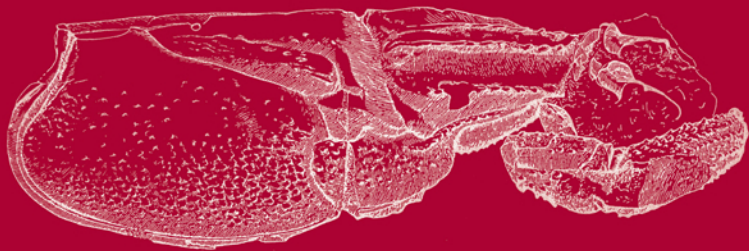


# SYSTEMATIC LIST OF FOSSIL DECAPOD CRUSTACEAN SPECIES

*Carrie E. Schweitzer, Rodney M. Feldmann,  
Alessandro Garassino, Hiroaki Karasawa, Günter Schweigert*

CRUSTACEANA MONOGRAPHS, 10



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Systematic List of Fossil Decapod  
Crustacean Species

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## INTRODUCTION

Decapod crustaceans, the shrimp, lobsters, squat lobsters, and crabs have a geologic record extending from the Middle Devonian (Schram et al., 1978) to the present. Although they are rarely the most abundant fossils in an assemblage, they are important elements in many marine, aquatic, and terrestrial ecosystems. Most are opportunistic organisms, whose feeding patterns include scavenging, grazing, and predation. In addition to terrestrial and aquatic settings, modern decapods occupy nearly all marine habitats ranging from hydrothermal vent communities on the deep sea floor to intertidal and supratidal environments. They may occupy infaunal or epifaunal benthic settings or be nectonic. Because of this wide range of habitat preferences, studies of biodiversity and trophic organization would be incomplete without considering this species group.

Decapods are extremely rare in Paleozoic rocks, they increased in number and variety rapidly in the Mesozoic, and they exhibited great diversity in rocks ranging from Eocene to the present day. Fossil decapods have fascinated natural historians and paleontologists since the late 18<sup>th</sup> Century, and throughout the 19<sup>th</sup> Century the number of recognized genera and species increased rapidly. Inevitably, the limitations of literature availability and international communication resulted in a proliferation of names, many of which were later judged to be synonymous. The first major attempt to sort out synonymous names and to catalogue the then-known species was that of M. F. Glaessner's "Crustacea Decapoda", published in 1929 as Part 41 of *Fossilium Catalogus I: Animalia*, edited by J. F. Pompeckj. This monumental work recognized about 1349 species of fossil decapods arrayed in about 317 genera and stands as the primary entrée into older paleontological literature even today. This work provided ages, geographic distributions, classification, and synonymies of all known fossil decapods.

Placement of fossil decapods in higher taxa has been a straightforward exercise for those forms, primarily Cenozoic in age, that exhibit very close morphological affinities with extant forms. However, many ancient decapods are morphologically quite distinctly dissimilar from known modern animals and, therefore, they pose special problems in classification. Modern classification of Decapoda is largely based upon characters of the anatomy that only rarely

are preserved in the fossil record, such as the maxillipeds and the reproductive structures. Therefore, it is necessary to employ morphological features that are preserved on fossils and relate those attributes to comparable features on extant forms. These so-called proxy characters (Schweitzer, 2003) provide a bridge that permits enriching our understanding of decapod history by placement of fossil taxa within classification schemes developed solely for extant forms. One effort to do so has been widely accepted and is cited in both paleontological and neontological studies, M. F. Glaessner's "Decapoda", published in 1969 as Part R, Arthropoda 4, Volume 2 of the "Treatise on Invertebrate Paleontology", edited by R. C. Moore. This work included a classification of genera into suprageneric ranks, but it does not present a comprehensive listing of species. The two works by Glaessner (1929, 1969) have formed the major bases for research on fossil decapods over the past four decades.

In the past four decades, the volume of literature on fossil decapods has grown at a rapid pace as has the study of living forms. As a result, the number of fossil decapods has increased enormously since 1929 and the classification of extant decapods has changed dramatically from the classification proposed by Glaessner (1969). Our current work, as of the first quarter of 2009, lists 3270 species of decapods arrayed within 916 genera and 178 families. An analysis of the history of classification is not relevant here, but suffice it that one recent classification has emerged as a platform for modern studies (Martin & Davis, 2001). Their classification was developed as a consensus arrangement resulting from consultation and input from carcinologists all over the world, and it appears to continue to be widely used. From the paleontological point of view, the classification suffers from not having incorporated taxa that are now extinct. At present, therefore, paleontologists studying decapods must rely on a massive, diffuse literature on generic and species occurrences published since 1929 and an excellent classification scheme that does not consider fossil taxa.

Because the classification of Martin & Davis (2001) did not include extinct taxa and because a large volume of systematic literature has been published subsequently, the present work reflects a significant modification of their classification. The purposes of this work are to present a compilation of all species of fossil decapods known to us, to place them in a classification framework substantially modified from that of Martin & Davis (2001), and to provide a complete list of references to the naming of species and higher level taxa employed in the classification.

Placement of fossil taxa into the modern classification of extant decapods has been done in two ways, based upon studies published in the last few

decades. Many of the placements, including those of the Prosopidae *sensu* Glaessner, 1969 (cf. Feldmann et al., 2006; Schweitzer et al., 2007; Schweitzer & Feldmann, 2008b, 2008 [imprint 2007], 2009a-d) and the Raninoidea De Haan, 1841 (cf. Feldmann, 1992; Feldmann & Schweitzer, 2007; Feldmann et al., 2007), have been made using extremely detailed, but admittedly subjective, use of proxy characters. These placements have been examined by many paleontologists and have been sustained. Other assignments of fossil taxa have resulted from phylogenetic studies employing cladistic analyses. Amati et al. (2004) analysed characters from 31 fossil and extant decapods that established relationships within the Astacidea Latreille, 1802; Patek et al. (2006) developed phylogenetic hypotheses for the Palinura Latreille, 1802; Karasawa et al. (2008) placed the Portunoidea Rafinesque, 1815, within a phylogenetic context; Karasawa & Schweitzer (2006) re-evaluated the Xanthoidea MacLeay, 1838 *sensu lato*; and Karasawa & Kato (2001, 2003) performed phylogenetic analyses of the Grapsidae MacLeay, 1838, and Goneplacidae MacLeay, 1838, respectively. Although selection of characters for these analyses also introduces an element of subjectivity, the procedure is as rigorous as any currently available.

The classification of fossil decapod species must, of necessity, be considered a work in progress as research on the group increases. However, it is hoped that providing a comprehensive list of species and references to their naming, placed within a modern classification, will provide additional incentive for workers to continue research on this important group of organisms.

## TAXONOMIC AND LITERATURE CONVENTIONS EMPLOYED

**Conventions employed within the text.** — Throughout the text, family names are printed in **bold face**. When the family and/or genus within a family contains fossil and extant species, the name of the taxon is followed by a dagger (†). When the taxon is represented only by extinct forms, it is denoted by a double dagger (††). Absence of the dagger symbol reflects a taxon known only from extant forms. All recognized families are placed within the classification and, in the event that there are no fossil representatives, that is so indicated. If all species within a genus are extinct, we did not place a double dagger after each species. Families, genera, and species are placed in alphabetical order in their respective lists.

The three numbers in parentheses following a generic name denote the number of species within the genus. The first number indicates the number of extant species; the second number indicates the number of species known from extant and fossil occurrences; and the third number indicates species known only from fossil occurrences. The tallies of fossil species are derived from this work: those of extant species are taken from various sources, including Baba et al. (2008) for the Galatheoidea; Ng et al. (2008) for the Brachyura; Patek et al. (2006) for some Palinura and Nephropidae; and unpublished estimates made by K. A. Crandall, S. De Grave, D. L. Felder, and J. W. Martin in generic-level compilations prepared as part of the NSF-funded AToL grant, “Morphological and Molecular Phylogeny of the Decapod Crustaceans”.

**Taxonomic decisions.** — Every attempt has been made to assign species-level taxa to the genus currently held to be valid. Because systematic placement is subjective, and because evaluation of these taxa is an on-going process, it is only possible to indicate that placements herein represent our understanding of best current practice. The more important consideration is that the list of genera and species be as complete as possible. Individual taxa can then readily be re-evaluated and reassigned, if necessary, based upon new information.

Only one nomenclatorial decision has been made herein. The genus *Eoplax* Müller & Collins, 1991, is the junior homonym of *Eoplax* Ashby & Cotton, 1936. For this reason, we suggest the replacement name, *Muelleroplax* new name, for *Eoplax* Müller & Collins, 1991, in recognition of the contributions

of Pál Müller, Hungarian Geological Institute, Budapest, to our understanding of decapod paleontology in Europe.

**Authorships within the classification.** — With few exceptions, the authorship of taxa has been verified by examination of the original work. Where that was not possible, primary literature was employed. The intent was to assign authorship as accurately as possible. For example, taxa named within the volume by Lőrenthey & Beurlen (1929) are frequently cited as having been authored by both; however, Lőrenthey was the author of most of the genera and species and the authorship herein is cited as Lőrenthey *in* Lőrenthey & Beurlen.

Determining the correct publication and date of publication, also presented challenges in several cases. The overarching principle was to assign as accurate a date of publication of taxa as possible while, at the same time, permitting recognition of the appropriate title for bibliographic purposes. For example, many of the taxa described by J. D. Dana are often attributed to his massive two-volume work, “United States Exploring Expedition during the Years 1838, 1839, 1840, 1841, 1842, under the Command of Charles Wilkes, U.S.N., Vol. XIII, Crustacea”. The taxa discussed therein, however, were first described in a series of shorter works published in various outlets, and we have taken these to represent the actual dates of publication of the new taxa. Other works were published over a long period of time and the actual date of the part of the publication in which new taxa are reported are cited as, for example, H. Milne Edwards, 1834 [in 1834-1840]. In other cases, conflicting indication of dates has arisen because of the date of the imprint on the volume and the actual date of issue. We have adopted the following notation to avoid confusion: Bachmayer, 1953 [imprint 1951]. The actual date of appearance of the work was 1953 and that must be taken as the date of authorship. The imprint date is simply the date imprinted on the publication but in these cases is not the date of publication. Also noted was the attribution of the date when a paper was read as opposed to the date of publication of the proceedings volume. That was treated as follows: Stimpson, 1859 [read 1858].

**Citations in the references.** — Every attempt has been made to identify the precise work in which each of the taxonomic names were first named by using the same notations in the systematic list as in the references; that is, using 1953a, 1953b, when several papers by the same author appeared in the same year. When several multiple-authored papers appeared in the same year, enough of the authors are cited in the list to permit identifying the precise paper in the references.

For ease of locating authors with names bearing prefixes, all are alphabetized according to the first letter of the prefix. As much as could be determined, the prefixes were capitalized or set in lower case depending on what we determined was the usage of the original author. Thus, De Haan, De Man, d'Orbigny are placed in alphabetical order within the references within the letter "D." Similarly, Van Straelen and Von der Marck are arrayed within the letter "V." Yet, in order to facilitate retrieval of authors in the References, especially when it is not perfectly clear whether or not an author's name has a prefix, cross-references are added, as, e.g., "Straelen, V. Van *see* Van Straelen, V."

It should be noted, though, that capitalization of the prefix is different in the various countries: at least in Germany and the Netherlands, the prefix has a lower case initial when used in combination with the initial(s) of the author's forename(s) but has an initial capital when the surname is used without initials: e.g., in "W. de Haan" the prefix is written as "de", whereas in "(De Haan, 1833)" the "D" is capitalized. In Belgium, France, and Italy (at least), customs are different: there the prefix has a capital or lower case irrespective of the use of the initials: e.g., "S. De Grave". Thus, also "M. de Saint Laurent" remains "de Saint Laurent, M.", etc.

## ACKNOWLEDGEMENTS

This work is a contribution to the group of principal investigators on the National Science Foundation Collaborative Research grant, “AToL: Morphological and Molecular Phylogeny of the Decapod Crustaceans” including K. A. Crandall, D. L. Felder, R. M. Feldmann, N. L. Hanegan, J. W. Martin, and C. E. Schweitzer. The suprageneric classification, originally derived from Martin & Davis (2001) has been vetted and augmented by this group, as well as by S. De Grave, Oxford University, and their contributions are gratefully acknowledged. Our sincere thanks to these individuals for their considerable contribution. Placement of extinct taxa within the classification, originally limited to extant taxa, and modifications to the Martin & Davis classification is the responsibility of Schweitzer and Feldmann. The comments of two anonymous reviewers as well as of De Grave on the manuscript were extremely helpful. The errors and omissions are solely the responsibility of the authors. Contribution supported by the Office of Research and Sponsored Programs and the Department of Geology, Kent State University, and NSF EF 0531670 to R. M. Feldmann and C. E. Schweitzer.



## A CLASSIFICATION OF THE FOSSIL DECAPOD CRUSTACEANS

Please note that the indication “(type)” identifies the type-species of the genus at issue.

Order DECAPODA Latreille, 1802

Suborder DENDROBRANCHIATA Bate, 1888

Superfamily Penaeoidea Rafinesque, 1815

Family **Aegeridae**<sup>††</sup> Burkenroad, 1963

*Acanthochirana*<sup>††</sup> Strand, 1928 (= *Acanthochirus* Oppel, 1862 *non* Peters, 1861) (0, 0, 5)

*A. angulata* Oppel, 1862

*A. cenomanica* Glaessner, 1946

*A. cordata* (Münster, 1839) (type) (= *A. longipes* Oppel, 1862)

*A. krausei* Förster, 1967a

*A. smithwoodwardi* (Van Straelen, 1940a)

*Aeger*<sup>††</sup> Münster, 1839 (0, 0, 20)

*A. brevirostris* Van Straelen, 1923a

*A. brodiei* Woodward, 1888

*A. elegans* Münster, 1839

*A. elongatus* Garassino & Teruzzi, 1990

*A. foersteri* Garassino & Teruzzi, 1990

*A. franconicus* Förster, 1980

*A. gracilis* Förster & Crane, 1984

*A. hidalguensis* Feldmann et al., 2007

*A. insignis* Oppel, 1862

*A. laevis* (Blake, 1876)

*A. lehmanni* (Langenhan, 1910)

*A. libanensis* Roger, 1946

*A. macropus* Garassino & Teruzzi, 1990

*A. marderi* Woodward, 1866a

*A. muensteri* Garassino & Teruzzi, 1990

*A. robustus* Garassino & Teruzzi, 1990

*A. rostrospinatus* Garassino & Teruzzi, 1990

*A. spinipes* (Desmarest, 1822)

*A. straeleni* Glaessner, 1929a

*A. tipularius* (Schlotheim, 1822) (type) (= *A. armatus* Oppel, 1862)

**Aristeidae**<sup>†</sup> Wood-Mason, 1891

*Archeosolenocera*<sup>††</sup> Carriol & Riou, 1991 (0, 0, 1)

*A. straeleni* Carriol & Riou, 1991

**Benthescymidae**<sup>†</sup> Wood-Mason, 1891

*Benthescymus*<sup>†</sup> Bate, 1881 (16, 0, 1)

*B. libanensis*<sup>††</sup> (Brocchi, 1875)

**Carpopenaeidae**<sup>††</sup> Garassino, 1994

*Carpopenaeus*<sup>††</sup> Glaessner, 1946 (0, 0, 3)

*C. callirostris* Glaessner, 1946 (type) (= *Pseudastacus dubertreti* Roger, 1946)

*C. peterbuergeri* Schweigert & Garassino, 2005a

*C. septemspinatus* (Dames, 1886)

**Penaeidae**<sup>†</sup> Rafinesque, 1815

*Albertoppelia*<sup>††</sup> Schweigert & Garassino, 2004 (0, 0, 1)

*A. kuempeli* Schweigert & Garassino, 2004 (type)

*Ambilobeia*<sup>††</sup> Garassino & Pasini, 2002 (0, 0, 1)

*A. karojo* Garassino & Pasini, 2002 (type)

*Antrimpos*<sup>††</sup> Münster, 1839 (0, 0, 15)

*A. atavus* (Bill, 1914)

*A. crassipes* (Bronn, 1858)

*A. intermedius* Oppel, 1862 (= *A. dubius* Münster, 1839; *A. tridens* Münster, 1839)

*A. juvavensis* Van Straelen, 1940a

*A. kiliani* Van Straelen, 1923a

*A. latipes* (Oppel, 1862)

*A. liasicus* (Oppel, 1862)

*A. meyeri* (Oppel, 1862) (= *A. senidens* Münster, 1839; *Koelga quadridens* Münster, 1839; *K. dubia* Münster, 1839; *K. tridens* Münster, 1839)

*A. mirigiolensis* Etter, 1994

*A. monodon* Münster, 1839

*A. noricus* Pinna, 1974

*A. ? secretaniae* Carriol & Riou, 1991

*A. sharpi* (Woodward, 1869)

*A. speciosus* Münster, 1839 (type) (= *A. angustus* Münster, 1839; *A. bidens* Münster, 1839; *A. decembens*

Münster, 1839; *A. trifidus* Münster, 1839; *Koelga quindens* Münster, 1839; *K. gibba* Münster, 1839; *K. septidens* Münster, 1839; *K. laevirostris* Münster, 1839)

*A. undenarius* Schweigert, 2001

*Bombur*<sup>††</sup> Münster, 1839 (0, 0, 2)

*B. aonis* Bronn, 1858

*B. complicatus* Münster, 1839 (type)

*Bylgia*<sup>††</sup> Münster, 1839 (0, 0, 4)

*B. haeberleini* (Münster, 1839)

*B. ruedeli* Schweigert & Garassino, 2004

*B. spinosa* Münster, 1839 (type)

*B. hexadon* Münster, 1839

*Carinacaris*<sup>††</sup> Garassino, 1994 (0, 0, 1)

*C. teruzzii* Garassino, 1994 (type)

*Cretapenaeus*<sup>††</sup> Garassino, Pasini & Dutheil, 2006 (0, 0, 1)

*C. berberus* Garassino et al., 2006 (type)

*Drobna*<sup>††</sup> Münster, 1839 (0, 0, 1)

*D. deformis* Münster, 1839 (type)

*Dusa*<sup>††</sup> Münster, 1839 (= *Palaeodusa* Pinna, 1974) (0, 0, 5)

*D. aranae* Schweigert, 2002

*D. bronni* Münster, 1839

*D. denticulata* Münster, 1839

*D. longipes* (Pinna, 1974)

*D. monocera* Münster, 1839 (type)

*Hakelocaris*<sup>††</sup> Garassino, 1994 (0, 0, 1)

*H. vavassorii* Garassino, 1994 (type)

*Ifasya*<sup>††</sup> Garassino & Teruzzi, 1995b (0, 0, 2)

*I. madagascariensis* (Van Straelen, 1933a)

*I. straeleni* Garassino & Teruzzi, 1995b (type)

*Koelga*<sup>††</sup> Münster, 1839 (0, 0, 2)

*K. curvirostris* Münster, 1839 (type)

*K. muensteri* Schweigert & Garassino, 2004

*Libanocaris*<sup>††</sup> Garassino, 1994 (0, 0, 1)

*L. rogeri* Garassino, 1994 (type)

*Longichela*<sup>††</sup> Garassino & Teruzzi, 1993 (0, 0, 1)

- L. orobica* Garassino & Teruzzi, 1993 (type)  
*Macropenaeus*<sup>††</sup> Garassino, 1994 (0, 0, 1)  
*M. incertus* (Roger, 1946) (type)  
*Microchela*<sup>††</sup> Garassino, 1994 (0, 0, 1)  
*M. rostrata* Garassino, 1994 (type)  
*Micropenaeus*<sup>††</sup> Bravi & Garassino, 1998a (0, 0, 1)  
*M. tenuirostris* Bravi & Garassino, 1998a (type)  
*Penaeus*<sup>†</sup> Fabricius, 1798 (= *Pseudocrangon* Schlüter, 1862) (3, 0, 18)  
*P. arambourgi*<sup>††</sup> Roger, 1946  
*P. barmerensis*<sup>††</sup> Tiwari, 1963  
*P. bolcensis*<sup>††</sup> Secretan, 1975  
*P. cornappensis*<sup>††</sup> Garassino, 1998  
*P. furensis*<sup>††</sup> Garassino & Harper, 2004  
*P. glaessneri*<sup>††</sup> Tiwari, 1963  
*P. hamleti*<sup>††</sup> Garassino & Harper, 2004  
*P. kapurdii*<sup>††</sup> Prasad, 1966  
*P. maddeni*<sup>††</sup> Feldmann, Chirino-Galvez, Mason, Anderson, Duncan, Ward & Salem, 1993  
*P. natator*<sup>††</sup> Glaessner, 1946  
*P. obtusus*<sup>††</sup> Secretan, 1975  
*P. smyrnacus*<sup>††</sup> Van Straelen, 1940a  
*P. sorbinii*<sup>††</sup> Beschin & Garassino, 1999  
*P. spectabilis*<sup>††</sup> (Von der Marck, 1863)  
*P. tenuicauda*<sup>††</sup> (Von der Marck, 1858)  
*P. vanzii*<sup>††</sup> Beschin & Garassino, 1999  
*P. vernassensis*<sup>††</sup> Garassino & Teruzzi, 1995a  
*P. wenasogensis*<sup>††</sup> Rathbun, 1926a  
*Pseudobombur*<sup>††</sup> Secretan, 1975 (0, 0, 1)  
*P. nummuliticus* Secretan, 1975 (type)  
*Pseudodusa*<sup>††</sup> Schweigert & Garassino, 2004 (0, 0, 1)  
*P. frattigianii* Schweigert & Garassino, 2004 (type)  
*Rauna*<sup>††</sup> Münster, 1839 (0, 0, 1)  
*R. angusta* Münster, 1839 (type)  
*Rhodanicaris*<sup>††</sup> Van Straelen, 1924 [imprint 1925] (0, 0, 1)  
*R. depereti* Van Straelen, 1924 [imprint 1925] (type)  
*Satyrocaris*<sup>††</sup> Garassino & Teruzzi, 1993 (0, 0, 1)

*S. cristatus* Garassino & Teruzzi, 1993 (type)

**Sicyoniidae**<sup>†</sup> Ortman, 1898

*Sicyonia*<sup>†</sup> H. Milne Edwards, 1830 (52, 0, 1)

*S. roemeri*<sup>††</sup> (Von der Marck, 1858) (type)

**Solenoceridae** Wood-Mason, 1891

No fossil representatives

Superfamily Sergestoidea Dana, 1852a

Family **Luciferidae** De Haan, 1849

No fossil representatives

**Sergestidae**<sup>†</sup> Dana, 1852a

*Cretasergestes*<sup>††</sup> Garassino & Schweigert, 2006a (0, 0, 1)

*C. sahelalmaensis* Garassino & Schweigert, 2006a  
(type)

*Paleomattea*<sup>††</sup> Maisey & De Carvalho, 1995 (0, 0, 1)

*P. deliciosa* Maisey & De Carvalho, 1995 (type)

Suborder PLEOCYEMATA Burkenroad, 1963

Infraorder STENOPODIDEA Claus, 1872

Family **Macromaxillocarididae** Alvarez et al., 2006

No fossil representatives

**Spongicolidae**<sup>†</sup> Schram, 1986

*Jilinicaris*<sup>††</sup> Schram, Yanbin, Vonk & Taylor, 2000  
(0, 0, 1)

*J. chinensis* Schram et al., 2000 (type)

**Stenopodidae**<sup>†</sup> Claus, 1872

*Phoenice*<sup>††</sup> Garassino, 2001 (0, 0, 1)

*P. pasinii* Garassino, 2001 (type)

Infraorder CARIDEA Dana, 1852a

Superfamily Procaridoidea Chace & Manning, 1972

Family **Procarididae** Chace & Manning, 1972

No fossil representatives

Family uncertain

*Udora*<sup>††</sup> Münster, 1839 (0, 0, 5)

*U. bigoti* Van Straelen, 1924 [imprint 1925]

*U. brevispina* Münster, 1839 (type) (= *U. rarispina*  
Münster, 1839)

*U. gevreyi* Van Straelen, 1923a

*U. koschnyi* Schweigert & Garassino, 2004

*U. minuta* Van Straelen, 1923a

- Superfamily Galatheacaridoidea Vereshchaka, 1997  
 Family **Galatheacarididae** Vereshchaka, 1997  
 No fossil representatives
- Superfamily Pasiphaeoidea Dana, 1852a  
 Family **Pasiphaeidae**<sup>†</sup> Dana, 1852a  
*Pasiphaea*<sup>†</sup> Savigny, 1816 (61, 0, 1)  
*P. mortua*<sup>††</sup> Smirnov, 1929
- Superfamily Oplophoroidea Dana, 1852a  
 Family **Oplophoridae**<sup>†</sup> Dana, 1852a  
*Notostomus*<sup>†</sup> A. Milne-Edwards, 1881a (9, 0, 1)  
*N. cretaceus*<sup>††</sup> Roger, 1946  
*Odontochelion*<sup>††</sup> Garassino, 1994 (0, 0, 1)  
*O. cretaceum* (Roger, 1946) (type)  
*Oplophorus*<sup>†</sup> H. Milne Edwards, 1837 [in 1834-1840]  
 (4, 0, 3)  
*O. marcki*<sup>††</sup> Schlüter in Schlüter & Von der Marck, 1868  
*O. rosselli*<sup>††</sup> Vía, 1971  
*O. syriacus*<sup>††</sup> Roger, 1946  
*Tonellocaris*<sup>††</sup> Garassino, 1998 (0, 0, 1)  
*T. brevirostrata* Garassino, 1998 (type)
- Superfamily Atyoidea De Haan, 1849  
 Family **Atyidae**<sup>†</sup> De Haan, 1849  
*Caridina*<sup>†</sup> H. Milne Edwards, 1837 [in 1834-1840]  
 (272, 0, 1)  
*C. nitida*<sup>††</sup> A. Milne-Edwards, 1879  
*Delclosia*<sup>††</sup> Rabadà, 1993 (0, 0, 2)  
*D. martinelli* Rabadà, 1993 (type)  
*D. roselli* (Vía, 1971)
- Superfamily Bresilioidea Calman, 1896  
 Family **Agostocarididae** Hart & Manning, 1986  
 No fossil representatives
- Alvinocarididae**<sup>†</sup> Christoffersen, 1986  
*Harthofia*<sup>††</sup> Polz, 2007 (0, 0, 2)  
*H. bergeri* Polz, 2007  
*H. blumenbergi* Polz, 2007
- Bresiliidae** Calman, 1896  
 No fossil representatives
- Pseudochelidae** De Grave & Moosa, 2004

- No fossil representatives
- Superfamily Nematocarcinoidea Smith, 1884
- Family **Eugonatonotidae** Chace, 1937
- No fossil representatives
- Nematocarcinidae** S. I. Smith, 1884
- No fossil representatives
- Rhynchocinetidae** Ortmann, 1890
- No fossil representatives
- Xiphocarididae** Ortmann, 1895
- No fossil representatives
- Superfamily Psalidopodoidea Wood-Mason & Alcock, 1892
- Family **Psalidopodidae** Wood-Mason & Alcock, 1892
- No fossil representatives
- Superfamily Stylodactyloidea Bate, 1888
- Family **Stylodactylidae** Bate, 1888
- No fossil representatives
- Superfamily Campylonotoidea Sollaud, 1913
- Family **Bathypalaemonellidae** de Saint Laurent, 1985
- No fossil representatives
- Campylonotidae** Sollaud, 1913
- No fossil representatives
- Superfamily Palaemonoidea Rafinesque, 1815
- Family **Anchistioididae** Borradaile, 1915
- No fossil representatives
- Desmocarididae** Borradaile, 1915
- No fossil representatives
- Gnathophyllidae** Dana, 1852a
- No fossil representatives
- Hymenoceridae** Ortmann, 1890
- No fossil representatives
- Kakaducarididae** Bruce, 1993
- No fossil representatives
- Palaemonidae**<sup>†</sup> Rafinesque, 1815
- Alburnia*<sup>††</sup> Bravi & Garassino, 1998b (0, 0, 1)
- A. petinensis* Bravi & Garassino, 1998b (type)
- Bechleja*<sup>††</sup> Houša, 1957 [imprint 1956] (0, 0, 4)
- B. bahiaensis* Martins-Neto & Mezzalira, 1991b
- B. inopinata* Houša, 1957 [imprint 1956] (type)

- B. robusta* Martins-Neto & Mezzalira, 1991b  
*B. rostrata* Feldmann et al., 1981  
*Beurlenia*<sup>††</sup> Martins-Neto & Mezzalira, 1991a (0, 0, 1)  
*B. araripensis* Martins-Neto & Mezzalira, 1991a (type)  
*Micropsalis*<sup>††</sup> Von Meyer, 1859 (0, 0, 2)  
*M. bolcensis* Schauroth, 1865  
*M. papyracea* Von Meyer, 1859 (type)  
*Palaemon*<sup>†</sup> Weber, 1795 (42, 0, 6)  
*P. antonellae*<sup>††</sup> Garassino & Bravi, 2003  
*P. bahiaensis*<sup>††</sup> Beurlen, 1950  
*P. exul*<sup>††</sup> Fritsch, 1872  
*P. fabricii*<sup>††</sup> Michelotti, 1861  
*P. mortuus*<sup>††</sup> Smirnov, 1929  
*P. vesolensis*<sup>††</sup> Bravi et al., 1999  
*Propalaemon*<sup>††</sup> Woodward, 1903 (0, 0, 3)  
*P. longispinata* Martins-Neto & Mezzalira, 1991b  
*P. minor* Woodward, 1903  
*P. osborniensis* Woodward, 1903 (type)  
*Pseudocaridinella*<sup>††</sup> Martins-Neto & Mezzalira, 1991b  
(0, 0, 2)  
*P. roxoi* (Beurlen, 1950)  
*P. tremembeensis* (Beurlen, 1950)  
*Schmelingia*<sup>††</sup> Schweigert, 2002 (0, 0, 1)  
*S. wulfi* Schweigert, 2002 (type)  
*Yongjicaris*<sup>††</sup> Garassino, Yanbin, Schram & Taylor, 2002  
(0, 0, 1)  
*Y. zhejiangensis* Garassino et al., 2002 (type)
- Typhlocarididae** Annandale & Kemp, 1913  
No fossil representatives
- Superfamily Alpheoidea Rafinesque, 1815  
Family **Alpheidae** Rafinesque, 1815  
No fossil representatives
- Hippolytidae** Bate, 1888  
No fossil representatives
- Ogyrididae** Holthuis, 1955  
No fossil representatives
- Superfamily Processoidea Ortmann, 1890  
Family **Processidae** Ortmann, 1890



