcinologist — he proposed the generic name *Macrobrachium*, (Introduction, pp. 3-4).

Balss (1927) divided the family PALAEMONIDAE into 4 subfamilies, namely: Typhlocaridinae, Desmocaridinae, Palaemoninae and Pontoninae. Holthuis fused Desmocaridinae with Palaemoninae and created the subfamily Eurhynchinae to accommodate the genus *Eurhynchus*. Holthuis, therefore, recognizes the following subfamilies:

Typhlocaridinae, Palaemoninae and Pontoninae,
Eurhynchinae nov. subfam.

Genus *Macrobrachium* Bate 1868

1758. *Cancer* p.p. Linnaeus, Syst. Nat. ed. 10, Vol. 1 p. 625.
 1775. *Astacus* p.p. Fabricius, Syst. Ent. p. 413.
 1868. *Palaemon* p.p. Bate, Rept. Voy. Challenger, Zool. Vol. 24 p. 788.
 1891. *Eupalaemon* Ortmann, Zool. Jb. Syst. Vol. 5, p. 696.
 1891. *Parapalaemon* Ortmann, Zool. Jb. Syst. Vol. 5 p. 696.
 1908. *Macroterocheris*, Ann. S. Afr. Mus. Vol. 6 p. 39.

Macrobrachium rosenbergii (de Man)

1705. *Locusta marina* Rumphius, Amboin. Rariteitkam, ed. 1, p. 3, pl. 1, fig. B.
 1741. *Locusta marina* Rumphius, Amboin Rariteitkam, ed. 3, p. 3, pl. 1, fig. B.
 1792. *Cancer (Astacus) carcinus* Herbst, Vers. Naturgesch. Krebse Vol. 2, p. 58, p. 28, fig. 1.
 1798. *Palaemon carcinus* Fabricius, Suppl. Ent. Syst. p. 402.
 1892. *Palaemon (Eupalaemon) carcinus* de Man, Weber's Zool. Ergebn. Vol. 2, p. 421.
 1933. *Palaemon (Eupalaemon) carcinus rosenbergii* J. Roux, Rev. Suisse Zool. Vol. 40, p. 344.
 1937. *Palaemon carcinus* Estampador, Phil. Journ. Sci. Vol. 62, p. 468.
 1938. *Palaemon carcinus* Menon. Proc. Indian Acad. Sci. Vol. 8B, p. 200, figs. 21-23.
 1943. *Palaemon carcinus* Chopra, Indian Sci. Congr. Vol. 30, pt. 2 Sect. 6, pl. 4.
 1950. *Macrobrachium rosenbergii* Holthuis, 1950, Decapoda, Siboga Exped. pt. X, pp. 142-146.

This species is named "udang satang" in Java; "udang galah" in Borneo. The word udan means prawn, and satang or galah means a long pole. This refers to the very long cheliped of the male. In the Philippines, this prawn is known as *udang* among the Ilocanos and *urang* or *ulang* among the Visayans.

Macrobrachium idae (Heller)

1862. *Palaemon idae* Heller, S.B. Akad. Wiss. Wien, Vol. 45, pt. 1, p. 416, pl. 2, figs. 40, 41.
 1892. *Palaemon (Eupalaemon) idae* de Man, Weber's Zool. Ergebn. Vol. 2, 437, footnote.
 1897. *Palaemon (Eupalaemon) ritsemas* de Man, Zool. Jb. Syst. Vol. 9, p. 774.
 1899. *Palaemon (Eupalaemon) idae subinermis* Nobili, Ann. Mus. Stor. Nat., Genova, Vol. 40, p. 237.

1900. *Palaemon (Eupalaemon) mariae* Coutiere, C. R. Acad. Sci. Paris, Vol. 130, p. 1266.
1901. *Palaemon idae inermis* Coutiere, Ann. Sci. Nat. Zool. Ser. 8, Vol. 12, pp. 304-306.
1902. *Palaemon (Eupalaemon) rubustus* de Man, Abh. Senckenb. naturf. Ges. Vol. 25, p. 771.
1934. *Palaemon (Eupalaemon) cognatus*, J. Roux, Rev. Suisse Zool. Vol. 41, p. 253, figs. 6-8.
1937. *Palaemon idae* Estampador, Phil. Journ. Sci. Vol. 62 p. 489.
1947. *Palaemon idae* Nataraj, Rec. Indian Mus. Vol. 45, p. 89, figs. 1-2.
1950. *Macrobrachium idae* Holthuis, Decapoda, Siboga Exped. pl. X pp. 142-146.

Philippine distribution: Laguna de Bay, Albay, Camarines Sur.

Macrobrachium mammilodactylus (Thallwitz)

1892. *Palaemon idae mammilodactylus* Thallwitz, Abh. Zool. anthrop. Mus. Dresden, 1890-91 pt. 3, p. 15.
1900. *Palaemon (Eupalaemon) wolstorstorffi* Nobili, Bell, Mus. Zool. Anat. Comp. Torino, Vol. 15, n. 379, p. 1.
1914. *Palaemon philippinensis* Cowles, Phil. Journ. Sci. Vol. 9, sec. D p. 340, pl. 2, fig. 2.
1921. *Palaemon (Eupalaemon) sundaicus* pp. J. Roux, Nova Guinea, Vol. 13, p. 590.
1937. *Palaemon philippinensis* Estampador, Phil. Journ. Sci. Vol. 62, p. 488.
1939. *Palaemon talaverae* Blanco, Phil. Journ. Sci. Vol. 69, p. 168, pl. 2.
1950. *Macrobrachium mammilodactylus* Holthuis, Decapoda Siboga Exped. pl. X, pp. 148-150.

Philippine distribution: San Juan River, near Manila, Sampaloc Lake, San Pablo, Laguna.

Macrobrachium lanceifrons var. *lanceifrons* Dana

1852. *Palaemon lanceifrons* Dana, Proc. Acad. Nat. Sci. Phila. Vol. 6, p. 26.
1892. *Palaemon lanceifrons* Koelbel, lin. de Man, Weber's Zool. Ergebn. Vol. 2, pl. 437, footnote.
1914. *Palaemon lanceifrons* Cowles, Phil. Journ. Sci. Vol. 9, sect. D p. 364, pl. 2, figs. 3, 5.
1914. *Palaemon lanceifrons* var. *montalbanensis* Cowles, Phil. Journ. Sci. Vol. 9, sect. D, p. 371, pl. 2, fig. 6.
1937. *Palaemon lanceifrons montalbanensis* Estampador, Phil. Journ. Sci. Vol. 62, p. 488.

1950. *Macrobrachium lanceifrons* var. *lanceifrons* Holthuis, Decapoda, Siboga Exped. pt. X, pp. 154-155.

Philippine distribution: Manila (Dana) 1852, Heller, 1865; Estampador (1937) San Juan River near Manila (Cowles) 1914.

Macrobrachium equidens (Dana)

1852. *Palaemon equidens* Dana, Proc. Acad. Nat. Sci. Phila. Vol. 6, p. 26.
 1854. *Palaemon equidens* Weitenweber, Lotos Praha, Vol. 4, p. 62.
 1897. *Palaemon* (*Eupalaemon*) *sundaicus* de Man, Zool. Jb. Syst. Vol. 9, p. 779.
 1897. *Palaemon sunaicus bataviana* de Man, Zool. Jb. Syst. Vol. 9, p. 784.
 1899. *Palaemon* (*Eupalaemon*) *acanthosoma* Nobili, Ann. Mus. Stor. Nat. Genova, Vol. 40, p. 242.
 1902. *Palaemon sunaicus baramensis* de Man, Abh. Senckenb naturf. Ges. Vol. 25, p. 769.
 1923. *Macrobrachium sunaicus* Maki and Tsughiya, Rept. Dept. Agric. Formosa, Vol. 3, p. 37, pl. 2, fig. 2.
 1935. *Palaemon delagoae* Rathbun, Bull. Mus. Comp. Zool. Harvard, Vol. 79, p. 28, figs. 1, 2.
 1937. *Palaemon sunaicus* Estampador, Phil. Journ. Sci. Vol. 62, p. 489.
 1937. *Palaemon sulcatus* Panikkar, Journ. Bombay Nat. Hist. Soc. Vol. 39, p. 346.
 1937. *Macrobrachium sunaicus* Suvatti, Check List ag. Fauna Siam, p. 49.
 1947. *Palaemon sunaica* Barnard, Ann. Mag. Nat. Hist. ser. 11, Vol. 13, p. 390.
 1950. *Macrobrachium equidens* Holthuis, Palaemonidae, Decapoda Siboga-Snellius Exped. pt. X, pp. 162-171.

Philippine distribution: Obando River near Manila (Cowles, 1915), Laguna de Bay (Estampador, 1937).

Macrobrachium lar (Fabricius)

1795. *Palaemon lar* Weber, Nomencl. Entom. p. 94 (Nom. nud.)
 1811. *Palaemon ornatus* Oliver, Enc. Meth. Hist. Nat. Vol. 18, p. 660.
 1798. *Palaemon lar* Fabricius, Suppl. Ent. Syst. p. 402.
 1847. *Palaemon longimanus* White, List. Crust. Brit. Mus. p. 78.
 1862. *Palaemon vagus* Heller, S. B. Akad. Wiss Wien, Vol. 45, pl. 1, p. 418, pl. 2, fig. 44.
 1865. *Palaemon spectabilis* Heller, Reise Novara, Zool. Vol. 2, pt. 3, pl. 113, pl. 10, fig. 8.
 1905. *Palaemon* (*Eupalaemon*) *reuniocensis* de Man, Proc. Zool. Soc. Lond. 1905, pt. 2, p. 544, pl. 18.

1910. *Bithynis (Eupalaemon) lar* Rathbun, Bull. Mus. Comp. Harvard, Vol. 52, p. 316.
1914. *Palaemon lar* Cowles, Phil. Journ. Sci. Vol. 9, sec. D, p. 380, pl. 2, fig. 7.
1917. *Palaemon (Macrobrachium) latimanus* J. Roux, Nova Guinea Vol. 5, p. 601.
1923. *Macrobrachium lar* Maki and Tsuchiya, Dept. Agri. Formosa, Vol. 3, p. 56, pl. 5, fig. 1.
1925. *Leander dionyx* Kemp, Rec. Indian Mus. Vol. 27, p. 294.
1935. *Macrobrachium lar* Ohshima, Botany Zool. Tokyo, Vol. 3, pt. 3, p. 974.
1937. *Palaemon lar* Estampador, Phil. Journ. Sci. Vol. 62, p. 488.
1941. *Macrobrachium lar* Armstrong, Amer. Mus. Novit. n 1137, p. 12.
1947. *Palaemon lar* Gibson Hill, Bull. Raffles Mus. Vol. 18, p. 44.
1949. *Macrobrachium lar* Holthuis, Nova Guinea, n. ser. Vol. 5, p. 291, 1950, Palaemonidae—Siboga-Snellius Exped. pt. X p. 176-190, fig. 37.

Philippine distribution: Manila, San Juan River near Manila; Mariveles, Bataan; Puerto Galera, Mindoro; Pasananca & Zamboanga, Mind.

Macrobrachium latimanus (von Martens)

1868. *Palaemon latimanus* von Martens, Arch. Naturgesch. Vol. 34, pt. 1, p. 44.
1892. *Palaemon (Macrobrachium) latimanus* de Man, Weber's Zool. Ergebn. Vol. 2, p. 477, pl. 28, fig. 45.
1900. *Palaemon (Macrobrachium) signalangensis* Nobili, Ann. Mus. Stor. Nat. Genova, Vol. 40, p. 487.
1935. *Palaemon latimanus* Adamson, Occ. Pap. Bishop Mus. Honolulu, Vol. 11, pt. 10, p. 17.
1937. *Palaemon latimanus* Estampador, Phil. Journ. Sci. Vol. 62, p. 489.
1940. *Palaemon latimanus* Kubo, Journ. Imp. Fish Inst. Tokyo, Vol. 34, p. 24, textf. 15, pl. 1, fig. a.
1950. *Macrobrachium latimanus* Holthuis, the Palaemonidae, Decapoda, Siboga and Snellius Exped. pt. X, pp. 205-209, textf. 43.

Philippine distribution: Central Samar (von Martens).

Macrobrachium latidactylus (Tallwitz)

1868. *Palaemon grandimanus* von Martens Arch. Naturgesch. Vol. 34, pt. 1, p. 45.
1891. *Palaemon latidactylus* Tallwitz, Zool. Anz. Vol. 14, p. 97.
1892. *Palaemon (Eupalaemon) endeheensis* de Man, Weber's Zool. Ergebn. Vol. 2, p. 464, pl. 27, fig. 42.

1892. *Palaemon (Macrobrachium) lamprepus* de Man, Weber's Zool. Ergebn. Vol. 2, p. 493, pl. 29, fig. 49.
1892. *Palaemon (Macrobrachium) latidactylus* de Man, Weber's Zool. Ergebn. Vol. 2, p. 501, pl. 29, fig. 52.
1914. *Palaemon latidactylus* Cowles, Phil. Journ. Sci. Vol. 62, p. 392, pl. 3, fig. 10.
1930. *Palaemon (Parapalaemon) scabriculus* J. Roux, Rev. Suisse Zool. Vol. 17, p. 361.
1937. *Palaemon latidactylus* Estampador, Phil. Journ. Sci. Vol. 62, p. 488.
1937. *Palaemon grandimanus* Estampador, Phil. Journ. Sci. Vol. 62, pl. 489.
1937. *Macrobrachium lamprepus* Suvatti, Check List. ag. Fauna Siam, p. 49.
1950. *Macrobrachium latidactylus* Holthuis, The Palaemonidae Decapod. Siboga Exped. pt. X, pp. 239-244, textf. 50.

Philippine distribution: Mariveles, Bataan (Estampador) Camarines Sur, Luzon (von Martens) 1868, Samar, (Cowles) 1914, Gandara, Samar. (Estampador) 1937, Borongan, Samar, (von Martens) 1868, Jaro, Leyte (Cowles) 1914, Agusan River, Mindanao.

Macrobrachium hirtimanus (Oliver)

1811. *Palaemon hirtimanus* Oliver, Enc. Metho. Hist. Nat. Vol. 8, p. 663.
1838. *Palaemon hirtimanus* H. Milne Edwards, Lamarck's Hist. Nat. Anim. S. Vert. ed. 2, Vol. 5, p. 367.
1880. *Palaemon lepidactylus* Miers, Ann. Mag. Nat. Hist. ser. 5, Vol. 5, p. 384.
1892. *Palaemon (Macrobrachium) lepidactuloides* de Man, Weber's Zool. Ergebn. Vol. 2, p. 497, pl. 29, fig. 51.
1915. *Palaemon lepidactylus* Cowles, Phil. Journ. Sci. Vol. 9, sect. D, p. 389, pl. 3, fig. 9.
- 1928a. *Palaemon (Macrobrachium) lepidactylus lepidactyloides* J. Roux, Troubia, Vol. 10, p. 220.
1937. *Palaemon lepidactylus* Estampador, Phil. Journ. Sci. Vol. 62, p. 488.
1942. *Palaemon hirtimanus* Ward, Mairitus Inst. Bull. Vol. 2, p. 57.
1950. *Macrobrachium hirtimanus* Holthuis, the Palaemonidae, Decapoda Siboga-Snellius Exped. pt. X, pp. 245-251, textf. 51a.

Philippine distribution: Sisiman, Bataan Prov. (Cowles, 1915).

Macrobrachium cowlesi Holthuis

1915. *Palaemon* sp. Cowles, Phil. Journ. Sci. Vol. 9, sect. D, p. 397, pl. s, fig. 11.

1950. *Macrobrachium cowlesi* Holthuis, The Palaemonidae, Decapoda Siboga-Snellius Exped pt. X, p. 257.

Philippine distribution: known only from the Manila water supply (Cowles).

Genus *Palaemonella* Dana, 1852

Palaemonella vestigialis Kemp

1899. *Periclimenes vitiensis* Nobili, Ann. Mus. Stor. Nat. Genova, Vol. 40, p. 234.
 1906. *Palaemonella tenuipes* Rathbun, Bull. U.S. Fish Comm. Vol. 23, pt. 3, p. 925.
 1922. *Palaemonella vestigialis* Kemp, Rec. Indian Mus. Vol. 24, p. 123, Textf. 1, 2, pl. 3, fig. 2.
 1936. *Palaemonella spinulata* Yokoya, Japan Journ. Zool. Vol. 7, p. 135, textf. 4.
 1939. *Palaemonella vestigialis* Calman, Sci. Rep. John Murray Exped. Vol. 6, p. 210.
 1952. *Palaemonella vestigialis* Holthuis, Decapoda, Siboga-Snellius Exped. pt. XI, pp. 24-27, textf. 3.

Philippine distribution: Anchorage off North Ubian, Sulu Islands 6° 7.5' N. 120° 26' E dredge, townt, depth 16-23 m. Lithothamnion bottom; June 28-30, 1899. One ovigerous female 16 mm. (Siboga); off Bongao, Tawitawi, Sulu Island dredge 27 m., Sept. 9, 1929. One specimen, 19 mm. (Snellius).

Palaemonella tenuipes Dana

1852. *Palaemonella tenuipes* Dana, Proc. Acad. Nat. Sci. Phil. Vol. 6, p. 25.
 1898. *Palaemonella tridentata* Borradaile, Proc. Zool. Soc. London, 1898, p. 1007, pl. 64, fig. 8.
 1915. *Palaemonella elegans* Borradaile, Ann. Mag. Nat. Hist. ser. 8, Vol. 15, p. 210; 1917a, Trans. Linn. Soc. London Zool. ser. 2, Vol. 17, p. 359, pl. 53, fig. 4.
 1946. *Palaemonella tenuipes* Edmondson, Spec. Publ. Bishop Mus. Honolulu Vol. 22, p. 252, fig. 152a.
 1952. *Palaemonella tenuipes* Holthuis, Decapoda Siboga-Snellius Exped. pt. XI, pp. 27-28.

Philippine distribution: Sulu Sea (Dana), 1852.

Genus *Vir* Holthuis

Vir orientalis Dana

1852. *Palaemonella orientalis* Dana, Proc. Acad. Nat. Sci. Phila. Vol. 6, p. 26.
 1917a. *Palaemonella orientalis* Borradaile, Trans. Linn. Soc. London, Zool. ser. 2, Vol. 17, p. 358.
 1848. *Palaemonella orientalis* Edmondson, Spec. Publ. Bishop Mus. Honolulu, Vol. 22, p. 252, fig. 152c.
 1952. *Vir orientalis* Holthuis, Decapoda, Siboga-Snellius Exped. pt. XI, p. 30.

Philippine distribution: Sulu Sea (Dana) 1852.

Genus *Periclimenes* Costa, 1844

Periclimenes (*Periclimenes*) *soror* Nobili

1904. *Periclimenes soror* Nobili, Bull. Mus. Hist. Nat. Paris Vol. 10, p. 232.
 1906b. *Periclimenes soror* Nobili, Ann. Sci. Nat. Zool. ser. 9 Vol. 4, p. 50, pl. 2, fig. 6.
 1917a. *Periclimenes* (*Cristiger*) *soror* Borradaile, Trans. Linn. Soc. Lon. Zool. ser. 2, Vol. 17, p. 363.
 1917a.? *Periclimenes* (*Cristiger*) *frater* Borradaile, Trans. Linn. Soc. Lond. Zool. ser. 2, Vol. 17, pp. 324, 364, pl. 53, fig. 6.
 1935. *Periclimenes bicolor* Edmondson, Occ. Pap. Bishop, Mus. Vol. 10, pt. 24, p. 10, fig. 3.
 1952. *Periclimenes* (*Periclimenes*) *soror* Holthuis, Decapoda, Siboga-Snellius Exped. pt. XI, pp. 51-52, textf. 17.

Philippine distribution: Sipankot, near Sibutu, Sulu Is. between eelgrass near the shore; Sept. 11, 1929, — 3 specimens (1 ovigerous female) 8-12 mm Snellius.

Periclimenes (*Harpilius*) *seychellensis* Borradaile

1899. *Periclimenes eusifrons* Nobili, Ann. Mus. Stor. Nat. Genova, Vol. 40, p. 234.
 1915. *Periclimenes* (*Falciger*) *seychellensis* Borradaile, Ann. Mag. Nat. Hist. ser. 8, Vol. 15, p. 212.
 1922. *Periclimenes* (*Ancyllocaris*) *seychellensis* Kemp, Rec. Indian Mus. Vol. 24, p. 176, textfs. 34, 35, pl. 6, fig. 7.
 1952. *Periclimenes* (*Harpilius*) *seychellensis* Holthuis, Decapoda Siboga-Snellius Exped. pt. XI, pp. 66-67.

Philippine distribution: Sulu Sea, 7°41' N, 121°01' E; surface hand net; Sept. 6, 1929, two ovigerous females, 14-15 mm. Sipankot, near Sibutu, Sulu Is. between sea grass, near the shore, September 11, 1929, 4 specimens (one of which is an ovigerous female 12-16 mm. (Snellius).

Periclimenes (Harpilius) brevicarpalis (Schenkel)

1880. *Nicht bestimmte palaemonidae* Richters, Beitr. Meeresfauna Mauritius, pl. 18, fig. 10, 11.
1894. *Palaemonella amboinensis* Zehntner, Rev. Suisse, Zool. Vol. 2, p. 206, pl. 9, fig. 27.
1898. *Bithynis spec.* Coutiere, Bull. Mus. Hist. Nat. Paris, Vol. 4, p. 198.
1902. *Ancyclocaris brevicarpalis* Schenkel, Verh. naturf. Ges. Basel, Vol. 13, p. 563, pl. 13, fig. 21.
1904. *Palaemonela aberrans* Nobili, Bull. Mus. Hist. Nat. Paris, Vol. 10, p. 234.
1905. *Harpilius latirostris* Lens, Abh. Senckenb. Naturf. Ges. Vol. 27, p. 380, pl. 47, fig. 14.
1905. *Periclimenes potina* Nobili, Bull. Mus. Hist. Nat. Paris Vol. 11, p. 159.
1906. *Ancyclocaris aberrans* Nobili, Bull. Sci. France, Belg. Vol. 40, p. 52, pl. 4, fig. 9.
1914. *Periclimenes hermitensis* Rathbun, Proc. Zool. Soc. London 1914, p. 655, pl. 1, figs. 1-3.
- 1917a. *Ancyclocaris latirostris* Borradaile, Trans. Linn. Soc. London Zool. ser. 2, Vol. 17, p. 356.
1922. *Periclimenes (Ancyclocaris) potina* Kemp, Rec. Indian Mus. Vol. 24, p. 184.
1950. *Periclimenes (Ancyclocaris) brevicarpalis* Barnard, Ann. S. Afr. Mus. Vol. 38, p. 794, figs. 150c-h.
1952. *Periclimenes (Harpilius) brevicarpalis* Holthuis, Decapoda Siboga-Snellius Exped. pt. XI, pp. 69-71, textf. 27.

Philippine distribution: Sanguisiapo Is. Tawitawi group, Sulu Archipelago; reef deep; depth 12 m., June 24-25, 1889 — 1 ovigerous female, 20 mm. Siboga. Sulu Sea 7°41' N, 121° 01.5' E, surface handnet, Sept. 6, 1922, — 2 specimens, 8 and 12 mm. (Snellius).

Genus *Periclimenaeus* Borradaile, 1915*Periclimenaeus tridentatus* (Miers)

1884. *Coralliocaris ? tridentatus* Miers, Rept. Zool. Coll. Alert, p. 294, pl. 32, fig. C.
- 1898a. *? Coralliocaris tridentata* Borradaile, Ann. Mag. Nat. Hist. ser. 7, Vol. 2, p. 386.
1904. *Coralliocaris hecate* Nobili, Bull. Mus. Hist. Nat. Paris Vol. 10, p. 232.
1906. *Coralliocaris quadridentata* Rathbun, Bull. U.S. Fish Comm. Vol. 23, pt. 3, p. 920, textf. 69, pl. 24, fig. 1.
- 1917a. *Coralliocaris rathbuni* Borradaile, Trans. Linn. Soc. London. Zool. ser. 2, Vol. 17, p. 385.

- 1917a. *Coralliocaris (Onycocaris) tridentata* Borradaile, Trans. Linn. Soc. Lond. Zool. ser. 2, Vol. 17, p. 386.
 1939. *Periclimenes (Ancylocaris) crassipes* Calman, Sci. Rept. John Murray Exped. Vol. 6, p. 211, fig. 5.
 1946. *Coralliocaris quadridentata* Edmondson, Spec. Publ. Bishop Mus. Honolulu, Vol. 22, p. 249, fig. 150b.
 1952. *Periclimenæus tridentatus* Holthuis, Decapoda, Siboga-Snellius Exped. pt. XI, pp. 140-146, Text figs. 64, 65.

Genus *Onycocaris* Nobili, 1904*Onycocaris stenolepis* Holthuis 1952

1952. *Onycocaris stenolepis* Holthuis, Decapoda, Siboga-Snellius Exped. pt. XI, p. 148, textfs. 66-68.

Genus *Anchistioides* Paulson, 1875*Anchistioides willei* (Borradaile)

1899. *Palaemonopsis willei* Borradaile, Willey's Zool. Res. Vol. 4, p. 410, pls. 36, 37, fig. 7.
 1901. *Amphipalaemon willei* Nobili, Bull. Mus. Zool Anat. Comp. Torino, Vol. 16, N. 402, p. 3.
 1915. *Amphipalaemon gardineri* Borradaile, Ann. Mag. Nat. Hist. ser. 8, Vol. 15, p. 209.
 1915. *Amphipalaemon cooperi* Borradaile, Ann. Mag. Nat. Hist. ser. 8, Vol. 15, p. 209.
 1921. *Amphipalaemon australiensis* Balss, K. Svenska Veternsk. Akad; Handl. Vol. 61, pt. 10, p. 11, figs. 3-6.
 1935. *Anchistioides willei* Gordon, Journ. Linn. Soc. London Zool. Vol. 39, p. 345, figs. 23a, 24a.
 1935. *Anchistioides garineri* Gordon, Journ. Linn. Soc. London Zool. Vol. 39, p. 345, figs. 23b, 24b.
 1935. *Anchistioides cooperi* Gordon, Journ. Linn. Soc. London Zool. Vol. 39, p. 345, figs. 23c, 24c.
 1935. *Anchistioides australiensis* Gordon Journ. Linn. Soc. London Zool. Vol. 39, p. 345, figs. 23d, 24d.
 1952. *Anchistioides willei* Holthuis, Decapoda, Siboga-Snellius Exped. pt. XI, pp. 214-219, textfs. 106, 107.
- Philippine distribution: Off Kapul Island, Sulu Archipelago; among plankton, dredge and townet; depth 13 m, coral bottom July 4, 1899, — 1 specimen, 17 mm.

Family NEMATOCARCINIDAE Spence Bate

Genus *Nematocarcinus* A. M. Edwards*Nematocarcinus altus* Spence Bate

1876. *Nematocarcinus altus* Spence Bate, Rept. Voy. Challenger, Zool. 24, 809, pl. 132, fig. 4.

South of the Philippines, 2,150 fathoms, blue mud bottom.

Nematocarcinus undulatipes Spence Bate

1876. *Nematocarcinus undulatipes* Spence Bate, Rept. Voy. Challenger Zool. 24, 801, pl. 130.

Off Sibago, 250 fathoms, blue mud bottom.

Nematocarcinus tenuirostris Spence Bate

1876. *Nematocarcinus tenuirostris* Spence Bate, Rept. Voy. Challenger Zool. 24, 817, pl. 132, fig. 10, Balss, Macrura Deutsche Tiefsee—Exped. 2, (1925) 273.

South of the Philippines, 500 fathoms, blue mud bottom Challenger.

Nematocarcinus productus Spence Bate

1876. *Nematocarcinus productus* Spence Bate, Rept. Voy. Challenger Zool. 24, 810, pl. 132, fig. 5.

Off Luzon, 1,050 fathoms, blue mud bottom. This species is identical with *N. ensifer* var. *productus* of de Man.

Family TROPIOCARIDAE

Genus *Notostomus* A.M. Edwards

Notostomus patentissimus Spence Bate

1876. *Notostomus patentissimus* Spence Bate, Rept. Voy. Challenger, Zool. 24 826, pl. 134 figs. 1, 2; de Man, Decapoda, Siboga Exped. 87 (1920) 46.

South of the Phil., 2, 150 fathoms, blue mud bottom Challenger Siboga Exped. 87, 1920.

Balss⁶ placed the genus *Notostomus* under Family Hoplophoridae. Dr. J. de Man⁷ placed it under the same family together with the genus *Hymenodora*.

Notostomus perlatus Spence Bate

1876. *Notostomus perlatus* Spence Bate, Rept. Voy. Challenger, Zool. 24 (1873-76) 831, pl. 135, fig. 2; Balss, Macrura Deutsche Tiefsee—Exped. 2(1925) 268.

⁶ Macrura Deutsche Tiefsee Exped. 1925

⁷ De Man, Siboga Exped. 87 (1920).

Near the Philippines, 2,150 fathoms, blue mud bottom Challenger.

Genus *Hymenodora* G.O. Sars

Hymenodora rostrata Spence Bate

1876. *Hymenodora rostrata* Spence Bate, Rept. Voy. Challenger, Zool. 24, 846, pl. 136, fig. 4.

Off Luzon, 1,050 fathoms, blue mud bottom.

Hymenodora glauca Spence Bate

1876. *Hymenodora glauca* Spence Bate, Rept. Voy. Challenger, Zool. 24, 847, pl. 137, fig. 1; de Man, Decapoda, Siboga Exped. 87 (1920) 47.

South of the Philippines, 2,500 fathoms, Challenger.

Family STYLODACTYLIDAE

Genus *Stylodactylus* A.M. Edwards

Stylodactylus sibogue De Man

1920. *Stylodactylus sibogue* de Man, Decapoda, Siboga Exped. pt. IV 87, 38, pl. 5, figs. 10-10c.

Sulu Sea, 285 fathoms, stony bottom.