- No fossil representatives
- Superfamily Pandaloidea Haworth, 1825
- Family **Pandalidae**<sup>†</sup> Haworth, 1825
- Pandalus*<sup>†</sup> Leach, 1814 (21, 0, 1)
- P. orientalis*<sup>††</sup> Niino, 1951
- Thalassocarididae** Bate, 1888
- No fossil representatives
- Superfamily Phyetocaridoidea Chace, 1940
- Family **Phyetocarididae** Chace, 1940
- No fossil representatives
- Superfamily Crangonoidea Haworth, 1825
- Family **Crangonidae**<sup>†</sup> Haworth, 1825
- Crangon*<sup>†</sup> Fabricius, 1798 (19, 0, 2)
- C. ? magnevillei*<sup>††</sup> Eudes-Deslongchamps, 1835
- C. miocenicus*<sup>††</sup> (Garassino & Teruzzi, 1996) (= *Bannikovia*<sup>††</sup> Garassino & Teruzzi, 1996; *Longitergite* Garassino & Teruzzi, 1996)
- Morscrangon*<sup>††</sup> Garassino & Jakobsen, 2005 (0, 0, 1)
- M. acutus* Garassino & Jakobsen, 2005 (type)
- Glyphocrangonidae** Smith, 1884
- No fossil representatives
- Udorellidae**<sup>††</sup> Van Straelen, 1924 [imprint 1925]
- Udorella*<sup>††</sup> Opper, 1862 (0, 0, 1)
- U. agassizi* Opper, 1862 (type)
- Superfamily Pleopteryxoidea Schweigert & Garassino, 2006
- Family **Pleopteryxidae**<sup>††</sup> Schweigert & Garassino, 2006
- Pleopteryx*<sup>††</sup> Schweigert & Garassino, 2004 (0, 0, 1)
- P. kuempeli* Schweigert & Garassino, 2004 (type)
- Caridean Superfamily & Family uncertain**
- Acanthinopus*<sup>††</sup> Pinna, 1974 (0, 0, 1)
- A. gibbosus* Pinna, 1974 (type)
- Alcmonacaris*<sup>††</sup> Polz, 2009 [imprint 2008] (0, 0, 1)
- A. winkleri* Polz, 2009 [imprint 2008] (type)
- Blaculla*<sup>††</sup> Münster, 1839 (0, 0, 3)
- B. brevipes* Münster, 1839
- B. nikoides* Münster, 1839 (type)
- B. sieboldi* Opper, 1862
- Buergerocaris*<sup>††</sup> Schweigert & Garassino, 2004 (0, 0, 1)

- B. psittacoides* Schweigert & Garassino, 2004 (type)  
*Hefriga*<sup>††</sup> Münster, 1839 (0, 0, 3)  
*H. frischmanni* Opper, 1862  
*H. proboscideawulfi* Schweigert & Garassino, 2004  
*H. serrata* Münster, 1839 (type)  
*Gampsurus*<sup>††</sup> Von der Marck, 1863 (0, 0, 1)  
*G. dubius* Von der Marck, 1863 (type)  
*Leiothorax*<sup>††</sup> Pinna, 1974 (0, 0, 1)  
*L. triasicus* Pinna, 1974 (type)  
*Parvocaris*<sup>††</sup> Bravi & Garassino, 1998a (0, 0, 1)  
*P. samnitica* Bravi & Garassino, 1998a (type)  
*Pinnacaris*<sup>††</sup> Garassino & Teruzzi, 1993 (0, 0, 1)  
*P. dentata* Garassino & Teruzzi, 1993 (type)  
 Caridea incertae sedis  
     “*Dusa*” *bronni* Opper, 1862  
 Infraorder GLYPHEOIDEA<sup>†</sup> Winkler, 1882  
     Superfamily Glypheoidea Winkler, 1883  
         Family **Chimaerastacidae**<sup>††</sup> Amati, Feldmann & Zonneveld, 2004  
             *Chimaerastacus*<sup>††</sup> Amati, Feldmann & Zonneveld, 2004  
                 (0, 0, 1)  
             *C. pacifluvialis* Amati et al., 2004 (type)  
         **Glypheidae**<sup>†</sup> Winkler, 1883  
             *Cedrilloisia*<sup>††</sup> Garassino, Artal & Pasini, 2009a (0, 0, 1)  
                 *C. jurassica* Garassino, Artal & Pasini, 2009a (type)  
             *Glyphea*<sup>††</sup> Von Meyer, 1835 (= *Paraglyphea* Beurlen, 1928a) (0, 0, 53)  
                 *G. alexandri* Taylor, 1979  
                 *G. ambigua* (Von Fritsch, 1870)  
                 *G. arborinsularis* Etheridge, Jr., 1917  
                 *G. australensis* Feldmann et al., 1993  
                 *G. bathonica* de Ferry, 1865  
                 *G. bicarinata* Van Straelen, 1924 [imprint 1925]  
                 *G. bohémica* Fritsch & Kafka, 1887  
                 *G. calloviensis* H. Woods, 1927  
                 *G. ? carinata* Tribolet, 1874  
                 *G. (?) carolinensis* Rathbun, 1935a  
                 *G. carteri* Bell, 1863  
                 *G. christeyi* Feldmann & Maxwell, 1999

- G. ? couloni* Tribolet, 1874  
*G. crassa* Oppel, 1861  
*G. cretacea* McCoy, 1854  
*G. damesi* Garassino, 2001  
*G. eureka* Damborenea & Manceñido, 1987  
*G. ferruginea* Blake & Hudleston, 1877  
*G. foresti* Feldmann & de Saint Laurent, 2002  
*G. garasbaaensis* Garassino, De Angeli & Pasini, 2008  
*G. georgianus* Taylor, 1979  
*G. gussmanni* Schütze, 1907  
*G. hennigi* Beurlen, 1933  
*G. jeletzkyi* Feldmann & McPherson, 1980  
*G. jurensis* Oppel, 1861 (= *G. dietleni* Schütze, 1907)  
*G. liasina* Von Meyer, 1840a  
*G. lyrica* Blake, 1876  
*G. ? mazetieri* Hée, 1924  
*G. ? meyeri* Roemer, 1836  
*G. ? meyeri* Tribolet, 1875  
*G. micheleae* Schweitzer & Feldmann, 2001a  
*G. munsteri* (Voltz, 1835) (= *G. speciosa* Von Meyer, 1835)  
*G. ? neocomiensis* Robineau-Desvoidy, 1849  
*G. oculata* J. Woods, 1957  
*G. prestwichi* H. Woods, 1929  
*G. pseudoscyllarus* (Schlotheim, 1822)  
*G. regleyana* (Desmarest, 1822) (type) (= *G. martini* Étallon, 1861; *G. perroni* Étallon, 1861; *G. vulgaris* Von Meyer, 1836; *Palinurus longebrachiatus* Eudes-Deslongchamps, 1842)  
*G. reticulata* Feldmann & Gaździcki, 1997  
*G. ? riasi* Van Straelen, 1924 [imprint 1925]  
*G. rigoi* Garassino, 2000  
*G. robusta* Feldmann & McPherson, 1980  
*G. rosenkrantzi* Van Straelen, 1929  
*G. serratosai* Dupuy-Revilla, 1956  
*G. solitaria* Oppel, 1861  
*G. ? spinulosa* Van Straelen, 1924 [imprint 1925]  
*G. stilwelli* Feldmann, 1993

- G. ? tantalus* Wöhrmann in Wöhrmann & E. Koken, 1892
- G. tonelloi* Garassino, 1997
- G. tricarinata* Garassino, 1996
- G. vectensis* H. Woods, 1927
- G. viohli* Polz, 2000
- G. willetti* (Woodward, 1878)
- G. yoshiakii* Kato & Karasawa, 2006
- Litogaster*<sup>††</sup> Von Meyer, 1847a (0, 0, 6)
- L. ? luxoviensis* Étallon, 1859
- L. obtusa* Von Meyer, 1847a (type) [= *Brachygaster serrata* Von Meyer, 1847a; *L. venusta* Von Meyer, 1847a]
- L. ornata* Von Meyer, 1851a
- L. tietenbachensis* Assmann, 1927
- L. tuberculata* Assmann, 1927
- L. turnbullensis* Schram, 1971
- Paralitogaster*<sup>††</sup> Glaessner, 1969 (= *Aspidogaster* Assmann, 1927) (0, 0, 2)
- P. durlachensis* (Förster, 1967b)
- P. limicola* (König, 1920) (type)
- Squamosoglyphea*<sup>††</sup> Beurlen, 1930a (0, 0, 4)
- S. redenbacheri* Schweigert & Garassino, 2005b
- S. rogeri* Schweigert & Garassino, 2005b
- S. squamosa* (Münster, 1839)
- S. udressieri* (Von Meyer, 1840a) (type) (= *G. scabrosa* Philippi in Woodward & Salter, 1865; *S. squamifer* Eudes-Deslongchamps, 1842)
- Trachysoma*<sup>††</sup> Bell, 1858 (= *Glypheopsis* Beurlen, 1928a) (0, 0, 15)
- T. alpina* (Oppel, 1861a)
- T. antipodum* (Glaessner, 1960)
- T. bronniei* (Vosinsky, 1848) (= *Glyphea vosinskyi* Lahunen, 1894)
- T. cretacea* (McCoy, 1849)
- T. etalloni* (Oppel, 1861a)
- T. granulosa* (Beurlen, 1928a)
- T. heeri* (Oppel, 1861a)

- T. lundgreni* (Schlüter, 1874)  
*T. ornata* (Quenstedt, 1858)  
*T. pustulosa* (Von Meyer, 1840a)  
*T. rostrata* (Phillips, 1829) (= *Glyphea bradfordiensis*  
 Hée, 1924; *G. hispida* Carter, 1886; *G. stonesfieldensis*  
 Van Straelen, 1923b)  
*T. sanctaerucis* Collins, 1969  
*T. scabra* Bell, 1858 (type)  
*T. terquemi* (Oppel, 1861a)  
*T. ? tomesii* (Woodward, 1868a)

**Mecochiridae**<sup>††</sup> Van Straelen, 1924 [imprint 1925]

- Huhatanka*<sup>††</sup> Feldmann & West, 1978 (0, 0, 1)  
*H. kiowana* (Scott, 1970) (type)  
*Jabaloya*<sup>††</sup> Garassino, Artal & Pasini, 2009a (0, 0, 1)  
*J. aragonensis* Garassino, Artal & Pasini, 2009a (type)  
*Mecochirus*<sup>††</sup> Germar, 1827 (0, 0, 17) (= *Mecochiria*  
 Secretan, 1968)  
*M. chilensis* Förster & Von Hillebrandt, 1984  
*M. clypeatus* Carter, 1898  
*M. dubius* (Münster, 1839)  
*M. eckerti* Frentzen, 1937a  
*M. foresti* (Secretan, 1968)  
*M. germari* Garassino, 1996  
*M. grandis* Quenstedt, 1856  
*M. houdardi* Van Straelen, 1936a  
*M. leionoton* (Krause, 1891)  
*M. longimanatus* (Schlotheim, 1822) (type) (= *M. ba-*  
*jeri* Germar, 1827; *M. brevimanus* Münster, 1839;  
*M. locusta* Germar, 1827)  
*M. marwicki* Glaessner, 1960  
*M. minimus* (Hée, 1924)  
*M. olifex* Quenstedt, 1856  
*M. pearcei* McCoy, 1849  
*M. peytoni* Woodward, 1876a  
*M. rostratus* Collins & Rasmussen, 1992  
*M. socialis* Von Meyer, 1841  
*Meyeria*<sup>††</sup> McCoy, 1849 (0, 0, 10)  
*M. bolivari* Van Straelen, 1927

- M. crofti* Ball, 1960  
*M. gracilis* Glaessner, 1932a  
*M. harveyi* Woodward, 1900a  
*M. magna* McCoy, 1849  
*M. mexicana* Rathbun, 1935a  
*M. ornata* (Phillips, 1829) (type)  
*M. pueblaensis* Feldmann & Vega in Feldmann et al.,  
 1995  
*M. rapax* (Harbourt, 1905)  
*M. schwartzi* Kitchin, 1908  
 ? *Praeatya*<sup>††</sup> Woodward, 1868a (0, 0, 1)  
*P. scabrosa* Woodward, 1868a (type)  
*Pseudoglyphea*<sup>††</sup> Oppel, 1861a (= *Scapheus* Woodward,  
 1863; *Heteroglyphea* Colosi, 1921; *Triasiglyphea*  
 Van Straelen, 1936b) (0, 0, 17)  
*P. alpina* (Förster, 1971)  
*P. amalthea* Oppel, 1861a  
*P. ancylochelis* (Woodward, 1863)  
*P. etalloni* Oppel, 1862  
*P. eximia* Oppel, 1861a  
*P. foersteri* Feldmann et al., 2002  
*P. friulana* Garassino & Rigo, 2008  
*P. gigantea* Garassino & Teruzzi, 1993  
*P. grandis* (Von Meyer, 1837) (type) (= *P. winwoodi*  
 Woodward, 1868b)  
*P. hamifera* Tate in Tate & Blake, 1876  
*P. jourdani* (Dumortier, 1867)  
*P. mulleri* (Van Straelen, 1936b)  
*P. numismalis* (Oppel, 1854)  
*P. paronae* (Colosi, 1921)  
*P. spinosa* (Assmann, 1927)  
*P. straeleni* (Théobald, 1953)  
*P. terquemi* Oppel, 1861a  
 ? *Selenisca*<sup>††</sup> Von Meyer, 1847b (0, 0, 1)  
*S. gratiosa* Von Meyer, 1847b (type)  
**Pemphicidae**<sup>††</sup> Van Straelen, 1928a  
*Pemphix*<sup>††</sup> Von Meyer, 1840a (0, 0, 3)  
*P. malladai* Vía, 1971

*P. silesiacus* Assmann, 1927

*P. sueurii* (Desmarest, 1822) (type)

*Pseudopemphix*<sup>††</sup> Wüst, 1903 (0, 0, 3)

*P. albertii* (Von Meyer, 1840a) (type)

*P. fritschi* Wüst, 1903

*P. meyeri* (Alberti, 1864)

*Sinopemphix*<sup>††</sup> Fenglin, 1975 (0, 0, 1)

*S. guizhouensis* Fenglin, 1975 (type)

**Platychelidae**<sup>††</sup> Glaessner, 1969

*Glaessnericariss*<sup>††</sup> Garassino & Teruzzi, 1993 (0, 0, 2)

*G. dubia* (Pinna, 1974)

*G. macrochela* Garassino & Teruzzi, 1993 (type)

*Platychela*<sup>††</sup> Glaessner, 1931 (0, 0, 1)

*P. trauthi* Glaessner, 1931 (type)

*Platypleon*<sup>††</sup> Van Straelen, 1936b (0, 0, 1)

*P. nevadensis* Van Straelen, 1936b (type)

Superfamily Erymoidea Van Straelen, 1924 [imprint 1925]

**Erymidae**<sup>††</sup> Van Straelen, 1924 [imprint 1925]

*Clytiella*<sup>††</sup> Glaessner, 1931 (0, 0, 1)

*C. spinifera* Glaessner, 1931 (type)

*Clytiopsis*<sup>††</sup> Bill, 1914 (0, 0, 3)

*C. argentoratensis* Bill, 1914 (type)

*C. audax* (Von Meyer, 1834)

*C. thuringica* Förster, 1967b

*Enoploclytia*<sup>††</sup> McCoy, 1849 (0, 0, 19)

*E. armata* Secretan, 1964

*E. brevimana* McCoy, 1846 (type)

*E. collignoni* Secretan, 1964

*E. edwardsi* Sauvage, 1891

*E. eocenica* Garassino, Artal & Pasini, 2009d

*E. glaessneri* Van Straelen, 1936a

*E. granulicauda* Schlüter, 1862

*E. imagei* McCoy, 1849

*E. leachii* (Mantell, 1822) (type) [= *E. heterodon*  
Schlüter, 1862]

*E. minor* Woodward, 1900a

*E. paucispina* Schlüter, 1862

*E. salviensis* (Robineau-Desvoidy, 1849)

- E. sculpta* Rathbun, 1926a  
*E. seitzii* Glaessner, 1932a  
*E. triglypta* Stenzel, 1945  
*E. tumimanus* Rathbun, 1935a  
*E. tenuidigitata* Woods, 1957  
*E. wenoensis* Rathbun, 1935a  
*E. wintoni* Stenzel, 1945  
*Eryma*<sup>††</sup> Von Meyer, 1840b (= *Erymastacus* Beurlen, 1928a; *Klytia* Von Meyer, 1840a) (0, 0, 59)  
*E. affinis* de Ferry, 1865  
*E. americanum* Rathbun, 1923a  
*E. amalthei* (Quenstedt, 1851) [= *E. laedonensis* (Étallon, 1861); *E. propinqua* (Oppel, 1861b)]  
*E. anisodactylum* (Krause, 1891)  
*E. australe* Secretan, 1964  
*E. babeaui* Étallon, 1861  
*E. bedeltum* (Quenstedt, 1857) [= *Astacus birdii* Bean, 1839; *Glyphea aalensis* Quenstedt, 1857; *E. bizeti* (Morière, 1888); *Bolina etalloni* de Ferry, 1862; *Bolina girodi* Étallon, 1857; *E. greppini* (Oppel, 1861b); *Eryma wuerttembergica* Oppel, 1861b; *Eryma aspera* Oppel, 1861b; *Eryma elegans* Oppel, 1861b; *E. falcifera* (Morière, 1888); *Eryma corbieri* Morière, 1888; *E. gaiiffei* Méchin, 1901; *E. lemairei* Méchin, 1901; *E. authelini* Méchin, 1901; *E. oppeli* Beurlen, 1928a]  
*E. boloniensis* Sauvage, 1891  
*E. bordenensis* (Copeland, 1960)  
*E. burgundiacum* Crônier & Courville, 2004  
*E. caraboeufi* Morière, 1888  
*E. compressum* (Eudes-Deslongchamps, 1842)  
*E. corallinum* Van Straelen, 1924 [imprint 1925]  
*E. crassimanum* Krause, 1891  
*E. cretaceum* Roger, 1946  
*E. cumonti* Van Straelen, 1921a  
*E. curvum* Beurlen, 1928a  
*E. delphinensis* Moret, 1946  
*E. deslongchampsii* Van Straelen, 1924 [imprint 1925]



- E. dutertrei* Sauvage, 1891  
*E. foersteri* Feldmann, 1979  
*E. flectum* Rathbun, 1926a  
*E. fossatum* Krause, 1891  
*E. georgei* (Carter, 1886)  
*E. gracilimanum* Lahusen, 1894  
*E. granuliferum* Secretan, 1964  
*E. guisei* Wright, 1881 [1882]  
*E. hoerstgenensis* Bachmayer & Malzahn, 1983  
*E. jungostrix* Feldmann & Titus, 2006  
*E. karitzkyi* Lahusen, 1894  
*E. lafayi* Lissajous, 1923  
*E. lerasi* Étallon, 1861  
*E. ? leucodermum* (Pusch, 1838)  
*E. loryi* Van Straelen, 1923a  
*E. madagascariensis* Secretan, 1964  
*E. major* (Oppel, 1861b)  
*E. mandelslohi* (Von Meyer, 1840a)  
*E. meyeri* Garassino, 1996  
*E. modestiforme* (Schlotheim, 1822) (type; non *E. ventrosa* Von Meyer, 1835 vide Förster, 1966) [= *Glyphea laevigata* Münster, 1839; *E. leptodactylus* (Germar, 1827); *E. pseudoventrosa* Beurlen, 1928a]  
*E. mosquensis* Lahusen, 1894 (= *Glyphea bronnii* Vosinsky, 1848, part)  
*E. nicklesi* Méchin, 1901  
*E. nippon* Karasawa, Ohara & Kato, 2008  
*E. ornatum* (Quenstedt, 1857)  
*E. orthodactylum* Beurlen, 1928a  
*E. pulchellum* Carter, 1886  
*E. punctatum* Oppel, 1861b  
*E. quadriverrucatum* Trautschold, 1866  
*E. quenstedti* Beurlen, 1928a  
*E. radiatum* Oppel, 1861b  
*E. ? rinellincolum* De Gregorio, 1884  
*E. romani* Oppel, 1861b  
*E. squalidum* Étallon, 1861

- E. stantoni* Rathbun, 1935a  
*E. strambergensis* Bachmayer, 1959  
*E. stricklandi* (Phillips, 1871)  
*E. sulcatum* Harbort, 1905  
*E. tithonium* Van Straelen, 1936a  
*E. tuberculatum* Van Straelen, 1936a  
*E. ventrosom* (Von Meyer, 1835) [= *E. thirriai* (Étallon, 1859); *E. subventrosa* Étallon, 1861; *E. thurmanni* (Étallon, 1861); *E. insignis* (Oppel, 1862); *E. villersi* Morière, 1883; *E. maeandrina* Krause, 1891; *E. morieri* Hée, 1924]  
*E. walkerae* Feldmann & Haggart, 2007  
*Galicia*<sup>††</sup> Garassino & Krobicki, 2002 (0, 0, 3)  
*G. marianae* Garassino & Krobicki, 2002 (type)  
*G. veltheimi* (Münster, 1839)  
*G. westphali* (Schweigert, Dietl & Röper, 2000)  
*Lissocardia*<sup>††</sup> Von Meyer, 1851a (non *Lissocardia* Von Meyer, 1847 n. n.) (= *Piratella*<sup>††</sup> Assmann, 1927) (0, 0, 3)  
*L. badensis* (Assmann, 1927)  
*L. magna* Von Meyer, 1851a  
*L. silesiaca* Von Meyer, 1851a (type)  
*Palaeastacus*<sup>††</sup> Bell, 1850 (0, 0, 23)  
*P. argoviensis* Förster & Rieber, 1982  
*P. cenomaniensis* Hée, 1924  
*P. decoratus* (Frentzen, 1937b)  
*P. deslongchampsii* Van Straelen, 1924 [imprint 1925]  
*P. dixoni* Bell, 1850  
*P. edwardsi* Étallon, 1861  
*P. falsani* (Dumortier, 1867)  
*P. foersteri* Taylor, 1979  
*P. fuciformis* (Schlotheim, 1822)  
*P. kimzeyi* Rathbun, 1935a  
*P. macrodactylus* Bell, 1850  
*P. ? ornatus* Whiteaves, 1887  
*P. ? plavensis* Geinitz, 1875  
*P. poeschli* Schweigert & Röper, 2001  
*P. rothgaengerae* Schweigert & Röper, 2001

- P. scaber* (Bell, 1863)  
*P. selmaensis* Rathbun, 1935a  
*P. spinosus* (Étallon, 1861)  
*P. sussexiensis* (Mantell, 1833) (type)  
*P. terraereginae* (Etheridge, Jr., 1914)  
*P. triglyptus* (Stenzel, 1945)  
*P. trisulcatus* Schweitzer & Feldmann, 2001a  
*P. walkeri* (Whitfield in White, 1883)  
*Paraclytiopsis*<sup>††</sup> Oravec, 1962 (0, 0, 1)  
*P. hungaricus* Oravec, 1962 (type)  
*Protoclytiopsis*<sup>††</sup> Birshtein, 1958 (0, 0, 1)  
*P. antiqua* Birshtein, 1958 (type)  
*Pustulina*<sup>††</sup> Quenstedt, 1857 (= *Phlyctisoma*<sup>††</sup> Bell, 1863)  
(0, 0, 12)  
*P. calloviensis* (Förster, 1966)  
*P. dawsoni* (Woodward, 1900a)  
*P. elegans* (Méchin, 1901)  
*P. granulata* (Bell, 1863)  
*P. minuta* (Schlotheim, 1822)  
*P. perroni* (Étallon, 1861) [= *Enoploclytia dorsetensis*  
Woods, 1931]  
*P. pseudobabeau* (Dollfus, 1863)  
*P. scabra* (Bell, 1863)  
*P. sinemuriana* (Garassino, 1996)  
*P. spinulata* (Secretan, 1964)  
*P. suevica* Quenstedt, 1857 (type) (= *Palaeastacus soli-*  
*tarius* Oppel, 1862; *Eryma fraasi* Oppel, 1862)  
*P. tuberculata* (Bell, 1863)  
*Stenodactylina*<sup>††</sup> Beurlen, 1928a (0, 0, 1)  
*S. liasina* Beurlen, 1928a (type)

Incertae sedis

- Eryma verrucosa* (Münster, 1839)

Infraorder ASTACIDEA Latreille, 1802

Superfamily Palaeopalaemonoidea Brooks, 1962

Family **Palaeopalaemonidae**<sup>††</sup> Brooks, 1962

*Palaeopalaemon*<sup>††</sup> Whitfield, 1880 (0, 0, 1)

*P. newberryi* Whitfield, 1880 (type)

Superfamily Enoplometopoidea de Saint Laurent, 1988

Family **Enoplometopidae** de Saint Laurent, 1988

No fossil representatives

**Uncinidae**<sup>††</sup> Beurlen, 1930a

Discussion. — Although considered a discrete Infraorder by Glaessner (1969), Uncinidae is herein placed within the Enoplometopidae following the analysis of Ah Yong (2006). That analysis demonstrated that Uncinidae was the sister group to the Enoplometopidae.

*Malmuncina*<sup>††</sup> Schweigert & Garassino, 2003 (0, 0, 1)*M. wulfi* Schweigert & Garassino, 2003 (type)*Uncina*<sup>††</sup> Quenstedt, 1851 (0, 0, 4)*U. alpina* Schweigert et al., 2003*U. ollerenshawii* (Feldmann & Copeland, 1988)*U. pacifica* Schweigert et al., 2003*U. posidoniae* Quenstedt, 1851 (type)

## Superfamily Nephropoidea Dana, 1852a

Family **Chilenophoberidae**<sup>††</sup> Tshudy & Babcock, 1997*Chilenophoberus*<sup>††</sup> Chong & Förster, 1976 (0, 0, 1)*C. atacamensis* Chong & Förster, 1976 (type)*Palaeophoberus*<sup>††</sup> Glaessner, 1932b (0, 0, 2)*P. portlandicus* Roger & de Lapparent, 1945*P. suevicus* (Quenstedt, 1867) (type)*Pseudastacus*<sup>††</sup> Opperl, 1861b (0, 0, 5)*P. hakeiensis* Fraas, 1878*P. minor* Fraas, 1878*P. mucronatus* (Phillips, 1836)*P. pusillus* Van Straelen, 1924 [imprint 1925]*P. pustulosus* (Münster, 1839) (type) (= *P. muensteri* Opperl, 1862)*Tillocheles*<sup>††</sup> Woods, 1957 (0, 0, 2)*T. kaoriae* Yokoi & Karasawa, 2000*T. shannonae* Woods, 1957 (type)**Protastacidae**<sup>††</sup> Albrecht, 1983*Protastacus*<sup>††</sup> Albrecht, 1983 (0, 0, 2)*P. antiquus* (Harbort, 1905)*P. politus* (Schlüter in Schlüter & Von der Marck, 1868)**Stenochiridae**<sup>††</sup> Beurlen, 1928a*Stenochirus*<sup>††</sup> Opperl, 1861a (0, 0, 3)*S. angustus* (Münster, 1839)

*S. mayeri* Oppel, 1862 (type)

*S. vahldieki* Schweigert, Garassino & Riou, 2006

**Nephropidae**<sup>†</sup> Dana, 1852a

*Cardirhynchus*<sup>††</sup> Schlüter, 1862 (0, 0, 1)

*C. spinosus* Schlüter, 1862 (type)

*Homarus*<sup>†</sup> Weber, 1795 (0, 2, 8) (number of extant species from Cobb & Castro, 2006)

*H. americanus*<sup>†</sup> H. Milne Edwards, 1837 [in 1834-1840]

*H. brittonestrus*<sup>††</sup> Stenzel, 1945

*H. davisii*<sup>††</sup> Stenzel, 1945

*H. hakelensis*<sup>††</sup> (Fraas, 1878)

*H. lehmanni*<sup>††</sup> Haas, 1889

*H. mickelsoni*<sup>††</sup> (Bishop, 1985a)

*H. morrisoni*<sup>††</sup> Quayle, 1987

*H. neptunianus*<sup>††</sup> Polkowsky, 2004

*H. travisensis*<sup>††</sup> Stenzel, 1945

*H. vulgaris*<sup>††</sup> H. Milne Edwards, 1837 [in 1834-1840]

*Hoploparia*<sup>††</sup> McCoy, 1849 (0, 0, 67)

*H. albertaensis* Tshudy et al., 2005

*H. alpinus* (Van Straelen, 1936c)

*H. antarctica* Wilckens, 1907

*H. arbei* Aguirre-Urreta, 1989

*H. aspera* Harbort, 1905

*H. bearpawensis* Feldmann, Bishop & Kammer, 1977

*H. belli* McCoy, 1849

*H. benedeni* Pelseneer, 1886a

*H. bennetti* Woodward, 1900a

*H. beyrichi* Schlüter, 1862

*H. biserialis* Fritsch & Kafka, 1887

*H. blossomana* Rathbun, 1935a

*H. buntingi* (Feldmann & Holland, 1971)

*H. catalunica* Garassino, Artal & Pasini, 2009b

*H. calcarifera* Schlüter, 1879

*H. collignoni* (Van Straelen, 1949)

*H. columbiana* Beurlen, 1938

*H. corneti* Van Straelen, 1921b

*H. dentata* (Roemer, 1841) (= *H. prismatica* McCoy, 1849; *Palaeno roemeri* Robineau-Desvoidy, 1849)

- H. dentonensis* Rathbun, 1935a  
*H. edwardsi* (Robineau-Desvoidy, 1849) (= *H. blainvillii* Robineau-Desvoidy, 1849; *H. boscii* Robineau-Desvoidy, 1849; *H. cottaldi* Robineau-Desvoidy, 1849; *H. cuvieri* Robineau-Desvoidy, 1849; *H. desmarestii* Robineau-Desvoidy, 1849; *H. dorbignyi* Robineau-Desvoidy, 1849; *H. fabricii* Robineau-Desvoidy, 1849; *H. guerini* Robineau-Desvoidy, 1849; *H. herbsti* Robineau-Desvoidy, 1849; *H. lamarcki* Robineau-Desvoidy, 1849; *H. latreilii* Robineau-Desvoidy, 1849; *H. linnei* Robineau-Desvoidy, 1849; *H. lucasi* Robineau-Desvoidy, 1849; *H. michelinii* Robineau-Desvoidy, 1849; *H. neocomiensis* Tribolet, 1875; *H. sowerbyi* Robineau-Desvoidy, 1849; *Nephrops Geoffroyi* [pars] Robineau-Desvoidy, 1849; *Nephrops samviensis* [pars] Robineau-Desvoidy, 1849)  
*H. eocenica* Lörenthey in Lörenthey & Beurlen, 1929  
*H. falcifer* Fritsch & Kafka, 1887  
*H. fraasi* (Böhm, 1891)  
*H. gabbi* Pilsbry, 1901  
*H. gadzicki* Feldmann & Crame, 1998  
*H. gammaroides* McCoy, 1849 (= *H. belli* McCoy, 1849; *H. victoriae* Quayle, 1987)  
*H. georgeana* Rathbun, 1935a  
*H. gladiator* Pilsbry, 1901  
*H. groenlandica* Ravn, 1903  
*H. hakeiensis* (Fraas, 1878)  
*H. hemprichi* (Mertin, 1941)  
*H. heterodon* (Bosquet, 1854)  
*H. horrida* Schweitzer, Feldmann et al., 2003  
*H. intermedia* Secretan, 1964  
*H. johnsoni* Rathbun, 1935a  
*H. kamimurai* Kato & Karasawa, 2006  
*H. kamuy* Karasawa & Hayakawa, 2000  
*H. klebsi* Noetling, 1885a (= *H. knetschii* Zimmermann, 1944 [imprint 1942])  
*H. lehmanni* Haas, 1889

- H. longimana* (Sowerby, 1826) (type) (= *H. granulosa* Bell, 1863; *H. punctulata* Bell, 1863; *H. sulcirostris* Bell, 1863)
- H. mcnairyensis* Rathbun, 1926a
- H. mesembria* Etheridge, Jr., 1917
- H. minima* Tribolet, 1876
- H. miyamotoi* Karasawa, 1998a
- H. muncki* Pelseneer, 1886b
- H. natsumiae* Karasawa, Ohara & Kato, 2008
- H. nephropiformis* Schlüter, 1879
- H. pelseneeri* (Van Straelen, 1936a)
- H. percyi* Beneden, 1872
- H. pusilla* Secretan, 1964
- H. riddlensis* Feldmann, 1974
- H. saxbyi* McCoy, 1849
- H. scabra* Bell, 1863
- H. schluteri* Tribolet, 1876b
- H. sculpta* Secretan, 1964
- H. senonensis* Forir, 1887
- H. seucica* Schlüter, 1879
- H. shastensis* (Rathbun, 1929a)
- H. stokesi* (Weller, 1903)
- H. sulcicauda* Schlüter, 1879
- H. tennesseensis* Rathbun, 1926a
- H. triboleti* Borrisiak, 1904
- H. trigeri* (A. Milne-Edwards, 1886)
- H. tshudyi* Schweitzer & Feldmann, 2001a
- H. victoriae* Quayle, 1987
- H. wardi* Quayle, 1987
- Jagtia*<sup>††</sup> Tshudy & Sorhannus, 2000 (0, 0, 1)
- J. kunradensis* Tshudy & Sorhannus, 2000 (type)
- Metanephrops*<sup>†</sup> Jenkins, 1972 (17, 0, 4)
- M. elongatus*<sup>††</sup> Hu & Tao, 2000
- M. jenkinsi*<sup>††</sup> Feldmann, 1989
- M. motunauensis*<sup>††</sup> Jenkins, 1972
- M. rossensis*<sup>††</sup> Feldmann et al., 1993
- Nephrops*<sup>†</sup> Leach, 1814 (1, 0, 7) (number of extant species from Bell et al., 2006)

- N. aequus*<sup>††</sup> Rathbun, 1920a  
*N. americanus*<sup>††</sup> Rathbun, 1935a  
*N. costatus*<sup>††</sup> Rathbun, 1918  
*N. geoffroyi*<sup>††</sup> Robineau-Desvoidy, 1849  
*N. kvistgaardae*<sup>††</sup> Fraaije, Hansen & Hansen, 2005  
*N. maoensis*<sup>††</sup> Rathbun, 1920a  
*N. reedi*<sup>††</sup> Carter, 1898 (chela only, indeterminate)  
*Nephropsis*<sup>†</sup> Wood-Mason, 1873 (16, 1, 1)  
*N. midwayensis*<sup>††</sup> Rathbun, 1935a  
*N. stewarti*<sup>†</sup> Wood-Mason, 1873 (type)  
*Palaeonephrops*<sup>††</sup> Mertin, 1941 (0, 0, 2)  
*P. browni* (Whitfield, 1907) (type)  
*P. westoni* (Woodward, 1900a)  
*Paraclythia*<sup>††</sup> Fritsch & Kafka, 1887 (0, 0, 4)  
*P. boetticheri* Mertin, 1941  
*P. nephropica* Fritsch & Kafka, 1887 (type)  
*P. nephropiformis* (Schlüter, 1862)  
*P. westfalica* Mertin, 1941  
*Pseudohomarus*<sup>††</sup> van Hoepen, 1962 (0, 0, 1)  
*P. umsinenensis* van Hoepen, 1962 (type)  
*Wongastacia*<sup>††</sup> Hu, 1984a (0, 0, 1)  
*W. taiwanica* Hu, 1984a (type)
- Thaumastocheilidae**<sup>†</sup> Bate, 1888
- Oncopareia*<sup>††</sup> Bosquet, 1854 (= *Nymphaeops* Schlüter, 1862; = *Ischnodactylus* Pelseneer, 1886c; = *Stenocheles* Fritsch & Kafka, 1887) (0, 0, 17)  
*O. belgicus* (Forir, 1887)  
*O. biserialis* (Fritsch & Kafka, 1887)  
*O. bredai* Bosquet, 1854 (type) (= *Hoploparia beyrichi* Schlüter, 1862; *Hoploparia bosqueti* Pelseneer, 1886c)  
*O. coesfeldiensis* (Schlüter, 1862) (= *Enoploclytia paucispina* Schlüter in Schlüter & Von der Marck, 1868)  
*O. cookei* (Rathbun, 1935a)  
*O. cultellus* (Rathbun, 1935a)  
*O. dentatus* (Rathbun, 1935a)  
*O. esocinus* (Fritsch & Kafka, 1887)



- O. inaequidens* (Pelseneer, 1886c)
- O. klintebjergensis* Jakobsen & Collins, 1979
- O. lunatus* (Fritsch & Kafka, 1887)
- O. macrodactylus* (Schlüter, 1862)
- O. muncki* (Pelseneer, 1886c)
- O. parvulus* (Fritsch & Kafka, 1887)
- O. pectiniformis* (Böhm, 1891)
- O. sendenhorstensis* (Schlüter, 1862)
- O. texanus* (Rathbun, 1935a)

Superfamily Astacoidea Latreille, 1802

Family **Astacidae**<sup>†</sup> Latreille, 1802

- Astacus*<sup>†</sup> Fabricius, 1775 (3, 0, 4)
- A. edwardsi*<sup>††</sup> Van Straelen, 1928b
- A. laeivissimus*<sup>††</sup> Fritsch & Kafka, 1887
- A. multicavatus*<sup>††</sup> Bell, 1863
- A. pallipes*<sup>††</sup> Lereboullet, 1858
- Austropotamobius*<sup>†</sup> Skorikov, 1907 (3, 0, 1)
- A. llopisi*<sup>††</sup> (Vía, 1971)
- Pacifastacus*<sup>†</sup> Bott, 1950 (5, 0, 1)
- P. chenoderma*<sup>††</sup> (Cope, 1871)

Family **Cambaridae**<sup>†</sup> Hobbs, 1942

- Palaeocambarus*<sup>††</sup> Taylor, Schram & Yan-Bin, 1999  
(0, 0, 1)
- P. licenti*<sup>††</sup> (Van Straelen, 1928c) (type) (= *Astacus spirostrius* Imiazumi, 1938)
- Procambarus*<sup>†</sup> Ortmann, 1905 (165, 0, 1)
- P. primaevus*<sup>††</sup> (Packard, 1880)

Family **Cricoidoscelosidae**<sup>††</sup> Taylor, Schram & Yan-Bin, 1999

- Cricoidoscelosus*<sup>††</sup> Taylor, Schram & Yan-Bin, 1999  
(0, 0, 1)
- C. aethus* Taylor, Schram & Yan-Bin, 1999 (type)

Superfamily Parastacoidea Huxley, 1879

Family **Parastacidae**<sup>†</sup> Huxley, 1879

- Astacopsis*<sup>†</sup> Huxley, 1879 (2, 1, 0)
- A. franklini*<sup>†</sup> (Gray, 1845)
- Lammuastacus*<sup>††</sup> Aguirre-Urreta, 1992 (0, 0, 1)
- L. longirostris* Aguirre-Urreta, 1992 (type)
- Palaeoechinastacus*<sup>††</sup> Martin et al., 2008 (0, 0, 1)

*P. australianus* Martin et al., 2008 (type)

*Paranephrops*<sup>†</sup> White, 1842 (2, 0, 1)

*P. fordycei*<sup>††</sup> Feldmann & Pole, 1994

**Incertae sedis**

“*Enoploclytia*” *porteri* Miller & Ash, 1988

Infraorder THALASSINIDEA Latreille, 1831

Superfamily Thalassinoidea Latreille, 1831

Family **Thalassinidae**<sup>†</sup> Latreille, 1831

*Thalassina*<sup>†</sup> Latreille, 1806 (3, 1, 1)

*T. anomala*<sup>†</sup> (Herbst, 1804) (= *T. antiqua* Bell, 1844;

*T. emeryi* Bell, 1845)

*T. grandidactylus*<sup>††</sup> Robineau-Desvoidy, 1849

Superfamily Callianassoidea Dana, 1852a

Family **Axianassidae** Schmitt, 1924

No fossil representatives

**Callianassidae**<sup>†</sup> Dana, 1852a

*Brecaclawu*<sup>††</sup> Schweitzer & Feldmann, 2001a (0, 0, 1)

*B. rathbunae* Schweitzer & Feldmann, 2001a (type)

*Callianassa*<sup>†</sup> Leach, 1814 (57, 0, 154) (= *Semiranina*<sup>††</sup>

Bachmayer, 1954a)

*C. abbreviata*<sup>††</sup> Rathbun, 1918

*C. affinis*<sup>†</sup> A. Milne-Edwards, 1860

*C. alabamensis*<sup>††</sup> Rathbun, 1935a

*C. alaica*<sup>††</sup> Birshstein, 1956

*C. almerai*<sup>††</sup> Müller, 1993

*C. alpha*<sup>††</sup> Stenzel, 1935

*C. americana*<sup>††</sup> Woods, 1922

*C. anguillensis*<sup>††</sup> Rathbun, 1919

*C. armata*<sup>†</sup> A. Milne-Edwards, 1870

*C. articulata*<sup>†</sup> Rathbun, 1906

*C. atlantica*<sup>†</sup> Rathbun, 1926b

*C. atrox*<sup>††</sup> Bittner, 1893

*C. awakina*<sup>††</sup> Glaessner, 1960

*C. bakeri*<sup>††</sup> Glaessner, 1948

*C. bandonensis*<sup>††</sup> Rathbun, 1926b

*C. batei*<sup>††</sup> Woodward, 1869

*C. beberibae*<sup>††</sup> Beurlen, 1962

*C. berryi*<sup>††</sup> Rathbun, 1935a

- C. beta*<sup>††</sup> Stenzel, 1935  
*C. birmanica*<sup>††</sup> Noetling, 1901  
*C. bosqueana*<sup>††</sup> Rathbun, 1935a  
*C. brazoensis*<sup>††</sup> Stenzel, 1934  
*C. brevimanus*<sup>††</sup> Beurlen, 1939  
*C. brocchii*<sup>††</sup> Lőrenthey, 1898a  
*C. burlesonensis*<sup>††</sup> Stenzel, 1935  
*C. burckhardti*<sup>††</sup> Böhm, 1911  
*C. calaritana*<sup>††</sup> Ristori, 1896  
*C. canavarii*<sup>††</sup> Ristori, 1889a  
*C. chalmasii*<sup>††</sup> Brocchi, 1883  
*C. chanabadica*<sup>††</sup> Birshtein, 1956  
*C. cheyennensis*<sup>††</sup> Rathbun, 1930a  
*C. clarki*<sup>††</sup> Pilsbry, 1916  
*C. congolae*<sup>††</sup> Secretan, 1970  
*C. conradi*<sup>††</sup> Pilsbry, 1901  
*C. cowlitzensis*<sup>††</sup> Rathbun, 1926b  
*C. craterifera*<sup>††</sup> Lőrenthey in Lőrenthey & Beurlen, 1929  
*C. creagrachir*<sup>††</sup> (Schafhäütl, 1863)  
*C. cretacea*<sup>††</sup> Rathbun, 1935a  
*C. danai*<sup>††</sup> Hall & Meek, 1855  
*C. delta*<sup>††</sup> Rathbun, 1935a  
*C. depressiva*<sup>††</sup> Secretan, 1970  
*C. desmarestiana*<sup>††</sup> A. Milne-Edwards, 1860  
*C. edwardsi*<sup>††</sup> Vía, 1959  
*C. elegans*<sup>††</sup> Böhm, 1922  
*C. epsilon*<sup>††</sup> Rathbun, 1935a  
*C. erecta*<sup>††</sup> Böhm, 1926  
*C. espichelensis*<sup>††</sup> Veiga Ferreira, 1961  
*C. eta*<sup>††</sup> Rathbun, 1936  
*C. ferox*<sup>††</sup> Bittner, 1893  
*C. floriana*<sup>††</sup> Glaessner, 1928  
*C. floridana*<sup>††</sup> Rathbun, 1935a  
*C. fortis*<sup>††</sup> Böhm, 1922  
*C. fraasi*<sup>††</sup> Noetling, 1885b  
*C. frangens*<sup>††</sup> Böhm, 1922  
*C. fresnoensis*<sup>††</sup> Rathbun, 1926b

- C. gamma*<sup>††</sup> Stenzel, 1935  
*C. gigantea*<sup>††</sup> Withers, 1924a  
*C. glabra*<sup>††</sup> Lörenthey in Lörenthey & Beurlen, 1929  
*C. heberti*<sup>††</sup> A. Milne-Edwards, 1860  
*C. hilli*<sup>††</sup> Rathbun, 1918  
*C. hulli*<sup>††</sup> Rathbun, 1935a  
*C. infracretacea*<sup>††</sup> Tribolet, 1874  
*C. incerta*<sup>††</sup> Rathbun, 1926b  
*C. inglesstris*<sup>††</sup> Roberts, 1953  
*C. inornata*<sup>††</sup> Nagao & Huzioka, 1938  
*C. isikariensis*<sup>††</sup> Nagao & Ôtatumé, 1938  
*C. jahringensis*<sup>††</sup> Glaessner, 1928  
*C. kerepesiensis*<sup>††</sup> Müller, 1976  
*C. kewana*<sup>††</sup> Rathbun, 1926b  
*C. knapptonensis*<sup>††</sup> Rathbun, 1926b  
*C. kraussei*<sup>††</sup> Böhm, 1911 (= *Callianassa prisca* Krause, 1891)  
*C. kraussi*<sup>†</sup> Stebbing in Kensley, 1985  
*C. lacunosa*<sup>††</sup> Rathbun, 1918  
*C. latidigitata*<sup>††</sup> Rathbun, 1919  
*C. ledae*<sup>††</sup> Fritsch, 1871  
*C. longa*<sup>††</sup> Noetling, 1885b  
*C. lusitanica*<sup>††</sup> Veiga Ferreira, 1954  
*C. macrodactylus*<sup>††</sup> A. Milne-Edwards, 1860  
*C. magna*<sup>††</sup> Rathbun, 1918  
*C. masanorii*<sup>††</sup> Karasawa, 1998a  
*C. massarandubae*<sup>††</sup> Beurlen, 1962  
*C. maxima*<sup>††</sup> A. Milne-Edwards, 1860  
*C. megachir*<sup>††</sup> (Schafhäutl, 1863)  
*C. menziesi*<sup>††</sup> Withers, 1926  
*C. meridionalis*<sup>††</sup> Ball, 1960  
*C. michelotti*<sup>††</sup> A. Milne-Edwards, 1860  
*C. minor*<sup>††</sup> Fischer-Benzon, 1866  
*C. moinensis*<sup>††</sup> Rathbun, 1918  
*C. mokatamensis*<sup>††</sup> Noetling, 1885b  
*C. mottai*<sup>††</sup> Beurlen, 1962  
*C. munieri*<sup>††</sup> Brocchi, 1883  
*C. neocomiensis*<sup>††</sup> Woodward, 1869

- C. nilotica*<sup>††</sup> Fraas, 1867  
*C. norica*<sup>††</sup> Glaessner, 1928  
*C. nuda*<sup>††</sup> Beurlen, 1939  
*C. oktibbehana*<sup>††</sup> Rathbun, 1935a  
*C. oregonensis*<sup>††</sup> Dana, 1849  
*C. orientalis*<sup>†</sup> A. Milne-Edwards, 1860  
*C. oroszyi*<sup>††</sup> (Bachmayer, 1954a)  
*C. orthodactylus*<sup>††</sup> (Schafhäütl, 1863)  
*C. ovalis*<sup>††</sup> Rathbun, 1918  
*C. panamensis*<sup>††</sup> Glaessner, 1929b  
*C. parinasensis*<sup>††</sup> Woods, 1922  
*C. parisiensis*<sup>††</sup> A. Milne-Edwards, 1870  
*C. pedemontana*<sup>††</sup> Crema, 1895  
*C. pellucida*<sup>††</sup> Rathbun, 1919  
*C. peruviana*<sup>††</sup> Rathbun, 1947  
*C. primaeva*<sup>††</sup> Philippi, 1887  
*C. prisca*<sup>††</sup> A. Milne-Edwards, 1860  
*C. pseudofraasi*<sup>††</sup> Lőrenthey in Lőrenthey & Beurlen, 1929  
*C. pseudonilotica*<sup>††</sup> Lőrenthey in Lőrenthey & Beurlen, 1929  
*C. pseudorakosiensis*<sup>††</sup> Lőrenthey in Lőrenthey & Beurlen, 1929  
*C. pugnax*<sup>††</sup> Böhm, 1922  
*C. pustulata*<sup>††</sup> Withers, 1926  
*C. quadrata*<sup>††</sup> Rathbun, 1918  
*C. rakosiensis*<sup>††</sup> Lőrenthey, 1898a  
*C. rapax*<sup>††</sup> Bittner, 1893  
*C. rovasendae*<sup>††</sup> Crema, 1895  
*C. roztoczensis*<sup>††</sup> Müller, 1996  
*C. seefriedi*<sup>††</sup> Ammon, 1905  
*C. simplex*<sup>††</sup> Bittner, 1893  
*C. sismondai*<sup>††</sup> A. Milne-Edwards, 1860  
*C. songoensis*<sup>††</sup> Böhm, 1922  
*C. spinosa*<sup>††</sup> Tribolet, 1876  
*C. spinulosa*<sup>††</sup> Rathbun, 1918  
*C. stephensi*<sup>††</sup> Rathbun, 1926b  
*C. stimpsoni*<sup>†</sup> Gabb, 1864

- C. stridens*<sup>††</sup> Rathbun, 1918  
*C. subplana*<sup>††</sup> Withers, 1924a  
*C. subspinosa*<sup>††</sup> Glaessner, 1929b  
*C. subterranea*<sup>†</sup> (Montagu, 1808)  
*C. suffolkensis*<sup>††</sup> Rathbun, 1935a  
*C. szobensis*<sup>††</sup> Müller, 1984a  
*C. taiwanica*<sup>††</sup> Hu & Tao, 1996  
*C. tanakai*<sup>††</sup> Imaizumi, 1957a  
*C. tayamai*<sup>††</sup> Imaizumi, 1952a  
*C. tenuis*<sup>††</sup> Rathbun, 1918  
*C. tepetatensis*<sup>††</sup> Rathbun, 1930b  
*C. theta*<sup>††</sup> Rathbun, 1936  
*C. transversoplicata*<sup>††</sup> Noetling, 1885b  
*C. trechmanni*<sup>††</sup> Withers, 1924a  
*C. turkestanica*<sup>††</sup> Birshtein, 1956  
*C. ulrichi*<sup>††</sup> White, 1880  
*C. umpquaensis*<sup>††</sup> Rathbun, 1926b  
*C. uncifera*<sup>††</sup> Harbort, 1905  
*C. urgoneensis*<sup>††</sup> Lórenthey in Lórenthey & Beurlen,  
 1929  
*C. valida*<sup>††</sup> Rathbun, 1935a  
*C. velox*<sup>††</sup> Bittner, 1893  
*C. vidali*<sup>††</sup> Vía, 1959  
*C. vorax*<sup>††</sup> Bittner, 1893  
*C. waikurana*<sup>††</sup> Glaessner, 1960  
*C. wechesensis*<sup>††</sup> Stenzel, 1934  
*C. yagii*<sup>††</sup> Imaizumi, 1957a  
*C. zeta*<sup>††</sup> Rathbun, 1936  
*Calliax*<sup>†</sup> de Saint Laurent, 1973 (3, 0, 1)  
     *C. whiteavesi*<sup>††</sup> (Woodward, 1896)  
*Callichirus*<sup>†</sup> Stimpson, 1866 (3, 2, 3)  
     *C. islagrande*<sup>†</sup> (Schmitt, 1935)  
     *C. major*<sup>†</sup> (Say, 1818)  
     *C. pustulosa*<sup>††</sup> (Withers, 1926)  
     *C. symmetricus*<sup>††</sup> (Feldmann & Zinsmeister, 1984a)  
     *C. waagei*<sup>††</sup> Crawford et al., 2006  
*Comoxianassa*<sup>††</sup> Schweitzer, Feldmann, Čosović, Ross &  
 Waugh, 2009 (0, 0, 1)

- C. haggarti* Schweitzer et al., 2009 (type)  
*Corallianassa*<sup>†</sup> Manning, 1987 (12, 0, 2)  
*C. acurvata*<sup>††</sup> Swen et al., 2001  
*C. rigoi*<sup>††</sup> De Angeli & Garassino, 2006a  
*Cowichianassa*<sup>††</sup> Schweitzer, Feldmann, Ćosović, Ross & Waugh, 2009 (0, 0, 1)  
*C. meckerti* Schweitzer et al., 2009 (type)  
*Eucalliix*<sup>†</sup> Manning & Felder, 1991 (8, 0, 4)  
*E. miyazakiensis*<sup>††</sup> Karasawa, 1993  
*E. vicetina*<sup>††</sup> Beschin, Busulini, De Angeli & Tessier, 2002  
*E. yatsuoensis*<sup>††</sup> (Karasawa, 1993)  
*E. yoshiroi*<sup>††</sup> Karasawa, 1992a  
*Eoglypturus*<sup>††</sup> Beschin, De Angeli, Checchi & Zarantello, 2005 (0, 0, 1)  
*E. grolensis* Beschin et al., 2005 (type)  
*Glypturus*<sup>†</sup> Stimpson, 1866 (3, 1, 1)  
*G. acanthochirus*<sup>†</sup> Stimpson, 1866  
*G. toulai*<sup>††</sup> (Rathbun, 1919)  
*Lepidophthalmus* Holmes, 1904 (13, 1, 0)  
*L. jamaicense* ?<sup>†</sup> (Schmitt, 1935)  
*Melipal*<sup>††</sup> Schweitzer, Feldmann, Encinas & Suárez, 2006 (0, 0, 1)  
*M. chilensis* Schweitzer et al., 2006 (type)  
*Neocallichirus*<sup>†</sup> Sakai, 1988 (25, 0, 18)  
*N. aetodes*<sup>††</sup> Schweitzer, Iturralde-Vinent et al., 2006  
*N. allegranzii*<sup>††</sup> Beschin et al., 2005  
*N. bona*<sup>††</sup> (Imaizumi, 1959a)  
*N. borensis*<sup>††</sup> Beschin et al., 2006  
*N. dijki*<sup>††</sup> (Martin, 1883)  
*N. fortisi*<sup>††</sup> Beschin et al., 2002  
*N. manningi*<sup>††</sup> Schweitzer, Feldmann et al., 2003  
*N. matsoni*<sup>††</sup> (Rathbun, 1935a)  
*N. nishikawai*<sup>††</sup> (Karasawa, 1993)  
*N. okamotoi*<sup>††</sup> (Karasawa, 1993)  
*N. peraensis*<sup>††</sup> Collins et al., 1996  
*N. porterensis*<sup>††</sup> (Rathbun, 1926b)  
*N. quisquellanus*<sup>††</sup> Schweitzer, Iturralde-Vinent et al., 2006

- N. rhinos*<sup>††</sup> Schweitzer & Feldmann, 2002  
*N. sakiae*<sup>††</sup> Karasawa & Fudouji, 2000  
*N. scotti*<sup>††</sup> (Brown & Pilsbry, 1913) (= *Callianassa crassa* A. Milne-Edwards, 1870; *C. crassimana* Rathbun, 1918; *C. miocenica* Rathbun, 1919)  
*N. vughani*<sup>††</sup> (Rathbun, 1918)  
*N. wellsii*<sup>††</sup> Schweitzer, Feldmann & Gingerich, 2004  
*Neotrypaea*<sup>†</sup> Manning & Felder, 1991 (3, 1, 0)  
*Neotrypaea gigas* (Dana, 1852a)<sup>†</sup> (= *Callianassa longimana* Stimpson, 1857)  
*Podocallichirus*<sup>†</sup> Sakai, 1999 (7, 0, 1)  
*P. grandis*<sup>††</sup> (Karasawa & Goda, 1996)  
*Protocallianassa*<sup>††</sup> Beurlen, 1930a (= *Mesostylus* Bronn & Roemer, 1852) (0, 0, 21)  
*P. antiqua* (Roemer, 1841)  
*P. archiaci* (A. Milne-Edwards, 1860) (type)  
*P. australica* Glaessner, 1956  
*P. bohémica* (Fritsch, 1867)  
*P. brevis* (Fritsch, 1867)  
*P. caucasica* Aliev & Aliev, 1980  
*P. cenomanensis* (A. Milne-Edwards, 1860)  
*P. cliffwoodensis* Roberts, 1962  
*P. elongata* (Fritsch, 1867)  
*P. faujasi* (Desmarest, 1822)  
*P. gracilis* (Fritsch, 1867)  
*P. klofi* Bishop, 1983a  
*P. mortoni* (Pilsbry, 1901)  
*P. patagonica* Aguirre Urreta, 1982  
*P. pilsbryi* (Rathbun, 1935a)  
*P. pleuralum* Beikirch & Feldmann, 1980  
*P. praecepta* Roberts, 1962  
*P. russelli* Bishop, 1985a  
*P. saetosa* (Förster & Stinnesbeck, 1987)  
*P. sarysuensis* Aliev & Aliev, 1980  
*P. tourtiaie* (Fritsch, 1867)  
*Sergio*<sup>†</sup> Manning & Lemaitre, 1994 (5, 1, 0)  
*S. trilobatus*<sup>†</sup> (Biffar, 1970)  
*Trypaea*<sup>†</sup> Dana, 1852a (1, 0, 1)



*T. mizunamiensis*<sup>††</sup> Karasawa, 1993

*Vegarthron*<sup>††</sup> Schweitzer & Feldmann, 2002 (0, 0, 1)

*V. santiago* Schweitzer & Feldmann, 2002 (type)

**Callianideidae** Kossmann, 1880

No fossil representatives

**Ctenochelidae**<sup>†</sup> Manning & Felder, 1991

*Callianopsis*<sup>†</sup> de Saint Laurent, 1973 (2, 0, 8)

*C. australis*<sup>††</sup> Casadío et al., 2004

*C. clallamensis*<sup>††</sup> (Withers, 1924b)

*C. elongatodigitata*<sup>††</sup> (Nagao, 1941)

*C. inornatus*<sup>††</sup> Schweitzer & Feldmann, 2001a

*C. kusiroensis*<sup>††</sup> (Nagao, 1941)

*C. microspineus*<sup>††</sup> Beschin et al., 2005

*C. muratai*<sup>††</sup> (Nagao, 1941)

*C. titaensis*<sup>††</sup> (Nagao, 1941) (= *Callianassa shikamai* Imaizumi, 1957a)

*Ctenocheles*<sup>†</sup> Kishinouye, 1926 (= *Ischnodactylus* Pelse-  
neer, 1886c) (5, 1, 15)

*C. anderseni*<sup>††</sup> Collins & Jakobsen, 2003

*C. chattiensis*<sup>††</sup> Polkowsky, 2004

*C. cookei*<sup>††</sup> (Rathbun, 1935a)

*C. cultellus*<sup>††</sup> (Rathbun, 1935a)

*C. dentatus*<sup>††</sup> (Rathbun, 1935a)

*C. falciformis*<sup>††</sup> Collins & Todd in Todd & Collins, 2005

*C. hokoensis*<sup>††</sup> Schweitzer & Feldmann, 2001a

*C. inaequidens*<sup>††</sup> (Pelse-  
neer, 1886c)

*C. madagascariensis*<sup>††</sup> Secretan, 1964

*C. maorianus*<sup>†</sup> Powell, 1949

*C. ornatus*<sup>††</sup> Beschin et al., 2005

*C. possagnoensis* Busulini & Beschin, 2009

*C. rupeliensis*<sup>††</sup> (Beurlen, 1939)

*C. secretanae*<sup>††</sup> Schweitzer & Feldmann, 2002

*C. sujaku*<sup>††</sup> Imaizumi, 1958

*C. valdellae*<sup>††</sup> (Fabiani, 1908)

*C. victor*<sup>††</sup> Glaessner, 1948

**Gourretiidae**<sup>†</sup> Sakai, 1999

*Gourretia*<sup>†</sup> de Saint Laurent, 1973 (10, 0, 1)

*G. aquilae*<sup>††</sup> (Rathbun, 1935a)

**Laomediidae**<sup>†</sup> Borradaile, 1903*Jaxea*<sup>†</sup> Nardo, 1847 (1, 1, 1)*J. kuemeli*<sup>††</sup> Bachmayer, 1954a*J. nocturna*<sup>†</sup> Nardo, 1847*Laomedia*<sup>†</sup> De Haan, 1847 (4, 0, 1)*L. praestacina*<sup>††</sup> Karasawa, 1989*Laurentiella*<sup>†</sup> LeLoeuff & Intès, 1974 (1, 0, 1)*L. imaizumii*<sup>††</sup> Karasawa, 1993**Thomassiniidae** de Saint Laurent, 1979

No fossil representatives

**Upogebiidae**<sup>†</sup> Borradaile, 1903*Upogebia*<sup>†</sup> Leach, 1814 (114, 2, 21)*U. affinis*<sup>†</sup> (Say, 1818)*U. barti*<sup>††</sup> Fraaije, Van Bakel et al., 2006*U. boehmi*<sup>††</sup> Glaessner, 1930*U. ? clypeata*<sup>††</sup> (Carter, 1898)*U. controversa*<sup>††</sup> (Tribolet, 1874)*U. digitata*<sup>††</sup> (Robineau-Desvoidy, 1849)*U. eocenica*<sup>††</sup> Rathbun, 1926b*U. gamma*<sup>††</sup> (Rathbun, 1935a)*U. kowai*<sup>††</sup> Feldmann et al., 2008*U. lambrechtsi*<sup>††</sup> Fraaije, Van Bakel et al., 2006*U. meyeri*<sup>††</sup> (Robineau-Desvoidy, 1849)*U. midwayensis*<sup>††</sup> Rathbun, 1935a*U. miocenica*<sup>††</sup> Garassino, Artal & Pasini, 2009c*U. mizunamiensis*<sup>††</sup> Karasawa, 1989*U. munsteri*<sup>††</sup> (Robineau-Desvoidy, 1849)*U. obscura*<sup>††</sup> (Von Meyer, 1834)*U. perarolensis*<sup>††</sup> De Angeli & Messina, 1992*U. rhacheochir*<sup>††</sup> Stenzel, 1945*U. scabra*<sup>††</sup> Müller, 1974a*U. stellata*<sup>††</sup> (Montagu, 1808)*U. striata*<sup>††</sup> Karasawa & Kishimoto, 1996*U. tanegashimensis*<sup>††</sup> Karasawa & Inoue, 1992*Upogebia* sp. cf. *U. imperfecta*<sup>†</sup> Sakai, 1982