Family PASIPHAEIDAE

Genus *Pasiphaea* Savigny, 1816

Pasiphaea propinqua de Man

1920. *Pasiphaea propinqua* de Man, Decapoda, Siboga Exped. pt. 487, 7, pl. 1, figs. 1, 1j.

Near Sulu, 245 fathoms, coral bottom.

Pasiphaea sp.

1920. *Pasiphaea* sp. de Man, Decapoda, Siboga Exped. pt. 4 87 11, pls. 1, 2, figs. 4-4p.

Off Sulu, 275 m. coral bottom.

Genus *Leptochela* Stimpson

Leptochela robusta Stimpson

1876. *Leptochela robusta* Spence Bate, Rept. Voy. Challenger, Zool. 24, 862, pl. 139, figs. 3, 4; Rathbun, U.S. Fish Comm.

Bull. for 1903, pt. 111, Wash. (1905) 929; de Man, Decapoda Siboga Exped. pt. IV 87 (1920) 19, pl. 34, figs. 7-7x.
Sulu Archipelago, 7 fathoms (Siboga).

Family OODEOPIDAE

Genus *Oodeopus* Spence Bate

Oodeopus serratus Spence Bate

1876. *Oodeopus serratus* Spence Bate, Rept. Voy. Challenger, Zool. 24, 877, pl. 142, figs. 2, 3.

Off Sibago Island, Zamboanga.

Section HAPLOPODEA

Family HECTARTHROPIDAE

Genus *Hectarthropidae* Spence Bate

Hectarthropus exilis Spence Bate

1876. *Hectarthropus exilis* Spence Bate, Rept. Voy. Challenger, Zool. 24, 889, pl. 144, fig. 2.

Cebu Harbor; off Basilan Strait.

Hectarthropus expansus Spence Bate

1876. *Hectarthropus expansus* Spence Bate, Rept. Voy. Challenger, Zool. 24, 892, pl. 144, figs. 4, 5.

Off Basilan strait, on surface.

Genus *Oodeopus* Spence Bate

Genus *Sestertius* Spence Bate

Sestertius duplicidentis Spence Bate

1876. *Sestertius duplicidentis* Spence Bate, Rept. Voy. Challenger, Zool. 24, 477, pl. 85, fig. 5.

Off Sibago.

⁸ "The group Aberrantia consists of several tribes and families that in their adult conditions approach more nearly the characters common to other divisions, but which nevertheless during the progress of development pass through a stage common to the normal Phylobranchiatic Macrura. The group has long been distinguished by Carcinologists under the name of Anomura, sometimes as a division of the Macrura and sometimes as a distinct order. It is as a separate group of the former that they are noticed; for undoubtedly, in their earlier stages they pass through a morphological change that is essentially macrurous."—Spence Bate

Genus *Zoontocaris* Spence Bate*Zoontocaris approximus* Spence Bate

1876. *Zoontocaris approximus* Spence Bate, Rept. Voy. Challenger, Zool. 24, 475, pl. 85, fig. 4.

Off Mindanao; on surface.

DIVISION DENDROBRANCHIATA

Group NORMALIA

Section PENAEIDEA

Family PENAEIDAE Spence Bate

Genus *Penaeus* Fabricius*Penaeus monodon* Fabricius

1798. *Penaeus monodon* Fabricius, Suppl. Syst. p. 408; Milne Edwards, Hist. Nat. Crust. 2: 416.
 1911. *Penaeus semisulcatus* de Haan, Crust., Fauna Japon p: 191; de Man, Decapoda, Siboga Exped. pt. 1, 55, 97.
 1852. *Penaeus carinatus* Dana, U.S. Explor. Exped. Crust. 602 p. 40, fig. 2.

Luzon, Manila Markets, 0-148. The distribution is most likely throughout the Philippine waters, in shallow waters and down to 20 fathoms (possibly in still deeper water). The Challenger specimen was secured off Panay in 20 fathoms on a mud bottom.

Penaeus indicus (M. Edwards)

1876. *Penaeus indicus* Milne Edwards, Hist. Nat. Crust. 2: 415; Spence Bate, Rept. Voy. Challenger Zool. 24, 248, pl. 33, fig. 2.

Mindoro, Batas, 0-209; off Panay (Challenger) specimen from depth of 20 fathoms on a mud bottom.

Penaeus incisipes Spence Bate

1876. *Penaeus incisipes* Spence Bate, Rept. Voy. Challenger, Zool. 24, 257, pl. 34, fig. 2.

Off Panay, depth 20 fathoms, mud bottom.

Penaeus pissurus Spence Bate

1876. *Penaeus fissurus* Spence Bate, Rept. Voy. Challenger, Zool. 24, 263, pl. 36, fig. 1.

Near Tablas off Cebu; 95-115 fathoms; green mud bottom.

Penaeus gracilis Dana

1852. *Penaeus gracilis* Dana, U.S. Explor. Exped. Crust. 606, pl. 4, figs. 5a-b; Spence Bate, Rept. Voy. Challenger, Zool. 24 (1873-76) 271.

Sulu Sea, 25 miles east of Panay (Dana).

Penaeus philippinensis Spence Bate

1876. *Penaeus philippinensis* Spence Bate, Rept. Voy. Challenger, Zool. 24, 261, pl. 35, figs. 2, 3.

Basilan strait, 82 fathoms, stone and gravel bottom.

Penaeus rectacutus Spence Bate

1876. *Penaeus rectacutus* Spence Bate, Rept. Voy. Challenger, Zool. 24, 266, pl. 36, fig. 2.
 1894. *Metapenaeus rectacutus* Alcock & Henderson, Journ. Asiatic Soc. Bengal 63, 145.
 1911. *Parapenaeus rectacutus* de Man, Decapoda, Siboga Exped. 55, 82; Balss, Macrura, Deutsche Tiefsee Exped. 2 (1925) 228.

Between Bohol and Cebu, 95 fathoms, blue mud bottom Challenger.

Genus *Hemipenaeus* Spence Bate*Hemipenaeus virilis* Spence Bate

1876. *Hemipenaeus virilis* Spence Bate, Rept. Voy. Challenger, Zool. 24, 305, pl. 44, fig. 4.

Off Sibago, 250 fathoms, green mud bottom.

Hemipenaeus tomentosus Spence Bate

1876. *Hemipenaeus tomentosus* Spence Bate, Rept. Voy. Challenger, Zool. 24, 307, pl. 40, figs. 2, 3, pl. 50.

Off Sibago, 250 fathoms, green mud bottom.

Hemipenaeus spinodorsalis Spence Bate

1876. *Hemipenaeus spinodorsalis* Spence Bate, Rept. Voy. Challenger Zool. 24, 301, pl. 44, fig. 1.

South of the Philippines, 2,050 fathoms, blue mud bottom.

Hemipenaeus gracilis Spence Bate

1876. *Hemipenaeus gracilis* Spence Bate, Rept. Voy. Challenger, Zool. 24, 302, pl. 44, fig. 2.

Off Tablas, 700 fathoms, blue mud bottom.

Genus *Haliporus* Spence Bate*Haliporus equalis* Spence Bate

1876. *Haliporus equalis* Spence Bate, Rept. Voy. Challenger, Zool. 24, 285, pl. 41, fig. 1.

Between the Philippines and Borneo, 250 fathoms, green mud bottom.

Haliporus laevis Spence Bate

1876. *Haliporus laevis* Spence Bate, Rept. Voy. Challenger, Zool. 24, 289, pl. 42 fig. 2.

Off Luzon, 1,050 fathoms, green mud bottom.

Genus *Benthesicymus* Spence Bate*Benthesicymus pleocanthus* Spence Bate

1876. *Benthesicymus pleocanthus* Spence Bate, Rept. Voy. Challenger, Zool. 24, 334, pl. 57, fig. 2.

Off Luzon, 1,050 fathoms, blue mud bottom.

Benthesicymus altus Spence Bate

1876. *Benthesicymus altus* Spence Bate, Rept. Voy. Challenger, Zool. 24, 386, pl. 57.

South of the Philippines, 500 to 1,050 fathoms, blue mud bottom.

Genus *Aristeus* Duvernoy*Aristeus armatus* Spence Bate

1876. *Aristeus armatus* Spence Bate, Rept. Voy. Challenger, Zool. 24, 312, pls. 45, 46.
1925. *Aristeopsis armatus* Balss, Macrura, Deutsche Tiefsee Exped. 2, 222.

South of the Philippines, 2,050 fathoms, blue mud bottom Challenger.

Genus *Gennadas* Spence Bate*Gennadas parvus* Spence Bate

1876. *Gennadas parvus* Spence Bate, Rept. Voy. Challenger, Zool. 24, 340, pl. 59.

Philippines, West of Manila, 2,100 fathoms, blue mud bottom.

Family SERGISTIDAE

Subfamily LUCIFERINAE

Genus *Lucifer* Vaughan Thompson*Lucifer typus* Thompson

1829. *Lucifer typus* Vaughan Thompson, Zool. Researches 58, pl. 7, fig. 2; Spence Bate, Rept. Voy. Challenger, Zool. 24, (1873-76) 464, pl. 83; Roxas, Rept. Puerto Galera Marine Biol. Lab. List of Animals (1930).

1852. *Lucifer pacificus* Dana, U.S. Explor. Exped. Crust. 673, pl. 45, fig. 2 (young).

Pelagic, abundant in plankton around Puerto Galera, Mindoro. Mindanao, off Zamboanga Prov. (Challenger).

Lucifer reynaudii Milne Edwards

1876. *Lucifer reynaudii* Milne Edwards, Hist. Nat. Crust. 2, 469, Spence Bate, Rept. Voy. Challenger, Zool. 24, 466, pl. 84.

Mindanao, off Zamboanga Prov. on surface (Challenger).

Subfamily SERGESTINAE

Genus *Sergestes* Milne Edwards*Sergestes intermedius* Spence Bate

1876. *Sergestes intermedius* Spence Bate, Rept. Voy. Challenger, Zool. 24, 383.

China Sea off Luzon.

Sergestes japonicus Spence Bate

1876. *Sergestes japonicus* Spence Bate, Rept. Voy. Challenger, Zool. 24, 387, pl. 70, figs. 1-2.

Off Manila, 700 fathoms, blue mud bottom.

Genus *Acanthosoma* Spence Bate*Acanthosoma macrotelsonis* Spence Bate

1876. *Acanthosoma macrotelsonis* Spence Bate, Rept. Voy. Challenger, Zool. 24, 374, pl. 66, fig. 1.

Mindanao, Zamboanga Prov. from plankton. Spence Bate believed this to be a young stage of one of the species of *Sergestes*.

DIVISION TRICHOBRANCHIATA

Group NORMALIA

Section SYNAXIDEA

Family SCYLLARIDAE

Genus *Ibacus* Leach*Ibacus ciliatus* (Von Siebold)

1824. *Scyllaris ciliatus* von Siebold, Spicul. Fauna Japon p. 15.
 1841. *Scyllarus (Ibacus) ciliatus* de Haan, Fauna Japon Crust.
 p. 153, pls. J.L.
 1841. *Ibacus ciliatus* de Haan, Faun. Japon Crust. pl. 36/37, fig.
 2.
 1861. *Phyllosoma Guerini* Herklots, Tijdschr. Ent. Vol. 4, p. 153.
 1891. *Ibacus ciliatus* Ortmann, Zool. Jb. Syst. Vol. 6, p. 45.
 1933. *Ibacus ciliatus* Yokoya, Journ. Coll. Agric. Tokyo Vol. 12, p.
 48.
 1937. *Ibacus ciliatus* Estampador, Phil. Journ. Sci. Vol. 62 p. 495.

Philippine distribution: commonly sold in the markets of Manila and also in Iloilo.

Ibacus verdi Spence Bate

1876. *Ibacus verdi* Spence Bate, Rept. Voy. Challenger, Zool. 24,
 58, pl. 7, fig. 2, pl. 8.
 1937. *Ibacus verdi* Estampador, Check List Philippine Crustacean
 Decapod, Phil. Journ. Sci. p. 495.

Off Zamboanga, 250 fathoms, green mud bottom, Challenger.

Genus *Paribacus* Dana*Paribacus antarcticus* (Lund)

1793. *Scyllarus antarctitus* Lund, Skr. naturh. Selsk, Kbh, Vol. 2
 pt. 2, p. 22.
 1793. *Cancer (Astacus) ursus major* Herbst, Vers. Naturgesch
 Krabben. Krebse Vol. 2, p. 32, pl. 30, fig. 2.
 1825. *Ibacus ciliatus* Guilding, Trans. Linn. Soc. London Vol. 14,
 p. 337.
 1833. *Scyllarus antarcticus* Henschel, Vita Rumphii p. 203.
 1837b. *Ibacus antarcticus* H. Milne Edwards, Hist. Nat. Crust. Vol.
 2, p. 287.
 1852a. *Paribacus antarcticus* Dana, Proc. Acad. Nat. Sci. Phila.
 1852 p. 14.
 1925. *Paribacus ursus-major* Edmondson, Bull. Bishop Mus. Hono-
 lulu Vol. 27, p. 18.
 1937. *Paribacus ursus-major* OO-U-KIJO, Trans. Nat. Hist. Soc.
 Formosa, Vol. 27, p. 30, figs. 1, 2.

~~185.~~ *Paribacus antarcticus* Holthuis, Decapoda *Macrura* of Snellius Exped. 1, pp. 102-106.

~~Philippines~~ (White) 1847.

Genus *Scyllarus* Fabr.

Scyllarus batei, Holthuis

~~188.~~ *Arctus orientalis* Bate, Rept. Voy. Challenger, Zool. Vol. 24, p. 68, pl. 9, fig. 4.

~~187.~~ *Arctus orientalis* Lloyd, Rec. Indian Musc. Vol. 1, p. 6.

~~186.~~ *Scyllarus orientalis* de Man, Siboga Exped. Mon. 39, p. 73.

~~185.~~ *Arctus orientalis* Estampador, Phil. Journ. Sci. Vol. 62 p. 495.

~~184.~~ *Scyllarus batei* Holthuis, Decapoda *Macrura* Snellius Exp. 1, p. 94.

According to Holthuis, the name *Scyllarus orientalis* was already used by Lund (1793), Fabricius (1798), Latreille (1802), (1818), Lamarck (1818), Desmarest (1823, 1825), von Siebold (1824) and Herklots (1861) for the species at present known as *Tactus orientalis* (Lund). Therefore, the preoccupied name *Scyllarus orientalis* (Bate) must be changed into *Scyllarus batei* non. nov.

Distribution: Between Cebu and Bohol; 95 fathoms, blue mud bottom (Challenger).

Scyllarus martensii Pfeffer

~~183.~~ *Scyllarus martensii* Pfeffer, Verh. Naturv. ver. Hanburg, ser. 2, vol. 5, p. 48.

~~182.~~ *Arctus martensii* Ortmann, Zool. Jb. Syst. Vol. 6, p. 44.

~~181.~~ *Scyllarus martensii* Rathbun, Bull. U.S. Fish Comm. Vol. 23, pt. 3, p. 896, pl. 18, fig. 2.

~~180.~~ *Scyllarus martensii* Estampador, Check List, Phil. Crust. Decapod. Phil. Journ. Sci. Vol. 62, p. 496.

~~179.~~ *Scyllarus martensii* Holthuis, Decapoda *Macrura*, Snellius Exped. 1, p. 96.

Distribution — Sulu Islands (de Man) 1916.

Scyllarus sordidus (Stimpson)

~~178.~~ *Arctus sordidus* Stimpson, Proc. Acad. Nat. Sci. Phila. p. 23.

~~177.~~ *Scyllarus sordidus* G. Nobili, Bollet Mus., Torino no. 455, p. 12.

~~176.~~ *Scyllarus sordidus* de Man, Siboga Exped. pt. 111, 76, p. 65, pl. 2, figs. 11, 11a.

Philippines (Siboga).

Scyllarus gibberosus (de Man)

1905. *Arctus gibberosus* de Man, Tijdschr. de Ned. Dierk Vereen (2) Dl. 9 588.
 1916. *Scyllarus gibberosus* de Man, Siboga Exped. pt. III 76, 90, pl. 3, figs. 14-14d.

Off north Ubian, 6°7'5" North latitude, 120°25' Ea. long. Siboga.

Genus *Thenus* Leach*Thenus orientalis* Lund

1793. *Scyllarus* Lund, Skr. Naturh. Selsk, Kbh, Vol. 2, pt. 2, p. 22.
 1798. *Scyllarus orientalis* Fabricius, Suppl. Ent. Syst. p. 399.
 1837b. *Thenus orientalis* H. Milne Edwards, Hist. Nat. Crust. Vol. 2, p. 286.
 1893. *Thenus orientalis* Stebbing, Hist. Crust. p. 193.
 1895. *Thenus orientalis* Casto de Elera, Catal. Fauna Filip. Vol. 2, p. 565.
 1923. *Thenus orientalis* Maki & Tsuchiya, Rept. Dept. Agric. Formosa, Vol. 3, p. 8, pl. 8, fig. 2.
 1937. *Thenus orientalis* Estampador, Phil. Journ. Sci. Vol. 62, p. 496.
 1946. *Thenus orientalis* Holthuis, Decapoda Macrura, Snellius Exped. XIV, pp. 106-109.

Philippine distribution—Cebu (Ortmann, 1891); Philippines (White, 1847); Philippines (Casto de Elera, 1895).

Family PALINURIDDAE

Genus *Panulirus* White*Panulirus penicillatus* (Oliver)

1791. *Astacus penicillatus* Oliver, Encyl. Metho. Hist. Nat. Vol. 6, p. 343.
 1801. *Palinurus gigus* Bosc, Hist. Nat. Crust. Vol. 2, p. 93.
 1817b. *Palinurus penicillatus* Oliver, Encyl. Meth. Hist. Nat. Vol. 8, p. 674.
 1838a. *Palinurus versicolor* H. Milne Edwards, in Lamarck Hist. Nat. Anim. s. Vert. ed. 2, Vol. 5, p. 372.
 1847. *Palinurus penicillatus* White, List Crust. Brit. Mus. p. 69.
 1851. *Langouste sillonee* H. Milne Edwards, Ann. Sci. Nat. Zool. serv. 3, Vol. 16, p. 290, pl. 8, fig. 5.
 1852b. *Panulirus penicillatus* Dana, U.S. Expl. Exped. Vol. 13, p. 519.
 1874. *Palinurus Ehrenbergi* Hoffmann, Rech. Fauna Madagas. Vol. 5, pt. 2, p. 30, pl. 8.

1898. *Panulirus pencillatus* Borradaile, Proc. Zool. Soc. London p. 1014.
 1902c. *Panulirus pencillatus* Rathbun, Proc. Nat. Acad. Sci. Wash. Vol. 4, p. 287.
 1937. *Panulirus pencillatus* Estampador, Phil. Journ. Sci. Vol. 62, p. 496.
 1946. *Panulirus penicillatus* Holthuis, Decapoda Macrura, Snellius Exped. XIV. pp. 125-128.

Philippine distribution — Puerto Galera, Mindoro Prov.

Panulirus ornatus (Fabricius)

1798. *Palinurus ornatus* Fabricius, Suppl. Ent. Syst. p. 400.
 1802. *Palinurus ornatus* Latreille, Hist. Nat. Crust. Ins. Vol. 6, p. 192.
 1837b. *Palinurus sulcatus* H. Milne Edwards, Hist. Nat. Crust. Vol. 2, p. 297.
 1847. *Panulirus sulcatus* White, List Crust. Brit. Mus. p. 69.
 1895. *Palinurus ornatus* Casto de Elera, Catal. Faun. Filip. Vol. 2, p. 566.
 1904. *Panulirus polyphagus* Borradaile, Fauna Geogr. Mald. Laccad. Vol. 2, pt. 3, p. 754.
 1937. *Panulirus ornatus* Estampador, Phil. Journ. Sci. Vol. 62, p. 496.
 1946. *Panulirus ornatus* Holthuis, Decapoda Macrura, Snellius Exped. XIV, p. 138-142.

Distribution — Luzon (Casto de Elera) 1895; (Pfeffer) 1881-1897; Mindoro (Estampador) 1937.

Panulirus versicolor (Latr.)

1804. *Palinurus versicolor* Latreille, Ann. Mus. Hist. Nat. Paris Vol. 3, p. 394.
 1818. *Palinurus taeniatus* Lamarck, Hist. Nat. Anim. s. Vert. Vol. 5, p. 211.
 1824. *Palinurus fasciatus* von Siebold, Spicil. Faun. Japon p. 15.
 1847. *Panulirus taeniatus* White, Lis. Crust. Brit. Mus. p. 69.
 1894. *Panulirus polyphagus* Ortmann, Denkschr. med.-naturv. Gos. Jena Vol. 8, p. 19.
 1894. *Puer spiniger* Ortmann, Denkschr. med.-naturv. Ges. Jena Vol. 8, p. 19, pl. 2, fig. 2.
 1897. *Panulirus daypus* Ortmann, Zool. Jb. Syst. Vol. 10, p. 262.
 1899. *Panulirus demani* Borradaile, Willey's Zool. Results, Vol. 4, p. 418.
 1910. *Panulirus versicolor* Borradaile, Trans. Linn. Soc. London, Zool. serv. 2, Vol. 13, p. 261.
 1930. *Panulirus versicolor* Roxas, Puerto Galera, Mar. Biol. Lab. p. 19.

1937. *Panulirus versicolor* Estampador, Phil. Journ. Sci. Vol. 62, p. 497.

1946. *Panulirus versicolor* Holthuis, Decapoda-Macrura, Snellius Exped. XIV, pp. 142-145.

Philippine distribution — Philippines (White, 1847); Puerto Galera, Mindoro (Roxas, 1930; Estampador, 1937).

Genus *Palinustus* A. Milne Edwards

Palinustus mossambicus Barnard

1926. *Palinustus mossambicus* Barnard, Trans. Voy. Soc. Afr. Vol. 13, p. 126.

1946. *Palinustus mossambicus* Holthuis, Decapoda-Macrura Snellius Exped. XIV, pp. 117-121, pl. x, figs. a, b.

Collected from Basilan strait, 6°58' N., 121°52' E dredge 72-80 m. Sept. 5, 1929 — 4 males and 1 female 49-90 mm. (Snellius).

Section ASTACIDEA

Family ERYONIDAE

Genus *Pentacheles* Spence Bate

Pentacheles laevis Spence Bate

1876. *Pentacheles laevis* Spence Bate, Rept. Voy. Challenger, Zool. 24, 144, pl. 15, fig. 5; Spence Bate, Ann. Mag. Nat. Hist. (5) 2 (1878) 278.

Family HOMARIDAE

Genus *Nephrops* Leach

Nephrops thomsoni Spence Bate

1876. *Nephrops thomsoni* Spence Bate, Rept. Voy. Challenger, Zool. 24, 185, pls. 25, 26.

Off Tablas, 100 fathoms, green mud bottom.

Section STENOPIDEA

Family STENOPIDAE Spence Bate

Genus *Stenopus* Latreille

Stenopus hispidus Adams and White

1852. *Stenopus hispidus* Dana, U.S. Explor. Exped. Crust. 607, pl. 40, fig. 8; Spence Bate, Voy. Challenger, Zool. 24, (1873-76)

211, pl. 30; Balss, Macrura, Deutsche Tiefsee Exped. 2
(1925) 233.

Mindoro, Mindoro Prov., Calapan and Puerto Galera, 0-1841

Genus *Spongiicola* De Haan

Spongiicola venusta de Haan

1850. *Spongiicola venusta* de Haan, Faun. Japon, Crust. 194, p. 46,
fig. 9; Miers, Journ. Linn. Soc. London 13: 507, pl. 24,
figs. 1, 2. Spence Bate, Rept. Voy. Challenger, Zool. 24
(1873-76) 213, pl. 29.

Off Cebu, 95 fathoms, blue mud bottom (Challenger).

Group ABERRANTIA

Family GALATHEIDAE Dana

Genus *Galathea* Fabricius

Galathea elegans White

1847. *Galathea elegans* White, List. Crust. Brit. Mus. 66; Miers,
Crust. Zool. H.M.S. Albert (1884) 278.

Mindoro, Mindoro Prov. Puerto Galera, 0-1823. This
beautifully colored species is found almost invariably
in pairs.

Galathea subsquamata Stimpson

1858. *Galathea subsquamata* Stimpson, Proc. Acad. Nat. Sci. Phila.
90.

Off Tablas, 100 to 115 fathoms, green mud bottom (Chal-
lenger).

Galathea grandirostris Stimpson

1958. *Galathea grandirostris* Stimpson, Proc. Acad. Nat. Sci. Phila.
90.

Off Cebu, 95 to 100 fathoms, blue mud bottom (Challenger).

Galathea aculeata Haswell

1882. *Galathea aculeata* Haswell, Proc. Linn. Soc. N.S.W. 6, 761.
Off Manila, 18 fathoms, blue mud bottom (Challenger).

Genus *Munida* Leach

Munida incerta Henderson

1888. *Munida incerta* Henderson, Rept. Voy. Challenger, Zool. 27, 130, pl. 13, fig. 4; Benedict, Proc. U.S. N.M. No. 1311, 26, 307.

Off Siboga, 250 fathoms, green mud bottom Challenger.

Munida militaris var. *curvirostris* Henderson

1885. *Munida curvirostris* Henderson, Ann. & Mag. Nat. Sci. (5) 16, 412; Benedict, Proc. U.S.N.M. No. 1311, 16, 307.

1888. *Munida militaris* var. *curvirostris* Henderson, Rept. Voy. Challenger Zool. 27, 139, pl. 3, fig. 7.

Siboga, 250 fathoms; green mud bottom Challenger. Cebu (Benedict) 375 fathoms; blue mud bottom.

Genus *Munidopsis* Whiteaves

Munidopsis milleri Henderson

1885. *Munidopsis milleri* Henderson, Ann. & Mag. Nat. Hist. (5) 16, 414.

Off Tablas Island, 700 fathoms, blue mud bottom Challenger.

Munidopsis pilosa Henderson

1885. *Munidopsis pilosa* Henderson, Ann. & Mag. Nat. Hist. (5) 16, 415.

Near the Philippines, 825 fathoms, hard ground bottom (Challenger).

Genus *Elasmonotus* A. M. Edwards

Elasmonotus debilis Henderson

1885. *Galathopsis debilis* Henderson, Ann. & Mag. Nat. Hist. (5) 16, 415.

1888. *Elasmonotus debilis* Henderson, Rept. Voy. Challenger, Zool. 27.

Philippines, 375 fathoms; blue mud bottom.

Genus *Uroptychus* Henderson

Uroptychus spinimarginatus Henderson

1885. *Diptychus spinimarginatus* Henderson, Ann. Mag. Nat. Hist. (5) 16, 419.

1888. *Uroptychus spinimarginatus* Henderson, Rept. Voy. Challenger Zool. 27, 175, pl. 21, fig. 2; Benedict Proc. U.S.N.M. 26; 333.

South of the Philippines, 500 fathoms, blue mud bottom
(Challenger).

Family THALASSINIDAE

Genus *Thalassina* Latreille

Thalassina anomala (Herbst)

1803. *Cancer anomalus* Herbst, Krabben u. Krebse III, 45, pl. 62

1807. *Thalassina scorpionides* Latreille, Gen. Crust. et Ins. 1, 51.

1888. *Thalassina anomala* de Man, Journ. Linn. Soc. London 22, 260.

Mindoro, Puerto Galera 0-8. Luzon, Malate, Manila 0-29,
0225; Zambales, Subic, 0224. Palawan, Busuanca, 0279.
Mactan, Cebu, 0220. Basilan, Zamboanga, 0221. Tawitawi,
0223.

Family CALLIANISSIIDAE

Genus *Callianassa* Leach

Callianassa mucronata Strahl

1861. *Callianassa mucronata* Strahl, Mon. Ber. Aka. Wise, Ber-

lin 1056; A.M. Edwards, Nouv. Archiv. Mus. Hist. Nat.

Paris 6 (1870) 94; Ortmann, Decapod. Krebse Strassburger

Mús. Zool. Jahr. 6 (1892) 57.

Philippines (Strahl).

Genus *Gebia* Leach

Gebia barbata Strahl

1861. *Gebia barbata* Strahl, Mon. Akad. Wiss. Berlin 1062; Ort-

mann, Decapod, Krebse, Strassburger, Mus. Zool. Jahr.

Syst. 6, (1892) 54, pl. 1, fig. 8.

Luzon (Strahl).

Family AXIIDAE

Genus *Axius* Leach

Subgenus *Neaxius* Borradaile

Axius (*Neaxius*) *plectorhynchus* Strahl

1925. *Axius* (*Neaxius*) *plectorhynchus* de Man, Decapoda, Siboga

Exped. 101- 104, 4.

Luzon, between tide marks, 3 to 4 fathoms below tide marks.

Axius (Eliconaxius) sibogue de Man

1925. *Axius (Eiconaxius) sibogue* de Man, Decapod, Siboga Exped. pt. VI, 101-104, 34, figs. 4-4h.

Sulu Sea, 285 fathoms, stony bottom.

Genus *Axiopsis* Borradaile*Axiopsis (Axiopsis) consabrina* de Man

1925. *Axiopsis (Axiopsis) consabrina* de Man, Decapoda Siboga Exped. pt. 6, 101-104, 80.

Sulu Sea, 150 fathoms, coral bottom.

Genus *Scytoleptus* Gerstaecker*Scytoleptus serripes* Gerstaecker

1856. *Scytoleptus serripes* A. Gerstaecker, Archiv. f. Naturg. 22, 158, pl. 6, figs. 1-4; Hilgendorf, Monatsber. Kon. Akad. Wiss. Berlin. Now. (1878) 827; de Man, Decapod. Siboga Exped. pt. VI 101-104, (1925) 49.

Luzon (Siboga).

SUBORDER ANOMURA

Section PAGURIDEA

Branch LAMINIBRANCHIATA

Family PAGURIDAE Dana

Genus *Clibanarius* Dana*Clibanarius corallinus* (Milne Edwards)

1848. *Pagurus corallinus* Milne Edwards, Ann. Sci. Nat. Zool. (3) 10, 63.

1905. *Clibanarius corallinus* Alcock, Cat. Ind. Decapod. Crust. 11, Fasc. 1, 48, pl. 5, fig. 1.

Luzon, Manila Bay, 0-343. Medio, Mindoro Prov. Puerto Galera 0-461.

The anomurans occupy an indefinite position between the *Macrura* and *Brachyura*. In some systematic works they have been divided into two subdivisions—*Macrura Anomalia* and *Brachyura Anomalia*.

The system adopted in this work is that of Henderson Challenger Rept. Zool. 27. Some of the specimens included in the list are labeled but not numbered.

Clibanarius antillensis Stimpson

1859. *Clibanarius antillensis* Stimpson, Ann. Lyc. Nat. Hist. 7, 85;
Benedict, Bul. U.S. Fish Comm. 20 (1900) 142, pl. 6, fig. 1.
Mindoro, Mindoro Prov., Puerto Galera, Palawan, Taytay.

Clibanarius cruentatus (Milne Edwards)

1848. *Pagurus cruentatus* Milne Edwards, Ann. Sci. Nat. Zool.
(3), 10, 62.
Palawan, Taytay, 0-1214; Mindoro, Puerto Galera, 01921.

Clibanarius erysternus Hilgendorf

1887. *Clibanarius erysternus* de Man, Archiv. f. Naturg. 53, 447.
Luzon, Manila Bay, 0-345; Mindoro, Mindoro Prov., Puerto
Galera 0-457.

Clibanarius clibanarius (Herbert)

1791. *Cancer clibanarius* Herbert, Krabben u. Krebse 2, 20, pl.
23, fig. 1.
1878. *Clibanarius clibanarius* Hilgendorf, M.B.K. Akad. Berlin 820.
Palawan, Taytay, 0-1241, 0-1738, not indicated.

Clibanarius infraspinatus Hilgendorf

1869. *Clibanarius infraspinatus* Hilgendorf, in V. d. Deckkn's
Reisen Ost. Afric III, 97.
Luzon, Bataan, Mariveles 0-276, Palawan, Taytay; Min-
doro, Puerto Galera.

Clibanarius striolatus Dana

1852. *Clibanarius striolatus* Dana U.S. Explor. Exped. Crust. 1,
463, pl. 24, fig. 3a-e.
Palawan, Taytay, 0-1318.

Clibanarius sclopetarius Herbst

1796. *Clibanarius sclopetarius* Herbst, Krabben u. Krebse 2, 23, pl.
23, fig. 3; Benedict, Bull. U.S. Fish Comm. 20 (1900) 142.
Mindoro, Mindoro Prov., Puerto Galera, 0-459, Palawan,
Taytay, 0-1900.

Clibanarius padavensis de Man

1905. *Clibanarius padavensis* Alcock, Cat. Ind. Decapod, Crust.
Fasc. 12, 44, pl. 4, fig. 2.

Mindoro, Mindoro Prov. Puerto Galera, 0-1813, Luzon, Manila Bay.

Clibanarius philippinensis Yapchiongco sp. nov.

1933. *Clibanarius philippinensis* Yapchiongco, (in MS.).

Small, scarcely setose except towards the extremities of chelipeds and legs; antennal angles of carapace yellowish white; fingers of chelipeds white; propodite of legs with dark violet rings around distal ends; dactyli white; dactylus of third left leg shorter than its propodus. Carapace elongated, its greatest breadth about $5/8$ of its length; gastric region deeply punctuate and hardly setose; branchial region with a transverse series of hair tufts immediately behind cervical groove; rostral projection small and triangular; antennal angles of carapace yellowish white, less intensely so at rostrum. Ocular stalk moderately slender, slightly shorter than front border of carapace but slightly longer than antennular peduncle; eyes, with white ring around base, occupying about $1/7$ or more of length of stalk; ophthalmic scales broad, truncate, with two spinules on the inner anterior margin. Antennal acicle long and slender, spinose on the dorsal side, especially about tip; apices calcareous white and parallel to base of last joint of peduncle; second segment of peduncle with one projecting spine on outer upper distal margin and another on inner inferior border about some distance behind distal end. Chelipeds similar in form but subequal, the right slightly the larger; lower inner margin of merus serrate; general surface with yellowish or white, squamiform tubercles scattered here and there; distal outer edge of merus armed with two spinules; carpus with a strong spine and few elevated tubercles on distal upper inner border; hand flat dorsally, swollen at base and globular below; dorsal surface of hand studded with high conical tubercles; fingers yellowish-white and armed with spinose tubercles towards apices; finger tips corneous and blackish brown. Crawling legs longer than chelipeds; merus of third pair of legs with dark violet spots on both upper and lower borders which tend to meet medially; carpus of legs with a single spine on upper distal end; propodus of legs provided with a dark violet ring around the distal end; penultimate segment of third left leg convex, with a slight ridge converging medially; upper edge cristiform; dactylus shorter than propodite; dactyli of legs whitish-yellow with black

corneous apices; ischiopodites studded with low elevated granules. Chelipeds and legs become more setose gradually towards their extremities.

Luzon, Manila Bay, 0-1901 Palawan, Taytay.

Genus *Pagurus* Fabricius

Pagurus biformis Milne Edwards

1836. *Pagurus biformis* Milne Edwards, Ann. Sci. Nat. Zool. (2) 6; 229.

1848. *Pagurus cultrerus* White, Lit. Crust. Brit. Mus. (1848) 60
Mindoro, Puerto Galera, Calapan. Palawan, Taytay.

Pagurus dermatus Henderson

1888. *Pagurus dermatus* Henderson, Rept. Voy. Challenger, Zool. 27 (1888) 58.

Mindoro, Puerto Galera.

Pagurus asper de Haan

1849. *Pagurus asper* de Haan, Fauna Japon 208, pl. 49, fig. 4.

1903. *Dardanus haani* Rathbun, Proc. U.S.N.M. 34.

Shores of Mindoro.

Pagurus vulnerans Thallwitz

1890. *Pagurus vulnerans* Thallwitz, Abh. u. Ber. k. Zool. Mus. No. 3, 33.

Mindoro, Puerto Galera, 0-450, Palawan, Balabac Strait
0-1419.

Pagurus punctulatus Oliver

1804. *Cancer magistes* Herbst, Krabben u. Krebse 3, 23, pl. 11, fig. 1.

1811. *Pagurus punctulatus* Oliver, Encycl. Method. 8, 639.

Mindoro, Puerto Galera and Calapan. Palawan, Taytay.

Pagurus wood-masoni Alcock

1905. *Pagurus wood-masoni* Alcock, Cat. Ind. Decapod. Crust Fasc. 1, 2, 85, pl. 9, fig. 3.

Mindoro, Puerto Galera.

Pagurus fabimanus Dana

1852. *Pagurus fabimanus* Dana, U.S. Explor. Exped. Crust 1, 454, p. 28, fig. 7a-c

Mindoro, Puerto Galera 0-721.

Pagurus euopsis Dana

1852. *Pagurus euopsis* Dana U.S. Explor. Exped. Crust. 1, 452,
pl. 27, figs. 6a-c.

1861. *Pagurus depressus* Heller, S.B.K. Akad. Wien 44, 248.

Mindoro Coast 0-1536.

Pagurus guttatus Oliver

1811. *Pagurus guttatus* Oliver, Encycl. Method 8, 640.

1865. *Pagurus setifer* Hess; Archiv. f. Nat. 31, 161.

Mindoro, Puerto Galera 0-1920.

Pagurus semilimanus Henderson

1888. *Pagurus semilimanus* Henderson, Rept. Voy. Challenger,
Zool 27, 59, pl. 6, fig. 6.

Mindanao, off Zamboanga Prov., 375 fathoms, blue mud
bottom.

Pagurus striatus Latreille

1765. *Cancer arrosor* Herbst, Naturg. Krabben U. Krebse 2, 170,
pl. 43, fig. 1.

1802. *Pagurus striatus* Latreille, Hist. Nat. Crust. et Insect. 7, 163.

Off Cebu, on a reef. Tablas, 100 to 115 fathoms, green
mud bottom (Challenger).

Genus *Aniculus* Dana*Aniculus aniculus* (Herbst)

1791. *Cancer aniculus* Herbst, Krabben u. Krebse 2, 37.

1793. *Pagurus aniculus* Fabricius, Ent. Syst. 2.

1905. *Pagurus aniculus* Alcock, Cat. Ind. Decapod. Crust. Fasc.
1, 2, 94, pl. 7, fig. 6.

Mindoro, Puerto Galera, 0-60, 0-170, 0-377.

Genus *Diogenes* Dana*Diogenes avarus* Heller

1866. *Diogenes avarus* Heller, Novara Crust. 83, pl. 7, fig. 2.

Mindoro, Puerto Galera 0-1924.

Diogenes brevirostris Stimpson

1907. *Diogenes brevirostris* Stimpson, Smithsonian Mus. Coll. 49,
201, pl. 19, fig. 2.

Palawan, Taytay.

Diogenes lanaris Yapchiongco1933. *Diogenes lanaris* Yapchiongco (in MS)

Carapace elongate with greatest breadth across branchial region about $5/6$ of sagittal length; gastric region smooth at center but roughened towards sides by anteriorly tilted and elevated scalelike plates whose edges are cut into minute spirules; edges also fringed with beautiful, metallic, silky yellowish bristles. Anterolateral borders of carapace finely spinulate; rostriform process merely a slender strongly acuminate spinule, slightly surpassing ophthalmic scales.

Eyestalk slender, longer than front border of carapace by a third or less of its length and shorter than antennular peduncle by a corneal length; cornea not dilated; ophthalmic scale arcuate with four or five dentines on anterior border. Antennal peduncle moderately long, reaching halfway to last segment of antennular; antennal acicle vertically laminate, acuminate, and provided with four calcareous spines on superior edge, reaching beyond base of last segment of peduncle.

Chelipeds plumose, the left much longer; denuded outer surface covered with irregular platelike granules. External surface or merus covered with similar granules gradually becoming elevated, blunt tubercles towards the inferior edge; lower outer margin serrate; its superior border sharp and crenulate, the last two tubercles becoming clawlike spines distally. Outer surface of carpus tuberculose and alternated with calcareous spines arranged in rows of two's and three's; outer distal margin beset with spinules, the spinules tending to become spines towards superior border; dorsal edge produced into a vertical crest a short distance from proximal end towards middle. Crest mounted with six strong calcareous spines at distal half, gradually merging into general surface anteriorly. Palm with a short longitudinal median carina or ridge on proximal half of extensor area which merges into general surface distally; ridge beset with five to seven white spines; halfway between this ridge and the superior border on same surface a dorsally concave, linear series of calcareous spinules reaching base of mobile finger. Other spinules on general surface, especially on distal portion, each one occupying an intersection of borders of platelike granules. Hand about twice as long as wide; superior border raised into a disk-like elevation armed with spinose

tubercles flanking one or two series of larger spines. Inferior margin likewise beset with one of two series of thornlike spinules. Fingers roughened by conical spines; superior border of dactylus spinulated, a continuation from same border of hand; fixed finger somewhat deflexed; finger apices acuminate. Right cheliped smooth and obsolete, unarmed though greatly plumose. Left crawling legs slightly exceeding apex of big cheliped; like chelipeds, legs plumose with wooly hairs mostly confined on upper and lower borders.

Palawan, Taytay, 0-1797. Type specimen is in the Collection of the Zoology Department of the University of the Philippines.

Genus *Calcinus* Dana

Calcinus herbstii de Man

1836. *Pagurus tilicen* Milne Edwards, Ann. Sci. Zool. (2) 5, 278.

1839. *Pagurus laevimanus* Randall, Journ. Acad. Phila. 7, 135.

1905. *Calcinus herbstii* Alcock, Cat. Ind. Decapod. Crust. Fasc. 1, 2, 53, pl. 5, fig. 4.

Luzon, Rizal Province, Pasay, 0-345. Mindoro, Puerto Galera 0-4327.

Calcinus elegans Milne Edwards

1837. *Pagurus elegans* Milne Edwards, Hist. Nat. Crust. 229.

1852. *Calcinus elegans* Dana, U.S. Explor. Exped. Crust. 1, 458, pl. 27, fig. 10.

Mindoro, Puerto Galera, 0-333.

Calcinus terrae reginae Haswell

1881. *Calcinus terrae-reginae* Haswell, Proc. Linn. Soc. N.S. Wales 6, 760.

Mindoro, Puerto Galera, 0-1906.

Calcinus latens Randall

1839. *Pagurus latens* Randall, Journ. Acad. Phila. 135.

1881. *Calcinus intermedius* de Man, Notes Leyden Mus. 3, 102.

1905. *Calcinus latens* Alcock, Cat. Ind. Decapod. Crust. Fasc. 1, 2, 58, pl. 5, fig. 5.

Mindoro, Puerto Galera, 0-1923.

Genus *Eupagurus* Brandt

Eupagurus janitor Alcock

1905. *Eupagurus janitor* Alcock, Cat. Ind. Decapod. Crust. Fasc. 1, 2, 132, pl. 11, fig. 6.

Baco, Calapan, Mindoro, Mindoro Prov., Puerto Galera,
0-1517, 0-1922, 0-1521.

Eupagurus spinolentus Henderson

1888. *Eupagurus spinolentus* Henderson, Rept. Voy. Challenger,
Zool. 27, 68, pl. 7, fig. 3.

Off Tablas, 100 to 115 fathoms, green mud bottom.

Genus *Paguristes* Dana

Paguristes hians Henderson

1888. *Paguristes hians* Henderson, Rept. Voy. Challenger, Zool.
27, 79, pl. 8, fig. 4.

Off Manila, 18 fathoms, blue mud bottom.

Genus *Spiropagurus* Stimpson

Spiropagurus spiriger de Haan

1850. *Pagurus spiriger* de Haan, Faun. Japon, Crust. 206 pl. 49;
fig. 2.

1858. *Spiropagurus spiriger* Stimpson, Proc. Acad. Nat. Sci. Phila.
72.

Off Manila, 18 fathoms, blue mud bottom (Challenger).

Family COENOBITIDAE Dana

Genus *Birgus* Leach

Birgus latro Linn

1705. *Cancer cruentatus* Rumphius D' Amboinisch Rariteitkamer
p. 7, pl. 4.

1798. *Pagurus latro* Fabricius, Suppl. Ent. Syst. 411.

1815. *Birgus latro* Leach, Trans. Linn. Soc. London 11, 337.

Of very wide distribution in the Philippines; specimens had
been collected from Cabro, Mindanao; Camotes, Cebu Province,
Samar. Luzon, Cagayan Province, Claveria; the Batanes
Group, and other places.

Genus *Coenobita* Latreille

Coenobita rugosa Milne Edwards

1837. *Coenobita rugosa* Milne Edwards, Hist. Nat. Crust. 2, 241;
Dana, U.S. Explor. Exped. Crust. (1852) 471, pl. 36, figs.
1, 2.

1890. *Coenobita compressa* var. *rugosa* Bouvier, Bul. Sci. Philom. (8) 3, 21.

Mindanao, Lanao Prov., Kolambugan, 0-928. Palawan, Taytay 0-1225; Sulu Sea (Dana).

Coenobita perlata Milne Edwards

1837. *Coenobita perlata* Milne Edwards, Hist. Nat. Crust. 2, 242.
1852. *Coenobita purpurea* Stimpson, Proc. Acad. Nat. Sci. Phila. 245.

Mindoro, Mindoro Province, Puerto Galera, 0-1903.

Coenobita cavipes Stimpson

1852. *Coenobita cavipes* Stimpson, Proc. Acad. Nat. Sci. Phila. 254.
1862. *Coenobita violascens* Heller, Verh. Zool. Bot. Ges. Wien 12, 524.
1880. *Coenobita compressa* Miers, Ann. Mag. Nat. Hist. (5) 5, 371.

Palawan, Taytay, 0-1222, Samar, Batag, 0-964.

Coenobita clypeata Herbst

1796. *Cancer clypeata* Herbst, Krabben v. Krebse 2, 22, pl. 23, fig. 2.
1828. *Coenobita clypeata* Latreille, Fam. Nat. du Anim. 277.

From the shores of Mindanao, 0-31, 0-442, 0-1880.

Branch FIBRIBRANCHIATA HENDERSON

Family PARAPAGURIDAE S.I. Smith

Genus *Pagurodes* Henderson

Pagurodes piliferous Henderson

1888. *Pagurodes piliferous* Henderson, Rept. Voy. Challenger, Zool. 27, 96, pl. 9, fig. 5.

Off Tablas, 100 to 115 fathoms, green mud bottom.

Pagurodes limatulus Henderson

1888. *Pagurodes limatulus* Henderson, Rept. Voy. Challenger, Zool. 27, 96, pl. 10, fig. 6.

South of the Philippines, 500 fathoms, blue mud bottom.

Genus *Paguroopsis* Henderson

Paguroopsis typicus Henderson

1888. *Paguroopsis typicus* Henderson, Rept. Voy. Challenger, Zool. 27, 99, pl. 10, fig. 4.

Off Tablas, 100 to 115 fathoms, green mud bottom.

Genus *Parapagurus* Henderson*Parapagurus abyssorum* A.M. Edwards in MS.1888. *Parapagurus abyssorum* Henderson, Rept. Voy. Challenger, Zool. 27, 86.

Off the Philippines, 1,075 fathoms, blue mud bottom.

Section PORCELLANIDEA

Family PORCELLANIDAE Dana

Genus *Petrolisthes* Stimpson*Petrolisthes rathbunae* Schmitt1921. *Petrolisthes rathbunae* Schmitt, Decapod. Crust. Cal. Univ. Publ. Zool. 23, 181, pl. 32, fig. 3.

Luzon, Quezon Prov., Atimonan, 0-1772, Bataan Province, Mariveles 0-1751.

Petrolisthes gracilis Stimpson1862. *Petrolisthes gracilis* Stimpson, Ann. Lyc. Nat. Hist. New York 7, 74; Schmitt, Decapod. Crust. Cal. Univ. Publ. Zool. 23 (1921) 181, pl. 32, fig. 4.

Luzon, Quezon Province, Atimonan 0-1771.

Petrolisthes eriomereus Stimpson1871. *Petrolisthes eriomereus* Stimpson, Ann. Lyc. Nat. Hist. New York 10, 119; Schmitt, Decapod. Crust. Cal. Univ. Publ. Zool. 23 (1921) 180, pl. 32, fig. 2.

Mindoro, Mindoro Province, Puerto Galera.

Petrolisthes marginatus Stimpson1859. *Petrolisthes marginatus* Stimpson, Ann. Lyc. Nat. Hist. New York 7, 74; Benedict, Anomuran Coll. Fish Exped. Puerto Rico (1901) 134, pl. 3, fig. 1.

Mindoro, Puerto Galera, 0-1802.

Petrolisthes lamarckii (Leach)1820. *Pisidia lamarckii* Leach, Dict. Sci. Nat. Vol. 18, p. 54.1898. *Petrolisthes lamarckii* Borradaile, Proc. Zool. Sci. London, pt. 2.1837. *Porcellana dentata* H. M. Edwards, Hist. Nat. des Crustacés, Paris, Tom. 2.1888a. *Porcellana* (*Petrolisthes*) *dentata* de Man, Journ. Linn. Soc. London, Vol. 22, p. 216; 1896, Zool. Jahrb. Syst., Jena, Bd. 2, pl. 32, fig. 47b.

1893. *Petrolisthes dentatus* Henderson, Trans. Linn. Soc. London, Zool. ser. 2, Vol. 5, p. 426.
1852. *Porcellana speciosa* Dana, U.S. Explor. Exped. p. 417, pl. 26, fig. 8.
1942. *Petrolisthes lamarecki* Miyake, Studies on the Decapod. Crust. of Micronesia, III, Porcellanidae, pp. 342-345, text-figs. 7-8.

Distribution: Sulu Sea (Dana).

Genus *Pisisoma* Stimpson

Pisisoma sculptum Milne Edwards

1837. *Precellana sculpta* Milne Edwards, Hist. Nat. Crust. 2, 253; Dana, U.S. Expl. Exped. (1852), 412, pl. 26, fig. 2.
1882. *Porcellana pulchella* Haswell, Cat. Austral. Crust. 148.
1848. *Pachyceles pulchellus* Miers, Rept. Zool. Coll. Alert 273, pl. 30, fig. A.
1892. *Pisisoma sculptura* Ortmann, Decapod. Krebse Strassburger Mus. Zool. Jahrb. Syst. 6, 265.

Sulu Sea (Dana).

Genus *Porcellana* Lamarck

Porcellana suluensis Dana

1855. *Porcellana suluensis* Dana, 1852, U.S. Explor. Exped. p. 414, pl. 26, fig. 4.
1924. *Porcellana suluensis* Rathbun, Arch. Zool. Stockholm Bd. 16.
1935. *Porcellana suluensis* Gordon, Mem. Mus. Hist. Nat. Belgique, Bruselles, Hors. Ser. Tom. Fasc. 17.
1943. *Porcellana suluensis* Miyake, Journ. Dept. Agric. Vol. 7, no. 3, pp. 128-129, text fig. 49.

Distribution: Sulu Sea (Dana).

Henderson¹⁰ grouped the families Galatheidæ and Porcellanidæ to constitute the Section Galatheidæ of Anomura. Spence Bate¹¹ placed Galatheidæ in the Division Trichobranchiata, Group Aberrantia of Macrura. This family is retained in this position in this paper.

Galathea is much more macrurous in general appearance, while *petrolisthes* resembles the brachyurans, its flattened, broad and almost quadrangular cephalothorax makes it appear very much like the true crabs. Its anomuran characteristics

¹⁰ Challenger Rept. Zool. 27, (1888)

¹¹ Challenger Rept. Zool. 24, (1888)

are only the antennae, the presence of uropods, and the fact that the pleura of the abdominal segments are separate, not fused.

Section HIPPIDEA

Family HIPPIDAE Dana

Genus *Remipes* Stimpson

Remipes testudinarius Latreille

1793. ? *Hippa adactyla* Fabricius, Ent. Syst. 2, 474; Latreille, Hist. Nat. Crust. 6 (1803) 176.
1796. *Cancer emeritus* Herbst, Naturg. Krabben u. Krabse 2, 8, pl. 22, fig. 4.
1806. *Remipes testudinarius* Latreille, Gen. Crust. et Ins. 1, 45; Lamarck, Hist. Anim. sans. Vert. 5 (1818) 223; Desmarest, Consid. Crust. (1825) 175, pl. 29, fig. 1; Heller, Reise der Novara, Crust. (1865) 72; Miers, Journ. Linn. Soc. Zool. 14 (1879) 312.
1847. *Remipes marmoratus* White, List Crust. Brit. Mus. 58 sine.
1852. *Remipes pacificus* Dana, U.S. Explor. Exped. 13, 407, pl. 25, fig. 7; Stimpson, Ann. Lyc. Nat. Hist. New York 7 (1862) 241.

Very widely distributed in the Philippines. Specimens were collected from Guimaras, Iloilo; Cebu, Mindoro, Mindoro Prov. Puerto Galera; Luzon: Batangas, Bauan, La Union, Ilocos Sur, Ilocos Norte and other places. Quite common along the water line where the sand is coarse and loose.

Remipes testudinarius var. *denticulatifrons* White

1879. *Remipes testudinarius* var. *denticulatifrons* Miers, Journ. Linn. Soc. Zool. 14, 318.

Cebu, 0-1182. The variety is quite rare.

Genus *Mastigochirus* Stimpson

Mastigochirus quadrilobatus Miers

1879. *Mastigochirus quadrilobatus* Miers, Journ. Linn. Soc. Zool. 14, 322, pl. 5, fig. 8.

Guimaras, (Miers).

Family ALBUNEIDAE Stimpson

Genus *Albunea* Fabricius*Albunea symnista* Linnaeus1766. *Cancer symnista* Linnaeus, Syst. Nat. 1053.1793. *Hippasymnista* Fabricius, Ent. Syst. 2, 474.1879. *Albunea symnista* Miers, Journ. Linn. Soc. Zool. 14, 326.

Luzon, La Union Prov. 0-1852; Ilocos Sur; Cagayan Prov.,
Aparri.

These species differ from the allied species *R. testudinarius* in preferring as habitat the more compact and finer sand.

Albunea microps White1847. *Albunea microps* White, List. Crust. Brit. Mus. Append.
129.

Sulu Sea, 10 fathoms Miers.

BRACHYURA PRIMIGENIA or DROMICEA

Boas is of the opinion that the Dromicea are Brachyura and Bouvier, that they connect the higher Brachyura with the homarid family of Macrura. The opinion adopted here is that of Alcock, who adopted the view of Boas and subdivided it into natural groups: Homolidea and Dromidea with corresponding families:

Homolidea —

1. Homolidae
2. Latreillidae

Dromidea —

1. Homolodromidae
2. Dynamidae
3. Dromidae

Section HOMOLIDEA

Genus *Latreillopsis* Henderson*Latreillopsis bispinosa* Henderson1888. *Latreillopsis bispinosa* Henderson, Rept. Voy. Challenger,
Zool. 27, 22, pl. 2, fig. 3; Alcock, Carc. Faun. India Journ.
Asiat. Soc. Bengal 66 (1899) 166.

Cebu (Challenger), 95 fathoms, blue mud bottom.

Genus *Latreilla* Roux*Latreilla valida* de Haan

1839. *Latreilla valida* de Haan, Faun. Japon. Crust. 407, pl. 30, fig. 1; Henderson, Rept. Voy. Challenger, Zool. 27 (1888) 24; Rathbun, Proc. U.S. N. M. 26:32.

Cebu, 95 fathoms, blue mud bottom Challenger.

Section DROMIDEA

Family DROMIDAE

Genus *Dromia* Fabricius*Dromia* (*Cryptodromia*) *tuberculata* Stimpson

1899. *Dromia* (*Cryptodromia*) *tuberculata* Alcock, Carc. Faun. India Journ. Asiat. Soc. Bengal 68, 141.

Mindoro, Puerto Galera, 0-270. Pabellones, 0-1098.
Luzon, Bataan Province, Mariveles, 0367.

Genus *Cryptodromia* Stimpson*Cryptodromia lateralis* (Gray)

1847. *Dromia verrucosipes* White, List. Crust. Brit. Mus. 55.
1888. *Cryptodromia lateralis* Henderson, Rept. Voy. Challenger Zool. 27, 5.

Philippines (Challenger).

Section OXYSTOMATA

Family RANINIDAE Dana

Genus *Ranina* Lamarck*Ranina dentata* Latreille.

1839. *Ranina dentata* von Siebold, Faun. Japon. Crust. 139, pl. 35 f. 1.

Mindanao, Zamboanga Province, Pinget, Puro, Luzon, Ilocos Sur Prov., Lapog Bay. These crabs inhabit the sandy bottom where they lie buried, like many of the Leucosidae and Calappidae. In Zamboanga where these crabs are caught in considerable numbers, they are considered a delicacy, and are commonly sold in the markets.

Carcinologists differ as to the systematic position of this group. Lamarck¹³ arranged *Ranina* with Hippidae in

¹³ Hist. Nat. Animaux sans Vert. 5 (1818) 218.

a distant section of the family characterized by the lamelated terminal joints of the legs. Henderson¹⁴ recognized the section Raninidea of Dana and placed it under Anomura while Boas placed it with the Brachyura. Miers¹⁵ wrote: "I believe their (Hippidae) true affinities are with the Oxystomatous Brachyura through the Raninidae." Alcock considered the Raninidae as lowest among the oxystomatous crabs.

SUBORDER BRACHYURA

Section OXYSTOMATA or LEUCOSIDEA

Family LEUCOSIDAE

Subfamily LEUCOSINAE Miers

Genus *Leucosia* Fabricius*Leucosia haswelli* Miers

1886. *Leucosia haswelli* Miers, Rept. Voy. Challenger Brachyura 17, 324, pl. 27, fig. 2; Nobili, Ann. Mus. Civ. Sta. Nat. Genova (2) 20 (1899) 251; Calman, Trans. Linn. Soc. (2) 8 (1900) 27; Ihle, Siboga Exped. 85 (1918) 276.

Palawan, Taytay, 0-1207. Mindoro, Mindoro Province, Puerto Galera, 0-1813, Sulu (Siboga).

Leucosia australiensis Miers

1886. *Leucosia australiensis* Miers, Rept. Voy. Challenger, Brachyura 17, 322, pl. 27, fig. 1.

Mindoro, Mindoro Province, Puerto Galera, 0-1402.

Leucosia araniolaris Linnaeus

1764. ? *Cancer craniolaris* Linnaeus, Mus. Lud. Ulricae 431; Herbst, Naturgesch. Krabben u. Krebse 1 (1782) 90, pl. 2, fig. 17.
1798. *Leucosia craniolaris* Fabricius, Entom. Syst. Suppl. 350; Milne Edwards, Hist. Nat. Crust. 2 (1837) 122; Miers, Rept. Voy. Challenger, Brachyura 17 (1886) 325.

Mindoro, Mindoro Province, Puerto Galera, 0-1812. Luzon, Manila Bay, 0218.

¹⁴ Challenger Rept. 27 (1888)

¹⁵ Revision of the Hippidea. Journ. Linn. Soc. Zool. 14

Leucosia cumingi Bell

1855. *Leucosia cumingi* Bell, Trans. Linn. Soc. London 21, 290, pl. 31, fig. 3, Ihle, Decapoda Siboga Exped. Brachyura 85 (1918) 285.

Philippines (Siboga).

Leucosia punctata Bell

1855. *Leucosia affinis* Bell, Trans. Linn. Soc. London 21, 287 pl. pl. 30, fig. 5; Ihle, Decapoda Siboga Exped. Brachyura 85 (1918) 277.
1855. *Leucosia affinis* Bell, Trans. Linn. Soc. London 21, 287 pl. 30, fig. 6.

Philippines (Siboga).

Leucosia brevimana Bell

1855. *Leucosia brevimana* Bell, Trans. Linn. Soc. London 21, 288, pl. 30, fig. 7; Ihle, Decapoda, Siboga Exped. Brachyura 85 (1918) 316.