## Superfamily Axioidea Huxley, 1879

Family **Axiidae**<sup>†</sup> Huxley, 1879*Axiopsis*<sup>†</sup> Borradaile, 1903 (10, 0, 1)

- A. eximia*<sup>††</sup> Kensley & Williams, 1990  
*Axius*<sup>†</sup> Leach, 1816 [imprint 1815] (3, 0, 2)  
*A. fontannesi*<sup>††</sup> A. Milne-Edwards in Fontannes, 1885  
*A. reticulatus*<sup>††</sup> Rathbun, 1918  
*Etallonia*<sup>††</sup> Opper, 1861b (0, 0, 4)  
*E. hoellorum* Polz, 1999  
*E. longimana* (Münster, 1839) (type)  
*E. subtilis* (Krause, 1908)  
*E. suprajurensis* (Quenstedt, 1852)  
*Huxleyaris*<sup>††</sup> Bravi & Garassino, 1998a (0, 0, 1)  
*H. beneventana* Bravi & Garassino, 1998a (type)  
*Magila*<sup>††</sup> Münster, 1839 (0, 0, 12)  
*M. bonjouri* (Étallon, 1861)  
*M. denticulata* (Münster, 1839)  
*M. desmarestii* (Münster, 1839)  
*M. dissimilis* Carter, 1886  
*M. dura* (Moericke, 1889)  
*M. latimana* (Münster, 1839) (type)  
*M. levimana* Carter, 1886  
*M. parvula* Opper, 1862  
*M. pichleri* Opper, 1862  
*M. robusta* Opper, 1862  
*M. rougemonti* Tribolet, 1873  
*M. straeleni* (Patrullius, 1959)  
*Megachela*<sup>††</sup> Schweigert, 2003 (0, 0, 1)  
*M. frickhingeri* Schweigert, 2003 (type)  
*Protaxius*<sup>††</sup> Beurlen, 1930a (0, 0, 4)  
*P. betajurensis* (Quenstedt, 1858)  
*P. eocenicus* Secretan, 1975  
*P. isochelus* (Woodward, 1876a) (type)  
*P. suevicus* Beurlen, 1930a  
*Schlueteria*<sup>††</sup> Fritsch & Kafka, 1887 (0, 0, 4)  
*S. carinata* Taylor, 1979  
*S. menabensis* Secretan, 1964  
*S. tetracheles* Fritsch & Kafka, 1887 (type)  
*S. tuberculosa* Secretan, 1964

**Calocarididae** Ortmann, 1891

No fossil representatives

**Micheleidae**<sup>†</sup> Sakai, 1992*Paki*<sup>††</sup> Karasawa & Hayakawa, 2000 (0, 0, 1)*P. rurkonsimpu* Karasawa & Hayakawa, 2000 (type)**Strahlaxiidae** Poore, 1994

No fossil representatives

## Infraorder PALINURA Latreille, 1802

## Superfamily Eryonoidea De Haan, 1841

Family **Eryonidae**<sup>††</sup> De Haan, 1841*Cycleryon*<sup>††</sup> Glaessner, 1965 (0, 0, 4)*C. elongatus* (Münster, 1839)*C. orbiculatus* (Münster, 1839) (= *E. armatus* Von Knebel, 1907; *E. subrotundus* Münster, 1839)*C. propinquus* (Schlotheim, 1822) (= *E. schuberti* Von Meyer, 1836; *E. spinimanus* Germar, 1827) (type)*C. wulfi* Garassino & Schweigert, 2004*Eryon*<sup>††</sup> Desmarest, 1822 (0, 0, 5)*E. arctiformis* Schlotheim, 1822 (type)*E. ellipticus* Van Straelen, 1923a*E. neocomiensis* Woodward, 1881*E. perroni* Étallon, 1859*E. sublevis* Carter, 1886*Knebelia*<sup>††</sup> Van Straelen, 1922 (0, 0, 1)*K. bilobata* (Münster, 1839) (type)*Rosenfeldia*<sup>††</sup> Garassino, Teruzzi & Dalla Vecchia, 1996 (0, 0, 2)*R. oppeli* (Woodward, 1866b)*R. triasica* Garassino et al., 1996 (type)**Coleiidae**<sup>††</sup> Van Straelen, 1924 [imprint 1925]*Coleia*<sup>††</sup> Broderip, 1835 (= *Palaeopolycheles*<sup>††</sup> Von Knebel, 1907) (0, 0, 21)*C. antiqua* Broderip, 1835 (type)*C. barrovensis* (McCoy, 1849)*C. boboi* Garassino & Gironi, 2006*C. bredonensis* Woods, 1925*C. brodiei* (Woodward, 1866b)*C. crassichelis* (Woodward, 1866b) (= *Archaeoastacus* (*Eryon*) *willemoesii* Bate, 1884)*C. edwardsi* (Morière, 1864)

- C. incerta* Secretan, 1964  
*C. longipes* (Fraas, 1855)  
*C. mediterranea* Pinna, 1968  
*C. moorei* (Woodward, 1866b)  
*C. morierei* (Renault, 1889)  
*C. pinnai* Teruzzi, 1990  
*C. popeyei* Teruzzi, 1990  
*C. sibirica* Chernyshev, 1930  
*C. sinuata* Beurlen, 1928a  
*C. tenuichelis* Woods, 1925  
*C. theodorii* Kuhn, 1952  
*C. uzume* Karasawa et al., 2003  
*C. viallii* Pinna, 1968  
*C. wilmcotensis* (Woodward, 1866b)  
 \**Hasaracancer*<sup>††</sup> Jux, 1971 (0, 0, 1)  
*H. cristatus* Jux, 1971 (type)  
*Hellerocaris*<sup>††</sup> Van Straelen, 1924 [imprint 1925] (0, 0, 1)  
*H. falloti* (Van Straelen, 1923a) (type)  
*Proeryon*<sup>††</sup> Beurlen, 1928a (0, 0, 5)  
*P. giganteus* (Van Straelen, 1923a)  
*P. hartmanni* (Von Meyer, 1835) (type) [= *P. banzensis* Kuhn, 1952; *P. longiceps* Beurlen, 1928a; *P. macrophthalmus* (Krause, 1891); *P. richardsoni* (Woodward, 1911)]  
*P. laticaudatus* Beurlen, 1928a (= *P. hauffi* Beurlen, 1944; *P. giganteus* Beurlen, 1930b)  
*P. stoddarti* (Woodward, 1881)  
*P. viluensis* Chernyshev, 1930  
*Pseudocoleia*<sup>††</sup> Garassino & Teruzzi, 1993 (0, 0, 1)  
*P. mazzolenii* Garassino & Teruzzi, 1993 (type)  
*Tropifer*<sup>††</sup> Gould, 1857 (0, 0, 1)  
*T. laevis* Gould, 1857 (type)  
**Palaeopentachelidae**<sup>††</sup> Ahyong, 2009  
*Palaeopentacheles*<sup>††</sup> Von Knebel, 1907 (0, 0, 2)  
*P. roettenbacheri* (Münster, 1839) (type)  
*P. starri* Schweitzer & Feldmann, 2001a  
**Polychelidae**<sup>†</sup> Wood-Mason, 1875  
*Antarcticheles*<sup>††</sup> Aguirre-Urreta et al., 1990 (0, 0, 1)

*A. antarcticus* Aguirre-Urreta et al., 1990 (type)  
*Willemoesiocaris*<sup>††</sup> Van Straelen, 1924 [imprint 1925]  
 (0, 0, 1)

*W. ovalis* (Van Straelen, 1923a) (type)

Incertae sedis

“*Coleia*” *escheri* (Oppel, 1862)

*Palaeopolycheles crymensis* Levitski, 1974

**Tetrachelidae**<sup>††</sup> Beurlen, 1930a

*Tetrachela*<sup>††</sup> Reuss, 1858 (0, 0, 1)

*T. raiblana* Bronn, 1858 (type)

Superfamily Palinuroidea Latreille, 1802

Family **Cancrinidae**<sup>††</sup> Beurlen, 1930a

*Cancrinos*<sup>††</sup> Münster, 1839 (0, 0, 3)

*C. claviger* Münster, 1839 (type) (= *C. latipes* Münster, 1839)

*C. libanensis* Garassino & Schweigert, 2006a

*C. sahelalmae* (Roger, 1944)

**Palinuridae**<sup>†</sup> Latreille, 1802

*Archaeocarabus*<sup>††</sup> McCoy, 1849 (0, 0, 4)

*A. bowerbanki* McCoy, 1849 (type)

*A. gardnerae* Rathbun, 1935a

*A. vanuaensis* Rathbun, 1945

*A. whitfieldi* (Pilsbry, 1901)

*Archaeopalpinurus*<sup>††</sup> Pinna, 1974 (0, 0, 1)

*A. levis* Pinna, 1974 (type)

*Astacodes*<sup>††</sup> Bell, 1863 (0, 0, 6)

*A. davisii* Stenzel, 1945

*A. falcifer* Bell, 1863 (type)

*A. kamptneri* (Bachmayer, 1959)

*A. maxwelli* Stenzel, 1945

*A. strambergensis* (Bachmayer, 1959)

*A. woodwardi* Fritsch & Kafka, 1887

*Jasus*<sup>†</sup> Parker, 1883 (6, 0, 1) (number of extant species from Booth, 2006)

*J. flemingi*<sup>††</sup> Glaessner, 1960

*Justitia*<sup>†</sup> Holthuis, 1946 (1, 1, 1)

*J. desmaresti*<sup>†</sup> (Massalongo, 1854) (type)

*J. vicetina*<sup>††</sup> Beschin, De Angelo & Garassino, 2001

- Linuparus*<sup>†</sup> White, 1847a (3, 0, 32)
- L. adkinsi*<sup>††</sup> Rathbun, 1935a
- L. africanus*<sup>††</sup> Glaessner, 1932a
- L. bererensis*<sup>††</sup> Secretan, 1964
- L. bigranulatus*<sup>††</sup> Glaessner, 1930
- L. canadensis*<sup>††</sup> (Whiteaves, 1885) (= *L. atavus* Ort-  
mann, 1897)
- L. carteri*<sup>††</sup> (Reed, 1911)
- L. dentatus*<sup>††</sup> Van Straelen, 1936a
- L. duelmenensis*<sup>††</sup> (Geinitz, 1849-50)
- L. dzheirantuiensis*<sup>††</sup> Feldmann, Schweitzer et al., 2007
- L. eocenicus*<sup>††</sup> Woods, 1925
- L. euthymei*<sup>††</sup> (Roman & Mazeran, 1920)
- L. grimmeri*<sup>††</sup> Stenzel, 1945
- L. hantscheli*<sup>††</sup> Mertin, 1941
- L. japonicus*<sup>††</sup> Nagao, 1931
- L. kleinfelderi*<sup>††</sup> Rathbun, 1931a
- L. korura*<sup>††</sup> Feldmann & Bearlin, 1988
- L. laevicephalus*<sup>††</sup> Mertin, 1941
- L. macellarii*<sup>††</sup> Feldmann & Tshudy, 1988
- L. petkovici*<sup>††</sup> Bachmayer & Marković, 1955
- L. pustulosus*<sup>††</sup> Feldmann, Bishop & Kammer, 1977
- L. richardsi*<sup>††</sup> Roberts, 1962
- L. schluteri*<sup>††</sup> (Tribolet, 1874)
- L. scyllariformis*<sup>††</sup> (Bell, 1858)
- L. spinosus*<sup>††</sup> Collins & Rasmussen, 1992
- L. stolleyi*<sup>††</sup> (Haas, 1889)
- L. straili*<sup>††</sup> (Forir, 1887)
- L. tarrantensis*<sup>††</sup> Davidson, 1963
- L. texanus*<sup>††</sup> Rathbun, 1935a
- L. trigonus*<sup>†</sup> (Von Siebold, 1824)
- L. vancouverensis*<sup>††</sup> (Whiteaves, 1895)
- L. watkinsi*<sup>††</sup> Stenzel, 1945
- L. wilcoxensis*<sup>††</sup> Rathbun, 1935a
- Palaeopalinurus*<sup>††</sup> Bachmayer, 1954b (0, 0, 1)
- P. glaessneri* Bachmayer, 1954b (type)
- Palinurina*<sup>††</sup> Münster, 1839 (0, 0, 2)
- P. longipes* Münster, 1839 (type) (= *P. pygmaea* Münster,  
1839)

- P. tenera* Oppel, 1862  
*Palinurus*<sup>†</sup> Weber, 1795 (5, 0, 3) (number of extant species from Groeneveld et al., 2006)  
*P. baumbergicus*<sup>††</sup> Schlüter, 1862  
*P. palaciosi*<sup>††</sup> Vega, García-Barrera et al., 2006  
*P. woodwardi*<sup>††</sup> Fritsch & Kafka, 1887  
*Panulirus*<sup>†</sup> White, 1847a (21, 0, 1) (number of extant species from Patek et al., 2006)  
*P. destombesi*<sup>††</sup> Garassino & Breton, 2009  
*Pehuenchia*<sup>††</sup> Rusconi, 1948 (0, 0, 2)  
*P. ? magna* Rusconi, 1948  
*P. tellecheai* Rusconi, 1948 (type)
- Scyllaridae**<sup>†</sup> Latreille, 1825
- Biarctus*<sup>†</sup> Holthuis, 2002 (3, 1, 0)  
*B. vitiensis*<sup>†</sup> (Dana, 1852b)  
*Palibacus*<sup>††</sup> Förster, 1984 (0, 0, 1)  
*P. praecursor* (Dames, 1886) (type)  
*Parribacus*<sup>†</sup> Dana, 1852a (5, 1, 3)  
*P. caesius*<sup>††</sup> Squires, 2001  
*P. cottreai*<sup>††</sup> (Roger, 1946)  
*P. cristatus*<sup>††</sup> Förster, 1984  
*P. japonicus*<sup>†</sup> Holthuis, 1960  
*Scyllarella*<sup>††</sup> Rathbun, 1935a (0, 0, 3)  
*S. aspera*<sup>††</sup> Rathbun, 1935a  
*S. gardneri*<sup>††</sup> (Woods, 1925)  
*S. gibbera*<sup>††</sup> Rathbun, 1935a (type)  
*Scyllarides*<sup>†</sup> Gill, 1898 (13, 1, 4) (number of extant species from Spanier & Lavalli, 2006)  
*S. aequinoctialis*<sup>†</sup> (Lund, 1793) (type)  
*S. bolcensis*<sup>††</sup> De Angeli & Garassino, 2008  
*S. koenigi*<sup>††</sup> (Bell, 1858)  
*S. punctatus*<sup>††</sup> Woods, 1925  
*S. tuberculatus*<sup>††</sup> (König, 1825)  
*Scyllarus*<sup>†</sup> Fabricius, 1775 (9, 0, 2)  
*S. junghumi*<sup>††</sup> Böhm, 1922  
*S. mantelli*<sup>††</sup> Desmarest, 1822
- Tricariniidae**<sup>††</sup> Feldmann, Kolahdouz, Biranvand & Schweigert, 2007



- Tricarina*<sup>††</sup> Feldmann et al., 2007 (0, 0, 1)  
*T. gadvanensis* Feldmann et al., 2007 (type)
- Infraorder ANOMURA MacLeay, 1838
- Superfamily Lomisoidea Bouvier, 1895
- Family **Lomisidae** Bouvier, 1895
- No fossil representatives
- Superfamily Galatheoidea Samouelle, 1819
- Family **Aeglidae**<sup>†</sup> Dana, 1852a
- Haumuriaegla*<sup>††</sup> Feldmann, 1984 (0, 0, 1)  
*H. glaessneri* Feldmann, 1984 (type)  
*Protaegla*<sup>††</sup> Feldmann, Vega, Applegate & Bishop, 1998  
 (0, 0, 1)  
*P. miniscula* Feldmann et al., 1998 (type)
- Chirosstylidae**<sup>†</sup> Ortmann, 1892a
- Eumunida*<sup>†</sup> Smith, 1883 (29, 0, 1)  
*E. pentacantha* (Müller & Collins, 1991)  
*Pristinaspina*<sup>††</sup> Schweitzer & Feldmann, 2000a (0, 0, 1)  
*P. gelasina* Schweitzer & Feldmann, 2000a (type)
- Galatheidae**<sup>†</sup> Samouelle, 1819
- Acanthogalatheia*<sup>††</sup> Müller & Collins, 1991 (0, 0, 3)  
*A. feldmanni* De Angeli & Garassino, 2002  
*A. parva* (Müller & Collins, 1991) (type)  
*A. squamosa* Beschin, Busulini, De Angeli & Tessier,  
 2007
- Austromunida*<sup>††</sup> Schweitzer & Feldmann, 2000a (0, 0, 1)  
*A. casadioi* Schweitzer & Feldman, 2000a (type)
- Brazilomunida*<sup>††</sup> Martins-Neto, 2001 (0, 0, 1)  
*B. brasiliensis* (Beurlen, 1965) (type)
- Calteagalatheia*<sup>††</sup> De Angeli & Garassino, 2006a (0, 0, 1)  
*C. friulana* De Angeli & Garassino, 2006a (type)
- Cretagalatheia*<sup>††</sup> Garassino, De Angeli & Pasini, 2008  
 (0, 0, 1)  
*C. exigua* Garassino, De Angeli & Pasini, 2008 (type)
- Eomunidopsis*<sup>††</sup> Vía, 1981 (0, 0, 7)  
*E. kinokunika* Karasawa, Ohara & Kato, 2008  
*E. limonitica* (Stenzel, 1945)  
*E. meerssensensis* Collins et al., 1995  
*E. neojurensis* Patruilius, 1959

- E. navarrensis* (Van Straelen, 1940b)  
*E. orobensis* (Ruiz de Gaona, 1943) (type)  
*E. portlandica* Fraaye & Collins, 1996  
*Faxegalathea*<sup>††</sup> Jakobsen & Collins, 1997 (0, 0, 1)  
*F. platyspinosa* Jakobsen & Collins, 1997 (type)  
*Galathea*<sup>†</sup> Fabricius, 1793 (68, 2, 10)  
*G. affinis*<sup>††</sup> Ristori, 1886  
*G. antiqua*<sup>††</sup> Risso, 1815  
*G. berica*<sup>††</sup> De Angeli & Garassino, 2002  
*G. dispersa*<sup>†</sup> Bate, 1859  
*G. keijii*<sup>††</sup> Karasawa, 1993  
*G. lupiae*<sup>††</sup> Robineau-Desvoidy, 1849  
*G. sahariana*<sup>††</sup> Garassino, De Angeli & Passini, 2008  
*G. spitzbergica*<sup>††</sup> Gripp, 1927  
*G. squamifera*<sup>†</sup> Leach, 1815  
*G. strigifera*<sup>††</sup> Fischer-Benzon, 1866  
*G. valmaranensis*<sup>††</sup> De Angeli & Garassino, 2002  
*G. weinfurteri*<sup>††</sup> Bachmayer, 1950  
*Gastrosacus*<sup>††</sup> Von Meyer, 1851b (= *Galatheites* Balss, 1913) (0, 0, 11)  
*G. carteri* Van Straelen, 1924 [imprint 1925]  
*G. eminens* (Blaschke, 1911)  
*G. eutecta* (Moericke, 1889)  
*G. meyeri* (Moericke, 1889)  
*G. robineaui* (Tribolet, 1874)  
*G. royoi* Van Straelen, 1927  
*G. straeleni* (Ruiz de Gaona, 1943)  
*G. tuberosa* (Remeš, 1895)  
*G. tuberosiformis* Lörenthey in Lörenthey & Beurlen, 1929  
*G. wetzleri* Von Meyer, 1851b (type)  
*G. zitteli* (Moericke, 1889)  
*Lessinigalathea*<sup>††</sup> De Angeli & Garassino, 2002 (0, 0, 1)  
*L. regale* De Angeli & Garassino, 2002 (type)  
*Lophoraninella*<sup>††</sup> Glaessner, 1946 (0, 0, 1)  
*L. cretacea* (Dames, 1886) (type)  
*Luisogalathea*<sup>††</sup> Karasawa & Hayakawa, 2000 (0, 0, 3)  
*L. cobbani* (Bishop, 1985c)

- L. cretacea* (Stenzel, 1945)  
*L. tomitai* Karasawa & Hayakawa, 2000 (type)  
*Mesogalathea*<sup>††</sup> Houša, 1963 (0, 0, 1)  
*M. striata* (Remeš, 1895) (type)  
*Munida*<sup>†</sup> Leach, 1820 (246, 0, 5)  
*M. konara*<sup>††</sup> Schweitzer & Feldmann, 2000a  
*M. nishioi*<sup>††</sup> Karasawa, 1993  
*M. ogaensis*<sup>††</sup> (Hatai & Kotaka, 1970)  
*M. primaeva*<sup>††</sup> Segerberg, 1900  
*M. quadrolonga*<sup>††</sup> Schweitzer & Feldmann, 2000a  
*Munidopsis*<sup>†</sup> Whiteaves, 1874 (224, 0, 2)  
*M. foersteri* Feldmann et al., 1993  
*M. scabrosa* Feldmann & Wilson, 1988  
*Munitheites*<sup>††</sup> Lőrenthey in Lőrenthey & Beurlen, 1929  
(0, 0, 1)  
*M. palfyi* Lőrenthey in Lőrenthey & Beurlen, 1929  
(type)  
*Paragalathea*<sup>††</sup> Patruilius, 1959 (0, 0, 11)  
*P. africana* Garassino, De Angeli & Pasini, 2008  
*P. miyakoensis* Takeda & Fujiyama, 1983  
*P. multisquamata* Vía, 1981  
*P. neocomiensis* (Van Straelen, 1936a)  
*P. ornatissima* Patruilius, 1966  
*P. ruizi* (Van Straelen, 1940b)  
*P. straeleni* (Ruiz de Gaona, 1943)  
*P. striata* (Remeš, 1895)  
*P. substriata* (Blaschke, 1911)  
*P. ubaghsi* (Pelseneer, 1886c)  
*P. verrucosa* (Moericke, 1889) (type)  
*Palaeomunida*<sup>††</sup> Lőrenthey, 1902 (0, 0, 3)  
*P. defecta* (Lőrenthey, 1902) (type)  
*P. moesica* Muşiu & Bădăluţă, 1971  
*P. multicristata* De Angeli & Garassino, 2002  
*Palaeomunidopsis*<sup>††</sup> Van Straelen, 1924 [imprint 1925]  
(0, 0, 1)  
*P. moutieri* (Van Straelen, 1923b) (type)  
*Protomunida*<sup>††</sup> Beurlen, 1930a (0, 0, 2)  
*P. munidoides* (Segerberg, 1900) (type)

- P. pentacantha* Müller & Collins, 1991  
*Shinkaia*<sup>†</sup> Baba & Williams, 1998 (1, 0, 1)  
*S. katapsyxis*<sup>††</sup> Schweitzer & Feldmann, 2008a  
*Spathagalathea*<sup>††</sup> De Angeli & Garassino, 2002 (0, 0, 1)  
*S. minuta* De Angeli & Garassino, 2002 (type)

**Porcellanidae**<sup>†</sup> Haworth, 1825

- Annieporcellana*<sup>††</sup> Fraaije et al., 2008 (0, 0, 1)  
*A. dhondtae* Fraaije et al., 2008 (type)  
*Beripetrolisthes*<sup>††</sup> De Angeli & Garassino, 2002 (0, 0, 1)  
*B. mulleri* De Angeli & Garassino, 2002 (type)  
*Eopetrolisthes*<sup>††</sup> De Angeli & Garassino, 2002 (0, 0, 1)  
*E. striatissimus* (Müller & Collins, 1991) (type)  
*Lobipetrolisthes*<sup>††</sup> De Angeli & Garassino, 2002 (0, 0, 1)  
*L. blowi* De Angeli & Garassino, 2002 (type)  
*Longoporcellana*<sup>††</sup> Müller & Collins, 1991 (0, 0, 2)  
*L. denticulata* Müller & Collins, 1991 (type)  
*L. lobata* De Angeli & Garassino, 2002  
*Pachycheles*<sup>†</sup> Stimpson, 1858a (39, 1, 2)  
*P. dorsosulcatus*<sup>††</sup> Beschin, Busulini, De Angeli & Tessier, 2007  
*P. latus*<sup>††</sup> Rathbun, 1918  
*P. stevensii*<sup>†</sup> Stimpson, 1858a  
*Petrolisthes*<sup>†</sup> Stimpson, 1858a (100, 0, 9)  
*P. avitus*<sup>††</sup> Rathbun, 1918  
*P. bittneri*<sup>††</sup> De Angeli & Garassino, 2002  
*P. haydni*<sup>††</sup> Müller, 1984a  
*P. lauensis*<sup>††</sup> Rathbun, 1945  
*P. magnus*<sup>††</sup> Müller, 1984a  
*P. miocaenicus*<sup>††</sup> Karasawa, 1993  
*P. myakkensis*<sup>††</sup> Bishop & Portell, 1989  
*P. ? striatissimus*<sup>††</sup> Müller & Collins, 1991  
*P. vicetinus*<sup>††</sup> Beschin, De Angeli & Checchi, 2001  
*Pisidia*<sup>†</sup> Leach, 1820 (10, 0, 3)  
*P. dorsosinuosa*<sup>††</sup> De Angeli & Garassino, 2002  
*P. kokayi*<sup>††</sup> (Müller, 1974b)  
*P. viai*<sup>††</sup> Müller, 1984b  
*Polyonyx*<sup>†</sup> Stimpson, 1858a (18, 0, 1)  
*P. arcuatus*<sup>††</sup> Müller & Collins, 1991

*Porcellana*<sup>†</sup> Lamarck, 1801 (10, 0, 1)

*P. antiqua*<sup>††</sup> A. Milne-Edwards, 1862a

**Retrorsichelidae**<sup>††</sup> Feldmann, Tshudy & Thomson, 1993

*Retrorsichela*<sup>††</sup> Feldmann, Tshudy & Thomson, 1993  
(0, 0, 1)

*R. laevis* Feldmann et al., 1993 (type)

**Family uncertain**

*Ovocarcinus*<sup>††</sup> Müller & Collins, 1991 (0, 0, 1)

*O. elongatus* Müller & Collins, 1991 (type)

Superfamily Hippoidea Latreille, 1825

Family **Albuneidae**<sup>†</sup> Stimpson, 1858a

*Albunea*<sup>†</sup> Weber, 1795 (22, 0, 4)

*A. asymmetrica*<sup>††</sup> (Müller, 1978)

*A. cuisiana*<sup>††</sup> Beschin & De Angeli, 1984

*A. hahnae*<sup>††</sup> Blow & Manning, 1996

*A. turritellacola*<sup>††</sup> Fraaije, Van Bakel & Jagt, 2008

*Italialbunea*<sup>††</sup> Boyko, 2002 (0, 0, 1)

*I. lutetiana* (Beschin & De Angeli, 1984) (type)

*Praealbunea*<sup>††</sup> Fraaije, 2002 (0, 0, 1)

*P. rickorum* Fraaije, 2002 (type)

*Stemonopa*<sup>†</sup> Efford & Haig, 1968 (1, 0, 1)

*S. prisca*<sup>††</sup> De Angeli, Beschin & Checchi, 2005

*Zygopa*<sup>†</sup> Holthuis, 1961 (2, 0, 1)

*Z. galantensis*<sup>††</sup> (De Angeli & Marangon, 2001)

**Blepharipodidae**<sup>†</sup> Boyko, 2002

*Lophomastix*<sup>†</sup> Benedict, 1904 (3, 0, 4)

*L. altoonaensis*<sup>††</sup> Nyborg & Vega, 2008

*L. antiqua*<sup>††</sup> Schweitzer & Boyko, 2000

*L. boykoi*<sup>††</sup> Nyborg & Vega, 2008

*L. kellyi*<sup>††</sup> Nyborg & Vega, 2008

**Hippidae** Latreille, 1825

No fossil representatives

Superfamily Kiwaoidea Macpherson, Jones & Segonzac, 2005

Family **Kiwaidae** Macpherson, Jones & Segonzac, 2005

No fossil representatives

Superfamily Lithodoidea Samouelle, 1819

Family **Lithodidae**<sup>†</sup> Samouelle, 1819

*Paralomis*<sup>†</sup> White, 1856 (56, 0, 1)

*P. debodeorum*<sup>††</sup> Feldmann, 1998

Superfamily Paguroidea Latreille, 1802

Family uncertain

*Ammopylocheles*<sup>††</sup> Van Bakel et al., 2008 (0, 0, 1)

*A. mclaughlini* Van Bakel et al., 2008 (type)

*Eopaguroopsis*<sup>††</sup> Van Bakel et al., 2008 (0, 0, 1)

*E. loercheri* Van Bakel et al., 2008 (type)

*Eotylaspis*<sup>††</sup> Van Bakel et al., 2008 (0, 0, 1)

*E. wehnerae* Van Bakel et al., 2008 (type)

*Jurapylocheles*<sup>††</sup> Van Bakel et al., 2008 (0, 0, 1)

*J. malutka* Van Bakel et al., 2008 (type)

Family **Coenobitidae**<sup>†</sup> Dana, 1851c

*Birgus*<sup>†</sup> Leach, 1816 [imprint 1815] (1, 0, 1)

*B. latro*<sup>†</sup> (Linnaeus, 1767)

*Coenobita*<sup>†</sup> Latreille, 1829 (15, 1, 0)

*C. rugosus*<sup>†</sup> Bouvier, 1890 (= *C. granulata* Bouvier, 1890)

**Diogenidae**<sup>†</sup> Ortmann, 1892a

*Annuntidiogenes*<sup>††</sup> Fraaije et al., 2008 (0, 0, 3)

*A. ruizdegaonai* Fraaije et al., 2008 (type)

*A. sunuciorum* Fraaije et al., 2008

*A. worfi* Fraaije et al., 2009

*Calcinus*<sup>†</sup> Dana, 1851a (43, 0, 1)

*C. agnoensis*<sup>††</sup> Beschin et al., 2005

*Ciliopagurus*<sup>†</sup> Forest, 1995 (16, 0, 3)

*C. obesus*<sup>††</sup> Van Bakel, Jagt & Fraaije, 2002

*C. substriatiformis*<sup>††</sup> (Lőrenthey in Lőrenthey & Beurlen, 1929)

*C. tethysianus*<sup>††</sup> Beschin, Busulini, De Angeli & Tessier, 2007

*Dardanus*<sup>†</sup> Paul'son, 1875 (40, 3, 8)

*D. arnoldi*<sup>††</sup> Rathbun, 1926a

*D. arrosor*<sup>†</sup> (Herbst, 1796)

*D. biordines*<sup>††</sup> Collins & Todd in Todd & Collins, 2005

*D. curtimanus*<sup>††</sup> Müller & Collins, 1991

*D. gemmatus*<sup>†</sup> (H. Milne Edwards, 1848)