Philippines (Siboga).

Leucosia perlata de Haan

1850. *Leucosia perlata* de Haan, Faun. Japon 134; de Man, Notes Leyden Mus. 3 (1881) 124; Ortmann, Decapod. Krebse, Strassburg Mus. Zool. Jahrb. Syst. 6 (1892) 584.
1855. *Leucosia pallida* Bell, Trans. Linn. Soc. London 21, 283.
1850. *Leucosia parvimana* Stimpson, Proc. Acad. Nat. Sci. Phila. 150.

Philippines (Bell).

Leucosia marmorea Bell

1918. *Leucosia marmorea* Ihle, Decapoda, Siboga Exped. Brachyura 85, 316.

Philippines (Siboga).

Genus *Philyra* Leach*Philyra platycheir* de Haan

1841. *Philyra platycheir* de Haan, Faun. Japon. Crust. 132.
1855. *Philyra platycheira* Bell, Trans. Linn. Soc. London 21, 300; de Man, Journ. Linn. Soc. London 22 (1888) 201.

Mindoro, Mindoro Province, Puerto Galera, 0-1853, 0-1811.

Genus *Pseudophilypira* Miers*Pseudophilypira wood-masoni* Alcock

1897. *Pseudophilypira wood-masoni* Alcock and Anderson, 111, Zool. Investigator, Crust. pl. 30, fig. 6; Ihle, Decapoda, Siboga Exped. 85 (1918) 269.
Sulu Sea (Siboga).

Genus *Cryptocnemus* Stimpson*Cryptocnemus macrogathus* Ihle

1915. *Cryptocnemus macrogathus* Ihle, Tijdschr. Ned. Dierk. Ver. (2) 14, 60; Ihle, Decapod, Siboga Exped. 85 (1918) 292, fig. 148.

North Ubian, 6°7.5' N latitude, 120°26'0" E longitude (Siboga).

Subfamily ILLINAE

Genus *Myra* Leach*Myra fugax* (Fabricius)

1796. *Leucosia fugax* Fabricius, Entom. Suppl. 351.
1817. *Myra fugax* Leach, Zool. Miscell. 3, 24; Milne Edwards, Hist. Nat. Crust. 2 (1837) 125; de Haan, Faun. Japon. Crust. (1841) 134, pl. 33, fig. 1; Miers, Rept. Voy. Challenger, Brachyura 17 (1886) 313.
1855. *Myra carinata* Bell, Trans. Linn. Soc. London 297, pl. 32, fig. 3.

Luzon? Ilocos Sur Prov., Mindoro, sandy bottom. The specimens were in the collection of the Northern Luzon Junior College (now not existing).

Myra darnleyensis Haswell

1880. *Myra darnleyensis* Haswell, Proc. Linn. Soc. N.S.W. 4, 52, p. 5, fig. 4; Miers, Rept. Voy. Challenger, Brachyura 17 (1886) 315.
1918. *Myra kesilii* Ihle, Decapod. Siboga Exped. III 85, 260.

Dredged from Celebes Sea, south of Mindanao 6°54' No. latitude, 122°18'0" E longitude, 10 fathoms (Challenger).

Genus *Myrodes* Bell*Myrodes eudactylus* Bell

1855. *Myrodes eudactylus* Bell, Trans. Linn. Soc. London 21, 229,

pl. 32, fig. 6; Miers, Rept. Voy. Challenger, Brachyura 17 (1886) 298; Ihle, Decapoda, Siboga Exped. 85 (1918) 262.

1874. *Mira eudaetyla* A. M. Edwards, Nouv. Archiv. Mus. Paris 10, 46, pl. 3, fig. 3.

1879. *Myrodes gigas* Haswell, Proc. Linn. Soc. N. S. Wales 4, 52, pl. 5, fig. 5.

Philippines (Bell).

Genus *Ixa* Leach

Ixa cylindricus var. *magaspis* Adams and White

1843. *Ixa cylindricus* var. *magaspis* Adams and White, Crust. 55, pl. 12, fig. 1; Miers, Rept. Voy. Challenger, Brachyura 17 (1886) 301; Ihle, Decapoda, Siboga Exped. 85 (1918) 285.

Bohol, (Samarang) N-334, locality not indicated.

Genus *Iphiculus* Adams and White

Iphiculus spongiosus Adams and White

1848. *Iphiculus spongiosus* Adams and White, Samarang Crust. 57, pl. 13, fig. 5; Lanchester, Proc. Zool. Soc. London (1900) 766; Stimpson, Smith, Misc. Coll. 49 (1907) 159, pl. 18; Ihle, Decapoda, Siboga Exped. 85 (1918) 252.

Genus *Arcania* Leach

Arcania novemspinosa (Adams and White)

1848. *Iphis novemspinosa* Adams and White, Crust. Samarang 265, pl. 18, fig. 1.

1918. *Arcania novemspinosa* Ihle, Decapoda, Siboga Exped. 85, 265.

Mindoro (Siboga).

Arcania undecimspinosa de Haan

1841. *Arcania undecimspinosa* de Haan, Faun. Japon. Crust. 125, pl. 33, fig. 8; Ihle, Decapoda, Siboga Exped. 85 (1918) 265.

1877. *Arcania granulosa* Miers, Trans. Linn. Soc. London (2) 1, 240, pl. 38, fig. 29.

Sulu Sea (Siboga).

Genus *Heterolithadia* Wood-Mason

Heterolithadia fallax (Henderson)

1893. *Ebatia fallax* Henderson, Trans. Linn. Soc. London (2) 5, 402, pl. 38, figs. 4-6.

1906. *Heterolithadia fallax* Laurie, Rept. Pearl-Oyster Fish. Brachyura 365; Ihle, Decapoda, Siboga Exped. 85 (1918) 254.
Sulu Sea (Siboga).

Subfamily EBALINAE

Genus *Oreophorus* Ruppell
(= *Tlos* Adams and White)

Oreophorus (*Oreotlos*) *angulatus* (Rathbun)

1903. *Tlos angulatus* Rathbun, U.S. Fish Comm. Bul. 889, fig. 42; pl. 16, fig. 5.
1918. *Oreophorus* (*Oreotlus*) *angulatus* Ihle, Decapoda, Siboga Exped. 85, 216.
Sulu Archipelago, Tongkil (Siboga).

Family DORIPPIDAE Dana

Genus *Dorippe* Fabricius

Dorippe quadridens Fabricius¹⁶

1798. *Dorippe quadridens* Fabricius, Suppl. Ent. 361; de Haan, Faun. Japon. Crust. (1841) 121; de Man, Journ. Linn. Soc. London 22 (1888) 206.

Mindoro, Mindoro Province, Puerto Galera, 0-57, 0-1849
Cebu.

Genus *Ethusa* Roux

Ethusa (*ethusina*) *gracilipes* Miers.

1886. *Ethusa gracilipes* Miers, Rept. Voy. Challenger, Brachyura, Zool. 17, 332, pl. 29, fig. 1.

Dredged from a depth of 700 fathoms in 12° 21' N latitude,
122° 15' 0" E longitude.

Family CALAPPIDAE

Subfamily CALAPPINAE Dana

Genus *Calappa* Fabricius

Calappa gallus (Herbst)

1837. *Gallus gallus* de Haan, Crust. Faun. Japon. 70.

¹⁶ These crabs are usually found hooked under the umbrella of a jelly-fish belonging to the Genus *Cassiopea*. The last pair of the legs are placed farther on the dorsal side and are modified for hooking.

1852. *Callapa gallus* Dana, U.S. Explor. Exped. Crust. 13, 393; Miers, Rept. Voy. Challenger, Brachyura 17 (1886) 286; Rathbun, Trans. Linn. Soc. London (2) 14 (1911) 197; Ihle, Decapod. Siboga Exped. 85 (1918) 181.
1859. *Calappa galloides* Stimpson, Ann. Lyc. Nat. Hist. New York 7, 71, var.

Luzon, Bataan Province, Mariveles, 0171.

Calappa philargicus (Linnaeus)

1837. *Calappa cristata* M. Edwards, Hist. Nat. Crust. 2, 105, pl. 20, figs. 1, 2.
1899. *Calappa philargicus* Nobili, Ann. Mus. Civ. Sta. Nat. Genova (2) 20, 249; Ihle, Decapoda Brachyura, Siboga Exped. 85 (1918) 183.

Bohol, Bohol Province, Inabanga, 0172. Luzon, Cagayan Prov. Aparri, Negros, Negros Occidental Prov., Sicaba, Cadiz Nuevo 0288.

Calappa hepatica (Linnaeus)

1852. *Calappa tuberculata* Dana, U.S. Explor. 22, 393; A. M. Edwards Nouv. Archiv. Mus. Hist. Nat. k0 (1874) 55.
1861. *Calappa hepatica* Herklots, Symbalae Carcin 25; Miers, Rept. Voy. Challenger, Brachyura 17 (1886) 235; Borradaile, Faun. Geog. Maldive and Laccad. Archipelago, pt. 4, 1 (1903) 456; Ihle, Decapoda, Siboga Exped. 85 (1918) 183.

Sulu, Sitankay, 0176. Basum, Sulu Prov. 0178, Luzon, Quezon Prov. Polilio, 0181, Sulu Archipelago, Sanguisiapo (Siboga); 0-1268 locality not indicated.

Family MATUTIDAE

Genus *Matuta* Fabricius

Matuta victrix Fabricius

1798. *Matuta victor* Fabricius, Entom. Syst. Suppl. 369; M. Edwards, Hist. Nat. Crust. 2 (1837) 115 pl. 20, figs. 3-6.
1877. *Matuta victrix* Miers, Trans. Linn. Soc. (2) 1, 243, pl. 39, figs. 1-3; Rept. Voy. Challenger, Brachyura 17 (1886) 295.

Palawan, Iwahig, 0-25. Luzon, Manila Bay, 0185. Mindoro, Mindoro Prov. Calapan, 0187. Negros, Occid. Negros Prov., Cadiz Nuevo, Sicaba, 0227. Mindanao, Zamboanga Prov. Challenger 10-20 fathoms.

Matuta banksii Leach

1877. *Matuta banksii* Miers, Trans. Linn. Soc. (2) 1, 245, pl. 40, figs. 1, 2; Miers, Rept. Voy. Challenger, Brachyura 17 (1886) 295; Borradaile, Faun. Geog. Maldive and Laccad. Archipel. p. 41 (1903); Ihle, Decapoda, Siboga Exped. 85 (1918) 185.
1877. *Matuta picta* Miers, Trans. Linn. Soc. (2) 1, 246, pl. 40, figs. 5-7.
1877. *Matuta obtusifrons* Miers, Trans. Linn. Soc. (2) 1, 247.
- Palawan, Iwahig, 0-339. Leyte, Leyte Prov., Dulag, 0183. Bantayan, Cebu Province, 0184. Mindanao, Zamboanga (Challenger) 10 fathoms.

Matuta lunaris (Forsk.)

1877. *Matuta maculata* Miers, Trans. Linn. Soc. (2) 1, 246, pl. 40, figs. 3, 4.
1881. *Matuta victrix maculata* de Man, Notes Leyden, Mus. 3, 110116.
1892. *Matuta victrix crebrepunctata* de Man, Weber's Zool. Ergebn. einer Reise in Niederl. Ost.-Indien 2, 351.
1905. *Matuta lunaris* Stebbing, Mar. Invert. S. Africa 4, 54; Laurie, Brachyura, Rept. Pearl-Oyster Fish 5 (1906); Ihle, Decapoda, Siboga Exped. 85 (1918) 185.
- Luzon, Rizal Prov., Pasay, 0186, Negros, Occidental Negros Prov. Cadiz Nuevo, 0226.

Section CYCLOMETOPA or CANCROIDEA¹⁷

Family CORYSTIDAE

(EURYALIDAE Rathbun)

Genus *Gomezia* Gray*Gomezia bicornis* Gray

1831. *Gomezia bicornis* Gray, Zool. Miscell. 89; Miers, Rept. Voy. Challenger, Brachyura, Zool. 17 (1886) 212.

¹⁷ Alcock divided this section into five families, and arranged them in the descending order as follows:

- | | |
|---|---------------|
| 1. Telphusidae (Potamonidae of other authors) | |
| 2. Xanthidae | 4. Cancridae |
| 3. Portunidae | 5. Corystidae |

According to him, the Corystidae are the lowest Cyclometops and have the same relative position to the higher families of the section as the Raninidae have to the higher families of the section Oxystomata.

According to Rathbun, the family should be Euryalidae, because the genus from which it was established, *Euryala* Weber, 1793, takes precedence of *Corystes* Latreille, 1802, both having the same type. Proc. Biol. Soc. Wash. 17 (1904) 17.

1835. *Corystes* (*Eidea vigintispinosa*) de Haan, in v. Siebold, Fauna Japon. 44, pl. 2, fig. 5.

1874. *Gomezia vigintispinosa* A. M. Edwards, Nouv. Archiv. Mus. Hist. Nat. 10, 52, pl. 3, fig. 5.

Cebu, 0-1774. Mindoro, Mindoro Prov. Puerto Galera. The Challenger specimen was collected south of Mindanao in 6°54'0" N. latitude, 122°18'0" E longitude, from a depth of 10 fathoms.

Family PORTUNIDAE¹⁸

Subfamily LUPINAE Alcock

(= THALAMITINAE Rathbun)

Genus *Charibdis* de Haan

(= *Goniosoma* A. M. Edwards)

Charibdis (*Goniosoma*) *miles* (De Haan)

1841. *Portunus* (*Charibdis*) *miles* de Haan, Fauna Japon. Crust. p. 41, pl. 11, fig. 1.

1861. *Goniosoma miles* A. M. Edwards, Archiv. de Mus. 10, 378.

1899. *Charibdis* (*Goniosoma*) *miles* Alcock, Carc. Fauna. India Journ. Asiat. Soc. Bengal 8, 62.

Palawan, Taytay, 0-1445.

Charibdis (*Goniosoma*) *natator* (Herbst)

1796. *Cancer natator* Herbst, Krabben II, 5, 156, pl. 40, fig. 1.

1861. *Goniosoma natator* A. M. Edwards Archiv. du Mus. 10, 370, 385.

1899. *Charibdis* (*Goniosoma*) *natator* Alcock, Carc. Faun. India Journ. Asiat. Soc. Bengal 68, 61.

Palawan, Taytay, 0-1443. Luzon, Sorsogon Province, Bulan, 0-20 Mindoro, Mindoro Province, Calapan, 0262.

Charibdis rivers-andersoni Alcock.

1899. *Charibdis* (*Goniosoma*) *rivers-andersoni* Alcock Carc. Fauna. India, Journ. Asiat. Soc. Bengal 68, 53.

Palawan, Taytay, 0-1766. Luzon, Bataan Prov. Mariveles, 0-457.

Charibdis (*Goniosoma*) *crucifera* (Fabricius)

1790. *Cancer sexdentatus* Herbst, Krabben pl. 7, fig. 53.

¹⁸ Alcock divided this family into four sub-families: Carcininae, Portuninae, Caphyrinae and Lupinae. "The Carcininae by way of *Carcinus* approach the Xanthidae by way of *Hoplozanthus*."

1798. *Portunus crucifer* Fabricius, Ent. Syst. Suppl. 364.
 1852. *Charybdis crucifera* Dana, U.S. Explor. Exped. Crust. 1, 286,
 pl. 17, fig. 11a-c; Alcock, Carc. Faun. India, Journ. Asiat.
 Soc. Bengal 68 (1899) 51.
 1861. *Goniosoma crucifera* A. M. Edwards, Archiv. du Mus. 10,
 371, 385.

Palawan, Taytay, 0-1237. Luzon, Rizal Prov. Malabon,
 0121; Ilocos Sur Province; Ilocos Norte Province.

Charybdis (Goniosoma) merguiensis de Man

1888. *Goniosoma merguiensis* de Man, Journ. Linn. Soc. Zool. 22,
 82, pl. 5, figs. 3, 4.
 1893. *Goniosoma helleri* Henderson, Trans. Linn. Soc. Zool. (2) 5
 375.
 1899. *Charybdis (Goniosoma) merguiensis* Alcock, Carc. Faun.
 India Journ. Asiat. Soc. Bengal 68, 54.

Mindoro, Mindoro Province, Puerto Galera, 0-1788; Calapan,
 0232; Samar, Samar Prov., Catbalogan, 0123; Luzon,
 Rizal Prov. Malabon 0124; Manila, Farola, 0125; Negros,
 Occid. Neg. Prov. Sicaba, 0247.

Charybdis (Goniosoma) anisodon (de Haan)

1873. *Goniosoma anisodon* A. M. Edwards, Nouv. Archiv. Mus.
 Hist. Nat. Paris 9, 167; Ortmann, Zool. Jahrb. Syst. 7
 (1874) 83.

Bought from the markets in Manila, 0-32. This species is
 considered one of the conspicuous links between *Charybdis* and
Thalamita.

Charybdis (goniohellenus) ornata A.M. Edwards

1841. *Thalamita truncata* de Haan, Faun. Japon Crust. p. 43, pl.
 2, fig. 3.
 1858. *Charybdis truncata* Stimpson, Proc. Acad. Nat. Sci. Phila.
 39.
 1861. *Goniosoma ornatum* A. M. Edwards, Archiv. du Mus. 10, 376.
 1899. *Charybdis (Goniohellenus) ornata* Alcock, Carc. Faun. India,
 Journ. Asiat. Soc. Bengal 68, 64.

Luzon, Bataan Province, Mariveles, 0234.

Genus *Thalamita* Latreille, A.M. Edwards

Thalamita stimpsoni A.M. Edwards

1861. *Thalamita stimpsoni* A. M. Edwards, Archiv. du Mus. 10, 362,
 pl. 35, fig. 4; Miers, Rept. Voy. Challenger, Brachyura 17

(1886) 198; Alcock, *Carc. Faun. India, Journ. Asiat. Soc. Bengal* 68 (1899) 79.

Mindoro, Mindoro Prov. Puerto Galera, 0-1713, 0-1789.
Mindanao, Zamboanga Province (Challenger) from a reef
at a depth of 10 fathoms.

Thalamita wood-masoni Alcock

1899. *Thalamita wood-masoni* Alcock, *Carc. Faun. India, Journ. Asiat. Soc. Bengal* 68, 90.

Mindoro, Mindoro Province, Puerto Galera, 0-1797.

Thalamita investigatoris Alcock

1899. *Thalamita investigatoris* Alcock, *Carc. Faun. India, Journ. Asiat. Soc. Bengal* 68, 85.

Mindoro, Mindoro Province, Puerto Galera, 0-1784.

Thalamita admeta (Herbst)

1799. *Cancer admeta* Herbst, *Krabben*, III, 3, 40, pl. 58, fig. 1.

1861. *Thalamita savignyi*, A. M. Edwards, *Archiv. du Mus.* 10, 357;
Henderson, *Trans. Linn. Soc. Zool.* (2) (1893) 372.

1899. *Thalamita admeta* Alcock, *Carc. Faun. India. Journ. Asiat. Soc. Bengal* 68, 82.

Palawan, Taytay, 0-1776; Mindoro, Mindoro Prov., Calapan, 0156; Negros, Occid. Negros Prov., Sicaba, Cadiz Nuevo, 0241.

Thalamita danae Stimpson

1852. *Thalamita crenata* Dana, *U.S. Explor. Exped. Crust.* 1, 282,
pl. 17, figs. 7a-b.

1858. *Thalamita danae* Stimpson, *Proc. Acad. Nat. Sci. Phila.* 39,
Alcock, *Carc. Faun. India Journ. Asiat. Soc. Bengal* 68
(1899) 77.

Palawan, Taytay, 0-1446. Mindoro, Mindoro Prov., Calapan, 0150; Leyte, Leyte Prov., Polillo, 0153; Bantayan, Cebu Prov. 0155.

Thalamita crenata (Latreille)

1893. *Thalamita prymna* var. *crenata* Richters, in *Mobius Meereaf Maurit.* p. 153.

1888. *Thalamita crenata* de Man, *Journ. Linn. Soc. London* 22, 79;
Alcock, *Carc. Faun. India, Journ. Asiat. Soc. Bengal* 68
(1899) 76.

Jolo, 0-1557. Samar, Samar Prov. Borongan, 0-136; Panay, Capiz Prov., Iloilo Prov., 0-147; Barotac Nuevo 0146. Negros, Oriental Negros Province, Tanjay, 0148.

Thalamita prymna (Herbst)

1799. *Cancer prymna* Herbst, Krabben, III, 3: 41, pl. 52, fig. 2.
 1852. *Thalamita crassimana* Dana, Proc. Acad. Nat. Sci. Phila. 85; Stimpson, Proc. Acad. Nat. Sci. Phila. (1858-59) 39.
 1899. *Thalamita prymna* M. Edwards, Hist. Soc. Bengal 68, 78.
 Mindanao, Apo Reef, 0-453. Luzon, Cavite Prov. 0-972.
 Mindoro, Mindoro Prov., Calapan, 0153. Negros Occid. Negros Province, Cadiz Nuevo, Sicaba, 0-242.

Thalamita integra Dana

1852. *Thalamita integra* Dana, Proc. Acad. Nat. Sci. Phila. 6, 85; Henderson, Trans. Linn. Soc. Zool. (2) 5 (1893) 373; Alcock, Carc. Faun. India, Journ. Asiat. Soc. Bengal 68 (1899) 85.
 Negros, Occid. Negros Prov., Cadiz Nuevo, Sicaba, 0-244.

Thalamita spinimana Dana

1852. *Thalamita spinimana* Dana, U.S. Explor. Exped. Crust. 1, 283; pl. 17, fig. 8; A. M. Edwards, Archiv. de Mus. Hist. Nat. 10 (1861) 364; de Man, Journ. Linn. Soc. London 22 (1888) 76, pl. 4, fig. 7.
 Mindoro, Mindoro Prov., Calapan, 0154. Mactan, Cebu Prov. 0160.

Genus *Thalamitoides*, A.M. Edwards

Thalamitoides tridens A.M. Edwards

1869. *Thalamitoides tridens* A. M. Edwards, Nouv. Archiv. Mus. Nat. Hist. Paris 5, 149, pl. 6, figs. 1-7; de Man, Notes Leyden Mus. 3 (1881) 99; Ortmann, Decapod Krebse Strassburger Mus. Zool. Jahrb. 7 (1894)
 1880. *Hedrophthalmus thalamitoides* Naucks, Zeitschr. f. Wiss. Zool. 34.

Philippines (Nauck).

Genus *Neptunus* de Haan

Neptunus pelagicus Linnaeus

1841. *Neptunus pelagicus* de Haan, Faun. Japon. Crust. p. 37, pls. 9, 10. Alcock, Carc. Faun. India Journ. Asiat. Soc. Bengal 68 (1899) 34.

1802. *Portunus cedo-nuli* Bosc. Hist. Nat. Crust. 1:221.

Luzon, Cavite Prov., San Roque, 0-1759; Manila Bay, 0-1770; Rizal Prov., Malabon, 0128; Panay, Iloilo Prov., Molo, 0131; Dumangas 0132; Bantayan, Cebu Prov. 0134; Jolo, Sitankay 0127.

One of the most common crabs sold in Philippine markets.

Neptunus sanguinolentus (Herbst)

1790. *Cancer sanguinolentus* Herbst, Krabben 1, 161, pl. 8, figs. 56, 57.

1787. *Cancer pelagicus* Fabricius, Mant. Ins. 1:318.

1841. *Neptunus sanguinolentus* de Haan, Fauna Japon. Crust. p. 38, Alcock, Carc. Faun. India, Journ. Asiat. Soc. Bengal 68 (1899) 32.

Luzon, Camarines Sur Prov., Lake Buhi, 0135; Bohol, Inabanga 0136.

Neptunus (Achelous) orbicularis Richters

1893. *Achelous orbicularis* Richters, in Mobius, Meerest. Maurit. p. 153, pl. 16, figs. 14-15; Henderson, Trans. Linn. Soc. Zool (2) 5, 371.

1899. *Neptunus (Achelous) orbicularis* Alcock, Carc. Faun. India Journ. Asiat. Soc. Benga. 68, 47.

Mindoro, Mindoro Province, Puerto Galera, 0-549, Jolo, 0-1769.

Neptunus (Hellenus) hastatoides (Fabricius)

1798. *Portunus hastatoides* Fabricius, Ent. Syst. Suppl. p. 368.

1841. *Amphitrite hastatoides* de Haan, Faun. Japon. Crust. p. 39, pl. 1, fig. 2.

1799. *Cancer hastatus* Herbst, Krabben, III 3: 3, pl. 55, fig. 1.

1899. *Neptunus (Hellenus) hastatoides* Alcock, Carc. Faun. India Journ. Asiat. Soc. Bengal 68, 38.

Luzon, Bataan Province, Mariveles, 0235.

Neptunus xanthusii (Stimpson)

1860. *Achelous xanthusii* Stimpson, Ann. Lyc. Nat. Hist. New York 7, 222, pl. 39, fig. 1; Holmes, Occas. Papers Cal. Acad. Sci. (1900) 71.

Mindoro, Puerto Galera, 0-196.

Neptunus (Amphitrite) rugosus A. M. Edwards

1861. *Neptunus rugosus* A. M. Edwards, Archiv. Mus. Hist. Nat. 10, 335. pl. 33, fig. 3.
 1886. *Neptunus (Amphitrite) rugosus* Miers, Rept. Voy. Challenger, Brachyura, Zool. 17, 176.

Dredged during the Challenger Expedition in 11°37'0" N latitude, 123° 31' 0" E longitude, 18 fathoms, blue mud bottom.

Neptunus (Amphitrite) spinipes Miers

1886. *Neptunus (Amphitrite) spinipes* Miers, Rept. Voy. Challenger Brachyura, Zool. 17, 175.
 1899. *Neptunus (Hellenus) spinipes* Alcock, Carc. Faun. India Journ. Asiat. Soc. Bengal 68, 39.

Dredged 11°37'0" North latitude, 123°21'0" East longitude, 18 fathoms, blue mud bottom (Challenger).

Neptunus (Achelous) granulatus (Milne Edwards).

1834. *Lupa granulata* M. Edwards, Hist. Nat. Crust. 1, 454.
 1837. *Portunus (Amphitrite) gladiator* de Haan (not Fabr.) Crust. v. Siebold. Faun. Japon. 65, pl. 18, fig. 1.
 1861. *Achelous granulatus* A. M. Edwards, Archiv. Mus. Hist. Nat. 10, 344.
 1886. *Neptunus (Achelous) granulatus* Miers, Rept. Voy. Challenger, Brachyura, Zool. 17, 180; Ortmann, Decapod. Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1894) 72.

Cebu (Thallwitz); Mindanao, Zamboanga Prov. (Challenger) 10 fathoms.

Neptunus (Amphitrite) tenuipes de Haan

1882. *Neptunus (Amphitrite) tenuipes* Haswell, Cat. Austral. Crust. 83; Thallwitz, ABH. Mus. Dresden (1891) 3, pl. 48; Ortmann, Decapod. Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1894) 74.

Cebu (Thallwitz).

Neptunus (Neptunus) pelagicus var. *trituberculatus* Miers

1876. *Neptunus (Neptunus) pelagicus* var. *trituberculatus* Miers, Ann. Nat. Hist. (4) 17, 221; Ortmann, Decapod. Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1894) 74.

Philippines (Challenger); Manila (Heller).

Genus *Scylla* de Haan*Scylla serrata* (Forsk.)

Cancer serratus Forskal, Descript. Anim. p. 90.

1841. *Scylla serrata* de Haan, Faun. Japon. Crust. p. 44; Stimpson, Proc. Acad. Nat. Sci. Phila. (1868) 38; Alcock, Carc. Faun. India Journ. Asiat. Soc. Bengal 68 (1899) 27.
1852. *Scylla tranquebarica* Dana, U.S. Explor. Exped. Crust. 1, 270.

Mindoro, Mindoro Province, Puerto Galera, 0-1312, Palawan, Taytay, 0-1102, Luzon, Manila Bay, 0140; Cagayan Prov., Aparri, 0143; Camarines Sur Province, Calabanga, 0145. Panay, Iloilo Province, Dumangas, 0144.

These crabs grow to considerable size and constitute the most valuable edible species. They are widely distributed, but abound especially in places where there are extensive mangrove swamps.

Scylla serrata var. *paramamosain* Estampador

1949. *Scylla serrata* var. *paramamosain* Estampador, Studies on Scylla (Crustacea; Protunidae) Part 1 Revision of the Genus, Phil. Journ. Sci. Vol. 78 No. 1, p. 104, pl. 3, fig. 2.

Scylla oceanica (Dana)

1852. *Scylla tranquebarica* var. *oceanica* Dana, U.S. Explor. Exped. Crust. 1: Stimpson, Smith, Misc. Collection 49 (1907) 75.
1949. *Scylla oceanica* Estampador, Studies on Scylla (Crustacean: Portunidae) Part 1, Revision of the Genus, Phil. Journ. Sci. Vol. 78, No. 1, pp. 101-103, pl. 1, fig. 2.

Scylla tranquebarica (Fabricius) Dana

1880. *Portunus serratus* Ruppel, Krabben die rathen Meeres, p. 19, pl. 2, fig. 1.
1834. *Lupea tranquebarica* Milne-Edwards, Hist. Nat. Des. Crust. 1, 448.
1850. *Scylla serrata* de Haan, Faun. Japonica, Crust. 44; Krauss, Sudafr. Crust. p. 25.
1852. *Scylla tranquebarica* Dana, U.S. Explor. Exped. Crust. 1, 270 pl. XVI fig. 6; Stimpson, Acad. Nat. Sci. Phila. (1858) 38; Stimpson, Smith. Misc. Collection 49 (1907) 75.
1949. *Scylla tranquebarica* Estampador, Studies on Scylla (Crustacean: Portunidae) Part I. Revision of the Genus, Phil. Journ. Sci. Vol. 78, No. 1, p. 103, pl. 3, fig. 1.