*D. hungaricus*<sup>††</sup> (Lőrenthey in Lőrenthey & Beurlen, 1929)

- D. impressus*<sup>†</sup> (De Haan, 1849)  
*D. lauensis*<sup>††</sup> Rathbun, 1945  
*D. mediterraneus*<sup>††</sup> (Lőrentthey, 1907a [German edition 1909a])  
*D. muelleri*<sup>††</sup> Karasawa & Inoue, 1992  
*D. squamatus*<sup>††</sup> Collins in Collins et al., 2009  
*Diogenes*<sup>†</sup> Dana, 1851a (56, 2, 2)  
*D. edwardsii*<sup>†</sup> (De Haan, 1849)  
*D. longimanus*<sup>††</sup> Müller & Collins, 1991  
*D. matrensis*<sup>††</sup> Müller, 1984a  
*D. pugilator*<sup>†</sup> (Roux, 1828)  
*Eocalcinus*<sup>††</sup> Vía, 1959 (0, 0, 2)  
*E. cavus* Beschin et al., 2002  
*E. eocenicus* Vía, 1959 (type)  
*Paguristes*<sup>†</sup> Dana, 1851a (116, 0, 15)  
*P. baldoensis* Garassino, De Angeli & Pasini, 2009b  
*P. chipolensis*<sup>††</sup> Rathbun, 1935a  
*P. cserhatensis*<sup>††</sup> Müller, 1984a  
*P. extensus*<sup>††</sup> Beschin, Busulini, De Angeli & Tessier, 2007  
*P. florae*<sup>††</sup> Collins et al., 1995  
*P. hokoensis*<sup>††</sup> Schweitzer & Feldmann, 2001a  
*P. johnsoni*<sup>††</sup> Rathbun, 1935a  
*P. lineatuberculatus*<sup>††</sup> Beschin et al., 2006  
*P. oligotuberculatus*<sup>††</sup> Müller & Collins, 1991  
*P. ouachitensis*<sup>††</sup> Rathbun, 1935a  
*P. prealpinus*<sup>††</sup> Beschin et al., 2005  
*P. santamartaensis*<sup>††</sup> Feldmann, Tshudy & Thomson, 1993  
*P. subaequalis*<sup>††</sup> (Rathbun, 1926a)  
*P. wheeleri*<sup>††</sup> Blow & Manning, 1996  
*P. whitteni*<sup>††</sup> Bishop, 1983c  
*Parapaguristes*<sup>††</sup> Bishop, 1986a (0, 0, 1)  
*P. tuberculatus* Bishop, 1986a (type)  
*Petrochirus*<sup>†</sup> Stimpson, 1858a (3, 2, 6)  
*P. bahamensis*<sup>†</sup> (Herbst, 1791)  
*P. bouvieri*<sup>††</sup> Rathbun, 1918  
*P. diogenes*<sup>†</sup> (Linnaeus, 1758)

- P. inequalis*<sup>††</sup> Rathbun, 1919  
*P. mezi*<sup>††</sup> (Lőrenthey, 1907b [German edition 1909b])  
*P. poscolensis*<sup>††</sup> Beschin et al., 2006  
*P. priscus*<sup>††</sup> (Brocchi, 1883)  
*P. taylori*<sup>††</sup> Rathbun, 1935a  
*Striadiogenes*<sup>††</sup> Garassino, De Angeli & Pasini, 2009a  
 (0, 0, 1)  
*S. frigerioi* Garassino, De Angeli & Pasini, 2009a (type)
- Paguridae**<sup>†</sup> Latreille, 1802
- Anapagurus*<sup>†</sup> Henderson, 1886 (20, 0, 2)  
*A. carinatus*<sup>††</sup> Harvey, 1998 (for *A. marginatus* Müller, 1979)  
*A. miocenicus*<sup>††</sup> Müller, 1978  
*Diacanthurus*<sup>†</sup> McLaughlin & Forest, 1997 (5, 0, 1)  
*D. clifdenensis*<sup>††</sup> (Hyden & Forest, 1980)  
*Goniochirus*<sup>††</sup> Étallon, 1861 (0, 0, 7)  
*G. antoinei* Van Straelen, 1924 [imprint 1925]  
*G. babeau* Étallon, 1861 (type)  
*G. cristatus* Carter, 1886  
*G. jaccardi* Étallon, 1861  
*G. laevis* Van Straelen, 1924 [imprint 1925]  
*G. obliquus* Van Straelen, 1924 [imprint 1925]  
*G. platycheles* (McCoy, 1849)  
*Orhomalus*<sup>††</sup> Étallon, 1861 (0, 0, 17)  
*O. araricus* Étallon, 1861  
*O. astartinus* Étallon, 1861  
*O. corallinus* Étallon, 1861  
*O. deformis* (Oppel, 1862)  
*O. deslongchamps* Hée, 1924  
*O. jaccardi* (Tribolet, 1873)  
*O. macrochirus* Étallon, 1861  
*O. magnificus* Crőnier & Courville, 2004  
*O. oppeli* Étallon, 1861  
*O. oxfordensis* (Hée, 1924)  
*O. pidauceti* Étallon, 1861  
*O. portlandicus* Étallon, 1861  
*O. rotulensis* De Gregorio, 1884  
*O. spinosus* Schweitzer, Feldmann & Lazăr, 2009



- O. tombecki* Tribolet, 1875  
*O. verrucosus* Étallon, 1861  
*O. virgulinus* Étallon, 1861 (type)  
*Pagurus*<sup>†</sup> Fabricius, 1775 (169, 7, 19)  
*P. alabamensis*<sup>††</sup> Rathbun, 1935a  
*P. alatoides*<sup>††</sup> Philippe & Secretan, 1971  
*P. arrosor*<sup>†</sup> (Herbst, 1794)  
*P. avellaneda*<sup>††</sup> Vía, 1951  
*P. banderensis*<sup>††</sup> Rathbun, 1935a  
*P. bernhardus*<sup>†</sup> Linnaeus, 1758  
*P. concavus*<sup>††</sup> Müller, 1978  
*P. constans*<sup>†</sup> (Stimpson, 1858a)  
*P. convexus*<sup>††</sup> Whetstone & Collins, 1982  
*P. dubius*<sup>††</sup> Noetling, 1885b  
*P. granosimanus*<sup>†</sup> (Stimpson, 1862)  
*P. langei*<sup>††</sup> Collins & Jakobsen, 2003  
*P. latidactylus*<sup>††</sup> Müller & Collins, 1991  
*P. malloryi*<sup>††</sup> Schweitzer & Feldmann, 2001a  
*P. manzonii*<sup>††</sup> (Ristori, 1888)  
*P. marcei*<sup>††</sup> Vía, 1959  
*P. marini*<sup>††</sup> Vía, 1959  
*P. megalops*<sup>†</sup> (Stimpson, 1858a)  
*P. pectinatus*<sup>†</sup> (Stimpson, 1858a)  
*P. rakosensis*<sup>††</sup> Müller, 1978  
*P. similis*<sup>†</sup> (Ortmann, 1892a)  
*P. squamosus*<sup>††</sup> Ristori, 1886  
*P. substriatus*<sup>††</sup> A. Milne-Edwards in Sismonda, 1861  
*P. travisensis*<sup>††</sup> Stenzel, 1945  
*P. tuberculosus*<sup>††</sup> Harvey, 1998 (for *P. albus* Müller, 1978)  
*P. turcus*<sup>††</sup> Müller, 1984a  
*Palaeopagurus*<sup>††</sup> Van Straelen, 1924 [imprint 1925] (0, 0, 14)  
*P. acutus* Crônier & Courville, 2004  
*P. cretaceous* Mertin, 1941  
*P. deslongchampsii* Van Straelen, 1924 [imprint 1925] (type)  
*P. guilleaumei* Van Straelen, 1924 [imprint 1925]

*P. jurensis* (Étallon, 1861)

*P. kellowiensis* (Étallon, 1861)

*P. laevis* Van Straelen, 1924 [imprint 1925]

*P. morinicus* Sauvage, 1891

*P. neraudeaui* Crônier & Courville, 2004

*P. pilsbryi* Roberts, 1962

*P. quadratus* Van Straelen, 1924 [imprint 1925]

*P. serialis* (Carter, 1886)

*P. spinosus* Van Straelen, 1924 [imprint 1925]

*P. tuberculatus* Van Straelen, 1924 [imprint 1925]

*Pylopagurus*<sup>†</sup> A. Milne-Edwards & Bouvier, 1891  
(5, 0, 2)

*P. corallinus*<sup>††</sup> Müller, 1996

*P. leganyii*<sup>††</sup> Müller, 1984a

**Parapaguridae** Smith, 1882

No fossil representatives

**Pylochelidae** Bate, 1888

No fossil representatives

**Pylojacquesidae** McLaughlin & Lemaitre, 2001

No fossil representatives

Infraorder BRACHYURA Linnaeus, 1758

Section Dromiacea De Haan, 1833

Superfamily Eocarcinoidea Withers, 1932a

Family **Eocarcinidae**<sup>††</sup> Withers, 1932a

*Eocarcinus*<sup>††</sup> Withers, 1932a (0, 0, 1)

*E. praecursor* Withers, 1932a (type)

Superfamily Dakoticancroidea<sup>††</sup> Rathbun, 1917a

Family **Ibericancriidae**<sup>††</sup> Artal et al., 2008

*Ibericancer*<sup>††</sup> Artal et al., 2008 (0, 0, 1)

*I. sanchoi* Artal et al., 2008 (type)

Family **Dakoticancridae**<sup>††</sup> Rathbun, 1917a

*Avitelmessus*<sup>††</sup> Rathbun, 1923a (0, 0, 1)

*A. grapsoides* Rathbun, 1923a (type)

*Dakoticancer*<sup>††</sup> Rathbun, 1917a (0, 0, 2)

*D. australis* Rathbun, 1935a

*D. overanus* Rathbun, 1917a (type)

*Seorsus*<sup>††</sup> Bishop, 1988a (0, 0, 1)

*S. wadei* Bishop, 1988a (type)

- Tetracarcinus*<sup>††</sup> Weller, 1905 (0, 0, 1)  
*T. subquadratus* Weller, 1905 (type)
- Superfamily Homolodromioidea Alcock, 1900a
- Family **Homolodromiidae**<sup>†</sup> Alcock, 1900a
- Antarctidromia*<sup>††</sup> Förster et al., 1985 (0, 0, 1)  
*A. inflata* Förster et al., 1985 (type)  
*Eoprosopon*<sup>††</sup> Förster, 1986 (0, 0, 1)  
*E. klugi* Förster, 1986 (type)  
*Homolodromia*<sup>†</sup> A. Milne-Edwards, 1880a (5, 0, 2)  
*H. chaneyi*<sup>††</sup> Feldmann & Wilson, 1988  
*H. novaezelandica*<sup>††</sup> Feldmann, 1993  
*Palehomola*<sup>††</sup> Rathbun, 1926a (0, 0, 1)  
*P. gorrelli* Rathbun, 1926a (type)  
*Preclarocarcinus*<sup>††</sup> Schweitzer, Feldmann, Čosović, Ross & Waugh, 2009 (0, 0, 1)  
*P. parvus* Schweitzer, Feldmann, Čosović, Ross & Waugh, 2009 (type)  
*Rhinodromia*<sup>††</sup> Schweitzer et al., 2004 (0, 0, 1)  
*R. richardsoni* (Woodward, 1896) (type)
- Bucculentidae**<sup>††</sup> Schweitzer & Feldmann, 2009a
- Bucculentum*<sup>††</sup> Schweitzer & Feldmann, 2009a (0, 0, 2)  
*B. bachmayeri* Schweitzer & Feldmann, 2009a  
*B. bucculentum* (Wehner, 1988) (type)  
*Wilmingtonia*<sup>††</sup> Wright & Collins, 1972 (0, 0, 1)  
*W. satyrica* Wright & Collins, 1972 (type)
- Goniodromitidae**<sup>††</sup> Beurlen, 1932
- Cycloprosopon*<sup>††</sup> Lőrenthey in Lőrenthey & Beurlen, 1929 (0, 0, 3)  
*C. complanatiforme* (Moericke, 1889)  
*C. etalloni* (Gemmellaro, 1869)  
*C. typicum* (Lőrenthey in Lőrenthey & Beurlen, 1929) (type)
- Cyclothyreus*<sup>††</sup> Remeš, 1895 (0, 0, 9)  
*C. cardiacus* Schweitzer & Feldmann, 2009c  
*C. divaricatus* Schweitzer & Feldmann, 2009c  
*C. latus* (Moericke, 1889)  
*C. quadrophthalmus* Schweitzer & Feldmann, 2009c  
*C. strangus* Schweitzer & Feldmann, 2009c

- C. transitorius* (Remeš, 1895)  
*C. reussi* (Gemmellaro, 1869)  
*C. strambergensis* Remeš, 1895 (type)  
*C. tithonius* (Gemmellaro, 1869)  
*Distefania*<sup>††</sup> Checchia-Rispoli, 1917 (= *Cyphonotus*  
[sensu] Bell, 1863) (0, 0, 10)  
*D. autissiodorensis* (Van Straelen, 1936a)  
*D. centrosa* (Van Straelen, 1940b)  
*D. cryptica* (Jagt, Van Bakel & Fraaije, 2007)  
*D. himeraensis* (Checchia-Rispoli, 1917) (= *D. sicula*  
Checchia-Rispoli, 1917) (type)  
*D. incerta* (Bell, 1863)  
*D. oxythyreiformis* (Gemmellaro, 1869)  
*D. renevieri* Tribolet, 1876  
*D. sergipensis* Beurlen, 1965  
*D. sinuososulcata* Wright & Collins, 1972  
*D. transiens* Wright & Collins, 1972  
*Eodromites*<sup>††</sup> Patruilius, 1959 (0, 0, 6)  
*E. grande* (Von Meyer, 1857) (type)  
*E. depressus* (Von Meyer, 1857)  
*E. dobrogea* (Feldmann, Lazăr & Schweitzer, 2006)  
*E. nitidus* (A. Milne-Edwards, 1865a)  
*E. polyphemi* (Gemmellaro, 1869)  
*E. rostratus* (Von Meyer, 1840a)  
*Goniodromites*<sup>††</sup> Reuss, 1858 [imprint 1857] (= *Iberihomola*  
Van Straelen, 1940b) (0, 0, 12)  
*G. aliquantulus* Schweitzer, Feldmann & Lazăr, 2007  
*G. bidentatus* Reuss, 1858 [imprint 1857] (type)  
*G. complanatus* Reuss, 1858 [imprint 1857]  
*G. cenomanensis* (Wright & Collins, 1972)  
*G. dacica* (Von Mücke, 1915)  
*G. dentatus* Lőrenthey in Lőrenthey & Beurlen, 1929  
*G. hirotai* Karasawa & Kato, 2007  
*G. laevis* (Van Straelen, 1940b)  
*G. polyodon* Reuss, 1858 [imprint 1857]  
*G. sakawense* Karasawa & Kato, 2007  
*G. serratus* Beurlen, 1929  
*G. transsylvanicus* Lőrenthey in Lőrenthey & Beurlen,  
1929

- Palaeodromites*<sup>††</sup> A. Milne-Edwards, 1865a (0, 0, 1)  
*P. octodentatus* A. Milne-Edwards, 1865a (type)  
*Pithonoton*<sup>††</sup> Von Meyer, 1842 (0, 0, 7 s.s. and 6 s.l.)  
 [meaning: 7 *sensu stricto* and 6 *sensu lato*]  
*P. elongatum* (Von Meyer, 1860) s.s.  
*P. iyonofutanajima* Karasawa & Kato, 2007 s.s.  
*P. laevimarginatum* Lörenthey in Lörenthey & Beurlen,  
 1929 s.s.  
*P. marginatum* Von Meyer, 1842 (type) s.s.  
*P. pustulosus* (Von Meyer, 1860) s.s.  
*P. rotundum* (Beurlen, 1925) s.s.  
*P. simplex* (Von Meyer, 1837) s.s.  
*P. aequilatum* (Von Meyer, 1860) s.l.  
*P. bourgeati* Van Straelen, 1924 [imprint 1925] s.l.  
*P. hypocritum* Étallon, 1861 s.l.  
*P. incisum* Van Straelen, 1924 [imprint 1925] s.l.  
*P. moutieri* (Hée, 1924) s.l.  
*P. obtusum* (Von Meyer, 1860) s.l.  
*Plagiophthalmus*<sup>††</sup> Bell, 1863 (0, 0, 3)  
*P. collinsi* Feldmann, Tshudy & Thomson, 1993  
*P. nitonensis* Wright & Wright, 1950  
*P. oviformis* Bell, 1863 (type)  
*Sabellidromites*<sup>††</sup> Schweitzer & Feldmann, 2008 [imprint  
 2007] (0, 0, 2)  
*S. inflata* (Collins & Karasawa, 1993)  
*S. scarabaea* (Wright & Wright, 1950) (type)  
*Trachynotocarcinus*<sup>††</sup> Wright & Collins, 1972 (0, 0, 2)  
 (= *Trachynotus* Bell, 1863)  
*T. naglei* (Bishop, 1983a)  
*T. sulcatus* (Bell, 1863) (type)  
**Prosopidae**<sup>††</sup> Von Meyer, 1860  
*Laeviprosopon*<sup>††</sup> Glaessner, 1933a (0, 0, 7)  
*L. fraasi* (Moericke, 1889)  
*L. grandicentrum* Schweitzer & Feldmann, 2008b  
*L. icaunensis* (Van Straelen, 1936a)  
*L. laeve* Von Meyer, 1857 (type)  
*L. laculatum* Schweitzer & Feldmann, 2008b  
*L. punctatum* (Von Meyer, 1857)

*L. sublaeve* (Von Meyer, 1857)

*Prosopon*<sup>††</sup> Von Meyer, 1835 (0, 0, 6)

*P. abbreviatum* Schweitzer & Feldmann, 2009a

*P. aculeatum* Von Meyer, 1857

*P. mammillatum* Woodward, 1868c

*P. tuberosum* Von Meyer, 1840a (type)

*P. verrucosum* Reuss, 1858 [imprint 1857]

*P. ? dzhafarberdensis* (Ilyin, 2005)

*Protuberosa*<sup>††</sup> Schweitzer & Feldmann, 2009a (0, 0, 1)

*P. protuberosa* (Wehner, 1988) (type)

**Tanidromitidae**<sup>††</sup> Schweitzer & Feldmann, 2008 [imprint 2007]

*Gabriella*<sup>††</sup> Collins, Ross, Genzano & Mianzan, 2006

(= *Foersteria* Wehner, 1988) (0, 0, 5)

*G. anfracta* Schweitzer & Feldmann, 2009d

*G. biburgensis* (Wehner, 1988) (type)

*G. lugobaensis* (Förster, 1985)

*G. patula* Schweitzer & Feldmann, 2009d

*G. plana* (Van Straelen, 1936a)

*Tanidromites*<sup>††</sup> Schweitzer & Feldmann, 2008 [imprint 2007] (0, 0, 4)

*T. etalloni* (Collins in Collins & Wierzbowski, 1985)

*T. insignis* (Von Meyer, 1857) (type)

*T. richardsoni* (Woodward, 1907)

*T. sculpta* (Quenstedt, 1857) (= *Prosopon lingulata* Von Meyer, 1858)

**Incertae sedis**

*Mesodromilites*<sup>††</sup> Woodward, 1900b (0, 0, 1)

*M. glaber* (Woodward, 1898) (= *M. birleyae* Woodward, 1900b) (type)

*Microcorystes*<sup>††</sup> Fritsch, 1893 (0, 0, 1)

*M. parvulus* Fritsch, 1893 (type)

*Mithracites*<sup>††</sup> Gould, 1859 (0, 0, 1)

*M. vectensis* Gould, 1859 (type)

*Nipponopon*<sup>††</sup> Karasawa, Kato & Terabe, 2006 (0, 0, 1)

*N. hasegawai* Karasawa, Kato & Terabe, 2006 (type)

*Oonoton*<sup>††</sup> Glaessner, 1980 (0, 0, 1)

*O. woodsi* Glaessner, 1980 (type)

“*Oxythyreus*”*O. bjorki* (Bishop & Williams, 2000)*O. izetti* (Bishop, 1988b)*Rugafarius*<sup>††</sup> Bishop, 1985a (0, 0, 1)*R. fredrichi* Bishop, 1985a (type)Superfamily Glaessneropsoidea<sup>††</sup> Patruilius, 1959**Glaessneropsidae**<sup>††</sup> Patruilius, 1959*Ekalakia*<sup>††</sup> Bishop, 1976 (0, 0, 2)*E. exophthalmops* Feldmann, Schweitzer & Wahl, 2008*E. lamberti* Bishop, 1976 (type)*Glaessneropsis*<sup>††</sup> Patruilius, 1959 (0, 0, 4)*G. bucegiana* Patruilius, 1959*G. heraldica* (Moericke, 1889) (type)*G. myrmekia* Schweitzer & Feldmann, 2009a*G. tribulosa* Schweitzer & Feldmann, 2009a*Oxythyreus* [*sensu*] Reuss, 1858 [imprint 1857] (0, 0, 2)*O. gibbus* (Reuss, 1858 [imprint 1857]) (type)*O. schneideri* (Stolley, 1924)*Rathbunopon*<sup>††</sup> Stenzel, 1945 (0, 0, 5)*R. atherfieldensis* Wright, 1997*R. obesum* (Van Straelen, 1944)*R. oblitum* (Carter, 1898)*R. polyakron* Stenzel, 1945 (type)*R. woodsi* Withers, 1951*Vectis*<sup>††</sup> Withers, 1946 (0, 0, 3)*V. caseyi* Wright & Collins, 1972*V. echinorum* Wright & Collins, 1972*V. wrighti* Withers, 1946 (type)*Verrucarcinus*<sup>††</sup> Schweitzer & Feldmann, 2009a (0, 0, 2)*V. ordinatus* (Collins in Collins & Wierzbowski, 1985)*V. torosus* (Von Meyer, 1857) (type)**Lecythocaridae**<sup>††</sup> Schweitzer & Feldmann, 2009a*Lecythocaris*<sup>††</sup> Von Meyer, 1858 (0, 0, 2)*L. obesa* Schweitzer & Feldmann, 2009a*L. paradoxa* (Von Meyer, 1858) (type)**Longodromitidae**<sup>††</sup> Schweitzer & Feldmann, 2009a*Abyssophthalmus*<sup>††</sup> Schweitzer & Feldmann, 2009a  
(0, 0, 5)

- A. hebes* (Von Meyer, 1835)  
*A. mirus* (Moericke, 1889)  
*A. schultzi* Schweitzer & Feldmann, 2009b  
*A. spinosus* (Von Meyer, 1842) (type)  
*A. stotzingensis* (Von Meyer, 1856)  
*Coelopus*<sup>††</sup> Étallon, 1861 (0, 0, 4)  
*C. bigoti* Hée, 1924  
*C. hoheneggeri* (Moericke, 1889)  
*C. jolyi* Étallon, 1861 (type)  
*C. tuberculatus* Lőrenthey in Lőrenthey & Beurlen, 1929  
*Longodromites*<sup>††</sup> Patrulius, 1959 (0, 0, 5)  
*L. angustus* (Reuss, 1858 [imprint 1857]) (type)  
*L. bicornutus* Muțiu & Bădăluță, 1971  
*L. excisus* (Von Meyer, 1857)  
*L. meyeri* (Étallon, 1859)  
*L. ovalis* (Moericke, 1889)  
*Planoprosopon*<sup>††</sup> Schweitzer, Feldmann & Lazăr, 2007 (0, 0, 8)  
*P. aequus* (Von Meyer, 1857)  
*P. cornutus* (Wehner, 1988)  
*P. dumosus* (Wehner, 1988)  
*P. heydeni* (Von Meyer, 1857) (type)  
*P. hystricosus* Schweitzer & Feldmann, 2009b  
*P. major* (Hée, 1924)  
*P. rathamingus* Schweitzer & Feldmann, 2009b  
*P. schweigerti* Schweitzer & Feldmann, 2009d  
**Nodoprosopidae** Schweitzer & Feldmann, 2009a  
*Nodoprosopon*<sup>††</sup> Beurlen, 1928b (0, 0, 1)  
*N. ornatum* (Von Meyer, 1860) (type)
- Superfamily Dromioidea De Haan, 1833
- Family **Dromiidae**<sup>†</sup> De Haan, 1833
- Subfamily Dromiinae De Haan, 1833
- Ameridromia*<sup>††</sup> Blow & Manning, 1996 (0, 0, 1)  
*A. hyneorum* Blow & Manning, 1996 (type)  
*Cryptodromia*<sup>†</sup> Stimpson, 1858a (22, 1, 0)  
*C. fallax*<sup>†</sup> (Lamarck, 1818)  
*Dromia*<sup>†</sup> Weber, 1795 (8, 0, 2)



- D. anomala*<sup>††</sup> Rathbun, 1935a  
*D. neogenica*<sup>††</sup> Müller, 1978  
*Dromidia*<sup>†</sup> Stimpson, 1858a (1, 0, 1)  
*D. bedetteae*<sup>†</sup> Blow & Manning, 1996  
*Dromilites*<sup>††</sup> H. Milne Edwards, 1837 (0, 0, 12)  
*D. alpina* Glaessner, 1929a  
*D. americana* Rathbun, 1935a  
*D. bucklandi* H. Milne Edwards, 1837 [in 1834-1840]  
 (type)  
*D. corvini* (Bittner, 1893)  
*D. fossata* Müller & Collins, 1991  
*D. hilarionis* (Bittner, 1883)  
*D. humerosus* Quayle & Collins, 1981  
*D. lothi* Förster & Mundlos, 1982  
*D. pastoris* Vía, 1959  
*D. pentagonalis* (Beurlen, 1928)  
*D. simplex* Quayle & Collins, 1981  
*D. subglobosa* Müller & Collins, 1991  
*D. vicensis* Barnolas Cortinas, 1973  
*Epigodromia*<sup>†</sup> McLay, 1993 (9, 1, 0)  
*E. areolata*<sup>†</sup> (Ihle, 1913)  
*Kerepesia*<sup>††</sup> Müller, 1976 (0, 0, 1)  
*K. viai* Müller, 1976 (type)  
*Kierionopsis*<sup>††</sup> Davidson, 1966 (0, 0, 1)  
*K. nodosa* Davidson, 1966 (type)  
*Kromtitis*<sup>††</sup> Müller, 1984a (0, 0, 7)  
*K. koberi* (Bachmayer & Tollmann, 1953) (type)  
*K. koberiformis* Beschin, Busulini, De Angeli & Tessier, 2007  
*K. levigatus* Beschin, Busulini, De Angeli & Tessier, 2007  
*K. pentagonalis* Müller & Collins, 1991  
*K. spinulata* Portell & Collins, 2004  
*K. subovatus* Beschin, Busulini, De Angeli & Tessier, 2007  
*K. tetratuberculatus* Beschin et al., 2002  
*Lucanthonisia*<sup>††</sup> Van Bakel et al., 2008 [imprint 2009]  
 (0, 0, 2)

*L. eotvoesi* (Müller, 1976)

*L. praemia* Van Bakel et al., 2008 [imprint 2009] (type)

*Noetlingia*<sup>††</sup> Beurlen, 1928b (0, 0, 3)

*N. claudiopolitana* Bittner, 1893 (type)

*N. succini* (Noetling, 1885a)

*N. veronensis* (Bittner, 1886)

Subfamily Hypoconchinae Guinot & Tavares, 2003

**No fossil members**

Subfamily Sphaerodromiinae Guinot & Tavares, 2003

**No fossil members**

**Dynomenidae**<sup>†</sup> Ortmann, 1892b (subfamilies not recognized for fossils at this time)

*Acanthodiaulax*<sup>††</sup> Schweitzer, Feldmann et al., 2003  
(0, 0, 1)

*A. mcclayi* Schweitzer, Feldmann et al., 2003 (type)

*Basinotopus*<sup>††</sup> McCoy, 1849 (0, 0, 2)

*B. lamarckii* (Desmarest, 1822) (type)

*B. tricornis* Collins & Jakobsen, 2003

*Cyamocarcinus*<sup>††</sup> Bittner, 1883 (0, 0, 1)

*C. angustifrons* Bittner, 1883 (type) (= *C. budensis* Oppenheim, 1899)

*Dromiopsis*<sup>††</sup> Reuss, 1858 [imprint 1857] (0, 0, 13)

*D. americana* Roberts, 1956

*D. depressa* Segerberg, 1900

*D. elegans* Reuss, 1858 [imprint 1857]

*D. gigas* Forir, 1887

*D. granulata* Collins & Rasmussen, 1992

*D. kimberlyae* Bishop, 1987

*D. laevior* Reuss, 1859

*D. mosae* Collins et al., 1995

*D. paucigranosa* Beschin, Busulini, De Angeli & Tessier, 2007

*D. praelaevior* Collins et al., 1995

*D. pulchella* Secretan, 1964

*D. rugosus* (Schlotheim, 1820) (type)

*D. ubaghsi* Forir, 1889

*Dynomene*<sup>†</sup> Desmarest, 1822 (5, 2, 5)

*D. acutispinis*<sup>††</sup> (Rathbun, 1945)

- D. emiliae*<sup>††</sup> Müller, 1978  
*D. hispida*<sup>†</sup> Guérin-Méneville, 1832  
*D. lessinea*<sup>††</sup> Beschin et al., 2001  
*D. praedator*<sup>†</sup> A. Milne-Edwards, 1878a  
*D. shinobui*<sup>††</sup> Karasawa, 1993  
*D. variabilis*<sup>††</sup> Portell & Collins, 2004  
*Dynomenopsis*<sup>††</sup> Secretan, 1972 (0, 0, 1)  
*D. branisai* Secretan, 1972 (type)  
*Eotrachynotocarcinus*<sup>††</sup> Beschin, Busulini, De Angeli & Tessier, 2007 (0, 0, 1)  
*E. airaghii* Beschin et al., 2007 (type)  
*Gemellarocarcinus*<sup>††</sup> Checchia-Rispoli, 1905 (0, 0, 1)  
*G. loerentheyi* Checchia-Rispoli, 1905 (type)  
*Graptocarcinus*<sup>††</sup> Roemer, 1887 (0, 0, 4)  
*G. bellonii* Collins & Dieni, 1995  
*G. maastrichtensis* Fraaye, 1996a  
*G. muii* Stenzel, 1944a  
*G. texanus* Roemer, 1887 (type) (= *Cyphonotus integri-marginatus* Wright & Wright, 1950)  
*Maurimia*<sup>††</sup> Martins-Neto, 2001 (0, 0, 1)  
*M. sergipensis* (Beurlen, 1965) (type)  
*Ovamene*<sup>††</sup> Müller & Collins, 1991 (0, 0, 1)  
*O. franciae* Müller & Collins, 1991 (type)  
*Stephanometopon*<sup>††</sup> Bosquet, 1854 (0, 0, 1)  
*S. granulatum* Bosquet, 1854 (type)  
*Trechmannius*<sup>††</sup> Collins & Donovan, 2006 (0, 0, 1)  
*T. circularis* Collins & Donovan, 2006 (type)  
*Xandaros*<sup>††</sup> Bishop, 1988c (0, 0, 1)  
*X. sternbergi* (Rathbun, 1926b) (type)
- Diaulacidae**<sup>††</sup> Wright & Collins, 1972  
*Diaulax*<sup>††</sup> Bell, 1863 (0, 0, 7)  
*D. carteriana* Bell, 1863 (type)  
*D. oweni* (Bell, 1850)  
*D. italica* Beschin, Busulini, De Angeli & Tessier, 2007  
*D. feliceps* Wright & Collins, 1972  
*D. millerae* Bishop, 1992a  
*D. roddai* Bishop, 1983a  
*D. yokoi* Collins et al., 1993

Superfamily Etyoidea<sup>††</sup> Guinot & Tavares, 2001**Etyidae**<sup>††</sup> Guinot & Tavares, 2001

*Caloxanthus*<sup>††</sup> A. Milne-Edwards, 1864 (= *Carpiliopsis*<sup>††</sup> Fischer-Benzon, 1866; *Creticarcinus*<sup>††</sup> Withers, 1928) (0, 0, 6)

*C. americanus* Rathbun, 1935a

*C. kuypersi* Fraaye, 1996a

*C. formosus* A. Milne-Edwards, 1864 (type)

*C. ornata* (Fischer-Benzon, 1866)

*C. purleyensis* (Withers, 1928)

*C. simplex* (Secretan, 1964)

*Etyus*<sup>††</sup> Leach in Mantell, 1822 (0, 0, 1) (= *Reussia* McCoy, 1854)

*E. martini* Mantell, 1844 (type)

*Etyxanthosia*<sup>††</sup> Fraaije, Van Bakel, Jagt & Artal, 2008 (0, 0, 4)

*E. aspera* (Rathbun, 1935a)

*E. fossa* (Wright & Collins, 1972) (type)

*E. pawpawensis* (Schweitzer, Salva & Feldmann, 1999)

*E. reidi* (Schweitzer, Salva & Feldmann, 1999)

*Feldmannia*<sup>††</sup> Guinot & Tavares, 2001 (0, 0, 2)

*F. jacksoni* (Wright & Collins, 1972)

*F. wintoni* (Rathbun, 1935a) (type)

*Guinotosia*<sup>††</sup> Beshin, Busulini, De Angeli & Tessier, 2007 (0, 0, 1)

*G. tertiaria* Beshin et al., 2007 (type)

*Sharnia*<sup>††</sup> Collins & Seward, 2006 (0, 0, 1)

*S. burnhamensis* Collins & Seward, 2006 (type)

*Xanthosia*<sup>††</sup> Bell, 1863 (0, 0, 5)

*X. buchii* (Reuss, 1845)

*X. gibbosa* Bell, 1863 (type)

*X. granulosa* (McCoy, 1854)

*X. sakoi* Karasawa, Ohara & Kato, 2008

*X. similis* (Bell, 1863)

## Superfamily Homoloidea De Haan, 1839

Family **Gastrodoridae**<sup>††</sup> Van Bakel et al., 2008

*Gastrodorus*<sup>††</sup> Von Meyer, 1864 (0, 0, 2) (= *Eogastrodorus* Van Bakel et al., 2008)

*G. granulatus* Förster, 1985

*G. neuhausense* Von Meyer, 1864 (type)

Family **Homolidae**<sup>†</sup> De Haan, 1839

*Dagnaudus*<sup>†</sup> Guinot & Richer de Forges, 1995 (1, 0, 1)

*D. pritchardi*<sup>††</sup> (Jenkins, 1977)

*Doerflesia*<sup>††</sup> Feldmann & Schweitzer, 2009 (0, 0, 1)

*D. ornata* Feldmann & Schweitzer, 2009 (type)

*Homola*<sup>†</sup> Leach, 1816 [imprint 1815] (11, 0, 2)

*H. bajaensis*<sup>††</sup> Schweitzer, Feldmann, Gonzáles-Barba  
& Čosović, 2006

*H. vancouverensis*<sup>††</sup> Schweitzer, 2001

*Homoliformis*<sup>††</sup> Collins, Schulz & Jakobsen, 2005  
(0, 0, 1)

*H. vagus* Collins et al., 2005 (type)

*Homolopsis*<sup>††</sup> Bell, 1863 (0, 0, 10)

*H. chilensis* Förster & Stinnesbeck, 1987

*H. depressa* Carter, 1898

*H. edwardsii* Bell, 1863 (type)

*H. gibbosa* (Schlüter, 1879)

*H. glabra* Wright & Collins, 1972

*H. hachiyai* Takeda & Fujiyama, 1983

*H. spinosa* Van Straelen, 1936a

*H. spinulosa* Glaessner, 1980

*H. tuberculata* Van Straelen, 1936a

*H. williamsi* Bishop, 1992b

*Hoplitocarcinus*<sup>††</sup> Beurlen, 1928b (0, 0, 1)

*H. johannesboehmi* Beurlen, 1928b (type)

*Latheticocarcinus*<sup>††</sup> Bishop, 1988b (0, 0, 15)

*L. adelphinus* (Collins & Rasmussen, 1992)

*L. affinus* (Jakobsen & Collins, 1997)

*L. atlanticus* (Roberts, 1962)

*L. brevis* (Collins, Kanie & Karasawa, 1993)

*L. brightoni* (Wright & Collins, 1972)

*L. centurialis* (Bishop, 1992b)

*L. declinatus* (Collins, Fraaye & Jagt, 1995)

*L. dispar* (Roberts, 1962)

*L. ludvigseni* Schweitzer, Nyborg, Feldmann & Ross,  
2004

- L. pikeae* (Bishop & Brannen, 1992)  
*L. punctatus* (Rathbun, 1917a)  
*L. schlueteri* (Beurlen, 1928b)  
*L. shapiro* Bishop, 1988b (type)  
*L. spinigus* (Jakobsen & Collins, 1997)  
*L. transiens* (Segerberg, 1900)  
*Lignihomola*<sup>††</sup> Collins, 1997 (0, 0, 1)  
*L. etheridgei* (Woodward, 1892) (type)  
*Londinimola*<sup>††</sup> Collins & Saward, 2006 (0, 0, 1)  
*L. williamsi* Collins & Saward, 2006 (type)  
*Paramola*<sup>†</sup> Wood-Mason in Wood-Mason & Alcock, 1891  
 (6, 0, 1)  
*P. vetula*<sup>††</sup> Crawford, 2008  
*Paramolopsis*<sup>†</sup> Wood-Mason in Wood-Mason & Alcock,  
 1891 (1, 0, 1)  
*P. piersoni*<sup>††</sup> Schweitzer, Nyborg, Feldmann & Ross,  
 2004  
*Prohomola*<sup>††</sup> Karasawa, 1992a (0, 0, 2)  
*P. japonica* (Yokoyama, 1911) (type)  
*P. katunai* Blow & Manning, 1996  
*Zyagstocarcinus*<sup>††</sup> Bishop, 1983b (0, 0, 4)  
*Z. cardsmithi* Bishop, 1986b  
*Z. griesi* Bishop, 1983b (type)  
*Z. mendryki* (Bishop, 1982)  
*Z. waagei* Feldmann, Schweitzer & Green, 2008  
**Latreilliidae** Stimpson, 1858a  
 Questionably *Heeia*<sup>††</sup> Wright & Collins, 1972 (0, 0, 1)  
*H. villersensis* (Hée, 1924) (= *Calappa cranium* Wright  
 & Wright, 1945) (type)  
**Poupiniidae**<sup>†</sup> Guinot, 1991  
*Rhinopoupinia*<sup>††</sup> Feldmann, Tshudy & Thomson, 1993  
 (0, 0, 1)  
*R. bicornis* Feldmann et al., 1993 (type)  
**Tithonohomolidae**<sup>††</sup> Feldmann & Schweitzer, 2009  
*Tenuihomola*<sup>††</sup> Feldmann & Schweitzer, 2009 (0, 0, 2)  
*T. longa* (Moericke, 1889) (type)  
*T. ortwini* Feldmann & Schweitzer, 2009  
*Tithonohomola*<sup>††</sup> Glaessner, 1933a (0, 0, 2)

*T. armata* (Blaschke, 1911) (type)

*T. tuberculata* Feldmann & Schweitzer, 2009

Section Eubrachyura de Saint Laurent, 1980

Family **Marocarcinidae**<sup>††</sup> Guinot, De Angeli & Garassino, 2008

*Marocarcinus*<sup>††</sup> Guinot, De Angeli & Garassino, 2008  
(0, 0, 1)

*M. pasinii* Guinot, De Angeli & Garassino, 2008 (type)

Subsection Raninoida De Haan, 1839

Superfamily Raninoidea De Haan, 1839

Family **Camarocarcinidae**<sup>††</sup> Feldmann, Li & Schweitzer, 2007

*Camarocarcinus*<sup>††</sup> Holland & Cvancara, 1958 (0, 0, 3)

*C. arnesoni* Holland & Cvancara, 1958 (type)

*C. obtusus* Jakobsen & Collins, 1979

*C. quinquetuberculatus* Collins & Rasmussen, 1992

*Cretacocarcinus*<sup>††</sup> Feldmann, Li & Schweitzer, 2007  
(0, 0, 1)

*C. smithi* Feldmann et al., 2007 (type)

Family **Cenomanocarcinidae** Guinot, Vega & Van Bakel, 2008

*Campylostoma*<sup>††</sup> Bell, 1858 (0, 0, 1)

*C. matutiforme* Bell, 1858 (type)

*Cenomanocarcinus*<sup>††</sup> Van Straelen, 1936a (0, 0, 9) (= *Sagittiformosus*<sup>††</sup> Bishop, 1988b)\*\*

*C. armatus* (Rathbun, 1935a)

*C. beardi* Schweitzer, Feldmann et al., 2003

*C. hierosolymitanus* Avnimelech, 1961

*C. inflatus* Van Straelen, 1936a (type)

*C. multituberculatus* (Joleaud & Hsu, 1935)

*C. oklahomensis* (Rathbun, 1935a)

*C. renfroae* (Stenzel, 1945)

*C. vanstraeleni* Stenzel, 1945

*C. siouxensis* Feldmann et al., 1976

Family **Raninidae**<sup>†</sup> De Haan, 1839

Subfamily uncertain

*Araripecarcinus*<sup>††</sup> Martins-Neto, 1987 (0, 0, 1): This is a raninid sternum (see Karasawa, Schweitzer & Feldmann, 2008)

- A. ferreirai* Martins-Neto, 1987 (type)
- Subfamily Cyrtorhininae<sup>†</sup> Guinot, 1993
- Cyrtorhina*<sup>†</sup> Monod, 1956 (2, 0, 4)
- C. fusseli*<sup>††</sup> Blow & Manning, 1996
- C. globosa*<sup>††</sup> Beschin, Busulini, De Angeli & Tessier, 1988
- C. oblonga*<sup>††</sup> Beschin, Busulini, De Angeli & Tessier, 1988
- C. ripacurtae*<sup>††</sup> Artal & Castillo, 2005a
- Subfamily Lyreidinae<sup>†</sup> Guinot, 1993
- Hemioon*<sup>††</sup> Bell, 1863 (0, 0, 7)
- H. bidentata* (Rathbun, 1935a)
- H. circumviator* Wright & Collins, 1972
- H. cunningtoni* Bell, 1863 (type)
- H. elongatum* (A. Milne-Edwards, 1862b)
- H. eysunesensis* Collins & Rasmussen, 1992
- H. novozelandicum* Glaessner, 1980
- H. yanini* Ilyin & Alekseev, 1998
- Lyreidina*<sup>††</sup> Fraaye & Van Bakel, 1998 (0, 0, 1)
- L. pyriformis* Fraaye & Van Bakel, 1998 (type)
- Lyreidus*<sup>†</sup> De Haan, 1841 (= *Lysirude* Goeke, 1985) (6, 0, 10)
- L. antarcticus*<sup>††</sup> Feldmann & Zinsmeister, 1984b
- L. bennetti*<sup>††</sup> Feldmann & Maxwell, 1990
- L. elegans*<sup>††</sup> Glaessner, 1960
- L. fastigatus*<sup>††</sup> Rathbun, 1919 (only pereopod)
- L. hookeri*<sup>††</sup> Feldmann, 1992
- L. hungaricus*<sup>††</sup> Beurlen, 1939
- L. lebuensis*<sup>††</sup> Feldmann, 1992
- L. paronae*<sup>††</sup> Crema, 1895
- L. teshimai*<sup>††</sup> (Fujiyama & Takeda, 1980)
- L. waitakiensis*<sup>††</sup> Glaessner, 1980
- Rogueus*<sup>††</sup> Berglund & Feldmann, 1989 (0, 0, 2)
- R. orri* Berglund & Feldmann, 1989 (type)
- R. robustus* Collins & Jakobsen, 1995
- Macroacaena*<sup>††</sup> Tucker, 1998 (= *Carinaranina* Tucker, 1998) (0, 0, 12)
- M. alseana* (Rathbun, 1932a)



- M. bispinulata* (Collins & Rasmussen, 1992)  
*M. chica* Schweitzer, Feldmann et al., 2003  
*M. franconia* Schweigert et al., 2004  
*M. fudoujii* (Karasawa, 2000a)  
*M. leucosiae* (Rathbun, 1932a)  
*M. marionae* (Tucker, 1998)  
*M. naseiensis* (Rathbun, 1926b)  
*M. rosenkrantzi* (Collins & Rasmussen, 1992)  
*M. schencki* (Rathbun, 1932a)  
*M. succedana* (Collins & Rasmussen, 1992) type  
*M. willapensis* (Rathbun, 1926b)  
*Tribolocephalus*<sup>††</sup> Ristori, 1886 (0, 0, 1)  
*T. laevis* Ristori, 1886 (type)
- Subfamily Notopodinae<sup>†</sup> Serène & Umali, 1972
- Erroranilia*<sup>††</sup> Boyko, 2004 (0, 0, 1)  
*E. taipeiensis* (Hu & Tao, 1996) (type)  
*Eumorphocorystes*<sup>††</sup> Van Binkhorst, 1857 (= *Pseudorainella* Lőrenthey in Lőrenthey & Beurlen, 1929)  
 (0, 0, 4)  
*E. muelleri* (Van Binkhorst, 1857)  
*E. sculptus* Van Binkhorst, 1857 (type)  
*E. toehoepae* (Van Straelen, 1924 [imprint 1923])  
*E. vahldieki* (Förster & Mundlos, 1982)
- Lianira*<sup>††</sup> Beschin, Busulini, De Angeli, Tessier & Ungaro, 1991 (0, 0, 3)  
*L. beschini* Beschin et al., 1991 (type)  
*L. convexa* Beschin et al., 1991  
*L. isidoroi* Beschin, De Angeli & Checchi, 2007
- Lovarina*<sup>††</sup> Beschin, Busulini, De Angeli, Tessier & Ungaro, 1991 (0, 0, 1)  
*L. cristata* Beschin et al., 1991 (type)
- Notopus*<sup>†</sup> De Haan, 1841 (0, 1, 2)  
*N. beyrichi*<sup>††</sup> Bittner, 1875  
*N. dorsipes*<sup>†</sup> (Linnaeus, 1758) [*Dorippe dorsipes* [sensu] Glaessner, 1929b]  
*N. minutus*<sup>††</sup> Vega, Cosma et al., 2001
- Ponotus*<sup>††</sup> Karasawa & Ohara, 2009 (0, 0, 1)  
*P. shirahamensis* Karasawa & Ohara, 2009 (type)

- Ranidina*<sup>††</sup> Bittner, 1893 (0, 0, 1)  
*R. rosaliae* Bittner, 1893 (type)
- Raniliformis*<sup>††</sup> Jagt, Collins & Fraaye, 1993 (0, 0, 7)  
*R. baltica* (Segeberg, 1900) (type)  
*R. chevrona* Fraaye & Van Bakel, 1998  
*R. eoacaenica* (Beschinn, Busulini, De Angeli & Tessier, 1988)  
*R. occlusa* Collins, Fraaye & Jagt, 1995  
*R. ornata* Beschinn, De Angeli & Checchi, 2007  
*R. prebaltica* Fraaye & Van Bakel, 1998  
*R. rugosa* Beschinn, De Angeli & Checchi, 2007
- Ranilia*<sup>†</sup> H. Milne Edwards, 1837 [in 1834-1840] (= *Notopella* Lőrenthey in Lőrenthey & Beurlen, 1929; = *Raninops* A. Milne-Edwards, 1880a) (6, 1, 2)  
*R. constricta*<sup>†</sup> (A. Milne-Edwards, 1880a)  
*R. punctulata*<sup>††</sup> Beschinn, Busulini, De Angeli & Tessier, 1988  
*R. vareolata*<sup>††</sup> (Lőrenthey in Lőrenthey & Beurlen, 1929)
- Umalia*<sup>†</sup> Guinot, 1993 (6, 1, 1)  
*U. guinotae*<sup>††</sup> De Angeli & Beschinn, 2007  
*U. misakiensis*<sup>†</sup> (Sakai, 1937)
- Subfamily Ranininae<sup>†</sup> De Haan, 1839
- Lophoranina*<sup>††</sup> Fabiani, 1910 (0, 0, 24)  
*L. aculeata* (A. Milne-Edwards, 1881b)  
*L. aldrovandii* (Ranzani, 1820)  
*L. bakerti* (A. Milne-Edwards, 1872)  
*L. barroisi* (Brocchi, 1877)  
*L. bishopi* Squires & Demetrio, 1992  
*L. bittneri* (Lőrenthey, 1902)  
*L. cristaspina* Vega, Cosma et al., 2001  
*L. georgiana* (Rathbun, 1935a)  
*L. kemmelingi* Van Straelen, 1924 [imprint 1923]  
*L. laevifrons* (Bittner, 1875)  
*L. levantina* Lewy, 1977  
*L. marestiana* (Kőnig, 1825) (type)  
*L. maxima* Beschinn et al., 2004  
*L. persica* Withers, 1932b

- L. porifera* (Woodward, 1866c)  
*L. precocious* Feldmann et al., 1996  
*L. quinquespinosa* (Rathbun, 1945)  
*L. raynorae* Blow & Manning, 1996  
*L. reussi* (Woodward, 1866c)  
*L. rossi* Blow & Manning, 1996  
*L. soembaensis* Van Straelen, 1938  
*L. straeleni* Vía, 1959  
*L. tchihatcheffi* (A. Milne-Edwards, 1866)  
*L. toyosimai* Yabe & Sugiyama, 1935  
*Ranina*<sup>†</sup> Lamarck, 1801 (0, 1, 17)  
*R. americana*<sup>††</sup> Withers, 1924b  
*R. berglundi*<sup>††</sup> Squires & Demettrion, 1992  
*R. bouilleana*<sup>††</sup> A. Milne-Edwards, 1872  
*R. brevispina*<sup>††</sup> Lörenthey, 1898b  
*R. burleighensis*<sup>††</sup> Holland & Cvancara, 1958  
*R. cuspidata*<sup>††</sup> Guppy, 1909  
*R. elegans*<sup>††</sup> Rathbun, 1945  
*R. granulosa*<sup>††</sup> A. Milne-Edwards, 1872  
*R. haszlinskyi*<sup>††</sup> Reuss, 1859  
*R. hirsuta*<sup>††</sup> Schafhäütl, 1863  
*R. lamiensis*<sup>††</sup> Rathbun, 1945  
*R. molengraaffi*<sup>††</sup> Van Straelen, 1924 [imprint 1923]  
*R. oblonga*<sup>††</sup> Münster, 1840  
*R. palmea*<sup>††</sup> E. Sismonda, 1846  
*R. propinqua*<sup>††</sup> Ristori, 1891  
*R. ranina*<sup>†</sup> (Linnaeus, 1758) (type)  
*R. speciosa*<sup>††</sup> (Münster, 1840)  
*R. tejoniana*<sup>††</sup> Rathbun, 1926b  
*Raninella*<sup>††</sup> A. Milne-Edwards, 1862b (0, 0, 15)  
*R. armata* Rathbun, 1935a  
*R. atava* Carter, 1898  
*R. carlilensis* Feldmann & Maxey, 1980  
*R. eocenica* Rathbun, 1935a  
*R. griesbachi* (Noetling, 1897)  
*R. libyca* Van Straelen, 1935 [imprint 1934]  
*R. manningi* Bishop & Williams, 2000  
*R. mucronata* Rathbun, 1935a

- R. oaheensis* Bishop, 1978  
*R. quadrispinosus* (Collins, Fraaye & Jagt, 1995)  
*R. starkvillensis* Rathbun, 1935a  
*R. testacea* Rathbun, 1926a  
*R. trechmanni* Withers, 1927  
*R. tridens* Roberts, 1962  
*R. trigeri* A. Milne-Edwards, 1862b (type)

Subfamily Raninoidinae Lörenthey in Lörenthey & Beurlen, 1929

- Bicornisranina*<sup>††</sup> Nyborg & Fam, 2008 (0, 0, 1)  
*B. bocki* Nyborg & Fam, 2008 (type)  
*Cenocorystes*<sup>††</sup> Collins & Breton, 2009 (0, 0, 1)  
*C. fournieri* Collins & Breton, 2009 (type)  
*Cristafrons*<sup>††</sup> Feldmann, Tshudy & Thomson, 1993  
 (0, 0, 1)  
*C. praescientis* Feldmann et al., 1993 (type)  
*Notopoides*<sup>†</sup> Henderson, 1888 (1, 0, 3)  
*N. exiguus*<sup>††</sup> Beschin, Busulini, De Angeli & Tessier, 1988  
*N. pflugervillensis*<sup>††</sup> Beikirch & Feldmann, 1980  
*N. verbeeki*<sup>††</sup> Böhm, 1922  
*Notosceles*<sup>†</sup> Bourne, 1922 (4, 1, 0)  
*N. serratifrons*<sup>†</sup> (Henderson, 1893)  
*Quasilaeviranina*<sup>††</sup> Tucker, 1998 (0, 0, 6)  
*Q. arzigananensis* (Beschin, Busulini, De Angeli & Tessier, 1988)  
*Q. keyesi* (Feldmann & Maxwell, 1990)  
*Q. ombonii* (Fabiani, 1910)  
*Q. ovalis* (Rathbun, 1935a)  
*Q. pororariensis* (Glaessner, 1980)  
*Q. simplicissima* (Bittner, 1883)  
*Raninoides*<sup>†</sup> H. Milne Edwards, 1837 [in 1834-1840]  
 (= *Laeviranina* Lörenthey in Lörenthey & Beurlen, 1929; = *Pseudorogueus*<sup>††</sup> Fraaye, 1995; = *Raninellopsis* Böhm, 1922) (9, 2, 32)  
*R. acanthocolus*<sup>††</sup> Schweitzer, Feldmann, Gonzáles-Barba & Čosović, 2006  
*R. araucana*<sup>††</sup> (Philippi, 1887)

- R. asper*<sup>††</sup> Rathbun, 1926b  
*R. barnardi*<sup>†</sup> Sakai, 1974  
*R. benedicti*<sup>†</sup> Rathbun, 1935b  
*R. borealis*<sup>††</sup> (Collins & Rasmussen, 1992)  
*R. budapestiniensis*<sup>††</sup> (Lőrenthey, 1897)  
*R. dickersoni*<sup>††</sup> Rathbun, 1926b  
*R. eugenensis*<sup>††</sup> Rathbun, 1926b  
*R. fabianii*<sup>††</sup> (Lőrenthey in Lőrenthey & Beurlen, 1929)  
*R. fulgidus*<sup>††</sup> Rathbun, 1926b  
*R. fulungensis*<sup>††</sup> Hu & Tao, 1999  
*R. glabra*<sup>††</sup> (Woodward, 1871)  
*R. goedertorum*<sup>††</sup> (Tucker, 1998)  
*R. gottschei*<sup>††</sup> Böhm, 1927  
*R. hollandica*<sup>††</sup> (Collins et al., 1997)  
*R. javanus*<sup>††</sup> (Böhm, 1922)  
*R. madurensis*<sup>††</sup> Beets, 1950  
*R. mexicanus*<sup>††</sup> Rathbun, 1930b  
*R. morrisoni*<sup>††</sup> Collins et al., 2003  
*R. nodai*<sup>††</sup> Karasawa, 1992a  
*R. notopoides*<sup>††</sup> (Bittner, 1883)  
*R. oregonensis*<sup>††</sup> Rathbun, 1926b  
*R. perarmata*<sup>††</sup> (Glaessner, 1960)  
*R. proracanthus*<sup>††</sup> Schweitzer, Feldmann, Gonzáles-Barba & Čosović, 2006  
*R. pulchra*<sup>††</sup> (Beschinn, Busulini, De Angeli & Tessier, 1988)  
*R. rangiferus*<sup>††</sup> (Fraaye, 1995)  
*R. rathbunae*<sup>††</sup> Van Straelen, 1933b  
*R. sinuosus*<sup>††</sup> (Collins & Morris, 1978)  
*R. slaki*<sup>††</sup> Squires, 2001  
*R. treldeanaesensis*<sup>††</sup> Collins & Jakobsen, 2003  
*R. vaderensis*<sup>††</sup> Rathbun, 1926b (= *Laeviranina lewisana* Rathbun, 1926b)  
*R. washburnei*<sup>††</sup> Rathbun, 1926b  
Subfamily Palaeocorystinae Lőrenthey in Lőrenthey & Beurlen, 1929  
*Cretacorantina*<sup>††</sup> Mertin, 1941 (0, 0, 7)  
*C. dichrous* (Stenzel, 1945)

- C. laevis* (Schlüter in Schlüter & Von der Marck, 1868)  
*C. ornatus* Wright & Collins, 1972  
*C. punctata* (Rathbun, 1935a)  
*C. paututensis* Collins & Rasmussen, 1992  
*C. schloenbachi* (Schlüter, 1879) (type)  
*C. syriacus* Withers, 1928  
*Eucorystes*<sup>††</sup> Bell, 1863 (0, 0, 8)  
*E. broderipi* (Mantell, 1844)  
*E. carteri* McCoy, 1854 (type)  
*E. eichhorni* Bishop, 1983b  
*E. harveyi* (Woodward, 1896)  
*E. intermedius* Nagao, 1931  
*E. mangyshlakensis* Ilyin & Pistshikova in Ilyin, 2005  
*E. platys* Schweitzer & Feldmann, 2001a  
*E. oxtedensis* Wright & Collins, 1972  
*Heus*<sup>††</sup> Bishop & Williams, 2000 (0, 0, 1)  
*H. foersteri* Bishop & Williams, 2000 (type)  
*Notopocorystes*<sup>††</sup> McCoy, 1849 (0, 0, 14)  
*N. australis* Secretan, 1964  
*N. beyrichi* Bittner, 1875  
*N. bituberculatus* Secretan, 1964  
*N. callianassarum* (Fritsch & Kafka, 1887)  
*N. denisae* Secretan, 1964  
*N. exiguus* Glaessner, 1980  
*N. fritschi* Glaessner, 1929b  
*N. japonicus* (Jimbô, 1894)  
*N. normani* (Bell, 1863)  
*N. punctatus* Rathbun, 1935a  
*N. parvus* Rathbun, 1935a  
*N. ripleyensis* Rathbun, 1935a  
*N. stokesii* (Mantell, 1844) (type)  
*N. xizangensis* Wang, 1981  
Subfamily indeterminate  
*Sabahrana*<sup>††</sup> Collins et al., 2003 (0, 0, 1)  
*S. trushidupensis* Collins et al., 2003 (type)  
“*Symmista*” *bidentata*<sup>††</sup> Rathbun, 1935a  
**Symethidae**<sup>†</sup> Goeke, 1981  
*Symethis*<sup>†</sup> Weber, 1795 (3, 0, 1)

- S. johnsoni*<sup>††</sup> Rathbun, 1935a
- Superfamily Cyclodorippoidea Ortmann, 1892b
- Family **Cyclodorippidae**<sup>†</sup> Ortmann, 1892b
- Subfamily Cyclodorippinae Ortmann, 1892b
- Tymolus*<sup>†</sup> Stimpson, 1858b (9, 0, 4)
- T. alaskensis*<sup>††</sup> Conkle et al., 2006
- T. ingens*<sup>††</sup> Takeda & Tomida, 1984
- T. itoigawai*<sup>††</sup> Takeda & Tomida, 1984
- T. kamadaï*<sup>††</sup> Imaizumi, 1952b
- Subfamily Xeinostomatinae Tavares, 1992
- Xeinostoma*<sup>†</sup> Stebbing, 1920 (4, 0, 1?)
- X. ? antiqua*<sup>††</sup> Schweitzer, 2001
- Cymonomidae**<sup>†</sup> Bouvier, 1897
- Cymonomus*<sup>†</sup> A. Milne-Edwards, 1880a (24, 0, 1)
- C. primitivus*<sup>††</sup> Müller & Collins, 1991
- Phyllotymolinidae** Tavares, 1998
- No fossil representatives
- Torynommatidae**<sup>††</sup> Glaessner, 1980
- Binkhorstia*<sup>††</sup> Noetling, 1881 (0, 0, 2)
- B. euglypha* Collins et al., 1995
- B. ubaghssii* (Van Binkhorst, 1857) (type)
- Dioratiopus*<sup>††</sup> Woods, 1953 (0, 0, 12) (= *Glaessnerella* Wright & Collins, 1975; *Glaessneria* Wright & Collins, 1972)
- D. angusta* (Wright & Collins, 1972)
- D. balli* (Wright & Collins, 1972)
- D. dawsonensis* (Bishop, 1973)
- D. decipiens* (Wright & Collins, 1972)
- D. depressa* (Carter, 1898)
- D. hearttailensis* Bishop, 1985a
- D. kennedyi* (Wright & Collins, 1972)
- D. latteri* (Wright & Collins, 1972)
- D. primitivus* Fraaye & Collins, 1996
- D. salebrosus* Woods, 1953 (type)
- D. scotti* Bishop, 1983a
- D. spinosa* (Van Straelen, 1936a)
- Torynomma*<sup>††</sup> Woods, 1953 (0, 0, 6)
- T. australis* Feldmann, Tshudy & Thomson, 1993