NOTE: The genus *Scylla* is split into three (3) species and one (1) variety:

Based on some external differences by the peculiarities in the form and physical constitution of their chromosomes and by the differences in the modes of spermeiogenesis and ookinesis, the writer raised var. *oceanica* (Stimpson) to the rank of a species distinct from *S. tranquebarica*. Similarly, the latter is also considered as separate species from *S. serrata*—these two were regarded by other carcinologists as synonyms. The variety *paramamosain* is tentatively placed under *S. serrata*.

Philippine distribution: Very widely distributed throughout the Philippine marine and brackish waters. They abound in fish ponds and are considered the most valuable commercial crabs.

Subfamily CARCININAE

Genus *Lissocarcinus* Adams and White

Lissocarcinus laevis Miers

1886. *Lissocarcinus laevis* Miers, Rept. Voy. Challenger, Brachyura, Zool. 17, 205, pl. 17, fig. 3.

Dredged south of Mindanao, at 6°54'0" north latitude, 122°18'0" east longitude, 10 fathoms.

Lissocarcinus boholensis Semper (ined) and Nauck

1886. *Lissocarcinus boholensis* Miers, Rept. Voy. Challenger, Brachyura, Zool. 17, 206.

Philippines, possibly Bohol, (Challenger).

Subfamily PODOPTHALMINAE¹⁹

Genus *Podophthalmus* Lamarck

Podophthalmus vigil (Fabricius)

1798. *Portunus vigil* Fabricius, Entom. Syst. Suppl. 363.

1815. *Podophthalmus vigil* Leach, Zool. Miscell. 2, 149, pl. 116; A. M. Edwards, Archiv. Mus. Hist. Nat. 10 (1861) 420; Miers, Rept. Voy. Challenger, Brachyura, Zool. 17 (1886) 207; Ortmann, Decapod. Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1894) 87.

Bantayan, Cebu Province, Hagnayan, 0138.

Occasionally sold in Manila markets.

¹⁹ Some authors placed the Podophthalminae as a subfamily under Portunidae while others, like Ortmann, recognized it as distinct.

Family XANTHIDAE²⁰

Subfamily XANTHINAE

Alliance CARPILOIDEA

Genus *Carpilius* Leach, Desmarest, A. M. Edwards*Carpilius maculatus* Linnaeus1767. *Cancer maculatus* Linnaeus, Syst. Nat. 12: 10421705. *Cancer rubber* Rumphius, Amboinische Rariteitkamer, p. 18, pl. 10, fig. 1.1886. *Carpilius maculatus* Miers, Rept. Voy. Challenger, Brachyura, Zool. 17, 111; Alcock, Carc. Faun. India, Journ. Asiat. Soc. Bengal 67 (1898-99) 79.

Mindoro, Mindoro Province, Puerto Galera, 0-1642; Calapan 0097. Luzon, Ilocos Sur Province, Ilocos Norte Province.

Widely distributed in the Philippines commonly found in rocky bottom.

Carpilius convexus (Forsk.)— . *Cancer convexus* Forskal, Descript. Anim. p. 88.1790. *Cancer adpersus* Herbst, Krabben 1, 264, pl. 21, fig. 1.1830. *Carpilius convexus* Ruppell, 24 Krabben roth Meer. p. 13, pl. 3, fig. 2; pl. 6, fig. 6; Alcock, Carc. Faun. India, Journ. Asiat. Soc. Bengal 67 (1898-99) 80.Mindoro, Mindoro Province, Calapan, 0096. Silonay, 0-1532
Luzon, Ilocos Sur Province; Ilocos Norte Province.
Of wide distribution.Genus *Carpilodes* Dana, A. M. Edwards*Carpilodes bellus* (Dana)1852. *Actaeodes bellus* Dana, Proc. Acad. Nat. Sci. Phila. 78; U.S. Explor. Exped. Crust. 13 (1852) 196, pl. 11, fig. 2.1865. *Actaea bella* A. M. Edwards, Nouv. Archiv. Mus. Hist. Nat. 1, 261.1886. *Carpilodes bellus* Miers, Rept. Voy. Challenger, Brachyura, Zool. 17, 134.

Mindanao, from the beach at Zamboanga Province (Challenger).

²⁰ This family is divided into seven subfamilies:

- | | |
|----------------|----------------|
| 1. Actaeinae | 4. Menippinae |
| 2. Chlorodinae | 5. Piliumninae |
| 3. Xanthinae | 6. Oziinae |
| | 7. Eriphiinae |

Genus *Liomera* Dana*Liomera cinctimana* (White)

1847. *Carpilius cinctimanus* White, in Juke's Voy. H.M.S. "Fly" 2: 336, pl. 2, fig. 3.
1851. *Liomera cinctimana* Dana, Siliman's Journ. (2) 75; Alcock, Carc. Faun. India, Journ. Asiat. Soc. Bengal 67 (1898-99) 88.
1880. *Carpilodes cinctimanus* Miers, Ann. Mag. Nat. Hist. (5) 5, 234.

Mindoro, Mindoro Province, Puerto Galera, 0-166.

Alliance ZOZYMOIDEA

Genus *Lophozozymus* A.M. Edwards*Lophozozymus octodentatus* M. Edwards

1834. *Xantho octodentatus* M. Edwards, Hist. Nat. Crust. 1: 398. *Cancer saxatilis* Rumphius, Amboinische Rareiteitk. pl. 9; pl. 5, fig. m.
1899. *Lophozozymus octodentatus* Alcock, Carc. Faun. India, Journ. Asiat. Soc. Bengal 67, 106.

Palawan, Taytay, 0-1050.

Genus *Lophactea* A. M. Edwards*Lophactea granulosa* (Ruppell).

1880. *Xantho granulosa* Ruppell, 24 Krabben roth. Meer. p. 24, pl. 5, fig. 3.
1841. *Aegle granulosa* de Haan, Faun. Japon. Crust. p. 17 (name only).
1852. *Atergatis limbatus* Dana, U.S. Explor. Exped. Crust. pt. 1.
1894. *Lophactea granulosa* Ortmann, Decapod. Krebse Strassburger Mus. Zool. Jahrb. Syst. 7, 459; Alcock, Carc. Faun. India, Journ. Asiat. Soc. Bengal 67 (1898-99) 101.

Bantayan, Cebu Province, 0-244. Sulu Sea (Dana).

Genus *Lophopanopeus* Rathbun*Lophopanopeus bellus* (Stimpson)

1860. *Xantho bella* Stimpson, Ann. Lyc. Nat. Hist. New York 7, 204, pl. 3, fig. 2.
1876. *Xanthodes hemphillii* Lockington, Proc. Calif. Acad. Sci. 7, 32.
1879. *Lophozanthus bellus* A. M. Edwards, Crust. Reg. Mex. 257 (part), pl. 46, figs. 4-4c.

1886. *Lophozosymus (Lophozanthus) bellus* Miers, Rept. Voy. Challenger, Brachyura 17, 115.
 1930. *Lophopanopeus bellus* Rathbun, U.S.N.M. Bul. 152, 320, pls. 150-151.

The tag number is badly eaten up, and the place is not indicated.

Lophopanopeus frontalis (Rathbun)

1893. *Lophozosymus (Lophozanthus) frontalis* Rathbun, Proc. U.S.N.M. 16, 236.
 1900. *Lophozanthus frontalis* Holmes, Occas. Papers California Acad. Sci. 7, 64, pl. 1, figs. 5, 6.
 1930. *Lophopanopeus frontalis* Rathbun, U.S.N.M. Bull. 152, 323, pl. 152.

Palawan, Taytay, 0-1024.

Genus *Atergatopsis* A. M. Edwards

Atergatopsis signata (Adams and White)

1848. *Carpilius signatus* Adams and White, Zool. Voy. "Samarang" Crust. pl. 10, fig. 1.
 1866. *Atergatopsis signatus* A. M. Edwards, Nouv. Archiv. Mus. Paris, Hist. Nat. 1, 253; Rathbun, Marine Brachyura, Trans. Linn. Soc. London, Zool. 14: 214.

Pabellones, Mindoro Province, Puerto Galera, 0-1756.

Genus *Atergatis* de Haan, A. M. Edwards

Atergatis floridus (Rumphius).

1705. *Cancer floridus* Rumphius, Amboinisch, Rariteitkamer p. 16, pl. 7, fig. 5.
 1841. *Atergatis floridus* de Haan, Faun. Japon. Crust. p. 46, Miers Rept. Voy. Challenger, Brachyura, Zool. 17 (1886) 112; Alcock? Carc. Faun. India, Journ. Asiat. Soc. Bengal 67 (1898-99) 98.

Polillo, Quezon Province, 0090. Dinagat, Surigao Province, 0091. Siasi, Sulu Province, 0092. Mindoro, Mindoro Province, Calapan, 0094. Cebu (Challenger) from a reef.

Atergatis integerrimus var. *typica* Ortmann.

1834. *Cancer integerrimus* M. Edwards, Hist. Nat. Crust. 1, 374.
 1847. *Atergatis subdivisus* White, Proc. Zool. Soc. London 15, 224; Adams and White, Zool. Voy. Samarang (1848) 38, pl. 8, fig. 3.

1852. *Atergatis intergerrimus* Dana, U.S. Explor. Exped. Crust. 158.

1894. *Atergatis intergerrimus* var. *typica* Ortmann, Decapod. Krebse Strassburg Mus. Zool. Jahrb. Syst. 7, 462.

Mindoro, Mindoro Province, Puerto Galera, 0-1744, Calapan, 0095. Negros, Occidental Negros Province, Sicaba, Cadiz Nuevo, 0329.

Alliance XANTHOIDEA

Genus *Xantho* Leach

Xantho (Leptodius) cavipes (Dana)

1852. *Chlorodius cavipes* Dana, Proc. Ann. Nat. Sci. Phila. 79.

1888. *Leptodius cavipes* de Man, Journ. Linn. Soc. Zool. 22, 34.

1899. *Xantho (Leptodius) cavipes* Alcock, Carc. Faun. India, Journ. Asiat. Soc. Bengal 67, 122.

Mindoro, Mindoro Province, Puerto Galera, 0-1851.

Xantho bidentatus A.M. Edwards

1867. *Xantho bidentatus* A. M. Edwards, Ann. Soc. Ent. France (4) 7, 266; Miers, Rept. Voy. Challenger, Brachyura, Zool. 17 (1886); 126, pl. 11, fig. 4; Alcock, Carc. Fauna, India, Journ. Asiat. Soc. Bengal 67 (1898) 114.

Leyte, Leyte Province, Cabalian, 0119. Mindanao, Zamboanga Province (Challenger).

Xantho (Leptodius) nudipes (Dana)

1852. *Chlorodius nudipes* Dana, Proc. Ann. Nat. Sci. Phila. 79.

1873. *Leptodius nudipes* A. M. Edwards, Nouv. Archiv. de Mus. 9, 225.

1894. *Xantho exaratus* var. *nudipes* Ortmann, Zool. Jahrb. Syst. 7, 447.

1899. *Xantho (leptodius) nudipes* Alcock, Carc. Faun. India, Journ. Asiat. Soc. Bengal 67, 121.

Sitanki, Sulu Province, 0105.

Xantho (Leptodius) exaratus (M. Edwards)

1834. *Chloridius exaratus* M. Edwards, Hist. Nat. Crust. 1: 402: 71.

1841. *Xantho affinis* de Haan, Faun. Japon. Crust. p. 48, pl. 13, fig. 8.

1868. *Leptodius exaratus* A. M. Edwards, Nouv. Archiv. de Mus. 4, 71.

1899. *Xantho (Leptodius) exaratus* Alcock, Carc. Faun. India, Journ. Asiat. Soc. Bengal 67.

Bantayan, Cebu Province, 0-6.

Xantho lamarckii Milne Edwards

1834. *Xantho lamarckii* Milne Edwards, Hist. Nat. Crust. 1, 391. Ortmann, Decapod. Krebse Strassburger, Mus. Zool. Jahrb. Syst. 7 (1894) 448.
1847. *Xantho cultrimanus* White, Proc. Zool. Soc. London 15, 225; Adams and White, Zool. Voy. Samarang Crustacea (1850) 39.
1852. *Xanthodes granosomannus* Dana, U.S. Explor. Exped. Crust. 175, pl. 8, fig. 10.
1878. *Xanthodes lamarckii* A. M. Edwards, Nouv. Archiv. Mus. Hist. Nat. Paris 9, 200, pl. 7, fig. 8.

Philippines (Adams and White).

Genus *Leptodius* A. M. Edwards

Leptodius exaratus var. *sanguineus* Miers.

1834. *Chlorodius Sanguineus* M. Edwards, Hist. Nat. Crust. 1, 402; Dana, U.S. Explor. Exped. Crust. 13 (1852) 207; pl. 11, fig. 11.
1877. *Leptodius exaratus* var. *sanguineus* Miers, Proc. Zool. Soc. London, 134, et synonyma; Miers, Rept. Voy. Challenger, Brachyura, Zool. 17, (1886) 138.

From the beach of Zamboanga, Mindanao (Challenger).

Subfamily ETISINAE Ortmann

Genus *Etisus* Milne Edwards

Etisus utilis Lucas.

1853. *Etisus utilis* Lucas, in Jacquinot, Voy. Australave, Crust. 3, 27, pl. 2, fig. 6; A. M. Edwards, Nouv. Archiv. Mus. Paris (1873) 233; Alcock, Carc. Faun. India, Journ. Asiat. Soc. Bengal 67 (1898-99) 130.

Mindoro, Mindoro Province, Puerto Galera, 0-388.

Etisus laevimanus Randall

1839. *Etisus laevimanus* Randall, Journ. Acad. Nat. Sci Phila .8, 115; Dana, U.S. Explor. Exped. Crust. (1852) 185, pl. 10, fig. 1; Hilgendorf, Mon.-Ber. Ak. Wiss, Berlin (1878) 791; Ortmann, Zool. Jahrb. 7 (1894) 473.

Philippines (Hilgendorf).

Genus *Etisodes* Dana*Etisodes anaglyptus* M. Edwards

1834. *Etisus anaglyptus* Milne Edwards, Hist. Nat. Crust. 411; de Man, Notes Leyden Mus. 13 (1891) 7.
 1882. *Etisodes anaglyptus* Haswell, Cat. Austral. 55; Ortmann, Decapod. Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1894) 471.

Philippines (Miers).

Subfamily ACTAEINAE

Genus *Actaea* de Haan, A. M. Edwards*Actaea tomentosa* (M. Edwards)

1834. *Zozymos tomentous* M. Edwards, Hist. Nat. Crust. 1, 385.
 1865. *Actaea tomentosa* H. M. Edwards, Nouv. Archiv. du Mus. 262; Alcock, Carc. Fauna, India, Journ. Asiat. Soc. Bengal 57 (1898-99) 140.
 1852. *Actaeaodes tomentosus* Dana, U.S. Explor. Exped. Crust. 1, 197; Miers, Rept. Voy. Challenger, Brachyura, Zool. 17 (1886) 135.

Comiran, Palawan, 0089.

Actaea suffuscula Rathbun

1911. *Actaea suffuscula* Rathbun, Trans. Linn. Soc. London, Zool. 14, 220.

Mindoro, Mindoro Province, Puerto Galera, 0-1138.

Actaea hirsutissima (Ruppell)

1880. *Xantho hirsutissimus* Ruppell, 24 Krabben roth Meer. p. 26, pl. 5, fig. 6.
 1852. *Actaea hirsutissima* de Haan, Faun. Japon. Crust. p. 18; Dana, U.S. Explor. Exped. 1, 164.
 1899. *Actaea hirsutissima* Alcock, Carc. Faun. India, Journ. Asiat. Soc. Bengal 67, 144.

Comiran, Palawan Province, 0088.

Actaea ruppellii (Kraus)

1843. *Aegle ruppellii* Kraus, Sud.-Afrik. Crust. 28, pl. 1, fig. 1.
 1850. *Aegle rugata* Adams and White, Zool. Voy. Samarang 43, pl. 8, fig. 5; Miers, Ann. Mag. Nat. Hist. (5) 5 (1880) 232.
 1865. *Actaea ruppellii* A. M. Edwards, Nouv. Archiv. Mus. Hist. Nat. Paris 1, 270; Ortmann, Decapod. Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1894) 454.

Locality not indicated, 0-839.

Subfamily CHLORODINAE

Alliance CHLORODIOIDA

Genus *Chlorodius* A. M. Edwards*Chlorodius niger* (Forsk.)

— *Cancer niger* Forskal, Descript. Anim. p. 89.

1830. *Chlorodius niger* Ruppell, 24 Krabben roth. Meer p. 20, pl. 4, fig. 7; pl. 6, fig. 14; Dana, U.S. Explor. Exped. Crust. (1852) 216, pl. 12, fig. 5.

1848. *Chlorodius hirtipes* White, P.Z.X. 226; Adams and White, Zool. Voy. Samarang, Crust. (1848) 40, pl. 11, fig. 4.

Comiran, Palawan Province, 0100. Siasi, 0101. Sulu Sea (Dana).

Genus *Chlorodopsis* A. M. Edwards*Chlorodopsis pilumnoides* (White)

1848. *Chlorodius pilumnoides* White P.Z.X. 226; White, Ann. Mag. Nat. Hist. (2) 2 (1848) 286; Adams and White, Zool. Voy. Samarang, Crust. (1848) 41, pl. 9, fig. 3.

1888. *Chlorodopsis pilumnoides* de Man, Journ. Linn. Soc. Zool. 22, 34; Ortmann, Zool. Jahrb. Syst. 7 (1893-94) 470; Alcock, Carc. Faun. India, Journ. Asiat. Soc. Bengal 67 (1898-99) 167.

Comiran, Palawan Province, 0102. Locality not indicated, 0-1755.

Genus *Phymodius* A.M. Edwards*Phymodius ungulatus* (M. Edwards)

1834. *Chlorodius ungulatus* M. Edwards, Hist. Nat. Crust. 1, 400, pl. 16, figs. 6-8, Dana; U.S. Explor. Exped. Crust. (1852) 205, pl. 11, fig. 8.

1850. *Chlorodius areolatus* Adams and White, Zool. Voy. Samarang, Crust. 41, pl. 11, fig. 3.

1873. *Phymodius ungulatus*, A. M. Edwards, Nouv. Archiv. Mus. Paris 9, 218; Haswell, Cat. Austral. Crust. (1882) 59.

1886. *Phymodius monticulosus* Miers, Rept. Voy. Challenger, Brachyura, Zool. 17 (1886) 139; Alcock, Carc. Faun. India, Journ. Asiat. Soc. Bengal 67 (1898-99) 163.

Comiran, Palawan Province, 0099. Mindanao, Zamboanga Province (Challenger).

Alliance XANTHODIOIDA

Genus *Xanthodes* Dana*Xanthodes depressus* White

1886. *Xanthodes depressus* Miers, Rept. Voy. Challenger, Brachyura, Zool. 17, 127.

Subfamily MENIPPINAE

Alliance MENIPPIOIDA

Genus *Menippe* de Haan*Menippe convexa* Rathbun

1893. *Menippe convexa* Rathbun, Proc. U.S.N.M. 16, 239; Rathbun, Brachyura and Macrura of Hawaiian Islands (1906) 861.
Locality not indicated, 0-1557.

Subfamily OZIINAE

Alliance OZIOIDA

Genus *Epixanthus* Heller*Epixanthus dentatus* (White)

1847. *Panopeus dentatus* White, P.Z.S. 226.
1858. *Heteropanope dentatus* Stimpson, Proc. Acad. Nat. Sci. Phila. 35.
1880. *Epixanthus dentatus* Miers, Ann. Mag. Nat. Hist. (5) 5, 35; Ortmann, Zool. Jahrb. Syst. 7 (1894) 478; Alcock, Carc. Fauna, India, Journ. Asiat. Soc. Bengal 67 (1898-99) 185.

Palawan, Malapaya Sound, 0-1025.

Epixanthus frontalis (Milne Edwards).

1866. *Ozius frontalis* Heller, Novara, Crust. p. 20; Ortmann, Decapod, Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1894) 477; Alcock, Carc. Fauna, India, Journ. Asiat. Soc. Bengal 67 (1898-99) 185.

Mindoro, Mindoro Province, Puerto Galera, 0-1790.

Alliance RUPELLIOIDA

Genus *Baptozius* Alcock*Baptozius vinosus* (Milne Edwards).

1834. *Ruppellia vinosus* Milne Edwards, Hist. Nat. Crust. 1, 422.
1892. *Euruppellia vinosus* de Man, in Weber's Zool. Engeb. Niederl. Ost.-Ind. 2, 278, pl. 1, fig. 1.

1899. *Baptozius vinosus* Alcock, Carc. Fauna, India, Journ. Asiat. Bengal 67, 189.

Mindoro, Mindoro Province, Puerto Galera, 0-749, 0-1778.
Quite common under stones at the edges of marshy swamps.

Subfamily PILUMNINAE

Alliance PILUMNOIDA

Genus *Pilumnus* Leach

Pilumnus orbitospinis Rathbun

— . *Pilumnus orbitospinis* Rathbun, Trans. Linn. Soc. London, Zool. 14; 229.

Luzon, Albay Prov., Legaspi, 0-971. Samar, Samar Prov., Catbalogan 0-992.

Pilumnus vespertilio (Fabricius)

1798. *Cancer vespertilio* Fabricius, Ent. Syst. 2: 463, and Suppl. p. 338.

1850. *Pilumnus ursulus* Adams and White, Zool. Voy. Samarang, Crust. 45, pl. 9, fig. 6.

1873. *Pilumnus vespertilio* A. M. Edwards, Nouv. Archiv. Mus. 9, 242; Henderson, Trans. Linn. Soc. Zool. (2) 5 (1893) 365; Alcock, Carc. Fauna India, Journ. Asiat Soc. Bengal 67 (1898-99) 192.

Mindoro, Mindoro Province, Puerto Galera, 0-194; Calapan, 0109 Bantayan, Cebu Province, 0-208, Luzon, Bataan Province, Mariveles, 0-284; Ilocos Sur Province.

One of the commonest littoral crabs on rocky shores.

Pilumnus gemmatus Stimpson

1860. *Pilumnus gemmatus* Stimpson, Ann. Lyc. Nat. Hist. New York 7, 214; Rathbun, U.S.N.M. Bul. 152 (1930) 513, pl. 207, figs. 1-3.

Samar, Samar Province, Catbalogan, 0107.

Pilumnus de haani Miers

1886. *Pilumnus de haani* Miers, Rept. Voy. Challenger, Brachyura, Zool. 17, 155, pl. 14, fig. 1; Alcock, Carc. Fauna, India, Journ. Asiat. Soc. Bengal 67 (1898-99) 198.

Dredged at 11° 37' 0" north latitude, 23° 31' 0" east longitude, from depth of 18 fathoms in mud bottom (Challenger).

Pilumnus spinohirsutus (Lockington)

1876. *Acanthus spino-hirsutus* Lockington, Proc. Calif. Acad. Sci. 33.

1877. *Pilumnus spinohirsutus* Streets and Kingley, Bul. Essex Inst. 9, 107 (part); Rathbun, U.S.N.M. Bul. 152 (1930) 503, pl. 208.

Samar, Samar Province, Catbalogan, 0-905.

Pilumnus scabriusculus Adams and White

1848. *Pilumnus scabriusculus* Adams and White, Crust. Zool. Samarang, 44, pl. 9, fig. 5; Miers, Rept. Voy. Challenger, Brachyura, Zool. 17 (1886).

Jolo, 0-1758. Mindanao, Zamboanga Province.

Subfamily ERIPHINAE²¹

Alliance ERIPHIOIDA

Genus *Eriphia* Latreille*Eriphia spinofrons* (Herbst).

1834. *Eriphia spinifrons* M. Edwards, Hist. Nat. Crust. 1, 426; Atlas Cuvier Regn. Anim. (1849) pl. 14, fig. 1; Ortmann, Decapod. Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1874) 479.

Negros, Oriental Negros Province, Zamboanguita, 0103.

Eriphia scabricula Dana

1843. *Eriphia gonggra* Kraus, Sud-Afrik. Crust. 36.

1852. *Eriphia scabricula* Dana, U.S. Explor. Exped. Crust. 247, pl. 14, fig. 5; A. M. Edwards, Nouv. Archiv. Mus. Paris 9 (1873) 256; Ortmann, Decapod. Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1894) 480.

Sulu Sea (Dana).

Eriphia laevimana Latreille

1834. *Eriphia laevimana* M. Edwards, Hist. Nat. Crust. 1, 427; Dana, U.S. Explor. Exped. Crust. (1852) 249, pl. 14, fig. 7; Hilgendorf, Decken's Reise Bd. 3, 1 (1869) 75; Ortmann, Decapod. Krebse Strassburger Mus. Zool. Syst. 7 (1894) 480.

1865. *Eriphia trapeziformis* Hess, Decapod. Krebse Ost. Austral. 9, pl. 6, fig. 4.

²¹ In the Oziinae and Eriphiinae, the family Xanthidae approaches the Telphusidae (Potamonidae); by the Pilumninae and Xanthinae it is linked with the section Carciniae of the Portunidae and, through these, with the Cancridae. Alcock.

Genus *Trapezia* Latreille(= *Grapsilus* MacLeay)*Trapezia cymodoce* (Herbst)

1799. *Cancer cymodoce* Herbst, Krabben u. Krebse III, pl. 51, fig. 5.
 1873. *Trapezia dentata* A. M. Edwards, Nouv. Archiv. Mus. Hist. Nat. 9, 261, p. 9.
 1886. *Trapezia cymodoce* Miers, Rept. Voy. Challenger, Brachyura, Zool. 17, 166; de Man, Journ. Linn. Soc. 22 (1888) 69.

Mindoro, Mindoro Province, Puerto Galera 0-1763. Mindanao, Zamboanga Province (Challenger) from a reef. These are coral crabs.

Trapezia cymodoce var. *dentata* Dana

1852. *Trapezia dentata* Dana, U.S. Explor. Exped. Crust. 258, pl. 15, figs. 6, 7.
 1852. *Trapezia ferruginea* Dana, U.S. Explor. Exped. Crust. 260, pl. 16, fig. 1.
 1853. *Trapezia miniata* Jacquinet et Lucas, Voy. Pole Sud-Zool. Crust. 3, 43, pl. 4, fig. 10.
 1894. *Trapezia cymodoce* var. *dentata* Ortmann, Decapod. Krebse Srtassburger Mus. Zool. Jahrb. Syst. 7, 483.

Sulu Sea (Dana).

Trapezia areolata Dana

1852. *Trapezia areolata* Dana, U.S. Explor. Exped. Crust. 259, pl. 15, figs. 8, 9.
 1858. *Trapezia reticulata* Stimpson, Proc. Acad. Nat. Sci. Phila. 37.
 1873. *Trapezia areolata* var. *inermis* A. M. Edwards, Nouv. Archiv. Mus. Paris 9, 259, pl. 10, fig. 6.

Mindoro, Mindoro Province, Puerto Galera, 0-1764. Sulu Sea (Dana).

Trapezia rufopunctata (Herbst)

1799. *Cancer rufopunctata* Herbst, Krabben 3, 54, pl. 47, fig. 6.
 1886. *Trapezia rufopunctata* Miers, Rept. Voy. Challenger, Brachyura, Zool. 17, 167; Alcock, Care. Fauna, India, Journ. Asiat. Soc. Bengal 67 (1898-99) 222.

Mindoro, Mindoro Province, Puerto Galera 0-529, 0-1712, 0-1762. Mindanao, Zamboanga Province, (Challenger) 10 fathoms.

Genus *Quadrella* Dana*Quadrella coronata* Dana

1852. *Quadrella coronata* Dana, U.S. Explor. Exped. Crust. 266, pl. 16, fig. 5; Ortmann, Zool. Jahrb. Syst. 10 (1898) 210.

1889. *Quadrella nitida* Smith, Proc. Boston Soc. Nat. Hist. 12, 288; Lockington, Proc. Acad. Calif. Sci. 7 (1876) 105.

Sulu Sea (Dana).

Family POTAMONIDAE²²

(= TELPHUSIDAE)

Genus *Potamon* Savigni

(= *Telphusa* Latreille)

Potamon (*Paratelphusa*) *grapsoides* (Milne Edwards)

1847. *Telphusa grapsoides* White, List. Crust. Brit. Mus. 30, Milne Edwards, Ann. Sci. Nat. Zool. (3) (1853) 212; de Man, Journ. Linn. Soc. London 22 (1887) 96; Burger, Zool. Jahrb. Syst. 5 (1895) 2.

1856. *Telphusa hydrodromus* Gerstaecker, Arch. f. Naturg. 22, 1, 150, part.

1898. *Potamon grapsoides* de Man, Ann. Mus. Civ. Stor. Nat. Genova (2) 19, 436.

1904. *Potamon* (*Potamon*) *grapsoides* Rathbun, Nouv. Archiv. de Mus. IV 6, 300, pl. 13, fig. 9.

These crabs are abundant in Luzon, Laguna Province, Los Baños, Molawin Creek; San Juan River, Calamba, and in regions around Laguna Bay. The specimen in the collection of the Goettinger Museum came from Lake Mainit.

Potamon (*Telphusa*) *angustifrons* M. Edwards

1869. *Telphusa angustifrons* A. M. Edwards, Nouv. Archiv. Mus. Hist. Nat. Paris 5, 171; Burger, Zool. Jahrb. Syst. 8 (1895) 3, pl. 1, fig. 1.

Negros, Oriental Negros Province, Luzuriaga, 0161.

Potamon (*Telphusa*) *sinuatifrons* (M. Edwards)

1853. *Telphusa sinuatifrons* M. Edwards, Ann. Sci. Nat. III Zool. 20, 211; A. M. Edwards, Nouv. Archiv. Mus. Hist. Nat. 5 (1869) 177, pl. 10, fig. 2; Miers, Ann. Mag. Nat. Hist. V 5 (1880) 305; Rept. Voy. Challenger, Brachyura, Zool.

²² "The Telphusidae are the highest Cyclometopes, and approach the Catometopa. They appear to me from consideration both of structure and habitat, to have branched off from the Oziinae or Eriphiinae stocks, but are now inhabitants of fresh water or damp jungle."