- T. densus* Bishop, 1983a  
*T. dentatum* Glaessner, 1980  
*T. flemingi* Glaessner, 1980  
*T. planata* Feldmann, 1993  
*T. quadrata* Woods, 1953 (type)  
*Withersella*<sup>††</sup> Wright & Collins, 1972 (0, 0, 1)  
*W. crepitans* Wright & Collins, 1972 (type)
- Subsection Heterotremata Guinot, 1977
- Superfamily Componocancroidea<sup>††</sup> Feldmann, Schweitzer & Green, 2008
- Family **Componocancridae**<sup>††</sup> Feldmann et al., 2008
- Componocancer*<sup>††</sup> Feldmann et al., 2008 (0, 0, 1)  
*C. roberti* Feldmann et al., 2008 (type)
- Superfamily Dorippoidea MacLeay, 1838
- Family **Dorippidae**<sup>†</sup> MacLeay, 1838
- Archaeocypoda*<sup>††</sup> Secretan, 1975 (0, 0, 1)  
*A. veronensis* Secretan, 1975 (type)  
*Bartethusa*<sup>††</sup> Quayle & Collins, 1981 (0, 0, 1)  
*B. hepatica* Quayle & Collins, 1981 (type)  
*Dorippe*<sup>†</sup> Weber, 1795 (7, 0, 3)  
*D. frankhauseri*<sup>††</sup> Studer, 1898  
*D. margaretha*<sup>††</sup> Lörenthey in Lörenthey & Beurlen, 1929  
*D. ornatissima*<sup>††</sup> Müller, 2006  
*Eodorippe*<sup>††</sup> Glaessner, 1980 (0, 0, 1)  
*E. spedeni* Glaessner, 1980 (type)  
*Heikeopsis*<sup>†</sup> Ng, Guinot & Davie, 2008 (2, 0, 1) (replacement name for *Heikea* Holthuis & Manning, 1990)  
*H. tuberculata*<sup>††</sup> (Morris & Collins, 1991)  
*Hillius*<sup>††</sup> Bishop, 1983a (0, 0, 1)  
*H. youngi* Bishop, 1983a (type)  
*Medorippe*<sup>†</sup> Manning & Holthuis, 1981 (0, 1, 2)  
*M. ampla*<sup>††</sup> Garassino et al., 2004  
*M. lanata*<sup>†</sup> (Linnaeus, 1767)  
*M. tanabei*<sup>††</sup> Karasawa, 2000b  
*Neodorippe*<sup>†</sup> Serène & Romimohtarto, 1969 (2, 0, 1?)  
*N. ? carpathica*<sup>††</sup> (Förster, 1979)  
*Nobilum*<sup>†</sup> Serène & Rohmimohtarto, 1969 (1, 0, 1)



*N. wenchii*<sup>††</sup> Hu & Tao, 1996

*Paradorippe*<sup>†</sup> Serène & Romimohtarto, 1969 (3, 1, 0)

*P. granulata*<sup>†</sup> (De Haan, 1839)

*Sodakus*<sup>††</sup> Bishop, 1978 (0, 0, 2)

*S. mexicanus* Vega, Feldmann & Villalobos-Hiriart, 1995

*S. tatankayotankaensis* Bishop, 1978 (type)

*Telamonocarcinus*<sup>††</sup> Larghi, 2004 (0, 0, 2)

*T. binodosus* (Collins, Kanie & Karasawa, 1993)

*T. gambalatus* Larghi, 2004 (type)

*Tepexicarcinus*<sup>††</sup> Feldmann, Vega, Applegate & Bishop, 1998 (0, 0, 1)

*T. tlayuaensis* Feldmann et al., 1998 (type)

*Titanodorippe*<sup>††</sup> Blow & Manning, 1996 (0, 0, 1)

*T. eocenica* Blow & Manning, 1996 (type)

#### **Ethusidae**<sup>†</sup> Guinot, 1977

*Ethusa*<sup>†</sup> Roux, 1830 (42, 1, 5)

*E. berica*<sup>††</sup> De Angeli & Beschin, 2008

*E. chibai*<sup>††</sup> Karasawa, 1993

*E. evae*<sup>††</sup> Müller & Collins, 1991

*E. mascarone*<sup>†</sup> (Herbst, 1785)

*E. octospinosa*<sup>††</sup> Müller, 2006

#### **Orithyiidae** Dana, 1852a

No fossil representatives

#### **Necrocarcinidae**<sup>††</sup> Förster, 1968

*Corazzatocarcinus*<sup>††</sup> Larghi, 2004 (0, 0, 1)

*C. hadjoulae* (Roger, 1946) (type)

*Glyptodynamene*<sup>††</sup> Van Straelen, 1944 (0, 0, 2)

*G. alsasuensis* Van Straelen, 1944 (type)

*G. inornata* Collins et al., 1995

*Necrocarcinus*<sup>††</sup> Bell, 1863 (0, 0, 21)

*N. angelicus* Fraaije, 2002b

*N. avicularis* Fritsch & Kafka, 1887

*N. bedrakensis* Levitski, 1974

*N. bispinosus* Segerberg, 1900

*N. carinatus* Feldmann, Tshudy & Thomson, 1993

*N. davisii* Bishop, 1985a

*N. insignis* Segerberg, 1900

- N. isericus* (Fritsch & Kafka, 1887)  
*N. labeschei* (Eudes-Deslongchamps, 1835) (type)  
*N. olsonorum* Bishop & Williams, 1991  
*N. olssoni* (Rathbun, 1937)  
*N. ornatissimus* Forir, 1887  
*N. perlatus* Fritsch & Kafka, 1887  
*N. pierrensis* (Rathbun, 1917a)  
*N. rathbunae* Roberts, 1962  
*N. senoniensis* Schlüter in Schlüter & Von der Marck, 1868  
*N. tauricus* Ilyin & Alekseev, 1998  
*N. texensis* Rathbun, 1935a  
*N. undecimtuberculatus* Takeda & Fujiyama, 1983  
*N. woodwardi* Bell, 1863  
*N. wrighti* Feldmann, Tshudy & Thomson, 1993  
*Paranecrocarcinus*<sup>††</sup> Van Straelen, 1936a (0, 0, 10)  
*P. digitatus* Wright & Collins, 1972  
*P. foersteri* Wright & Collins, 1972  
*P. graysonensis* (Rathbun, 1935a)  
*P. hexagonalis* Van Straelen, 1936a (type)  
*P. kennedyi* Wright, 1997  
*P. libanoticus* Förster, 1968  
*P. moseleyi* (Stenzel, 1945)  
*P. mozambiquensis* Förster, 1970a  
*P. ovalis* (Stenzel, 1945)  
*P. vanbirgeleni* Fraaije, 2002b  
*Polycnemidium*<sup>††</sup> Reuss, 1855 (0, 0, 1)  
*P. pustulosum* (Reuss, 1845) (type)  
*Pseudonecrocarcinus*<sup>††</sup> Förster, 1968 (0, 0, 5)  
*P. biscissus* Wright & Collins, 1972  
*P. gamma* (Roberts, 1962)  
*P. quadriscissus* (Noetling, 1881) (type)  
*P. scotti* (Stenzel, 1945)  
*P. stenzeli* Bishop, 1983a  
*Shazella*<sup>††</sup> Collins & Williams, 2004 (0, 0, 1)  
*S. abbotsensis* Collins & Williams, 2004 (type)  
**Orithopsidae**<sup>††</sup> Schweitzer, Feldmann et al., 2003  
*Cherpiocarcinus*<sup>††</sup> Marangon & De Angeli, 1997 (0, 0, 1)

- C. rostratus* Marangon & De Angeli, 1997 (type)  
*Goniochele*<sup>††</sup> Bell, 1858 (0, 0, 3)  
*G. angulata* Bell, 1858 (type)  
*G. armata* Rathbun, 1918  
*G. madseni* Collins & Jakobsen, 2003  
*Marycarcinus*<sup>††</sup> Schweitzer, Feldmann et al., 2003  
 (0, 0, 1)  
*M. hanna*e (Rathbun, 1926b) (type)  
*Orithopsis*<sup>††</sup> Carter, 1872 (0, 0, 2)  
*O. bonneyi* Carter, 1872 (type)  
*O. tricarinatus* (Woodward, 1868a)  
*Paradoxocarcinus*<sup>††</sup> Schweitzer, Feldmann et al., 2003  
 (0, 0, 1)  
*P. nimonoides* Schweitzer et al., 2003 (type)  
*Silvacarcinus*<sup>††</sup> Collins & Smith, 1992 (0, 0, 1)  
*S. laurae* Collins & Smith, 1992 (type)

Superfamily Calappoidea De Haan, 1833

Family uncertain

- Cristella*<sup>††</sup> Collins & Rasmussen, 1992 (0, 0, 1)  
*C. hastata* Collins & Rasmussen, 1992 (type)

Family **Calappidae**<sup>†</sup> De Haan, 1833

- Acanthocarpus*<sup>†</sup> Stimpson, 1870 (5, 0, 1)  
*A. obscurus*<sup>††</sup> (Rathbun, 1918)  
*Bittnerilia*<sup>††</sup> De Angeli & Garassino, 2003 (0, 0, 2)  
*B. dentata* Beschin et al., 2005  
*B. eocenica* (Bittner, 1883) (type)  
*Calappa*<sup>†</sup> Weber, 1795 (34, 7, 18)  
*C. chungii*<sup>††</sup> Hu & Tao, 1985  
*C. costaricana*<sup>††</sup> Rathbun, 1918  
*C. earlei*<sup>††</sup> Withers, 1924c  
*C. flammea*<sup>†</sup> (Herbst, 1794)  
*C. cf. C. gallus*<sup>†</sup> (Herbst, 1803)  
*C. granulata*<sup>†</sup> (Linnaeus, 1758) (type)  
*C. hepatica*<sup>†</sup> (Linnaeus, 1758)  
*C. heberti*<sup>††</sup> Brocchi, 1883  
*C. lanensis*<sup>††</sup> Rathbun, 1926b  
*C. laraensis*<sup>††</sup> Van Straelen, 1933b  
*C. lophos*<sup>†</sup> (Herbst, 1795)

- C. madoerensis*<sup>††</sup> Van Straelen, 1938  
*C. oboui*<sup>††</sup> Hu & Tao, 1996  
*C. pavimenta*<sup>††</sup> Schweitzer, Iturralde-Vinent, Hetler & Velez-Juarbe, 2006  
*C. praelata*<sup>††</sup> Lőrenthey in Lőrenthey & Beurlen, 1929  
*C. protopustulosa*<sup>††</sup> Noetling, 1901  
*C. pustulosa*<sup>†</sup> Alcock, 1896  
*C. restricta*<sup>††</sup> A. Milne-Edwards, 1873a  
*C. robertsi*<sup>††</sup> Ross et al., 1964  
*C. sahelensis*<sup>††</sup> Van Straelen, 1936d  
*C. sangiranensis*<sup>††</sup> Van Straelen, 1938  
*C. sexaspinosa*<sup>††</sup> Morris & Collins, 1991  
*C. springeri*<sup>†</sup> Rathbun, 1931b  
*C. zinsmeisteri*<sup>††</sup> Feldmann & Wilson, 1988  
*C. zurcheri*<sup>††</sup> Bouvier, 1899  
*Calappella*<sup>††</sup> Rathbun, 1918 (0, 0, 1)  
*C. quadrispina* Rathbun, 1918 (type)  
*Calappilia*<sup>††</sup> A. Milne-Edwards in de Bouillé, 1873 (0, 0, 23)  
*C. bohmi* Glaessner, 1929b  
*C. bonairensis* Van Straelen, 1933c  
*C. borneoensis* Van Straelen, 1924 [imprint 1923]  
*C. brooksi* Ross & Scolaro, 1964  
*C. ? chilensis* Feldmann et al., 2005  
*C. circularis* (Beurlen, 1958a)  
*C. dacica* Bittner, 1893  
*C. diglypta* Stenzel, 1934  
*C. gemmata* Beschin et al., 1994  
*C. hondoensis* Rathbun, 1930b  
*C. incisa* Bittner, 1886  
*C. mainii* Allasinaz, 1987  
*C. matzkei* (Bachmayer, 1962)  
*C. maxwelli* Feldmann, 1993  
*C. ocalanus* (Ross et al., 1964)  
*C. perlata* Noetling, 1885a  
*C. scopuli* Quayle & Collins, 1981  
*C. sexdentata* A. Milne-Edwards in Bouillé, 1876  
*C. sitzi* Blow & Manning, 1996

- C. subovata* Beschin et al., 2002  
*C. tridentata* (Beurlen, 1939)  
*C. verrucosa* A. Milne-Edwards, 1873 (type)  
*C. vicetina* Fabiani, 1910  
*Cryptosoma*<sup>†</sup> Brullé in Barker-Webb & Berthelot, 1840  
 (3, 1, 0)  
*C. bairdii*<sup>††</sup> (Stimpson, 1862b)  
*Cycloes*<sup>†</sup> De Haan, 1837 (1, 1, 0)  
*C. granulosa*<sup>†</sup> De Haan, 1837 (type)  
*Mursia*<sup>†</sup> Leach in Desmarest, 1822 (23, 2, 12)  
*M. armata*<sup>†</sup> De Haan, 1837  
*M. aspina*<sup>††</sup> Schweitzer & Feldmann, 2000b  
*M. australiensis*<sup>†</sup> Campbell, 1971  
*M. bekenuensis*<sup>††</sup> Collins et al., 2003  
*M. circularis*<sup>††</sup> (Karasawa, 1989)  
*M. creutzbergi*<sup>††</sup> Collins & Donovan, 2004  
*M. granulosa*<sup>††</sup> Collins & Donovan, 2002  
*M. lienharti*<sup>††</sup> (Bachmayer, 1962)  
*M. macdonaldi*<sup>††</sup> Rathbun, 1918  
*M. marcusana*<sup>††</sup> Rathbun, 1926b  
*M. minuta*<sup>††</sup> Karasawa, 1993  
*M. obscura*<sup>††</sup> Rathbun, 1918  
*M. takahashii*<sup>††</sup> Imaizumi, 1952c  
*M. yaquinensis*<sup>††</sup> Rathbun, 1926b  
*Mursilata*<sup>††</sup> Hu & Tao, 1996 (0, 0, 3)  
*M. chuangi* Hu & Tao, 1996  
*M. kilmeri* (Hu, 1981) (type)  
*M. tzeni* Hu & Tao, 1996  
*Mursilia*<sup>††</sup> Rathbun, 1918 (0, 0, 1)  
*M. ecristata* Rathbun, 1918 (type)  
*Mursiopsis*<sup>††</sup> Ristori, 1889a (0, 0, 1)  
*M. pustulosus* Ristori, 1889a (type)  
*Paracyclois*<sup>†</sup> Miers, 1886 (2, 0, 1)  
*P. grandispinis*<sup>††</sup> Etheridge & McCulloch, 1916  
*Stenodromia*<sup>††</sup> A. Milne-Edwards in Bouillé, 1873  
 (0, 0, 2)  
*S. calasanctii* Vía, 1959  
*S. gibbosa* A. Milne-Edwards in Bouillé, 1873 (type)

*Tutus*<sup>††</sup> Collins *in* Collins et al., 2009 (0, 0, 1)

*T. granulosis* Collins *in* Collins et al., 2009 (type)

Family **Aethridae**<sup>†</sup> Dana, 1851b

*Drachiella*<sup>†</sup> Guinot *in* Serène & Soh, 1976 (6, 0, 1)

*D. guinotae*<sup>††</sup> Morris & Collins, 1991

*Eriosachila*<sup>††</sup> Blow & Manning, 1996 (0, 0, 8)

*E. bajaensis* Schweitzer, Feldmann, Gonzáles-Barba & Vega, 2002

*E. bartholomaeensis* (Rathbun, 1919)

*E. cuvillieri* (Van Straelen, 1929 [imprint 1930])

*E. orri* Schweitzer & Feldmann, 2000b

*E. petiti* Blow & Manning, 1996 (type)

*E. rathbunae* Maury, 1930

*E. rossi* Schweitzer & Feldmann, 2000b

*E. terryi* (Rathbun, 1937)

*Hepatella*<sup>†</sup> Smith, 1869a (2, 0, 1)

*H. amazonica*<sup>††</sup> Beurlen, 1958a

*Hepaticus*<sup>††</sup> Bittner, 1875 (0, 0, 9)

*H. distefanoi* Checchia-Rispoli, 1905

*H. laevis* Lórenthey *in* Lórenthey & Beurlen, 1929

*H. minimus* Beschin et al., 1994

*H. neumayri* Bittner, 1875 (type)

*H. poverelli* Vía, 1959

*H. pulchellus* Bittner, 1875

*H. schweinfurthi* Noetling, 1885b

*H. sheranii* Collins & Morris, 1978

*H. subpulchellus* Böhm, 1922

*Hepatus*<sup>†</sup> Latreille, 1802 (5, 2, 7)

*H. biformis*<sup>††</sup> Collins & Todd *in* Todd & Collins, 2005

*H. bottomsii*<sup>††</sup> Blow, 2003

*H. chiliensis*<sup>†</sup> H. Milne Edwards, 1837 [in 1834-1840]

*H. guraboensis*<sup>††</sup> Collins *in* Collins et al., 2009

*H. lineatus*<sup>†</sup> Rathbun, 1898a

*H. lineatinus*<sup>††</sup> Collins & Todd *in* Todd & Collins, 2005

*H. nodosus*<sup>††</sup> Collins & Morris, 1976

*H. praecox*<sup>††</sup> Collins, Donovan & Dixon, 1996

*H. spinimarginatus*<sup>††</sup> Feldmann et al., 2005

*Mainhepaticus*<sup>††</sup> De Angeli & Beschin, 1999 (0, 0, 1)

- M. zannatoi* De Angeli & Beschin, 1999 (type)  
*Matutites*<sup>††</sup> Blow & Manning, 1996 (0, 0, 3)  
*M. americanus* (Rathbun, 1935a)  
*M. anthonyae* Blow & Manning, 1996 (type)  
*M. miltonorum* Feldmann, Bice et al., 1998  
*Osachila*<sup>†</sup> Stimpson, 1871a (11, 0, 3)  
*O. berica*<sup>††</sup> De Angeli & Beschin, 1999  
*O. tiechi*<sup>††</sup> Studer, 1898  
*O. valdesensis*<sup>††</sup> Casadío et al., 2005  
*Prehepatus*<sup>††</sup> Rathbun, 1935a (0, 0, 8)  
*P. cretaceous* Rathbun, 1935a (type)  
*P. dilksi* Roberts, 1962  
*P. harrisi* Bishop, 1985b  
*P. hodgesi* Bishop, 1983a  
*P. lenolensis* (Rathbun, 1935c)  
*P. mexicanus* Schweitzer, Feldmann, González-Barba & V. Čosović, 2006  
*P. pawpawensis* Rathbun, 1935a  
*P. wernerii* Fraaye & Collins, 1987  
*Priabonella*<sup>††</sup> Beschin, De Angeli, Checchi & Mietto, 2006 (0, 0, 1)  
*P. violatii* Beschin et al., 2006 (type)  
*Pseudohepaticus*<sup>††</sup> Blow & Manning, 1996 (0, 0, 2)  
*P. marinoi* Blow & Manning, 1996 (type)  
*P. silvanoii* De Angeli & Beschin, 1999  
 Incertae sedis  
 “*Titanocarcinus*” *reisi* Böhm, 1922  
 Superfamily Leucosioidea Samouelle, 1819  
 Family **Iphiculidae**<sup>†</sup> Alcock, 1896  
*Iphiculus*<sup>†</sup> Adams & White, 1848 (2, 0, 3)  
*I. granulatus*<sup>††</sup> Morris & Collins, 1991  
*I. miriensis*<sup>††</sup> Morris & Collins, 1991  
*I. sexspinosus*<sup>††</sup> Morris & Collins, 1991  
*Pariphiculus*<sup>†</sup> Alcock, 1896 (3, 0, 6)  
*P. decentuberculatus*<sup>††</sup> Collins et al., 2003  
*P. gselli*<sup>††</sup> Beets, 1950  
*P. inconditus*<sup>††</sup> Karasawa, 1993  
*P. multituberculatus*<sup>††</sup> Collins et al., 2003

*P. papillosus*<sup>††</sup> Morris & Collins, 1991

*P. verrucosus*<sup>††</sup> Morris & Collins, 1991

**Leucosiidae**<sup>†</sup> Samouelle, 1819

Subfamily Cryptocneminae Stimpson, 1907

No fossil representatives

Subfamily Ebalinae Stimpson, 1871a

*Arcania*<sup>†</sup> Leach, 1817 [in 1814-1817] (= *Ixoides*<sup>†</sup> Mac-Gilchrist, 1905) (14, 5, 1)

*A. cornuta*<sup>†</sup> (MacGilchrist, 1905)

*A. cf. globata*<sup>†</sup> Stimpson, 1858b

*A. elongata*<sup>†</sup> Yokoya, 1933

*A. shuishuni*<sup>††</sup> (Hu & Tao, 1985)

*A. undecimspinosa*<sup>†</sup> De Haan, 1841

*A. cf. undecimspinosa*<sup>†</sup> De Haan, 1841

*Ebalia*<sup>†</sup> Leach, 1817 (64, 7, 12)

*E. cranchii*<sup>†</sup> Leach, 1817 [in 1815-1875]

*E. cryptocnemoides*<sup>†</sup> Takeda & Miyake, 1972

*E. ferganensis*<sup>††</sup> Ilyin & Alekseev in Ilyin, 2005

*E. fucinii*<sup>††</sup> Ristori, 1893

*E. hungarica*<sup>††</sup> Müller, 1974b

*E. jacqueshermani*<sup>††</sup> Van Bakel, Jagt, Fraaije & Wille, 2003

*E. kakegawaensis*<sup>††</sup> Karasawa, 1993

*E. lamarmorai*<sup>††</sup> Lörenthey, 1909a

*E. longimana*<sup>†</sup> Ortmann, 1892b

*E. cf. longimana*<sup>†</sup> Ortmann, 1892b

*E. meulenkampi*<sup>††</sup> Georgiades & Müller, 1984

*E. multiangulata*<sup>††</sup> Müller, 1993

*E. nux*<sup>†</sup> A. Milne-Edwards, 1883

*E. oersi*<sup>††</sup> Müller, 1978

*E. tuberosa*<sup>†</sup> (Pennant, 1777) (= *E. pennanti* Leach, 1817 [in 1815-1875])

*E. tumefacta*<sup>†</sup> (Montagu, 1808)

*E. vahldieki*<sup>††</sup> Förster & Mundlos, 1992

*E. vanstraeleni*<sup>††</sup> Bachmayer, 1953 [imprint 1951]

*E. noetlingi*<sup>††</sup> Karasawa, 2008 (= *E. tuberculata* Noetling, 1901)

*Ilia*<sup>†</sup> Leach, 1817 [in 1814-1817] (2, 1, 2)



- I. cf. nucleus*<sup>†</sup> (Linnaeus, 1758)  
*I. pliocaenica*<sup>††</sup> Ristori, 1891  
*I. valdellae*<sup>††</sup> Fabiani, 1908  
*Iliacantha*<sup>†</sup> Stimpson, 1871a (5, 0, 1)  
*I. panamanica*<sup>††</sup> Collins & Todd *in* Todd & Collins, 2005  
*Heteronucia*<sup>†</sup> Alcock, 1896 (16, 1, 0)  
*H. perlata*<sup>†</sup> (Sakai, 1963)  
*Ixa*<sup>†</sup> Leach, 1816 [imprint 1815] (8, 1, 0)  
*I. cylindrus*<sup>†</sup> (Fabricius, 1777)  
*Leucosilia*<sup>†</sup> Bell, 1855 (1, 1, 1)  
*L. bananensis*<sup>††</sup> Rathbun, 1918  
*L. jurinii*<sup>†</sup> (de Saussure, 1853)  
*Myra*<sup>†</sup> Leach, 1817 [in 1814-1817] (15, 3, 9)  
*M. cf. affinis*<sup>†</sup> Bell, 1855  
*M. amoena*<sup>††</sup> Böhm, 1922  
*M. arachnoides*<sup>††</sup> Böhm, 1922  
*M. brevisulcata*<sup>††</sup> Morris & Collins, 1991  
*M. celeris*<sup>†</sup> Galil, 2001  
*M. emarginata*<sup>††</sup> Glaessner, 1928  
*M. ? fijiensis*<sup>††</sup> Rathbun, 1934  
*M. fugax*<sup>†</sup> (Fabricius, 1798)  
*M. paenitensis*<sup>††</sup> Vía, 1941  
*M. subcarinata*<sup>††</sup> Morris & Collins, 1991  
*M. trispinosa*<sup>††</sup> Morris & Collins, 1991  
*M. wenjii*<sup>††</sup> Hu & Tao, 1985  
*Nucia*<sup>†</sup> Dana, 1852a (5, 1, 6)  
*N. calculoides*<sup>††</sup> Morris & Collins, 1991  
*N. coxi*<sup>††</sup> Morris & Collins, 1991  
*N. speciosa*<sup>†</sup> Dana, 1852a  
*N. ? baripadensis*<sup>††</sup> Bachmayer & Mohanti, 1973  
*N. ? borneoensis*<sup>††</sup> Morris & Collins, 1991  
*N. ? fennemai*<sup>††</sup> Böhm, 1922  
*N. ? platyspinosa*<sup>††</sup> Collins et al., 2003  
*Nursia*<sup>†</sup> Leach, 1817 [in 1814-1817] (19, 1, 1)  
*N. bilobata*<sup>††</sup> Karasawa & Kato, 2008 *in* Karasawa et al., 2008  
*N. sp. aff. N. japonica*<sup>†</sup> Sakai, 1935  
*Paranursia*<sup>†</sup> Serène & Soh, 1976 (1, 0, 1)

- P. acharyai*<sup>††</sup> (Bachmayer & Mohanti, 1973)  
*Persephona*<sup>†</sup> Leach, 1817 [in 1814-1817] (8, 2, 7)  
*P. bigranulata*<sup>††</sup> Rathbun, 1926b  
*P. enigmatica*<sup>††</sup> Collins & Todd in Todd & Collins, 2005  
*P. invalida*<sup>††</sup> Rathbun, 1929a  
*P. manningi*<sup>††</sup> Collins & Todd in Todd & Collins, 2005  
*P. mediterranea*<sup>†</sup> (Herbst, 1794)  
*P. niemeyeri*<sup>††</sup> Blow, 2003  
*P. prepunctata*<sup>††</sup> Rathbun, 1919  
*P. punctata*<sup>†</sup> (Linnaeus, 1758)  
*P. rodesae*<sup>††</sup> Blow, 2003  
*Philyra*<sup>†</sup> Leach, 1817 [in 1814-1817] (39, 6, 12)  
*P. alveola*<sup>††</sup> Hu & Tao, 2000  
*P. cranium*<sup>††</sup> (Desmarest, 1822)  
*P. ferrica*<sup>††</sup> Hu & Tao, 1996  
*P. granulosa*<sup>††</sup> Morris & Collins, 1991  
*P. hayasakai*<sup>††</sup> Karasawa & Inoue, 1992  
*P. heterograna*<sup>†</sup> Ortmann, 1892b  
*P. miyamotoi*<sup>††</sup> Karasawa & Kishimoto, 1996  
*P. nishimotoi*<sup>††</sup> Karasawa, 1989  
*P. pisum*<sup>†</sup> De Haan, 1841  
*P. plana*<sup>††</sup> Karasawa, 1989  
*P. platycheir*<sup>†</sup> De Haan, 1841  
*P. scabriuscula*<sup>†</sup> (Fabricius, 1793)  
*P. shihcheni*<sup>††</sup> (Hu & Tao, 1979)  
*P. syndactyla*<sup>†</sup> Ortmann, 1892  
*P. tanakai*<sup>††</sup> Karasawa, 1993  
*P. tridentata*<sup>††</sup> Karasawa, 1993  
*P. trusanensis*<sup>††</sup> Collins et al., 2003  
*P. sp. cf. P. acutidens*<sup>†</sup> Chen, 1987  
*Pseudophilyra*<sup>†</sup> Miers, 1879 (15, 0, 2)  
*P. elongatella*<sup>††</sup> Hu & Tao, 1996  
*P. granulimarginata*<sup>††</sup> Karasawa & Kato in Karasawa et al., 2008  
*Randallia*<sup>†</sup> Stimpson, 1857 [1856-1859] [imprint 1859] (8, 1, 5)  
*R. ornata*<sup>†</sup> (Randall, 1839)  
*R. pleistocenica*<sup>††</sup> Rathbun, 1926b

- R. strouhali*<sup>††</sup> Bachmayer, 1953a  
*R. ? jingomao*<sup>††</sup> Hu & Tao, 2004  
*R. ? prolanata*<sup>††</sup> Hu & Tao, 1996  
*R. ? saitoensis*<sup>††</sup> Karasawa, 1993  
*Speloeophorus*<sup>†</sup> A. Milne-Edwards, 1865b (9, 0, 1)  
*S. subcircularis*<sup>††</sup> Collins & Todd *in* Todd & Collins, 2005  
*Tokoyo*<sup>†</sup> Galil, 2003a (1, 1, 1)  
*T. eburnea*<sup>†</sup> (Alcock, 1896)  
*T. trinucleodea*<sup>††</sup> (Hu & Tao, 1996)  
*Uhlias*<sup>†</sup> Stimpson, 1871b (1, 1, 0)  
*U. cf. limbatus*<sup>†</sup> Stimpson, 1871b  
 Subfamily Leucosiinae<sup>†</sup> Samouelle, 1819  
*Euclosia*<sup>†</sup> Galil, 2003b (8, 2, 0)  
*E. obtusifrons*<sup>†</sup> (De Haan, 1841)  
*E. unidentata*<sup>†</sup> (De Haan, 1841)  
*Leucosia*<sup>†</sup> Weber, 1795 (23, 2, 11)  
*L. anatum*<sup>†</sup> (Herbst, 1783)  
*L. calcarata*<sup>††</sup> Collins et al., 2003  
*L. craniolaris*<sup>†</sup> (Linnaeus, 1758)  
*L. longiangulata*<sup>††</sup> Morris & Collins, 1991  
*L. martini*<sup>††</sup> Karasawa & Kato *in* Karasawa et al., 2008  
*L. ovalata*<sup>††</sup> Hu & Tao, 1996  
*L. serenei*<sup>††</sup> Morris & Collins, 1991  
*L. subrhomboidalis*<sup>††</sup> Desmarest, 1822  
*L. subrhomboidea*<sup>††</sup> Hu & Tao, 1996  
*L. taiwanica*<sup>††</sup> Hu & Tao, 1996  
*L. takamii*<sup>††</sup> Karasawa, 1993  
*L. tricarinata*<sup>††</sup> Martin, 1880  
*L. tutongensis*<sup>††</sup> Morris & Collins, 1991  
*Urnalana*<sup>†</sup> Galil, 2005 (18, 1, 0)  
*U. parhaematostica*<sup>†</sup> Galil, 2005  
 Fossil **Leucosiidae** genera not assigned to subfamily:  
*Ampliura*<sup>††</sup> Morris & Collins, 1991 (0, 0, 1)  
*A. simplex* Morris & Collins, 1991 (type)  
*Andorina*<sup>††</sup> Lőrenthey, 1901 (0, 0, 1)  
*A. elegans* Lőrenthey, 1901 (type)  
*Duncania*<sup>††</sup> Portell & Collins, 2004 (0, 0, 1)

- D. jamaicensis* Portell & Collins, 2004 (type)  
*Gemmacarcinus*<sup>††</sup> Müller & Collins, 1991 (0, 0, 2)  
*G. fossatus* Müller & Collins, 1991 (type)  
*G. ? planus* Müller, 1993  
*Hepatinulus*<sup>††</sup> Ristori, 1886 (0, 0, 2)  
*H. lovisatoi* Lörenthey, 1909a  
*H. seguenzai* Ristori, 1886 (type)  
*Nucilobus*<sup>††</sup> Morris & Collins, 1991 (0, 0, 2)  
*N. bericus* De Angeli & Beschin, 2004  
*N. symmetricus* Morris & Collins, 1991 (type)  
*Palaeomyra*<sup>††</sup> A. Milne-Edwards in Sismonda, 1861  
 (0, 0, 2)  
*P. bispinosa* A. Milne-Edwards in Sismonda, 1861  
 (type)  
*P. globulosa* (Müller, 1976b)  
*Pterocarcinus*<sup>††</sup> Blow, 2003 (0, 0, 1)  
*P. baileyi* Blow, 2003 (type)  
*Typilobus*<sup>††</sup> Stoliczka, 1871 (0, 0, 18)  
*T. ? belli* Quayle & Collins, 1981  
*T. ? birshteinyi* Förster & Mundlos, 1982  
*T. ? boscoi* Vía, 1959  
*T. ? cf. corrodati* (Noetling, 1885a)  
*T. ? corrodati* (Noetling, 1885a)  
*T. granulatus* Stoliczka, 1871 (type)  
*T. johnfeni* (Hu & Tao, 1996)  
*T. kishimotoi* Karasawa, 1998b  
*T. marginatus* Morris & Collins, 1991  
*T. ? modregoi* Vía, 1959  
*T. moralejai* Müller, 1993  
*T. ? obscurus* Quayle & Collins, 1981  
*T. ? prevostianus* (Desmarest, 1822)  
*T. sadeki* Withers, 1925  
*T. ? semseyanus* Lörenthey, 1898a  
*T. ? trispinosus* Lörenthey, 1909b  
*T. unispinatus* Martins-Neto, 2001

**Matutidae**<sup>†</sup> De Haan, 1841

Discussion. — We follow Schweitzer & Feldmann (2000b) and Martin & Davis (2001) in placing the Matutidae within the Leucosioidea rather than the Calappoidea as in Ng et al. (2008).