Alcock, Journ. Asiat. Soc. Bengal 65.

17 (1886) 214, pl. 18, fig. 1; Burger, Zool. Jahrb. Syst. 8 (1895) 2.

Mindanao, Pasonanca (Challenger). Locality not indicated, 0167. The Goettinger Zoological Museum has three specimens collected from the Philippines.

Potamon (Telphusa) leschenaulti (M. Edwards)

1869. *Telphusa leschenaulti* A. M. Edwards, Nouv. Archiv. Mus. Hist. Nat. Paris 5, 165, pl. 8, fig. 3; Burger, Zool. Jahrb. Syst. 8 (1895) 2.

Bohol (Burger).

Potamon (Telphusa) philippina Martens

1869. *Telphusa philippina* Martens, Monatsber. K. Preuss. Ak. Wiss. Berlin 609; Burger, Zool. Jahrb. Syst. 8 (1895) 4, pl. 1, fig. 3.

Luzon, Agno River, Palanan; Bataan Province, Mariveles, Camiguin.

Potamon (Telphusa) montana Burger

1895. *Telphusa montana* Burger, Zool. Jahrb. Syst. 8, 6, pl. 1, fig. 5.

Burger's specimen came from Mount Data, Luzon, from an altitude of 7000 ft.

Potamon (Parathelphusa) tridentata (Milne Edwards)

1853. *Parathelphusa tridentata* Milne Edwards, Ann. Sci. Nat. (3) Zool. 20, 213; Milne Edwards, Archiv. Mus. Paris 7 (1854-55) 171, pl. 13, fig. 1; Ortmann, Decapod. Krebsz. Strassburger Mus. Zool. Jahrb. Syst. 7 (1874) 487.

Locality not indicated, 0169.

Potamon (Telphusa) laevis Wood-Mason

Luzon, Camarines Sur Province, Lake Buhi, 0166.

Pseudotelphusa angulata Rathbun.

1915. *Pseudotelphusa angulata* Rathbun, Proc. Biol. Soc. Wash. 28, 98; Pearse, Proc. U.S.N.M. 49 (1915) 552, pl. 72, figs. 1-5.

Mindoro, Mindoro Province, Puerto Galera, 0-1863.

From under boulders at the head of Tabinay Creek.

Section CATOMETOPA
Family GONEPLACIDAE Dana
Subfamily CARCINOPLACINAE

Genus *Carcinoplax* Milne Edwards

Carcinoplax bispinosa Rathbun

1914. *Carcinoplax bispinosa* Rathbun, Proc. U.S.N.M. 48, 137.
North of Marinduque. Luzon, Tayabas light (outer), 90 fathoms. (Albatross).

Carcinoplax spinosissima Rathbun

1914. *Carcinoplax spinosissima* Rathbun, Proc. U.S.N.M. 48, 139.
Between Cebu and Bohol. Cebu, Lauis Point, 165 fathoms (Albatross).

Carcinoplax confragosa Rathbun

1914. *Carcinoplax confragosa* Rathbun, Proc. U.S.N.M. 48, 140.
Between Cebu and Bohol. Bohol, Cruz Point, 127 fathoms (Albatross).

Carcinoplax purpurea Rathbun

1914. *Carcinoplax purpurea* Rathbun, Proc. U.S.N.M. 140.
Near Marinduque. Luzon, Quezon Light (outer) 90 fathoms (Albatross).

Carcinoplax angusta Rathbun

1914. *Carcinoplax angusta* Rathbun, Proc. U.S.N.M. 48, 142.
Near Marinduque, Luzon, Quezon Light (outer), 90 fathoms (Albatross).

Carcinoplax verdensis Rathbun

1914. *Carcinoplax verdensis* Rathbun, Proc. U.S.N.M. 48, 143.
Verde Island Passage. Sombrero, 394 fathoms (Albatross).

Carcinoplax specularis Rathbun

1914. *Carcinoplax specularis* Rathbun, Proc. U.S.N.M. 48, 143.
Off southern Luzon: Sombrero, 159 fathoms (Albatross).

Genus *Psopheticus* Wood-Mason

Psopheticus hughi Rathbun

1914 *Psopheticus hughi* Rathbun, Proc. U.S.N.M. 48, 144.

Northern Mindanao, Macabalan Point, 200 to 220 fathoms (Albatross).

Subfamily GONEPLACINAE

Genus *Goneplax* Leach

Goneplax renoculis Rathbun

1914. *Goneplax renoculis* Rathbun, Proc. U.S.N.M. 48, 145.

Off southern Luzon, Malavatuan, 80 to 102 fathoms (Albatross).

Subfamily RHIZOPINAE

Genus *Ceratoplax* Stimpson

Ceratoplax fulgida Rathbun

1914. *Ceratoplax fulgida* Rathbun Proc. U.S.N.M. 48, 146.

Near Marinduque, Luzon, Quezon Light (outer), 83 fathoms (Albatross).

Ceratoplax truncatifrons Rathbun

1914. *Ceratoplax truncatifrons* Rathbun, Proc. U.S.N.M. 48, 147.

Off Western Samar. Badian, 32 fathoms (Albatross).

Genus *Typhlocarcinus* Stimpson

Typhlocarcinus carterifer Rathbun

1914. *Typhlocarcinus craterifer* Rathbun, Proc. U.S.N.M. 48, 147.

East of Masbate. Destacado, 80 fathoms (Albatross).

Genus *Hepthopelta* Alcock

Hepthopelta apta Rathbun

1914. *Hepthopelta apta* Rathbun, Proc. U.S.N.M. 48, 148.

Between Cebu and Bohol, Luis Point Light, 175 fathoms (Albatross).

Genus *Chasmocarcinus* Rathbun

Chasmocarcinus cavimanus Rathbun

1914. *Chasmocarcinus cavimanus* Rathbun, Proc. U.S.N.M. 48, 149.

Tanon Strait, east of Negros. Pescador, 300 fathoms. (Albatross).

Subfamily TYPHLOCARCINOPSINAE

Genus *Typhlocarcinops* Rathbun*Typhlocarcinops descrescens* Rathbun

1914. *Typhlocarcinops descrescens* Rathbun, Proc. U.S.N.M. 48, 151.
Sulu Archipelago, Tawitawi Group Tinakta, 16 fathoms
(Albatross).

Typhlocarcinops marginata Rathbun

1914. *Typhlocarcinops marginata* Rathbun, Proc. U.S.N.M. 48, 152.
Off southern Palawan, Thirtieth of June, 27 fathoms (Albatross).

Typhlocarcinops angustifrons Rathbun

1914. *Typhlocarcinops angustifrons* Rathbun, Proc. U.S.N.M. 48 153.
Between Marinduque and Luzon, San Andreas, 59 fathoms
(Albatross).

Typhlocarcinops ocellaria Rathbun

1914. *Typhlocarcinops ocellaria* Rathbun, Proc. U.S.N.M. 48, 153.
Between Samar and Masbate, Destacado, Tubig Point, 135
fathoms (Albatross).

Family GRAPSIDAE

Subfamily GRAPSINAE

Genus *Grapsus* Lamarck, Kingsley*Grapsus grapsus* (Linnaeus)

1758. *Cancer grapsus* Linnaeus, Syst. Nat. ed. 10, 1, 630.
1835. *Grapsus (Goniopsis) pictus* de Haan, Fauna Japon. Crust. 33
1853. *Grapsus ornatus* Milne Edwards, Ann. Sci. Nat. 111 Zool.
20, 167.
1900. *Grapsus grapsus* Alcock, Carc. Fauna India, Journ. Asiat.
Soc. Bengal 69, 392.

Mindoro, Mindoro Province, Puerto Galera, 0-1742. Luzon, Cavite Province, San Roque, 0-1743. Palawan, Taytay, 0-1342.

Grapsus strigosus (Herbst)

1799. *Cancer strigosus* Herbst, Krabben, III 1: 55, pl. 47, fig. 7.
1835. *Goniopsis strigosus* de Haan, Fauna Japon. Crust. 33.

1886. *Grapsus strigosus* Miers, Rept. Voy. Challenger, Brachyura Zool. 17, 256; Alcock, Carc. Faun. India, Journ. Asiat. Soc. Bengal 69 (1900) 393.

Luzon, Ilocos Norte Province, Banua, 0048. Mindoro, Mindoro Province, Calapan, 0049.

Genus *Metopograpsus* Milne Edwards

Metopograpsus messor (Forsk.)

— . *Cancer messor* Forskal, Descript. Anim. in itin. Oriend. p. 88.

1837. *Grapsus messor* M. Edwards, Hist. Nat. Crust. 2, 88.

1900. *Metopograpsus messor* Alcock, Carc. Fauna India, Journ. Asiat. Soc. Bengal 69, 397.

Luzon, Rizal Province, Pasay, 0-43.

Metopograpsus latifrons (White)

1847. *Grapsus latifrons* White, Jukes' Voy. "Fly" 2, 337, pl. 2, fig. 2.

1853. *Metopograpsus latifrons* H. M. Edwards, Ann. Sci. III 20, 253; Ortmann, Zool. Jahrb. Syst. 7 (1894) 703; Tesch, Decapod. Siboga Exped. 82 (1918) 81.

1879. *Metopograpsus pictus* de Man, Notes Leyden Mus. 1, 68.

Dinagat, Surigao Province, 0050.

Metopograpsus maculatus H. M. Edwards

1853. *Metopograpsus maculatus* H. M. Edwards, Ann. Sci. Nat. III 20, 165; de Man, Journ. Linn. Soc. London 22 (1888) 145; pl. 10, figs. 1, 3.

Luzon, Bataan Province, Orani, 0051.

Genus *Geograpsus* Stimpson

Geograpsus lividus (Milne Edwards)

1837. *Grapsus lividus* Milne Edwards, Hist. Nat. Crust. 2, 85.

1860. *Geograpsus occidentalis* Stimpson, Ann. Lyc. Nat. Hist. New York 7, 230.

1916. *Geograpsus lividus* Rathbun, U.S.N.M. Bul. 97, 232, pl. 55.

Locality not indicated, 0047.

Subfamily SESARMINAE Dana

Genus *Sesarma* Say

Sesarma bidens (de Haan)

1835. *Grapsus (Pachysoma) bidens* de Haan, Fauna Japon Crust. 60, pl. 16, fig. 4.

1869. *Sesarma bidens* A. M. Edwards, Nouv. Archiv. Mus. 5; Burger, Zool. Jahrb. Syst. 7 (1893) 628; Alcock, Carc. Fauna India, Journ. Asiat. Soc. Bengal 69 (1900) 415.

Luzon, Manila, from an estero, 0-203; Camarines Sur Province, Calabanga, 0061; Panay, Capiz Province, 0060.

Sesarma taeniolata White

1847. *Sesarma taeniolatum* White, List. Crust. Brit. Mus. 38; Alcock, Carc. Fauna India, Journ. Asiat. Soc. Bengal 69 (1900) 419.

1853. *Sesarma moderi* Milne Edwards, Ann. Sci. Nat. Zool. (2) 20, 185.

Mindoro, Mindoro Province, Puerto Galera, 0-404. Mac-tan, Cebu Province, 0072. Sulu, Sulu Province, Paticul, 0076. Panay, Iloilo Province, Dumangas, 0077. Luzon, Manila (Burger).

Sesarma (Parasesarma) molucense jamelense Rathbun

1907. *Sesarma (Parasesarma) molucense jamelense* Rathbun, Proc. U.S.N.M. 81.

Palawan, Taytay, 0-1200, from brackish water.

Sesarma (Sesarma) bidentatum Benedict

1892. *Sesarma bidentatum* Benedict, John Hopkins Univ. Circ. 11, 77.

1916. *Sesarma (Sesarma) bidentatum* Rathbun, U.S.N.M. Bul. 97, 295, pl. 80.

Seycheles, Mindoro Province, 0-1495.

Sesarma dussumieri M. Edwards

1853. *Sesarma dussumiere* M. Edwards, Ann. Sci. Nat. 20, 185; de Man, Journ. Linn. Soc. London 22 (1888) 177, pl. 12, figs. 8-12.

Panay, Iloilo Province, La Paz, 0062.

Sesarma aubryi A.M. Edwards

1869. *Sesarma aubryi*, A. M. Edwards, Nouv. Archiv. Mus. Hist. Nat. 5; Miers, Proc. Zool. Soc. (1877) 137; de Man, Journ. Linn. Soc. London 22 (1888) 168.

Mindoro, Mindoro Province, Calapan, 0059.

Sesarma livida A.M. Edwards

1888. *Sesarma livida* de Man, Journ. Linn. Soc. London 22, 179.

1917. *Sesarma (Chiromantes) livida* Tesch, Zool. Med. Mus. Leiden 3, 169.

Mactan, Cebu Province, 0063.

Sesarma (Sesarma) palawense Rathbun

1917. *Sesarma (sesarma) palawensis* Tesch, Zool. Med. Mus. 3, 183, pl. 16, fig. 2.

Mactan, Cebu Province, 0067. Panay, Iloilo Province, Barotac Nuevo, 0068.

Sesarma (Sesarma) mindanaoense Rathbun

1915. *Sesarma (Sesarma) mindanaoense* Rathbun, Proc. U.S.N.M. 47, 75.

Leyte, Leyte Prov., Cabalian, 0064. Negros, Negros Oriental Prov. Dumaguete River, 0065. Jolo, Sulu Province, Paticul, 0066.

Sesarma (Sesarma) vicentense Rathbun

1910. *Sesarma (Sesarma) vicentense* Rathbun, Proc. U.S.N.M. 47. Luzon, Port. San Vicente, Palani, off northern Luzon.

Sesarma (Sesarma) edwardsi philippinensi Rathbun

1910. *Sesarma (Sesarma) edwardsi philippinensi* Rathbun, Proc. U.S.N.M. 47.

Busuanga, Palawan Province, Pangauran River, Port Caltom.

Sesarma (Sesarma) tectum Rathbun

1910. *Sesarma (Sesarma) tectum* Rathbun, Proc. U.S.N.M. 47. Palani, off Northern Luzon, Port San Vicente.

Sesarma (Parasesarma) dumacense Rathbun

1910. *Sesarma (Parasesarma) dumacense* Rathbun, Proc. U.S.N.M. 47, 80.

Luzon, Dumaca River.

Sesarma (Parasesarma) pangauranense Rathbun

1910. *Sesarma (Parasesarma) pangauranense* Rathbun, Proc. U.S.N.M. 47.

Busuanga, Pangauran River, Port Caltom.

Sesarma trapezoidae Guerin.

1887. *Sesarma trapezoidea* de Man, Zool. Jahrb. Syst. 2, 654;

Zool. Jahrb. Syst. 4 (1889) 426, pl. 9 fig. 7; pl. 10, fig. 8;
Ortmann, Decapod. Krebse Strassburger Mus. Zool. Jahrb.
5 Syst. 7 (1894) 719.

Philippines (Ortmann).

Sesarma meinerti De Man

1837. *Sesarma tetragona* Milne Edwards, Hist. Nat. Crust. 2,
73; A. M. Edwards, Nouv. Archiv. Mus. Paris 9 (1873)
304.
1887. *Sesarma meinerti* de Man, Zool. Jahrb. Syst. 2, 648; Bur-
ger, Zool. Jahrb. Syst. 7 (1893) 617; Ortmann, Decapod.
Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1894) 721.

Bohol, (Burger).

Sesarma edwardsi de Man

1887. *Sesarma edwardsi* de Man, Zool. Jahrb. 2, 649; Journ. Linn.
Soc. London, 22 (1888) 185. pl. 13, figs. 1-4; Burger, Zool.
Jahrb. Syst. 7 (1893) 617, var. Ortmann, Decapod. Krebse
Strassburger Mus. Zool. Jahrb. Syst. 7 (1894) 721.

Sesarma smithi Milne Edwards

1885. *Sesarma smithi* Milne Edwards, Archiv. Mus. Paris 7, 149,
pl. 9, fig. 2; A. Milne Edwards, Nouv. Archiv. Mus. Paris
9 (1873) 305; de Man, Zool. Jahrb. 2 (1887) 852; Burger,
Zool. Jahrb. 7 (1893) 618, pl. 21, fig. 2; Ortmann, Decapod.
Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1894) 722.

Manila (Burger)

Sesarma impressa Milne Edwards

1837. *Sesarma impressa* Milne Edwards, Hist. Nat. Crust. 2, 74;
Milne Edwards, Ann. Nat. Sci. (3) Zool. 20 (1853) 186;
de Man, Zool. Jahrb. 2 (1887) 653, 671; Burger, Zool. Jahrb.
7 (1893) 620, pl. 21, figs. 4, 5; Ortmann, Decapod. Krebse
Strassburger Zool. Jahrb. Syst. (1894) 723.
1865. *Sesarma sinilis* Hess, Decapod. Krebse Ost. Austral. 24; Has-
well, Cat. Austral. Crust. (1882) 108.

Luzon, Bataan Province, Mariveles, 2,000 ft. above sea
level (Burger). The place is probably Mariveles.

Sesarma ungulata Milne Edwards

1888. *Sesarma ungulata* de Man, Journ. Linn. Soc. 22, 168.
Philippines.

Sesarma oblonga De Man

1888. *Sesarma oblonga* de Man, Journ. Linn. Soc. 22, 189.
Philippines.

Genus *Metasesarma* Milne Edwards*Metasesarma rousseauxi* Milne Edwards

1887. *Sesarma aubryi* de Man, Archiv. f. Naturg. Jg. 53, 1, 372;
de Man, Zool. Jahrb. 4 (1887) 661.
1889. *Metasesarma rousseauxi* de Man, Zool. Jahrb. 4, 439; Ort-
mann, Decapod. Krebse Strassburger Mus. Zool. Jahrb.
7, (1894) 717.

Luzon (Ortmann).

Genus *Helice* de Haan*Helice latreillei* Milne Edwards

1837. *Cyclograpsus latreillei* Milne Edwards, Hist. Nat. Crust. 2,
80.
1852. *Helice latreillei* Milne Edwards, Ann. Sci. Nat. 18, 190; Miers,
Rept. Voy. Challenger, Brachyura 17 (1886) 268, pl. 21,
fig. 2.

Zamboanga, Zamboanga Province, from a reef, 10 fathoms
(Challenger).

Genus *Ptychognathus* Stimpson*Ptychognathus guijulugani* Rathbun

1910. *Ptychognathus guijulugani* Rathbun, Proc. U.S.N.M. 47, 71;
Tesch, Decapoda, Brachyura, Siboga Exped. 82 (1918) 93,
pl. 4, fig. 6.

Luzon, Bataan Province, Mariveles, 0-1434. Mindoro, Min-
doro Province, Puerto Galera, n-106. Leyte, Leyte Prov-
ince, Bombon, 0057.

Ptychognathus johannae Rathbun

- . *Ptychognathus johannae* Rathbun, Proc. U.S.N.M. 46, 354, pl.
30.

Luzon, Bataan Province, Mariveles, 0-1434; Mindoro, Min-
doro Province, Puerto Galera, 0-1740.

Ptychognathus barbatus A.M. Edwards

1873. *Gnathograpsus barbatus* A. M. Edwards, Nouv. Archiv.
Mus. 9, 316, pl. 17, fig. 4.

1894. *Ptychognathus barbatus* Ortmann, Zool. Jahrb. Syst. 7, 712;
Alcock, Carc. Fauna. India, Journ. Asiat. Soc. Bengal
69 (1900) 406.

Luzon, Batangas Province, Bombon Lake, 0054.

Subfamily PLAGUSINAE Dana

Genus *Plagusia* Latreille

Plagusia depressa (Fabricius)

1775. *Cancer depressus* Fabricius, Syst. Entom. 406.
1802. *Grapsus depressus* Bosch, Hist. Nat. Crust. 1, 203.
1815. *Plagusia depressa* Say, Journ. Acad. Nat. Sci. Phila. 1, 100;
Rathbun, U.S.N.M. Bul. 97 (1918) 532, pl. 101.
Luzon, Bataan Province, Mariveles, 0-952, 0-975, 0-953;
Albay Province, Legaspi; Cavite Province, Looc.

Plagusia depressa var. *squamosa* (Herbst)

1790. *Cancer squamosa* Herbst, Krabben 1, 260, pl. 20, fig. 113.
1873. *Plagusia squamosa* A. M. Edwards, Nouv. Archiv. Mus. 9,
298.
1878. *Plagusia tuberculata* Miers, Ann. Mag. Nat. Hist. (5) 1,
148; de Man, Notes Leyden Mus. 5 (1888) 168.
1853. *Plagusia depressa* Milne Edwards, Ann. Sci. Nat. Zool. (3)
20, 179.
1858. *Plagusia orientalis* Stimpson, Proc. Acad. Nat. Sci. Phila.
103.
1900. *Plagusia depressa* var. *squamosa* Alcock, Carc. Fauna In-
dia, Journ. Asiat. Soc. Bengal 69, 437.
Luzon, Bataan Province, Mariveles, 0-154.

Plagusia immaculata Lamarck

1818. *Plagusia immaculata* Lamarck, Hist. Nat. Anim. sans Vert.
5, 247; Haswell, Cat. Austral. Crust. (1882) 110; Miers,
Rept. Voy. Challenger, Brachyura, Zool. 17 (1888) 273,
pl. 22, fig. 1; Ortmann, Decapod. Krebse Strassburger
Mus. Zool. Jahrb. Syst. 7 (1874) 730.

Philippines (Miers).

Genus *Percnon* Gistel

Percnon gibbesi (Milne Edwards)

1853. *Acanthopus gibbesi* Milne Edwards, Ann. Sci. Nat. II Zool.
20, 180.
1878. *Leiolephus planissimus* Miers, Ann. Mag. Nat. Hist. V 1, 153;
Alcock, Carc. Fauna India, Journ. Asiat. Soc. Bengal 69
(1900) 439.

1900. *Percnon planissimum* Rathbun, Proc. U.S.N.M. 22, 281.
 1918. *Percnon gibbesi* Rathbun, U.S.N.M. Bull. 97, 337, pl. 105.
 Mindoro, Mindoro Province, Puerto Galera, 0-1407. Luzon, Bataan Province, Mariveles; Cavite Province, Looc.

Family GEOCARCINIDAE Dana

Genus *Cardisoma* Latreille

Cardisoma carnifex (Herbst)

1794. *Cardisoma carnifex* Herbst, Krabben etc. 2, 163, pl. 12, figs. 1, 2.
 1894. *Cardisoma quanhum* var. *carnifex* Ortmann, Zool. Jahrb. Syst. 7, 735.
 1900. *Cardisoma carnifex* Alcock, Carc. Fauna India, Journ. Asiat. Soc. Bengal 69, 445.

Negros, Occidental Negros Province, 0-122. Palawan, Taytay, 0-1326, Balabac, 0084. Dinagat, Surigao Province 0083.

Cardisoma hirtipes Dana

1852. *Cardisoma hirtipes* Dana, U.S. Explor. Exped. Crust. 376, pl. 24, fig. 2; Milne Edwards, Ann. Soc. Nat. (3) Zool. 20 (1853) 205; Alcock, Carc. Fauna India, Journ. Asiat. Soc. Bengal 69 (1900) 447.
 1867. *Discoplax longipes* A. M. Edwards, Ann. Soc. Entom. France (4) 7, 284; A. M. Edwards, Nouv. Archiv. Mus. Paris 4 (1873) 294, pl. 15.

Locality not indicated.

Genus *Gecarcoidea* Milne Edwards

Gecarcoidea lelandii Milne Edwards

1837. *Gecarcoiden lalandii* Milne Edwards, Hist. Nat. Crust. 2, 25; Rathbun, U.S.N.M. Bul. 97 (1918) 138.
 1853. *Pelocardinus lalandii* Milne Edwards, Ann. Sci. Nat. III 20, 203.
 1873. *Hylacarcinus hunei* Wood-Mason, Journ. Asiat. Soc. Bengal 42, 260, pls. 15, 16.
 1879. *Limnocarcinus intermedius* de Man. Notes Leyden Mus. 1, 65.
 Mindoro, Mindoro Province, Puerto Galera, 0-22.

Genus *Gecarcinus* Leach

Gecarcinus ruricola (Linnaeus)

1707. *Cancer terrestris cuniculus sub terra agens* Sloane, Voy. Jamaica 1, pl. 2, 2 (1725) 269.
1758. *Cancer ruricola* Linnaeus, Syst. Nat. ed. 10, 1, 626; Herbst Naturg. Krabben u. Krebse 1 (1783) 119, pl. 3, fig. 36.
1815. *Gecarcinus ruricola* Leach, Trans. Linn. Soc. London 11, 322; Rathbun, U.S.N.M. Bul. 97 (1918) 352, pls. 117, 118.
1835. *Ocypoda rubra* Freminville, Ann. Sci. Nat. II Zool. 3, 222.
- Mindoro, Mindoro Province, Calapan, 0058.

Family OCYPODIDAE Ortmann

Subfamily OCYPODINAE Dana

Genus *Ocypode* Fabricius*Ocypode gaudichaudii* Milne Edwards and Lucas

1843. *Ocypode gaudichaudii* Milne Edwards and Lucas, d'Orbigny's Voy. dans l' Amer. Merid. Crust. 6, 26; Rathbun, U.S.N.M. Bul. 97 (1918) 373, pl. 129, fig. 1; pl. 130, fig. 1; Schmidt, Marine Decapod. Crust. Univ. Calif. Publ. 23 (1921) 278.

Comiran, Palawan Province, 0-1783, Mindoro, Mindoro Province, Puerto Galera, Mamucan. Cagayancillo, Palawan Province.

Ocypode albicans Bosc

1743. *Cancer arenarius* Catesby, Nat. Hist. Carolina 2, 35, pl. 35.
1758. *Cancer vocans* Linnaeus, Syst. Nat. ed. 10, 1, 626 (Part.).
1787. *Cancer quadratus* Fabricius, Mant. Ins. 1, 315.
1798. *Ocypode quadrata* Fabricius, Ent. Syst. Suppl. 348.
1802. *Ocypode albicans* Bosc, Hist. Nat. Crust. 1 and 10, 496; Latreille, Hist. Nat. Crust. 6 and 11 (1802) 48 Rathbun, U.S.N.M. Bul. 97 (1918) 367, pls. 127, 129.

Comiran, Palawan Province, 0-1745. Cagayancillo, Palawan Province, Mamucan.

These crabs are known as sand crabs or ghost crabs.

Ocypode ceratophthalma (Pallas)

1790. *Cancer cursor* Herbst, Krabben 1, 74, pl. 1, figs. 8, 9.
1900. *Ocypode ceratophthalma* Fabricius, Ent. Syst. Suppl. p. 347; Alcock, Carc. Fauna India, Journ. Asiat. Soc. Bengal 69, 345.

Luzon, Bataan Province, Mariveles, 0-48; Bulacan Province, 0041. Albay Province, Tabaco, 0046. Polillo, Quezon Province, 0042. Comiran, Palawan Province, 0043. Bantayan, Cebu Province, 0044.

Ocypode cordimana Desmarest

1837. *Ocypode cordimana* Milne Edwards, Hist. Nat. Crust. 2, 45, Ann. Sci. Nat. (3) Zool. 18 (1852) 143; Ortmann, Decapod. Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1893-94) 764, pl. 23, fig. 16.
1852. *Ocypode laevis* Dana, U.S. Explor. Exped. Crust. 325, pl. 20, fig. 2.

Manila (Heller).

Genus *Uca* Leach

(= *Gelasimus* Latreille)

Uca annulipes (Latreille)

1837. *Gelasimu carionis* M. Edwards (nec. Desm.) Hist. Nat. Crust. 2, 53.
1790. *Cancer vocans minor* Herbst, Krabben 1, 81, pl. 1, fig. 10.
1886. *Gelasimus annulipes* Miers, Rept. Voy. Challenger, Brachyura Zool. 17, 244; Alcock, Carc. Fauna India, Journ. Asiat. Soc. Bengal 69, (1900) 353.

Mindoro, Mindoro Province, Calapan, 0006. Mactan, Cebu Province, Mindanao, Zamboanga (Challenger), 10 fathoms.

Uca tetragona (Herbst)

1790. *Cancer tetragonon* Herbst, Krabben 1, 257, pl. 20, fig. 110.
1900. *Gelasimu tetragonum* Alcock, Carc. Fauna India, Journ. Asiat. Soc. Bengal 69, 357.

Negros, Oriental Negros Province, Tamiso, 0033.

Uca triangularis (A.M. Edwards)

1866. *Gelasimus perplexus* Heller (nec. Edw.) Novara Crust. p. 38, pl. 5, fig. 4.
1899. *Uca triangularis* Nobili, Ann. Mus. Genov. (2) 20, 274.
1900. *Gelasimus triangularis* Alcock, Carc. Fauna India, Journ. Asiat. Soc. Bengal 69, 356.

Panay, Capiz Province, Capiz, 0034. Mactan, Cebu Province, 0035.

Uca dussumieri (M. Edwards).

1880. *Gelasimus longidigitum* Kingsley, Proc. Acad. Nat. Sci. Phila. (188), 114, pl. 9, figs. 10, 13.
1898. *Uca dussumieri* Ortmann, Zool. Jahrb. Syst. 10, 348.
1900. *Gelasimus dussumiere* Alcock, Carc. Fauna India, Journ. Asiat. Soc. Bengal 69, 361.

Jolo, Sulu Province, Sitankay, 0016. Mactan, Cebu Province, 0017. Negros, Oriental Negros Province, Tamiso, 0018. Bantayan, Cebu Province 0019.

Uca acuta (Stimpson)

1899. *Uca acuta* Doflein, S.B. Akad. Munch. 29, 193.

1900. *Gelasinus acutus* Alcock, Carc. Fauna India, Journ. Asiat. Soc. Bengal 69, 360.

Panay, Iloilo Province, La Paz, 0001; Negros Oriental Province, Tinarian, 0002.

Uca arcuata (De Haan)

1880. *Gelasimus arcuatus* Miers, Ann. Mag. Nat. Hist. (5) 5, 309; Haswell, Cat. Austral. Crust. (1882) 92; de Man, Notes Leyden Mus. 13 (1891) 28, pl. 3, fig. 7.

Luzon, Manila Bay, 0010, Panay, Capiz Province, 0011.

Uca coarctata (M. Edwards)

1891. *Gelasimus coarctatus* de Man, Notes Leyden Mus. 13, 31, pl. 3, fig. 8; Ortmann, Decapod. Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1893-94) 756.

Luzon, Manila Bay, 0012; Rizal Province, Malabon, 0013. Panay, Capiz Province, 0014. Bantayan, Cebu Province, 0015, Mindanao (Ortmann.)

Uca signata (Hess)

1882. *Gelasimus signatus* Haswell, Cat. Austral. Crust. 93; de Man, Zool. Jahrb. 2 (1887) 697; Notes Leyden Mus. 13 (1891) 35, pl. 4, fig. 11; Ortmann, Decapod. Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1893-94) 756.

Panay, Capiz Province, Roxas 0032.

Uca forcipata (de Man)

1891. *Gelasimus forcipatus* de Man, Notes Leyden Mus. 13, 32, pl. 3, fig. 9; Ortmann, Decapod. Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1893-94) 736.

Luzon, Manila Bay, 0027. Negros, Oriental Negros Province, Tamiso, 0029.

Uca vocator (Herbst)

1880. *Gelasimus vocator* Kingsley, Proc. Acad. Nat. Sci. Phila. 147, pl. 10, fig. 20, Ortmann, Decapod, Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1893-94) 757.

Luzon, Manila Bay, 0036. Palawan, Guinto, 0037. Mac-
tan, Cebu Prov. 0039.

Uca marionis (Desmarest)

1847. *Gelasimus cultrimanus* White, P.Z.S. 141, pl. 9, fig. 8.
1900. *Gelasium marionis* Alcock, Carc. Fauna India, Journ. Asiat.
Soc. Bengal 69, 359.

Luzon, Maytubig, 0030, Rizal Province, Pasay.

Uca marionis var. *nitida* (Alcock)

1852. *Gelasimus nitidus* Dana, U.S. Explor. Exped. Crust. 1, 316,
pl. 19, figs. 6a-d.
1802. *Gelasimus vocans* M. Edwards, Ann. Sci. Nat. III Zool. 18,
145.
1900. *Gelasimus marionis* var. *nitida* Alcock, Carc. Fauna India,
Journ. Asiat. Soc. Bengal 69, 360.

Luzon, Manila, Estero, 0-10; Rizal Province, Malabon, 0-96.

Uca urvillei M. Edwards

1852. *Gelasimus urvillei* Milne Edwards, Ann. Sci. Nat. III Zool.
13, 148, pl. 3, fig. 10; Alcock, Carc. Fauna India, Journ.
Asiat. Soc. Bengal 69 (1900) 362.

Luzon, Manila, Georgia Street, Estero, 0-231.

Uca rathbunae Pearse

1912. *Uca rathbunae* Pearse, Phil. Journ. Sci. D 7, 91, fig. 1;
Tesch, Decapoda Siboga Exped. 82 (1918) 37.

Luzon, Manila, Estero, 0-15. Mindoro, Mindoro Province,
Puerto Galera, 0-1839.

Uca zamboangana Rathbun

1913. *Uca zamboanga* Rathbun, Proc. U.S.N.M. 44, 615, pl. 74;
Tesch, Decapoda, Siboga Exped. 82 (1918) 37.

Mindanao, Zamboanga Province (Rathbun).

Uca mearnsi Rathbun

1913. *Uca mearnsi* Rathbun, Proc. U.S.N.M. 44, 616, pl. 75, figs.
1, 2; Tesch, Decapoda, Siboga Exped. 82 (1916) 37.

Mindanao, Davao Province (Rathbun).

Uca rubripes Jacquinot and Lucas

1852. *Gelasimus rubripes* Milne Edwards, Ann. Sci. Nat. III Zool.
18, 148, pl. 4, fig. 12; Miers, Rept. Voy. Challenger, Brach-
yura, Zool. 17, (1886) 243.

Mindanao, Zamboanga (Challenger), 10 fathoms.

Uca latreillei Milne Edwards

1880. *Gelasimus latreillei* Kingsley, Proc. Acad. Nat. Sci. Phila. 152, pl. 10, fig. 31; Ortmann, Decapod. Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1893-94) 757.

Philippines (Kingsley).

Uca cultrimana (White)

1880. *Gelasimus cultrimanus* Kingsley, Proc. Acad. Nat. Sci. Phila. 140, pl. 9, fig. 7; Ortmann, Decapod. Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1893-94) 753.
1880. *Gelasimus vocans* Miers, Ann. Mag. Nat. Hist. (5) 5, 308; de Man, Notes Leyden Mus. 2 (1880) 67; Haswell, Cat. Austral. Crust. (1882) 92.

Luzon (Ortmann).

Subfamily MACROPHTHALMINAE Dana

Genus *Macrophthalmus* Latreille

Macrophthalmus definitus White

1897. *Macrophthalmus definitus* Ortmann, Zool. Jahrb. Syst. 10, 342; Rathbun, Bul. Mus. Comp. Zool. Harvard 72 No. 16, p. 307.

Luzon, Manila, Estero, 0-545. Mindoro, Mindoro Province, Puerto Galera.

Macrophthalmus crinitus Rathbun

1902. *Macrophthalmus* sp. de Man, Abh. Senckenb. Naturf. Ges. 25, 495.
1910. *Macrophthalmus pacificus* Rathbun, Bul. Mus. Comp. Zool. 52, 307, pl. 1, fig. 3, [not *M. pacificus* Dana (1861); de Man (1890)].
1913. *Macrophthalmus crinitus* Rathbun, Proc. U.S.N.M. 44, 618.

Luzon, 0-1754, locality not indicated.

Macrophthalmus sandakani Rathbun

1914. *Macrophthalmus sandakani* Rathbun, Proc. U.S.N.M. 47, 82.

These crabs inhabit muddy beaches, and are quite abundant at mouths of streams. The writer has seen them collected for food at the mouth of Mambaling River in Cebu.

Macrophthalmus japonicus de Haan

1850. *Macrophthalmus japonicus* de Haan, Fauna Japon Crust. 54, pl. 15, fig. 2; pl. 7, fig. 1; Adams and White, Voy. Samarang (1850) 51; Milne Edwards, Ann. Sci. Nat. III Zool. 18 (1852) 158.

Luzon, Manila Bay, 0078. Bantayan, Cebu Province, 0080.
Locality not indicated, 0-1749.

Macrophthalmus latreillei (Desmarest)

1837. *Macrophthalmus latreillei* Milne Edwards, Hist. Nat. Crust. 2, 66; A. M. Edwards, Nouv. Archiv. Mus. Paris 9 (1873) 278; Ortmann, Decapod. Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1893-94) 747.
1850. *Macrophthalmus serratus* Adams and White, Zool. Voy. Samarang 51; Milne Edwards, Ann. Sci. Nat. (3) Zool. 18 (1852) 159; Miers, Rept. Voy. Challenger, Brachyura, Zool. 17 (1886) 250, pl. 20, fig. 1.

Philippines (Miers) Luzon (Ortmann).

Subfamily SCOPIMERINAE

Genus *Tympanomerus* Rathbun

(= *Dioxippe* de Man)

Tympanomerus philippinensis Rathbun

1914. *Tympanomerus philippinensis* Rathbun, Proc. U.S.N.M. 47, 84; Tesch, Decapoda, Siboga Exped. 82 (1916) 49.

Negros, Negros Oriental, Guijulngan (Rathbun).

Family PINNOTHERIDAE

Subfamily PINNOTHERINAE

Genus *Pinotheres* Latreille*Pinotheres affinis* Burger

1895. *Pinotheres affinis* Burger, Zool. Jahrb. Syst. 8, 365, pl. 9, fig. 2, pl. 10, figs. 2, 3.

Bohol, 5 females and 7 males.

Pinotheres glaberrimus Burger

1895. *Pinotheres glaberrimus* Burger, Beitrag z. Kenntnis d. Pinnotherian Zool. Jahrb. Syst. 8, 366; pl. 9, fig. 3, pl. 10, fig. 3.

Mindanao, Zamboanga Province, taken from the shell of *Arca* collected from brackish water.

Pinnotheres cardii Burger

1895. *Pinnotheres cardii* Burger, Zool. Jahrb. Syst. 8 367, pl. 9, fig. 4; pl. 10, fig. 4.

Burias, one ovigerous female taken from the shell of *Cardium onedo*.

Pinnotheres coarctatus Burger

1895. *Pinnotheres coarctatus* Burger, Zool. Jahrb. Syst. 8, 369, figs. 7, 9; pl. 10, fig. 7.

Zamboanga Province from the shell of cabebe collected from brackish water.

Pinnotheres modiolicola Burger

1895. *Pinnotheres modiolicola* Burger, Zool. Jahrb. Syst. 8, 370.

Philippines, one female from the shell of *Modiola philippinerum*.

Pinnotheres palaensis Burger

1895. *Pinnotheres palaensis* Burger, Beitrag z. Kenntnis d. Pinnotherien, Zool. Jahrb. Syst. 8, 372, pl. 9, fig. 12, pl. 10, fig. 12.

Burias, 2 males and 2 females, taken from the shell of *Byssoaracas* sp.

Pinnotheres latissimas Burger

1895. *Pinnotheres latissimus* Burger, Zool. Jahrb. Syst. 8, 373, pl. 9, fig. 13; pl. 10, fig. 13.

Manila, Luzon.

Pinnotheres latus Burger

1895. *Pinnotheres latus* Burger, Zool. Jahrb. Syst. 8, 374, pl. 9, fig. 16; pl. 10, fig. 15.

Burias, 4 females, taken from the shell of *Pinna* sp.

Pinnotheres parvulus Stimpson

1858. *Pinnotheres parvulus* Stimpson, Proc. Acad. Nat. Sci. Phila. 108; Burger, Zool. Jahrb. Syst. 8 (1895) 376 pl. 9, fig. 18; pl. 10, fig. 17.

Burias, 2 females, taken from the shell of *Mytilus* (Burger).

Pinnotheres exiguus Burger

1895. *Pinnotheres exiguus* Burger, Zool. Jahrb. Syst. 8, 377, pl. 9, fig. 19, pl. 10, fig. 30.

Samar, 4 females, 3 of which were ovigerous.

Pinnotheres rotundatus Burger

1895. *Pinnotheres rotundatus* Burger, Beitrag z. Kenntnis d. Pinnotherien Zool. Jahrb. Syst. 8, 378, pl. 9, fig. 21; pl. 10, fig. 19.

Burias, from the shell of *Circe*.

Pinnotheres holothuriae Semper.

1880. *Pinnotheres holothuriae* C. Semper, Die natürlichen Existenzbedingungen der Thiere, Leipzig 1, 78, 99; Burger, Zool. Jahrb. Syst. 8 (1895) 381, pl. 9, fig. 27; pl. 10, figs. 26, 36.

Mindanao, Zamboanga Province, "Parasit in der Lunge von *Stichopus variegatus* in der nock eine der mir verliegenden Individuen eingeschlossen ist." Burger.

Pinnotheres flavus Nauck

1880. *Pinnotheres flavus* Nauck, Das Kaugerüst der Brachyuren, Z. Wiss. Zool. 34, 68; Burger, Zool. Jahrb. Syst. 8 (1895) 383, pl. 9, fig. 29; pl. 10, figs. 29, 35.

Genus *Xanthusia* White

Xanthusia murigera White

1846. *Xanthusia murigera* White, Ann. Mag. Nat. Hist. 18, 176, pl. 2, fig. 3; Dana, U.S. Explor. Exped. Crust. 13 (1852) 384, pl. 24, fig. 6, Burger, Zool. Jahrb. Syst. 8 (1895) 386, pl. 10, fig. 36.

Burias, 2 males and 1 female, taken from *Tridacna* (Burger).

Subfamily XENOPHTHALMINAE

Genus *Xenophthalmus* White

Xenophthalmus pinnotheroides White

1846. *Xenophthalmus pinnotheroides* White, Ann. Mag. Nat. Hist. 178, pl. 2, fig. 2; Adams & White, Zool. Voy. Samarang, Crust. (1850) 63, pl. 12, fig. 2; Milne Edwards, Ann. Nat. Sci. 111 Zool. 20 (1853) 221; Stimpson, Proc. Acad. Nat. Sci. Phila. (1858) 107.

Mindoro, Mindoro Province, Puerto Galera, 0-1752.

Xenophthalmus latifrons Burger

1895. *Xenophthalmus latifrons* Burger, Beitrag z. Kenntnis d. Pinnotherien Zool. Jahrb. Syst. 8, 387, pl. 9, fig. 32, pl. 10, fig. 32.

Luzon, Bataan Province, Mariveles, Bohol, Burger's collection consisted of 6 ovigerous females.

Family MICTYRIDAE Dana

Genus *Mictyris* Latreille*Mictyris longicarpus* Latreille

1806. *Mictyris longicarpus* Latreille, Gen. Crust. et Inst. 1, 41; Henderson, Trans. Linn. Soc. London Zool. (2) 5 (1893) 390; Alcock, Carc. Fauna India, Journ. Asiat. Soc. Bengal 69 (1900) 384.
1856. *Mictyris brevidactylus* Stimpson, Proc. Acad. Nat. Sci. Phila.; 99, var.

Bantayan, Cebu Province, 0-267. Bararian, Sulu, 0087. Palawan, Iwahig 0-33.

Mictyris platycheles Milne Edwards

1852. *Mictyris platycheles* Milne Edwards, Ann. Sci. Nat. (3) Zool. 18, 154; Miers, Rept. Voy. Challenger, Brachyura, Zool. 17 (1886) 279.
1847. *Mictyris subverrucatus* White, List. Crust. Brit. Mus. 34. Descript. nulla.
- Palawan, Taytay, 0-1243.

Mictyris deflexifrons de Haan

1835. *Mictyris deflexifrons* W. de Haan, in. v. Siebold, Fauna Japon. Crust. 25.
- Cuyo, Palawan Province, 0086.

Family PALICIDAE Rathbun

Genus *Palicus* Philippi*Palicus jukesii* (White)

1886. *Cymnopolia jukesii* White, in Juke's Voy. H.M.S. "Fly" p. 338, pl. 2, fig. 2, Miers, Rept. Voy. Challenger, Brachyura, Zool. 17, 335.

1900. *Palicus jukesii* Alcock, Carc. Fauna India, Journ. Asiat. Soc. Bengal 69, 451.

Polillo, Quezon Province, 0265. The Challenger specimen was taken from a depth of 10 fathoms, south of Mindanao in 6°54'0" north latitude 122°18'0" east longitude.

These crabs are small, resembling *Dorippe* in appearance. They are found among corals and resemble an eroded flake of coral rock.

The genus *Cymnopolia* was formerly placed under Dorippidae.

Section OXYRHYNCHA or MAIOIDEA

Legion MARINEA²³

Family INACHIDAE

Subfamily LEPTOPODINAE

Genus *Achaeus* Leach

Achaeus villosus Rathbun

1916. *Achaeus villosus* Rathbun, Proc. U.S.N.M. 50, 528.
Off Jolo, Jolo Light, 20 fathoms (Albatross).

Subfamily INACHINAE

(= EURYPODIIDAE Stimpson)

Genus *Camposcia* Latreille

Camposcia retusa Latreille

1850. *Camposcia retusa* Adams and White, Zool. Voy. Samarang 6; A. M. Edwards, Nouv. Archiv. Mus. Hist. Nat. Paris 8 (1872) 256; Haswell, Cat. Austral. Crust. (1882) 4; Ortmann, Decapod. Krebse Strassburger Mus Zool. Jahrb. Syst. 7 (1894) 35.

Guimaras, (Samarang).

Genus *Oncinopus* de Haan

Oncinopus neptunus Adams and White

²³ Miers (In classification of the Maioid Crabs, Journ. Linn. Soc. Zool. 14: 634-672 distinguished among the Maiinea three principal groups, founded upon the orbital and antennal characters: (1) Inachidae, (2) Maiidae, and (3) Periceridae.

1850. *Oncinopus neptunus* Adams and White, Zool. Voy. Samarang
1, pl. 2, fig. 1.

Philippines (Samarang).

Oncinopus aranea de Haan

1850. *Oncinopus aranea* de Haan, Fauna Japon. 100, pl. 20, fig.
2; Adams and White, Zool. Voy. Samarang (1850) 3.

East of Mindoro, 15 fathoms (Samarang).

Genus *Inachus* Fabricius

Inachus lorina Adams and White

1843. *Inachus lorina* Adams and White, Zool. Voy. Samarang,
Crust. 3; A. White, List. Crust. Coll. Brit. Mus. (1847)
123.

Eastern shore of Mindanao (Samarang).

Genus *Echinoplax* Miers

Echinoplax noseleyi Miers

1886. *Echinoplax noseleyi* Miers, Rept. Voy. Challenger, Brachyura,
Zool. 17, 32, pl. 4, fig. 2.

Dredged at 9° 26' 0" north latitude, 123° 45' 0" east longi-
tude, 375 fathoms (Challenger).

Genus *Anamathia* Smith

(= *Amathia* Roux)

Anamathia pulchra Miers

1886. *Anamathia pulchra* Miers, Rept. Voy. Challenger Brachyura,
Zool. 17, 26, pl. 4, fig. 1.

Dredged at 9° 26' 0" north latitude, 123° 45' 0" east longi-
tude, 375 fathoms.

Genus *Platymaia* Miers

Platymaia bartschi Rathbun

1916. *Platymaia bartschi* Rathbun, Proc. U.S.N.M. 50, 529.

China Sea off southern Luzon, Matocot Point, 198 fathoms
(Albatross).

Platymaia remifera Rathbun

1916. *Platymaia remifera* Rathbun, Proc. U.S.N.M. 50, 530.

Between Cebu & Bohol, Lauis Point, 175 fathoms (Albatross).

Genus *Cyrtomaia* Miers

Cyrtomaia horrida Rathbun

1916. *Cyrtomaia horrida* Rathbun, Proc. U.S.N.M. 50, 532.

Apo, between Negros & Siquijor, 256 fathoms (Albatross).

Cyrtomaia echinata Rathbun

1916. *Cyrtomaia echinata* Rathbun, Proc. U.S.N.M. 50, 533.

Panaon, between Leyte & Mindanao, San Ricardo Point, 732 fathoms.

Genus *Achaeopsis* Stimpson

Achaeopsis suluensis Rathbun

1916. *Achaeopsis suluensis* Rathbun, Proc. U.S.N.M. 50, 535.

Tinakta, Tawitawi Group, Sulu Archipelago, 10 fathoms (Albatross).

Subfamily ACANTHONYCHINAE

Genus *Oxypleurodon* Miers

Oxypleurodon stimpsoni Miers

1894. *Oxypleurodon stimpsoni* Miers, Rept. Voy. Challenger Brachyura Zool. 17 (1886) 38, pl. 6 fig. 1; Ortmann, Decapod. Krebse Strassburger Mus. Zool. Jahrb. Syst. 7, 43.

Dredged at 9° 26' 0" north latitude, 123° 45' 0" east longitude, 375 fathoms, blue mud bottom (Challenger).

Genus *Menaethius* M. Edwards

Menaethius monoceros (Latreille)

1880. *Inachus arabicus* Ruppell, Krabben Roth Meer. 24, pl. 5, fig. 4.

1834. *Menaethius monoceros* Milne Edwards, Hist. Nat. Crust. 1, 339; Ortmann, Decapod Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1894) 41.

1850. *Menaethius subserratus* Adams & White, Zool. Voy. Samarang 18, pl. 4, fig. 1.

1852. *Menaethius angustus depressus* Dana, U.S. Explor. Exped. 120-125, pl. 4, figs. 5-7; pl. 5, figs. 2, 3.

- . *Menaethius angustus subserratus* Dana, ———.
- . *Menaethius angustus areolatus* Dana, ———.
- . *Menaethius angustus inornatus* Dana, ———.
1857. *Menaethius dentatus* Stimpson, Proc. Acad. Nat. Sci. Phila. 219.

Sulu Sea (Dana); Adams and White did not specify the locality.

Genus *Peltinia* Dana²⁴

Peltinia sublimis Rathbun

1916. *Peltinia sublimis* Rathbun, Proc. U.S.N.M. 50, 536.

Near Jolo, Jolo Light, 22 fathoms (Albatross).

The genus *Peltinia* is considered as synonym to *Pugettia* Dana by Miers in Classification of the Maioid Crustacea.

Genus *Huenia* de Haan

Huenia proteus de Haan

1837. *Huenia proteus* de Haan, Crust. v. Siebold, Fauna Japon, dec. 4, p. 95, pl. 23, figs. 4, 5; Miers, Rept. Voy. Challenger, Brachyura, Zool. 17 (1886) 35; Crust. Rept. Zool. Coll. of H.M.S. "Alert" (1834) 191; Ortmann, Decapod. Krebse Strassburger Mus. Zool. Jahrb. Syst. 7, (1894) 40.

Mindanao, Eastern Mindoro (Samarang).

Genus *Pugettia* Dana

Pugettia mindanaoensis Rathbun

1916. *Pugettia mindanaoensis* Rathbun, Proc. U.S.N.M. 50, 538. Off northern Mindanao, Tagolo Light, 162 fathoms (Albatross).

Pugettia leytenensis Rathbun

1916. *Pugettia leytenensis* Rathbun, Proc. U.S.N.M. 50, 539. Capitancillo, between Leyte and Cebu, 182 fathoms (Albatross).

Subfamily PISINAE

Genus *Sphenocarcinus* A. M. Edwards²⁵

²⁴ Journ. Linn. Soc. Zool. 14:650

²⁵ The Genus *sphenocarcinus* is placed by Miers (Journ. Linn. Soc. 14:663) under subfamily Pericerinae of the Family Periceridae. The classification followed here is that of Rathbun.

Sphenocarcinus luzonicus Rathbun

1916. *Sphenocarcinus luzonicus* Rathbun, Proc. U.S.N.M. 50, 540.
Batag, Atalaya Point, east coast of Luzon, 308 fathoms
(Albatross).

Sphenocarcinus auritus Rathbun

1916. *Sphenocarcinus auritus* Rathbun, Proc. U.S.N.M. 50, 540.
Batag, Atalaya Point, east coast of Luzon, 308 fathoms
(Albatross).

Sphenocarcinus nodosus Rathbun

1916. *Sphenocarcinus nodosus* Rathbun, Proc. U.S.N.M. 50, 541.
Apo, between Negros and Siquijor, 279 fathoms (Alba-
tross).

Subfamily MICROPHYNCHINAE

Genus *Doclea* Leach*Doclea calcitrata* White

1847. *Doclea calcitrata* A. White, Zool. Soc. London 15, 56; White,
"Samarang" Crust. (1848) 7.
Luzon, Manila Bay, 0186, Cebu (Samarang).

Family MAIIDAE Miers

Subfamily MAIINAE Miers

Genus *Hyastenus* White²⁶

(= *Chorilla* Dana)

Hyastenus trispinosus Rathbun

1916. *Hyastenus trispinosus* Rathbun, Proc. U.S.N.M. 50, 542.
Tinakta, Sulu Archipelago, Tawitawi Group, 10 fathoms
(Albatross).

Hyastenus auctus Rathbun

1916. *Hyastenus auctus* Rathbun, Proc. U.S.N.M. 50, 543.
Near Siasi, Sulu Archipelago, Sirium, 17 fathoms (Alba-
tross).

²⁶ Rathbun (in Proc. U.S.N.M. 50) placed the genera *Hyastenus*, *Chorilla* and *Naxioides* under Subfamily Pisinae under Family Inachidae. She also included in this family the Subfamily Schizophrysiniae and hence the genera *Maja* and *Leptomithrax*. All of these genera were placed by Miers in the Family Maiidae. Journ. Linn. Soc. Zool. 14.

Hyastenus tuberculosus Rathbun

1916. *Hyastenus tuberculosus* Rathbun, Proc. U.S.N.M. 50, 543.
Near Jolo, Jolo Light, 29 fathoms (Albatross).

Hyastenus arbis Rathbun

1916. *Hyastenus arbis* Rathbun, Proc. U.S.N.M. 50, 544.
Observation, Tawitawi Group, Sulu Archipelago, 9 fathoms
(Albatross).

Hyastenus biformis Rathbun

1916. *Hyastenus biformis* Rathbun, Proc. U.S.N.M. 50, 545.
Tinakta, Tawitawi Group, Sulu Archipelago, 10 fathoms
(Albatross).

Hyastenus fraterculus Rathbun

1916. *Hyastenus fraterculus* Rathbun, Proc. U.S.N.M. 50, 546.
Observation, Tawitawi Group, Sulu Archipelago, 9 fathoms
(Albatross).

Hyastenus scrobiculatus Rathbun

1916. *Hyastenus scrobiculatus* Rathbun, Proc. U.S.N.M. 50, 547.
Tinakta, Tawitawi Group, Sulu Archipelago, 10 fathoms
(Albatross).

Hyastenus tinaktensis Rathbun

1916. *Hyastenus tinaktensis* Rathbun, Proc. U.S.N.M. 50, 547.
Tinakta, Tawitawi Group, Sulu Archipelago, 12 fathoms
(Albatross).

Hyastenus diacanthus (de Haan)

1839. *Naxia diacantha* de Haan, v. Siebold, Crust. Fauna Japon.
96 pl. 21, fig. 1.
1850. *Pisa (Naxia) diacantha* de Haan, Fauna Japon. pl. 24, fig.
1.
1872. *Hyastenus diacanthus* A.M. Edwards, Nouv. Archiv. Mus.
Hist. Nat. 8, 250; Ortmann, Decapod. Krebse Strassburger
Mus. Zool. Jahrb. Syst. 7 (1894) 55.

Dredged at 11°37'0" north latitude, 123°31' 0" east longi-
tude, 18 fathoms, blue mud bottom (Challenger).

Hyastenus oryx A.M. Edwards

1872. *Hyastenus oryx* A.M. Edwards, Nouv. Archiv. Mus. Hist. Nat.

8, 250, pl. 14, fig. 1, Miers, Rept. Voy. Challenger, Brachyura Zool. 17 (1886) 58.

Dredged together with *H. diacanthus*.

Hyastenus sebae White

1850. *Hyastenus sebae* Adams & White, Zool. Voy. Samarang. Philippines (Samarang).

Hyastenus elegans Miers

1886. *Hyastenus elegans* Miers, Rept. Voy. Challenger, Brachyura. Zool. 17 58, pl. 6, fig. 3.

Mindoro, Mindoro Province, Puerto Galera, 0-565, Luzon, Albay Province 0-1473

Genus *Chorilla* Dana ²⁷

Chorilla sphenocarcinoides Rathbun

1916. *Chorilla sphenocarcinoides* Rathbun, Proc. U.S.N.M. 50, 548. Apo, between Negros & Siquijor, 279 fathoms (Albatross). Miers ²⁸ recognized *Chorilla* as a subgenus under *Hyastenus*.

Genus *Naxioides* A. M. Edwards

Naxioides rombloni Rathbun

1916. *Naxioides rombloni* Rathbun, Proc. U.S.N.M. 50, 549. Near Romblon, Romblon Light, 37 fathoms, hard sand bottom (Albatross).

Genus *Phalangipus*

Phalangipus filiformis Rathbun

1916. *Phalangipus filiformis* Rathbun, Proc. U.S.N.M. 50, 551. East of Leyte, Tacbuc Point, 57 fathoms (Albatross).

Phalangipus retusus Rathbun

1916. *Phalangipus retusus* Rathbun, Proc. U.S.N.M. 50, 552. Tinakta, Tawitawi Group, Sulu Archipelago, 18 fathoms, fine sand bottom (Albatross).

Genus *Pisa* Leach

Pisa sinope Adams and White

²⁷ Journ. Linn. Soc. Zool. 14

²⁸ Journ. Linn. Soc. Zool. 14

1848. *Pisa sinope*, Adams and White, Zool. Samarang, Crust. 8. Philippines (Samarang).

Genus *Egeria* Leach
(= *Leptopus* Lamarck)

Egeria arachinoides (Rumphius)

1741. *Cancer arachnoides* Rumphius, D'Amboinische Rariteitkamer pl. 8, fig. 4.
1815. *Egeria indica* Leach, Zool. Miscell. 2, 73.
1834. *Egeria arachnoides* Milne Edwards, Hist. Nat. Crust. 1, 291; Miers, Rept. Voy. Challenger, Brachyura, Zool. 17 (1886) 44.

Dredged at 6° 54' 0" north latitude, 122° 18' 0" east longitude, 10 fathoms (Challenger).

Egeria longipes (= *E. herbstii*) M. Edwards

Cebu, (Samarang) Rathbun believed this is identical with *Phalangipus retusus*, the new species she created in Proc. U.S.N.M. 50:532.

Genus *Naxia* M. Edwards

(= *Naxioides* A.M. Edwards; *Podopisa* Hilgendorf)

Naxia hirta (A.M. Edwards)

- 1865a.? *Naxioides hirta* A.M. Edwards, Ann. Soc. Entom. France III 5, 143, pl. 4, fig. 1.
1886. *Naxia hirta* Miers, Rept. Voy. Challenger, Brachyura, Zool. 17, 61.

Mindanao, Zamboanga Province, 15 fathoms (Challenger).

Subfamily MICIPAINAE Miers

Genus *Micippa* Leach

Micippa philyra (Herbst)

1884. *Micippa philyra* M. Edwards, Hist. Nat. Crust. 1, 330; Adams & White, Zool. Voy. Samarang (1850) 15; Ortman, Decapod Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1894) 59.
1852. *Micippa hirtipes* Dana, U.S. Explor. Exped. Crust. 90, pl. 1, fig. 4.

Guimaras (Samarang).

Micippa bicarinata Adams and White

1850. *Micippa bicarinata* Adams & White, Zool. Voy. Samarang 16.

Cebu, Luzon (Samarang) Ortmann believed this species to be identical with *M. Philyra*.

Micippa cristata (Linnaeus)

1834. *Micippa cristata* Milne Edwards, Hist. Nat. Crust. 1, 330; Adams & White, Zool. Voy. Samarang (1850) 16; Miers *Mag. Nat. Hist.* (5) 15 (1885) 4; Ortmann, Decapod. Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1894) 59.

Luzon, Albay Province, Magallanes, 0189; Siquijor, Cebu.

Subfamily SCHIZOPHRYSINAE Miers²⁹Genus *Maja* Bosc*Maja suluensis* Rathbun

1916. *Maja suluensis* Rathbun, Proc. U.S.N.M. 50 552.

Tawitawi Group, Sulu Archipelago. Observation, 9 fathoms (Albatross).

Maja linapacanensis Rathbun

1916. *Maja linapacanensis* Rathbun, Proc. U.S.N.M. 50, 553.

Observatory, Linapacan Strait, 46 fathoms (Albatross).

Maja bisarmata Rathbun

1916. *Maja bisarmata* Rathbun, Proc. U.S.N.M. 50, 554.

Off northern Mindanao, Point Tagolo Light, 182 fathoms (Albatross).

Genus *Leptomithrax* Miers³⁰*Leptomithrax sinensis* Rathbun

1916. *Leptomithrax sinensis* Rathbun, Proc. U.S.N.M. 50, 555.

China Sea near Southern Luzon, 88 fathoms, Miers considers this a subgenus of *Paramithrax*.

²⁹ Rathbun placed the Subfamily Schizophrysinae in the Family Inachidae and subsequently transferred the genera of this Subfamily from Malidae to the Family Inachidae. Mier's classification is followed in this paper.

³⁰ Journ. Linn. Soc. Zool. 14.

Genus *Schizophrys* White(= *Dione* de Haan, non. praeocc.)*Schizophrys spineger* Adams & White

1850. *Schizophrys spineger* Adams & White, Zool. Voy. Samarang.
Siquijor, Bohol (Samarang).

Genus *Paramithrax* M. Edwards*Paramithrax edwardsii* de Haan

1850. *Paramithrax edwardsii* Adams & White, Zool. Voy. Samarang.
Philippines (Samarang).

Family PERICERIDAE Miers

Subfamily PERICERINAE Stimpson

Genus *Pericera* Latreille*Pericera tiarata* Adams and White

1848. *Pericera tiarata* Adams & White, Zool. Voy. Samarang Crust.
17.

Philippines (Samarang).

Pericera setigera Adams and White

1848. *Pericera setigera* Adams & White, Zool. Voy. Samarang Crust.
17.

Philippines (Samarang).

Pericera cornigera H.M. Edwards

1834. *Pericera cornigera* H.M. Edwards, Roret's Suite a Buffon
Crustacea 1.

Genus *Tiarinia* Dana*Tiarinia gracilis* Dana

1852. *Tiarinia gracilis* Dana, U.S. Explor. Exped. Crust. 111, pl.
3, fig. 6; Ortmann, Decapod. Krebse Strassburger Mus.
Zool. Jahrb. Syst. 7 (1894) 62.

Sulu Sea (Dana) Ortmann believed this species to be identical with *Pericera tiarata* of Adams and White.

Subfamily MITHRACINAE Stimpson

Genus *Mithrax* Leach*Mithrax dichotomus* Latreille

1825. *Mithrax dichotomus* A.G. Desmarest, Consid. Gen. Crust. 150.
Mindoro, Mindoro Province, Calapan, 0190.

Legion PARTHENOPINEA Dana

Family PARTHENOPIDAE³¹

Subfamily PARTHENOPINAE

Genus *Parthenope* Fabricius*Parthenope (Lambrus) valida* v. Siebold

1839. *Parthenope (Lambrus) valida* v. Siebold, Fauna Japon Crust.
90, pl. 21, fig. 1; pl. 22, fig. 1.

From the shores of Mindoro; Luzon, Ilocos Sur. Sandy
bottom.

Parthenope (Rhinolambrus) rudis Rathbun

1916. *Parthenope (Rhinolambrus) rudis* Rathbun, Proc. U.S.N.M.
50, 556.

Observation, Tawitawi Group, Sulu Archipelago, 9 fathoms
(Albatross).

Parthenope (Pseudolambrus) parva Rathbun

1916. *Parthenope (Pseudolambrus) parva* Rathbun, Proc. U.S.N.M.
50, 557.

Tinakta, Tawitawi Group, Sulu Archipelago, 10 fathoms
(Albatross).

Genus *Cryptopodia* Milne Edwards*Cryptopodia dorsalis* Adams and White

1847. *Cryptopodia dorsalis* A. White, List. Crust. Coll. Brit. Mus.
125; White and Adams, Proc. Zool. London, 15 (1847)
125; Zool. Voy. Samarang, Crust. (1848) 30.

Jolo, Sulu Sea, 20 fathoms, stony bottom (Samarang).

³¹ Miers (Classification of the Maioid Crust. Journ. Linn. Soc. 14) subdivided the Family Parthenopidae into two subfamilies: (1) Parthenopinae and (2) Eumedominae.

Genus *Daldorfia* Linnaeus*Daldorfia horrida* (Linnaeus)

— . *Cancer herridus* Linnaeus, Nat. 11, 1047, 43.

1895. *Parthenope horrida* Alcock, Carc. Fauna India, Journ. Asiat. Soc. Bengal 63-64, 279.

1906. *Daldorfia horrida* Rathbun, Brachyura and Macrura of Hawaiian Is. Bul. Fish Comm. pl. 886, pl. 14, fig. 9.

Cebu, Cebu Province, Sibonga, 0-1773. Mindoro, Mindoro Province, Calapan, 0191.

Genus *Lambrus* Leach*Lambrus intermedius* Miers

1879. *Lambrus intermedius* Miers, Proc. Zool. Soc. London 30; Miers, Rept. Voy. Challenger, Brachyura, Zool. 17, (1886) 96, pl. 10, fig. 4.

Mindoro, Mindoro Province, Puerto Galera, 0-191.

Lambrus turriger White

1847. *Lambrus turriger* White, Proc. Zool. Soc. London 58; Adams & White, Crust. Samarang (1848) a6, pl. 5, fig. 2; Miers, Rept. Voy. Challenger, Brachyura, Zool. 17, (1886) 96.

Philippines (Samarang).

Lambrus serratus M. Edwards

1834. *Lambrus serratus* M. Edwards, Hist. Nat. Crust. 1, 357; Miers, Rept. Voy. Challenger, Brachyura, Zool. 17 (1886) 97.

Corregidor (Samarang).

Lambrus contrarius (Herbst)

1804. *Cancer contrarius* Herbst, Naturgesch. Krabben u. Krebse Heft. 4, 4, 8, pl. 60, fig. 3.

1834. *Lambrus contrarius* M. Edwards, Hist. Nat. Crust. 1, 354; Miers, Rept. Voy. Challenger, Brachyura, Zool. 17 (1886) 94.

Mindanao, Zamboanga Province, 10 fathoms (Challenger).

Lambrus lamelifrons Adams and White

1848. *Lambrus lamelifrons* Adams & White, Zool. Voy. Samarang, Crust. 26.

Philippines (Samarang).

Lambrus (Parthenolambrus) calappoides Adams and White

1848. *Parthenope calappoides* Adams & White; Crust. Zool. Samarang 34, pl. 5, fig. 5; Miers, Crust. Rept. Zool. Coll. H.M.S. Alert (1864) 527.
 1886. *Lambrus (Parthenolambrus) calappoides* Miers, Rept. Voy. Challenger, Brachyura, Zool. 17, 101.

Philippines (Challenger).

Lambrus longimanus (Linneaus)

1815. *Lambrus longimanus* Leach, Trans. Linn. Soc. London 11, 310; Milne Edwards, Hist. Nat. Crust. 1 (1834) 354; Miers, Rept. Voy. Challenger, Brachyura, Zool. 17, (1886) 95.

Philippines (Samarang).

Lambrus pisoides Adams and White

1886. *Lambrus pisoides* Miers, Rept. Voy. Challenger, Brachyura, Zool. 17, 98.

Philippines (Samarang).

Lambrus pelagicus Ruppell

1830. *Lambrus pelagicus* Ruppell, 24 Krabben Roth. Meer. 15, pl. 4, fig. 1; Ortmann, Decapod. Krebse Strassburger Mus. Zool. Jahrb. Syst. 7 (1894) 414.
 1872. *Lambrus affinis* A.M. Edwards, Nouv. Archiv. Mus. Hist. Nat. Paris 8, 261, pl. 14, fig. 4; Haswell, Cat. Austral. Crust.

Cebu (Thallwitz).

Family EUMEDOMIDAE Ortmann

Subfamily EUMEDOMINAE Miers

Genus *Zebrida* White*Zebrida adamsi* White

1847. *Zebrida adamsi* White, Proc. Zool. Soc. London 121; Adams & White, Zool. Voy. Samarang (1850) 24, pl. 7, fig. 1; Ortmann, Decapod. Krebse Strassburger Mus. Jahrb. Syst. 7 (1894) 419.

Sulu Sea (Ortmann).

Genus *Ceratocarcinus* Adams and White*Ceratocarcinus longimanus* Adams and White

1847. *Ceratocarcinus longimanus* Adams & White, Proc. Zool. Soc. London 57; Crust. Zool. Voy. Samarang (1848) 34, pl. 6, fig. 6; Miers, Rept. Voy. Challenger, Brachyura, Zool. 17 (1886) 105; H. A. Roxas, Puerto Galera, Marine Biol. Lab. Rept. (1930) 18.

Mindoro, Mindoro Province, Puerto Galera. The specimen is no longer extant.

Genus *Harrovia* Adams and White³²*Harrovia albo-lineata* Adams and White

1849. *Harrovia albo-lineata* Adams and White, Zool. Voy. Samarang, Crust. 56.

Philippines (Samarang).

³² This genus was wrongly placed by Adams and White with the Leucosidae. By Stimpson, it was considered synonymous with *Ceratocarcinus*; but it is as distinct as any other group. — Miers, Classification of the Maioid Crust. Journ. Linn. Soc. Zool. 14.

LITERATURE CITED

1. ADAMSON. 1935 Occ. Pap. Bishop Mus. Honolulu, 11.
- 2a. ADAMS, A. and A. WHITE. 1843 Crustacea.
 - b. ————. 1848 Zool., Voy. Samarang.
 - c. ————. 1849 Zool., Voy. Samarang.
 - d. ————. 1850 Zool., Voy. Samarang.
- 3a. ALCOCK, A. 1894-95 Carc. Faun. India Journ. Asiat. Soc. Bengal, 63-64.
 - b. ————. 1899 Carc. Faun. India Journ. Asiat. Soc. Bengal, 66.
 - c. ————. 1898-99 Carc. Faun. India Journ. Asiat. Soc. Bengal, 67.
 - d. ————. 1899 Carc. Faun. India Journ. Asiat. Soc. Bengal, 68.
 - e. ————. 1900 Carc. Faun. India Journ. Asiat. Soc. Bengal, 69.
 - f. ————. 1901 Descript. Cat. Indian Deep-Sea Crust., Calcutta.
 - g. ————. 1905 Cat. Indian Decapod. Crust. Fasc. 1.
4. ARMSTRONG. 1941 Amer. Mus. Novit.
5. BAKER. 1907 Notes on South Austral. Decapoda, Crust. pt. V, Trans. Royal Soc. South Austral., 31.
- 6a. BALSS, H. 1914 Ostasiatische Decapoden, 11 Munschen.
 - b. ————. 1921 K. Svenska Veternak Akad. Handl., 61.
 - c. ————. 1925 Macrura d. Deutsch. Tiefsee-Exped.
- 7a. BARNARD, K. H. 1926 Trans. Roy. Soc. S. Afr., 13.
 - b. ————. 1947 Ann. Mag. Nat. Hist. ser. 11, 13.
 - c. ————. 1950 Ann. S. Afr. Mus. 38.
8. BATE, SPENCE. 1873-76 Rept. Voy. Challenger, Zool. 24.
9. BELL. 1855 Trans. Linn. Soc. London 21.
- 10a. BENEDICT. 1892 Johns Hopkins Univ. Cir. 11.
 - b. ————. 1900 Bul. U.S. Fish Comm., 20.
 - c. ————. 1901 Anomuran Coll. Fish Hawk Exped. Pto. Rico.
- 11a. BLANCO, G. J. 1935 Phil. Journ. Sci., 56.
 - b. ————. 1939 Phil. Journ. Sci., 67, p. 201, pl. 1.
 - c. ————. 1939 Phil. Journ. Sci. 87.
 - d. ————. 1939 Phil. Journ. Sci., 67, p. 167, pl. 1.
- 12a. BORRADAILE, L. A. 1898a Ann. Mag. Nat. Hist. Ser. 7, 2.
 - b. ————. 1899 Wiley's Zool. Res., 4.
 - c. ————. 1904 Fauna and Geog. Maldive Laccadive Archipelago, pt. III, 2.
 - d. ————. 1910 Trans. Linn. Soc. London, Zool. Ser. 2, 13.
 - e. ————. 1915 Ann. Mag. Nat. Hist. Ser. 8, 15.
 - f. ————. 1917 Trans. Linn. Soc. London, Zool. Ser. 2, 17.
- 13a. BOSCH. 1801 Hist. Nat. Crust., 1.
 - b. ————. 1801-02 Hist. Nat. Crust., 2.

- 14a. BOUVIER. 1850 Bull. Sci. Philom. (8) 3.
b. ————. 1905 Bull. Sci. de Fr. et Belg.
c. ————. 1915 Trans. Linn. Soc., London, 11, 15.
- 15a. BURGER. 1893 Zool. Jahrb. Syst. 7.
b. ————. 1895 Zool. Jahrb. Syst. 8.
- 16a. CALMAN, W. T. 1900 Trans. Linn. Soc. (2) 8.
b. ————. 1939 Sci. Report, John Murray Exped., 6.
17. CASTO DE ELERA. 1895 Cat. Fauna Filipinas, 2.
18. CATESBY, M. 1743 Nat. Hist., Carolina 2.
19. CHOPRA, B. 1943 Indian Sci., Congress, 30.
- 20a. COUTIERE, H. 1898 Bull. Mus. Hist. Nat. Paris, 4.
b. ————. 1900 C. R. Acad. Sci., Paris, 130.
c. ————. 1901 Ann. Sci. Nat. Zool. Ser. 8, 12.
21. COWLES, R. P. 1914 Phil. Journ. Sci., 9, sec. D.
- 22a. DANA, J. D. 1851 Siliman's Journ.
b. ————. 1852 U.S. Exploring Exped. Crust.
- 23a. DE HAAN, W. 1835 In v. Siebold, Fauna Japon.
b. ————. 1837 Fauna Japon.
c. ————. 1841 Fauna Japon.
d. ————. 1849 Fauna Japon.
- 24a. DE MAN, J. G. 1879 Notes, Leyden Mus. 1.
b. ————. 1881 Notes, Leyden Mus., 3.
c. ————. 1888 Archiv. f. Naturg., 13, Jahrg.
d. ————. 1888 Journ. Linn. Soc. London, 22.
e. ————. 1891 Notes, Leyden Mus., 13.
f. ————. 1892 Zool. Niederlandisch Ost. Indian.
g. ————. 1892 Weber's Zool. Ergebn., 2.
h. ————. 1897 Zool. Jb. Syst., 9.
i. ————. 1902 Abh. Senckenb. Naturf. Ges., 25.
j. ————. 1905 Proc. Zool. Soc. London.
k. ————. 1908 Notes, Leyden Mus. 30.
l. ————. 1908 Rec. Indian Mus. 2.
m. ————. 1910 Tijdschr. de Med. Vereen (2) 11.
n. ————. 1911 Decapoda, Siboga Exped. pt. III, 60.
o. ————. 1916 Decapoda, Siboga Exped. Mon. 39.
p. ————. 1917 Decapoda, Siboga Exped. pt. IV.
q. ————. 1920 Decapoda, Siboga Exped. pt. 11, 87.
25. DESMAREST, A. G. 1825 Consid. Gen. Crust.
26. DOFLEIN. 1899 S. B. Akad. Munch., 29.
- 27a. EDMONDSON, C. H. 1935 Occ. Paper. Bishop Mus., 10.
b. ————. 1946 Publ. Bishop Mus. Honolulu, 22.
- 28a. EDWARDS, A. M. 1816 Ann. Sci. Nat. VI.
b. ————. 1861 Archiv., de Mus. 10.
c. ————. 1864 Ann. Soc. Ent. de France.
d. ————. 1865 Nouv. Archiv. Mus. Hist. Nat. Paris 1.

- e. ———. 1869 *Nouv. Archiv. Mus. Hist. Nat. Paris* 5.
 f. ———. 1874 *Journ. des Mus. Goddefroy*.
 g. ———. 1874 *Nouv. Archiv. Mus. Paris* 10.
 h. ———. 1878 *Nouv. Archiv. Mus. Nat. Hist. Paris*, 9.
- 29a. EDWARDS, H. M. 1834 *Hist. Nat. Crust.* 1.
 b. ———. 1837 *Hist. Nat. Crust.* 2.
 c. ———. 1838a in Lamarck, *Hist. Nat. Anim.* ed. 2, 5.
 d. ———. 1848 *Ann. Sci. Nat. Zool. ser. 3*, 10.
 e. ———. 1851 *Ann. Sci. Nat. Zool. ser. 3*, 16.
 f. ———. 1853 *Ann. Sci. Nat. Zool. ser. 3*, 20.
 g. ———. 1854-55 *Archiv. Mus. Paris*, 7.
 h. ———. 1865 *Nouv. Archiv. du Mus.*
- 30a. ESTAMPADOR, E. P. 1937 *List Phil. Crust. Decapods, Phil. Journ. Sci.* 62, pp. 465-559.
 b. ———. 1949 *Revision of the Genus Scylla, Phil. Journ. Sci.* 78, No. 1.
 c. ———. 1949 *Comp. Studies on Spermatogenesis and Oogenesis in Scylla, Phil. Journ. Sci.* 78, No. 3, pp. 301-353, 14 pls.
- 31a. FABRICIUS, J. C. 1775 *Syst. Ent.*
 b. ———. 1787 *Mant. Ins.* 1.
 c. ———. 1798 *Suppl. Ent. Syst.*
32. GERSTAECKER, A. 1856 *Archiv. f. Naturg.* 22.
33. GORDON, I. 1935 *Journ. Linn. Soc. London, Zool.* 39.
34. GUILDING. 1825 *Trans. Linn. Soc. London*, 14.
- 35a. HASWELL, W. A. 1880 *Proc. Linn. Soc. N. S. Wales*, 4.
 b. ———. 1881 *Proc. Linn. Soc. N. S. Wales*, 6.
 c. ———. 1882 *Austral. Crust.*
- 36a. HELLER, C. 1862 *Verh. Zool. Bot. Ges. Wien*, 12.
 b. ———. 1862 *S. B. Akad. Wiss. Wien*, 45.
 c. ———. 1865 *Reise Novara. Zool.* 2.
- 37a. HENDERSON, J. R. 1885 *Ann. Mag. Nat. Sci.* (5) 16.
 b. ———. 1888 *Rept. Voy. Challenger, Zool.* 27.
 c. ———. 1893 *Trans. Linn. Soc. London* (2) 5.
- 38a. HERBST. 1782 *Naturgesch. Krabben u. Krebse* 1.
 b. ———. 1790 *Krabben*, 1.
 c. ———. 1792 *Vers. Naturgesch. Krebse*, 2.
 d. ———. 1794 *Krabben, etc.*, 2.
 e. ———. 1796 *Naturg. Krabben u. Krebse*, 2.
 f. ———. 1803-04 *Krabben, u. Krebse* III.
39. HERKLOTS. 1861 *Tidschr. Ent.*, 4.
40. HESS. 1865 *Decapod. Krebse, Oste Austral.*
- 41a. HILGENDORF. 1869 in V. D. Decken's *Reisen, Ost. Afri.* III.
 b. ———. 1878 *Mon. Ber. Ak. Wiss., Berlin.*
 c. ———. 1888 *Monatsber Kon Akad. Wiss. Berlin* Nov.
42. HOFFMANN. 1814 *Rec. Fauna Madagasc.* pt. 2, 5.

43. HOLMES. 1900 Occs. Paper, Cal. Acad. Sci.
- 44a. HOLTHUIS. 1946 Decapoda. Macrura, Snellius Exped. 1.
b. ———. 1949 Nova Guinea, n. ser., 5.
c. ———. 1950 Decapoda-Siboga Exped. pl. X, pp. 148-150.
d. ———. 1952 Decapoda-Siboga and Snellius Exped.
e. ———. 1952 Revision of Palaemonidae, Univ. Cal. Occas. Papers,
No. 12.
- 45a. IHLE. 1915 Tijdschr. Ned. Dierk, Ver. (2) 14.
b. ———. 1918 Siboga Exped. 85.
46. JACQUINOT ET LUCAS. 1853 Voy. Pole-Sud. Zool. Crust. 3.
- 47a. KEMP, S. W. 1918 Mem. Asia Soc. Bengal 6.
b. ———. 1922 Rec. Indian Mus., 24.
c. ———. 1925 Rec. Indian Mus., 27.
48. KINGSLEY. 1880 Proc. Acad. Nat. Sci., Phila.
49. KRAUS. 1843 Sud-Afrik. Crust.
50. LAMARCK, J. B. P. A. 1818 Hist. Nat. Anim. s. Vert., 5.
- 51a. LANCHESTER. 1900 Proc. Zool. Soc. London.
b. ———. 1901 Proc. Zool. Soc. London.
- 52a. LATREILLE. 1802 Hist. Nat. Crust., 2.
b. ———. 1803 Hist. Nat. Crust., 6.
c. ———. 1804 Ann. Mus. Hist. Nat. Paris, 3.
d. ———. 1807 Gen. Crust. et Ins. 1.
53. LAURIE. 1906 Rept. Pearl-Oyster Fish, Brachyura.
- 54a. LEACH, W. E. 1815 Zool. Misc. 2.
b. ———. 1815 Trans Linn. Soc. London 11.
c. ———. 1817 Zool. Miscell. 3.
55. LENZ, H. 1935 Abh. Senckenb Natur. Ges., 39.
- 56a. LINNAEUS, C. 1759 Syst. Nat. ed. 10, 1.
b. ———. 1764 Mus. Lud. Ulrica.
c. ———. 1766 Syst. Nat.
57. LLOYD, R. E. 1907 Rec. Indian Mus., 1.
58. LOOKINGTON. 1876 Proc. Calif. Acad. Sci.
59. LUCAS. 1853 in Jacquinot, Voy. Austral. Crust. 3.
60. MAKI and TSUCHIYA. 1923 Rept. Agri. Formosa. 3.
61. MENON, K. 1938 Proc. Indian Acad. Sci., 8.
- 62a. MIERS, E. J. 1875 Ann. Mag. Nat. Hist. (14) 16.
b. ———. 1876 Ann. Mag. Nat. Hist. (14) 17.
c. ———. 1877 Trans. Linn. Soc. London (2) 1.
d. ———. 1879 Journ. Linn. Soc. Zool. 14.
e. ———. 1880 Ann. Mag. Nat. Hist. ser. 5, 5.
f. ———. 1884 Rept. Zool. Coll. "Alert".
g. ———. 1886 Rept. Voy. Challenger, Brachyura, 17.
63. NATARAJ. 1947 Rec. Indian Mus., 45.
64. NAUCK. 1880 Zeitschr. f. Wiss. Zool. 34.

- 65a. NOBILI, G. 1899 Ann. Mus. St. Nat. Genova, 40.
 b. ———. 1900 Ann. Mus. Civ. St. Nat. Genova, 11, 20.
 c. ———. 1900 Boll. Mus. Zool. Anat. Comp. Torino, 15.
 d. ———. 1901 Bull. Mus. Zool. Anat. Comp. Torino, 16.
 e. ———. 1903 Boll. Mus. Torino, No. 455.
 f. ———. 1904 Bull. Mus. Hist. Nat. Paris. 10.
 g. ———. 1905 Bull. Mus. Hist. Nat. Paris, 11.
 h. ———. 1906 Bull. Sci. France, Belg., 40.
 i. ———. 1906b Ann. Sci. Nat. (Zool.) ser. 9, 4.
 j. ———. 1921 Nova Guinea, 13.
66. OHSHIMA. 1935 Botany-Zool., Tokyo, 3.
- 67a. OLIVER. 1791 Enc. Meth. Hist. Nat., 6.
 b. ———. 1811 Enc. Meth. Hist. Nat., 18.
- 68a. ORTMANN. 1890-91 Zool. Jahrb. Syst. 5.
 b. ———. 1892 Decapod. Krebse Strassburger, Mus. Zool. Jahrb.
 Syst. 6.
 c. ———. 1894 Decapod. Krebse, Strassburger Mus. Zool. Jahrb., 7.
 d. ———. 1895 Proc. Acad. Nat. Sci., Phila.
 e. ———. 1897 Zool. Jahrb. Syst., 10.
69. PANIKKAR. 1937 Journ. Bombay, Nat. Hist. Soc., 62.
- 70a. PEARSE, A. S. 1912 Phil. Journ. Sci. D, 7.
 b. ———. 1915 Proc. U.S.N.M. 49.
71. PFEFFER. 1881 Verb. Natur. ver Hamburg, ser. 2, 5.
- 72a. RANDALL. 1839 Journ. Acad. Phila. 7.
 b. ———. 1839 Journ. Acad. Nat. Sci., Phila., 8.
- 73a. RATHBUN, MARY J. 1893 Proc. U.S.N.M. 16.
 b. ———. 1903 U.S. Fish Comm. Bull. for 1903.
 c. ———. 1906 Bull. U.S. Fish Comm., 23.
 d. ———. 1906 Brachyura, Macrura, Hawaiian Is. Wash.
 e. ———. 1910 Bull. Mus. Comp. Harvard.
 f. ———. 1911 Trans. Linn. Soc., London, (2) 14.
 g. ———. 1913 Proc. U.S.N.M., 44.
 h. ———. 1914 Proc. U.S.N.M. 48.
 i. ———. 1914 Proc. Zool. Soc. London.
 j. ———. 1915 Proc. Biol. Soc. Wash. 28.
 k. ———. 1915 Proc. U.S.N.M., 47.
 l. ———. 1916 Bull. U.S.N.M., 97.
 m. ———. 1916 Proc. U.S.N.M. 50.
 n. ———. 1930 Bull. U.S.N.M. No. 152.
 o. ———. 1935 Bull. Mus. Comp. Zool. Harvard, 79.
74. RICHTERS, F. 1880 Beitr. Meeresfauna, Mauritius.
- 75a. ROUX, J. 1917 Nova Guinea, 5.
 b. ———. 1921 Nova Guinea, 13.
 c. ———. 1930 Rev. Suisse, Zool., 17.
 d. ———. 1933 Rev. Suisse, Zool., 40.
 e. ———. 1934 Rev. Suisse, Zool., 41.

76. ROXAS, H. 1930 Puerto Galera, Marine Biol. Lab.
- 77a. RUMPHIUS, G. E. 1705 Amboin. Rariteitkam, ed. 1.
b. ————. 1741 Amboin. Rariteitkam, ed. 3.
- 78a. RUPPEL, E. 1830 24 Krabben Roth Meer.
b. ————. 1880 Krabben Roth. Meer.
79. SAY. 1815 Journ. Acad. Nat. Sci. Phila. 1.
80. SCHENKEL. 1902 Verh. naturf. Ges. Basel, 13.
81. SCHMITT, W. 1921 Decapod. Crust. Cal. Univ. Publ. Zool. 23.
82. SEMPER, C. 1880 Die Naturlichen Existenzbedingungen den Thiere, Leipzig K.
- 83a. SIEBOLD, C. F. E. VON. 1824 Spicul., Fauna Japon.
b. ————. 1839 Fauna Japon., Crust.
- 84a. SMITH, SIDNEY. 1862 Bull. Mus. Comp. Zool. 10.
b. ————. 1889 Proc. Boston Soc., Nat. Hist., 12.
- 85a. STEBBING, T. R. R. 1892 Hist. Crust.
b. ————. 1905 Mar. Invest. S. Afri., 4.
- 86a. STIMPSON, W. 1852 Proc. Acad. Nat. Sci., Phila.
b. ————. 1859 Proc. Acad. Nat. Sci., Phila.
c. ————. 1859 Ann. Lyc. Nat. Hist. 7.
d. ————. 1860 Proc. Acad. Nat. Sci. Phila.
e. ————. 1871 Ann. Lyc. Nat. Hist., New York, 10.
f. ————. 1880 Proc. Acad. Nat. Sci. Phila.
g. ————. 1907 Smithsonian Misc. Coll. 49.
87. STRALL. 1861 Mon. Ber. Aka. Wise, Berlin.
88. STREETS and KINGSLEY. 1877 Bull. Essex, Inst. 9.
89. SUVATTI. 1937 Check List ag. Fauna Siam.
- 90a. TESCH. 1917 Zool. Ned. Mus. Leiden, 3.
b. ————. 1918 Decapoda, Brachyura, Siboga Exped. 82.
- 91a. THALWITZ. 1890 Abh. u. Berlin k. Zool. Mus. No. 3.
b. ————. 1890-91 Abh. Zool.-Anthrop. Mus. Dresden.
c. ————. 1891 Zool. Anz, 14.
92. WARD. 1942 Mauritius Inst. Bull., 2.
93. WEITENWEBER. 1854 Lotos Praha, 4.
- 94a. WHITE, A. 1846 Ann. Mag. Nat. Hist., 18.
b. ————. 1847 List. Crust. Brit. Mus.
c. ————. 1847 Proc. Zool. Soc., London, 15.
d. ————. 1847 Jukes Voy. "Fly", 2.
95. WOOD-MASON, J. and A. ALCOCK. 1892 Ann. Mag. Nat. Hist. VI, 9.
96. YAPCHIONGCO, J. 1933 Philippine Paguridae (in M.S.).
- 97a. YOKOYA, Y. 1933 Journ. Coll. Agric. Tokyo, 12.
b. ————. 1936 Journ. Zool., 7.