*Ashtoret*<sup>†</sup> Galil & Clark, 1994 (8, 0, 1)

*Ashtoret* sp. (in Karasawa, 2002)

*Eomatuta*<sup>††</sup> De Angeli & Marchiori, 2009 (0, 0, 1)

*E. granosa* De Angeli & Marchiori, 2009 (type)

*Szaboa*<sup>††</sup> Müller & Galil, 1998 (0, 0, 1)

*S. inermis* (Brocchi, 1883) (type)

Incertae sedis

“*Necrocarcinus*” *senoniensis* Schlüter in Schlüter &  
Von der Marck, 1868

Superfamily Majoidea Samouelle, 1819

Family **Epialtidae** MacLeay, 1838

Subfamily Epialtinae<sup>†</sup> MacLeay, 1838

*Actinotocarcinus*<sup>††</sup> Jenkins, 1974 (0, 0, 2)

*A. chidgeyorum* Jenkins, 1974 (type)

*A. maclauchlani* Feldmann, 1993

*Eoinachoides*<sup>††</sup> Van Straelen, 1933b (0, 0, 2)

*E. latispinosa* Carriol, de Muizon & Secretan, 1987

*E. senni* Van Straelen, 1933b (type)

*Epialtus*<sup>†</sup> H. Milne Edwards, 1834 [in 1834-1840]  
(11, 0, 1)

*E. pacificus*<sup>††</sup> Rathbun, 1945

*Nanomaja*<sup>††</sup> Müller & Collins, 1991 (0, 0, 1)

*N. simplex* Müller & Collins, 1991 (type)

*Panticarcinus*<sup>††</sup> Collins & Saward, 2006 (0, 0, 1)

*P. maylandiensis* Collins & Saward, 2006 (type)

*Periacanthus*<sup>††</sup> Bittner, 1875 (0, 0, 4)

*P. dallonii* Vía, 1959

*P. dallagoi* Beschin et al., 2005

*P. horridus* Bittner, 1875 (type)

*P. ramosus* Artal & Castillo, 2005b

*Pugettia*<sup>†</sup> Dana, 1851c (16, 3, 1)

*P. incisa*<sup>†</sup> (De Haan, 1837)

*P. producta*<sup>†</sup> (Randall, 1839)

*P. richii*<sup>†</sup> Dana, 1851c

*P. yamafui*<sup>††</sup> Karasawa & Kitamura, 1993

Subfamily Pisinae<sup>†</sup> Dana, 1851d

*Chorilia*<sup>†</sup> Dana, 1851c (3, 0, 1)

*C. yui*<sup>††</sup> Hu, 1984b

- Herbstia*<sup>†</sup> H. Milne Edwards, 1834 [in 1834-1840]  
(11, 0, 1)  
*H. exserta*<sup>††</sup> Collins & Morris, 1976
- Hyastenus*<sup>†</sup> White, 1847b (36, 1, 1)  
*H. corallinus* De Angeli & Beschin, 2008  
*H. diacanthus*<sup>†</sup> (De Haan, 1839)
- Libinia*<sup>†</sup> Leach, 1815 [in 1814-1817] (9, 3, 2)  
*L. dubia*<sup>†</sup> H. Milne Edwards, 1834 [in 1834-1840]  
*L. emarginata*<sup>†</sup> Leach, 1815 [in 1814-1817]  
*L. mbalavuensis*<sup>††</sup> Rathbun, 1945  
*L. peruviansis*<sup>††</sup> Carriol, de Muizon & Secretan, 1987  
*L. setosa*<sup>†</sup> Lockington, 1877c
- Loxorhynchus*<sup>†</sup> Stimpson, 1857 [1856-1859] [imprint 1859] (0, 2, 1)  
*L. crispatus*<sup>†</sup> Stimpson, 1857 [1856-1859] [imprint 1859]  
*L. grandis*<sup>†</sup> Stimpson, 1857 [1856-1859] [imprint 1859]  
*L. peruviansis*<sup>††</sup> Carriol, de Muizon & Secretan, 1987
- Pisa*<sup>†</sup> Leach, 1816 [imprint 1815] (8, 1, 2)  
*P. armata*<sup>†</sup> (Latreille, 1802) (= *P. gibbsi* Leach, 1816 [imprint 1815])  
*P. oroszyi*<sup>††</sup> (Bachmayer, 1953 [imprint 1951])
- Pisoides*<sup>†</sup> H. Milne Edwards & Lucas, 1843 (2, 2, 0)  
*P. bidentatus*<sup>†</sup> (A. Milne-Edwards, 1873b)  
*P. ortmanni*<sup>†</sup> (Balss, 1924)
- Pitho*<sup>†</sup> Bell, 1836 (9, 1, 0)  
*P. anisodon*<sup>†</sup> (Von Martens, 1872)
- Rochinia*<sup>†</sup> A. Milne-Edwards, 1875 [1873-1881] (34, 0, 1)  
*R. boschii*<sup>††</sup> Casadío et al., 2005
- Scyra*<sup>†</sup> Dana, 1851c (2, 1, 0)  
*S. acutifrons*<sup>†</sup> Dana, 1851c
- Tylocarcinus*<sup>†</sup> Miers, 1879 (4, 1, 0)  
*T. styx*<sup>†</sup> (Herbst, 1803)
- Subfamily Pliosomatinae Števčić, 2005  
No fossil representatives
- Subfamily Tychinae Dana, 1851d  
No fossil representatives
- Hymenosomatidae** MacLeay, 1838

No fossil representatives

**Inachidae**<sup>†</sup> MacLeay, 1838

*Achaeus*<sup>†</sup> Leach, 1817 [in 1815-1875] (36, 0, 2)

*A. magnus*<sup>††</sup> Müller, 1978

*A. nomurai*<sup>††</sup> Takeda & Fujiyama, 1984

*Inachus*<sup>†</sup> Weber, 1795 (12, 1, 1)

*I. lethaeus*<sup>††</sup> Smirnov, 1929

*I. phalangium*<sup>†</sup> (Fabricius, 1775) [= *I. dorhynchus* Leach, 1814]

*Macrocheira*<sup>†</sup> De Haan, 1839 (1, 0, 4)

*M. ginzanensis*<sup>††</sup> Imaizumi, 1965

*M. longirostra*<sup>††</sup> Schweitzer & Feldmann, 1999

*M. teglandi*<sup>††</sup> Rathbun, 1926b

*M. yabei*<sup>††</sup> (Imaizumi, 1957b)

*Stenorhynchus*<sup>†</sup> Lamarck, 1818 (4, 0, 1)

*S. lethaeus*<sup>††</sup> Smirnov, 1929

**Inachoididae**<sup>†</sup> Dana, 1851d

*Euprognatha*<sup>†</sup> Stimpson, 1871a (6, 0, 1)

*E. ricei*<sup>††</sup> Blow, 2003

*Leurocyclus*<sup>†</sup> Rathbun, 1897a (2, 0, 1)

*L. primigenius*<sup>††</sup> Aguirre-Urreta, 1990

*Pyromaia*<sup>†</sup> Stimpson, 1871a (5, 1, 1)

*P. inflata*<sup>††</sup> Collins & Morris, 1978

*P. tuberculata*<sup>†</sup> Lockington, 1877a

**Majidae**<sup>†</sup> Samouelle, 1819

Subfamily Eurynolambrinae Števcíć, 2005

No fossil representatives

Subfamily Majinae<sup>†</sup> Samouelle, 1819

*Jacquintia*<sup>†</sup> Rathbun, 1915 (0, 1, 0)

*J. edwardsi*<sup>†</sup> (Jacquinot & Lucas, 1853)

*Leptomithrax*<sup>†</sup> Miers, 1876 (13, 1, 8)

*L. atavus*<sup>††</sup> Glaessner, 1960

*L. edwardsii*<sup>†</sup> (De Haan, 1837)

*L. elegans*<sup>††</sup> Jenkins, 1985

*L. elongatus*<sup>††</sup> McLay et al., 1995

*L. garthi*<sup>††</sup> McLay et al., 1995

*L. griffini*<sup>††</sup> Feldmann & Maxwell, 1990

*L. irirangi*<sup>††</sup> Glaessner, 1960

- L. martensis*<sup>††</sup> Jenkins, 1985  
*L. uruti*<sup>††</sup> Glaessner, 1960  
*Maja*<sup>†</sup> Lamarck, 1801 (15, 2, 12)  
*M. arambourgi*<sup>††</sup> Van Straelen, 1936d  
*M. austriaca*<sup>††</sup> Bachmayer, 1953 [imprint 1951]  
*M. biaensis*<sup>††</sup> Lőrenthey in Lőrenthey & Beurlen, 1929  
*M. crispata*<sup>†</sup> Risso, 1826 (= *M. verrucosa* H. Milne Edwards, 1834 [in 1834-1840])  
*M. dominoleuae*<sup>††</sup> Hu & Tao, 1985  
*M. hungarica*<sup>††</sup> Lőrenthey in Lőrenthey & Beurlen, 1929  
*M. laddi*<sup>††</sup> Rathbun, 1934  
*M. miocaenica*<sup>††</sup> Lőrenthey, 1907a  
*M. morii*<sup>††</sup> Kato, 1996  
*M. orbigniana*<sup>††</sup> Millet, 1854  
*M. oroszyi*<sup>††</sup> Bachmayer, 1953 [imprint 1951]  
*M. robinsoni*<sup>††</sup> Jenkins, 1985  
*M. squinado*<sup>†</sup> (Herbst, 1788)  
*M. tomidai*<sup>††</sup> Kato, 2002  
*Notomithrax*<sup>†</sup> Griffin, 1963 (4, 0, 2)  
*N. allani*<sup>††</sup> Feldmann & Maxwell, 1990  
*N. angustifrons*<sup>††</sup> Jenkins, 1985  
*Schizophroida*<sup>†</sup> Sakai, 1933 (2, 0, 1)  
*S. tertiaris*<sup>††</sup> Jenkins, 1985  
*Schizophrys*<sup>†</sup> White, 1847a (6, 0, 1)  
*S. visegradensis*<sup>††</sup> Müller, 1984a  
*Wilsonimaia*<sup>††</sup> Blow & Manning, 1996 (0, 0, 2)  
*W. ethelae* Blow & Manning, 1996 (type)  
*W. schneiderorum* Blow & Manning, 1996  
Subfamily Micromaiinae<sup>††</sup> Beurlen, 1930a  
*Micromaiia*<sup>††</sup> Bittner, 1875 (0, 0, 11)  
*M. batalleri* Vía, 1959  
*M. elegans* Beschin et al., 1985  
*M. laevis* Lőrenthey, 1909b  
*M. gulderritteri* Bachmayer, 1950  
*M. mainensis* Beschin et al., 1985  
*M. margaritata* Fabiani, 1910  
*M. meneguzzoi* Beschin et al., 1985



- M. priabonensis* Oppenheim, 1901  
*M. punctulata* Lőrenthey in Lőrenthey & Beurlen, 1929  
*M. spinosa* Noetling, 1885a  
*M. simplex* Remy in Gorodiski & Remy, 1959  
*M. tuberculata* Bittner, 1875 (type)  
*Mithracia*<sup>††</sup> Bell, 1858 (0, 0, 4)  
*M. hollandia* Förster & Mundlos, 1982  
*M. libinioides* Bell, 1858 (type)  
*M. margaritifera* Beschin et al., 1994  
*M. oppioni* Larghi, 2002  
*Pisomaja*<sup>††</sup> Lőrenthey in Lőrenthey & Beurlen, 1929  
(0, 0, 1)  
*P. tuberculata* Lőrenthey in Lőrenthey & Beurlen, 1929  
(type)  
Subfamily Mithracinae<sup>†</sup> MacLeay, 1838  
*Antarctomithrax*<sup>††</sup> Feldmann, 1994 (0, 0, 1)  
*A. thomsoni* Feldmann, 1994 (type)  
*Micippa*<sup>†</sup> Leach, 1817 [in 1814-1817] (9, 1, 2)  
*M. antiqua*<sup>††</sup> Beschin, De Angeli & Checchi, 2001  
*M. hungarica*<sup>††</sup> (Lőrenthey in Lőrenthey & Beurlen,  
1929)  
*M. thalia*<sup>†</sup> (Herbst, 1803)  
*Mithraculus*<sup>†</sup> White, 1847a (7, 2, 0)  
*M. cf. M. forceps*<sup>†</sup> A. Milne-Edwards, 1875 [in 1873-  
1881]  
*M. ruber*<sup>†</sup> Stimpson, 1871a  
*Mithrax*<sup>†</sup> Latreille, 1817a (12, 4, 2)  
*M. donovani*<sup>††</sup> Portell & Collins, 2004  
*M. hemphilli*<sup>†</sup> Rathbun, 1892  
*M. hispidus*<sup>†</sup> (Herbst, 1790) [= *M. caribbaeus*<sup>†</sup> Rath-  
bun, 1920b]  
*M. spinosissimus*<sup>†</sup> (Lamarck, 1818)  
*M. unguis*<sup>††</sup> Portell & Collins, 2004  
*M. verrucosus*<sup>†</sup> H. Milne Edwards, 1832  
*Nemausa*<sup>†</sup> A. Milne-Edwards, 1875 [in 1873-1881]  
(2, 1, 0)  
*N. acuticornis*<sup>†</sup> (Stimpson, 1870 [in 1870-1881])  
*Stenocionops*<sup>†</sup> Desmarest, 1823 (8, 0, 3)

*S. dyeri*<sup>††</sup> Blow, 2003

*S. primus*<sup>††</sup> Rathbun, 1935a

*S. suwanneeana*<sup>††</sup> Rathbun, 1935a

*Teleophrys*<sup>†</sup> Stimpson, 1860 (4, 0, 1)

*T. acornis*<sup>††</sup> Portell & Collins, 2004

*Thoe*<sup>†</sup> Bell, 1836 (4, 0, 2)

*T. asperoides*<sup>††</sup> Collins & Todd in Todd & Collins, 2005

*T. vanuaensis*<sup>††</sup> Rathbun, 1945

Subfamily Planoterginae Števcíć, 2005

No fossil representatives

**Oregoniidae**<sup>†</sup> Garth, 1958

*Hyas*<sup>†</sup> Leach, 1814 (4, 1, 4)

*H. aranaeus*<sup>†</sup> (Linnaeus, 1758)

*H. meridionalis*<sup>††</sup> Glaessner, 1928

*H. oranensis*<sup>††</sup> Van Straelen, 1936d

*H. tani*<sup>††</sup> Hu, 1984b

*H. tsuchidai*<sup>††</sup> Imaizumi, 1952d

*Oregonia*<sup>†</sup> Dana, 1851c (2, 0, 1)

*O. spinifera*<sup>††</sup> Schweitzer, Feldmann, Gonzáles-Barba & Vega, 2002

Superfamily Parthenopoidea MacLeay, 1838

Family **Parthenopidae**<sup>†</sup> MacLeay, 1838

Subfamily Daldorfiinae<sup>†</sup> Ng & Rodriguez, 1986

*Daldorfia*<sup>†</sup> Rathbun, 1904a (12, 0, 5)

*D. eocenica*<sup>††</sup> Beschin, Busulini, De Angeli & Tessier, 2007

*D. fabianii*<sup>††</sup> Beschin, De Angeli & Checchi, 2001

*D. himaleoraphis*<sup>††</sup> Schweitzer, 2001

*D. nagashimai*<sup>††</sup> Karasawa & Kato, 1996

*D. salina*<sup>††</sup> Schweitzer, Feldmann, Gonzáles-Barba & Čosović, 2006

Subfamily Parthenopinae<sup>†</sup> MacLeay, 1838

*Acantholambrus*<sup>††</sup> Blow & Manning, 1996 (0, 0, 1)

*A. baumi* Blow & Manning, 1996 (type)

*Bittnerilia*<sup>††</sup> De Angeli & Garassino, 2003 (0, 0, 1)

*B. eoacena*<sup>††</sup> (Bittner, 1883) (type)

*Derilambrus*<sup>†</sup> Tan & Ng, 2007 (0, 1, 0)

*D. angulifrons*<sup>†</sup> (Latreille, 1825)

- Enopolambrus*<sup>†</sup> A. Milne-Edwards, 1878 [in 1873-1881]  
(6, 1, 0)  
*E. laciniata*<sup>†</sup> (De Haan, 1839)
- Latolambrus*<sup>†</sup> Tan & Ng, 2007 (0, 1, 0)  
*L. occidentalis*<sup>†</sup> (Dana, 1854)
- Leiolambrus*<sup>†</sup> A. Milne-Edwards, 1879 [in 1873-1881]  
(2, 0, 1)  
*L. longifrons*<sup>††</sup> Quayle & Collins, 1981
- Mesorhoea*<sup>†</sup> Stimpson, 1871a (1, 1, 2)  
*M. idae*<sup>††</sup> Rathbun, 1926b  
*M. mauryae*<sup>††</sup> Rathbun, 1919  
*M. sexspinosa*<sup>†</sup> Stimpson, 1871a
- Parthenope*<sup>†</sup> Weber, 1795 (7, 0, 13)  
*P. bachmayeri*<sup>††</sup> Förster & Mundlos, 1982  
*P. bittneri*<sup>††</sup> (Noetling, 1885a)  
*P. clypeiformis*<sup>††</sup> Collins et al., 2003  
*P. jugular*<sup>††</sup> Collins et al., 2003  
*P. neocomiensis*<sup>††</sup> Robineau-Desvoidy, 1849  
*P. nummulitica*<sup>††</sup> (Bittner, 1875)  
*P. panamensis*<sup>††</sup> Rathbun, 1918  
*P. pleistocenica*<sup>††</sup> Rathbun, 1918  
*P. prisca*<sup>††</sup> (A. Milne-Edwards, 1873a)  
*P. szaboi*<sup>††</sup> Müller, 1974a  
*P. tetenyensis*<sup>††</sup> Müller, 1984a  
*P. trituberculata*<sup>††</sup> Beurlen, 1958a  
*P. venezuelensis*<sup>††</sup> Van Straelen, 1933b
- Platylambrus*<sup>†</sup> Stimpson, 1871a (2, 0, 4)  
*P. charlottensis*<sup>††</sup> Rathbun, 1935a  
*P. fijiensis*<sup>††</sup> Rathbun, 1934  
*P. obscura*<sup>††</sup> Rathbun, 1919  
*P. spinulatus*<sup>††</sup> Collins & Todd in Todd & Collins, 2005
- Phrynotambrus*<sup>††</sup> Bittner, 1893 (0, 0, 4)  
*P. corallinus* (Bittner, 1893) (type)  
*P. italicus* De Angeli & Beschin, 2008  
*P. pentagonus* Quayle & Collins, 1981  
*P. weinfurteri* Bachmayer, 1953 [imprint 1951]
- Rhinolambrus*<sup>†</sup> A. Milne-Edwards, 1879 [in 1873-1881]  
(12, 1, 1)

*R. pelagicus*<sup>†</sup> (Rüppell, 1830)

*R. sublitoralis*<sup>††</sup> Morris & Collins, 1991

*Tutankhamen*<sup>†</sup> Rathbun, 1925 (1, 0, 1)

*T. hieracodes*<sup>††</sup> Jenkins, 1985

Fossil **Parthenopidae** not assigned to subfamily

*Branchiolambrus*<sup>††</sup> Rathbun, 1908 (0, 0, 1)

*B. altus* Rathbun, 1908 (type)

*Mesolambrus*<sup>††</sup> Müller & Collins, 1991 (0, 0, 1)

*M. declinatus* Müller & Collins, 1991 (type)

Superfamily Retroplumoidea Gill, 1894

Family **Retroplumidae**<sup>†</sup> Gill, 1894

*Archaeopus*<sup>††</sup> Rathbun, 1908 (0, 0, 8)

*A. antennatus* Rathbun, 1908 (type)

*A. bicornutus* Schweitzer, Feldmann et al., 2003

*A. ezoensis* (Nagao, 1941)

*A. lunicarinus* Schweitzer & Feldmann, 2001a

*A. mexicanus* Schweitzer, Feldmann et al., 2002

*A. rostratus* Schweitzer, Feldmann et al., 2003

*A. schenki* (Van Straelen, 1939a)

*A. vancouverensis* (Woodward, 1896)

*Costacopluma*<sup>††</sup> Collins & Morris, 1975 (0, 0, 10)

*C. australis* Feldmann, Casadío et al., 1995

*C. bifida* Collins et al., 1994

*C. binodosa* Collins & Rasmussen, 1992

*C. bishopi* Vega & Feldmann, 1992

*C. concava* Collins & Morris, 1975 (type)

*C. grayi* Feldmann & Portell, 2007

*C. mexicana* Vega & Perrilliat, 1989

*C. nordestina* Feldmann & Martins-Neto, 1995

*C. salamanca* Feldmann et al., 1997

*C. senegalensis* (Rémy in Gorodiski & Rémy, 1959)

*Cristipluma*<sup>††</sup> Bishop, 1983c (0, 0, 1)

*C. mississippiensis* Bishop, 1983c (type)

*Loerentheyia*<sup>††</sup> Beurlen in Lőrenthey & Beurlen, 1929  
(0, 0, 1)

*L. carinata* Beurlen in Lőrenthey & Beurlen, 1929  
(type)

*Loerenthopluma*<sup>††</sup> Beschin, Busulini, De Angeli &  
Tessier, 1996a (0, 0, 1)

*L. lata* Beschin et al., 1996a (type)

*Retrocypoda*<sup>††</sup> Vía, 1959 (0, 0, 1)

*R. almelai* Vía, 1959 (type)

*Retropluma*<sup>†</sup> Gill, 1894 (7, 0, 5)

*R. borealis*<sup>††</sup> Fraaije, Hansen & Hansen, 2005

*R. craverii*<sup>††</sup> (Crema, 1895)

*R. eocenica*<sup>††</sup> Vía, 1959

*R. gallica*<sup>††</sup> Artal, Van Bakel & Castillo, 2006

*R. laurentae*<sup>††</sup> Collins et al., 2003

Superfamily Cancroidea Latreille, 1802

Family **Atelecyclidae**<sup>†</sup> Ortmann, 1893

*Atelecyclus*<sup>†</sup> Leach, 1814 (2, 0, 3)

*A. elegans*<sup>††</sup> Ristori, 1896

*A. rotundatus*<sup>††</sup> (Olivi, 1792)

*A. rugosus*<sup>††</sup> Desmarest, 1822

*Levicyclus*<sup>††</sup> Schweitzer, Feldmann, González-Barba & Vega, 2002 (0, 0, 1)

*L. tepetate* Schweitzer et al., 2002 (type)

*Palaeotrichia*<sup>††</sup> Guinot, 1976 (0, 0, 2)

*P. laevis* (Noetling, 1885a) (type)

*P. multispinata* (Noetling, 1885a)

*Podocatactes*<sup>†</sup> Ortmann, 1893 (0, 1, 1)

*P. hamifer*<sup>†</sup> Ortmann, 1893 (type)

*P. ujjharai*<sup>††</sup> Karasawa, 1993

*Trichopeltarion*<sup>†</sup> A. Milne-Edwards, 1880a (= *Trachycarcinus* Faxon, 1893) (18, 0, 8)

*T. berglundorum*<sup>††</sup> Schweitzer & Feldmann, 1999

*T. decorus*<sup>††</sup> (Rathbun, 1945)

*T. granulosa*<sup>††</sup> Schweitzer & Salva, 2000

*T. greggi*<sup>††</sup> Dell, 1969

*T. huziokai*<sup>††</sup> (Imaizumi, 1951)

*T. inflatus*<sup>††</sup> (Kato, 1996)

*T. levis*<sup>††</sup> Casadío et al., 2004

*T. merrinae*<sup>††</sup> Schweitzer & Salva, 2000

**Cancridae**<sup>†</sup> Latreille, 1802

Subfamily Cancrinae Latreille, 1802

*Anatolikos*<sup>†</sup> Schweitzer & Feldmann, 2000c (1, 1, 2)

*A. japonicus*<sup>†</sup> (Ortmann, 1893) (type)

- A. itoigawai*<sup>††</sup> (Karasawa, 1990)  
*A. undecimspinosus*<sup>††</sup> Schweitzer, Feldmann, González-Barba & V. Čosović, 2006  
*Anisospinos*<sup>††</sup> Schweitzer & Feldmann, 2000c (0, 0, 3)  
*A. berglundi* Schweitzer & Feldmann, 2000c  
*A. odosensis* (Imaizumi, 1962)  
*A. wahkiakumensis* (Berglund & Goedert, 1992) (type)  
*Cancer*<sup>†</sup> Linnaeus, 1758 (1, 7, 26)  
*C. allisoni*<sup>††</sup> Nations, 1975  
*C. bainbridgensis*<sup>††</sup> Rathbun, 1926b  
*C. bellianus*<sup>†</sup> Johnson, 1861  
*C. borealis*<sup>†</sup> Stimpson, 1862a  
*C. burtini*<sup>††</sup> Galeotti, 1837  
*C. chaneyi*<sup>††</sup> Nations, 1975  
*C. coosensis*<sup>††</sup> Nations, 1975  
*C. durhami*<sup>††</sup> Nations, 1975  
*C. fissus*<sup>††</sup> Rathbun, 1908  
*C. fujinaensis*<sup>††</sup> Sakumoto, Karasawa & Takayasu, 1992  
*C. gabbi*<sup>††</sup> Rathbun, 1926b  
*C. garthi*<sup>††</sup> Nations, 1975  
*C. illyricus*<sup>††</sup> Bittner, 1883  
*C. irroratus*<sup>†</sup> Say, 1817  
*C. johngarthi*<sup>†</sup> Carvacho, 1989  
*C. marri*<sup>††</sup> Nations, 1975  
*C. meticurensis*<sup>††</sup> Thurmann, 1853  
*C. modestus*<sup>††</sup> Fritsch & Kafka, 1887  
*C. pagurus*<sup>†</sup> Linnaeus, 1758  
*C. parvidens*<sup>††</sup> Collins & Fraaye, 1991  
*C. porteri*<sup>†</sup> Rathbun, 1930c  
*C. proavitus*<sup>††</sup> Packard, 1900  
*C. productus*<sup>†</sup> Randall, 1839  
*C. reversus*<sup>††</sup> Fritsch & Kafka, 1887  
*C. santosi*<sup>††</sup> (Rathbun, 1937)  
*C. solitarius*<sup>††</sup> Fritsch & Kafka, 1887  
*C. spinosus*<sup>††</sup> (Ristori, 1886)  
*C. styriacus*<sup>††</sup> Bittner, 1884  
*C. tomowoi*<sup>††</sup> Karasawa, 1990  
*C. vancalsteri*<sup>††</sup> Van Bakel, Jagt & Fraaije, 2003

- C. villabersiani*<sup>††</sup> Gary, 1907  
*C. whitfieldi*<sup>††</sup> Pilsbry, 1901  
*C. yanceyi*<sup>††</sup> Nations, 1975  
*Cerionectes*<sup>††</sup> De Angeli & Beschin, 1998 (0, 0, 3)  
*C. boeckhi* (Lőrenthey, 1898a) (type)  
*C. granulosa* (Feldmann, Bice et al., 1998)  
 ? *C. pusillinus* (Secretan in Plaziat & Secretan, 1971)  
*Cyclocancer*<sup>††</sup> Beurlen, 1958a (0, 0, 1)  
*C. tuberculatus* Beurlen, 1958a (type)  
*Glebocarcinus*<sup>†</sup> Nations, 1975 (1, 1, 0)  
*G. amphioetus*<sup>†</sup> (Rathbun, 1898a)  
*Metacarcinus*<sup>†</sup> A. Milne-Edwards, 1862c (1, 4, 9)  
*M. anthonyi*<sup>†</sup> (Rathbun, 1897b)  
*M. danai*<sup>††</sup> Nations, 1975  
*M. davidi*<sup>††</sup> (Nations, 1968)  
*M. goederti*<sup>††</sup> Schweitzer & Feldmann, 2000c  
*M. gracilis*<sup>†</sup> (Dana, 1852a)  
*M. granti*<sup>††</sup> (Rathbun, 1932b)  
*M. izumoensis*<sup>††</sup> Sakumoto, Karasawa & Takayasu, 1992  
*M. jenniferae*<sup>††</sup> Nations, 1975  
*M. magister*<sup>†</sup> (Dana, 1852a)  
*M. minutoserratus*<sup>††</sup> (Nagao, 1940)  
*M. novaezelandiae*<sup>†</sup> (Jacquinot in Jacquinot & Lucas, 1853)  
*M. starri*<sup>††</sup> Berglund & Goedert, 1996  
*M. tenax*<sup>††</sup> Van Bakel, Jagt, Fraaije & Wille, 2003  
*Microdium*<sup>††</sup> Reuss, 1867 (0, 0, 1)  
*M. nodulosum* Reuss, 1867 (type)  
*Notocarcinus*<sup>††</sup> Schweitzer & Feldmann, 2000c (0, 0, 1)  
*N. sulcatus* Schweitzer & Feldmann, 2000c (type)  
*Platepistoma*<sup>†</sup> Rathbun, 1906 (7, 0, 2)  
*P. imamurae*<sup>††</sup> (Imaizumi, 1962)  
*P. kaedei*<sup>††</sup> (Karasawa, 1992a)  
*Romaleon*<sup>†</sup> Gistel, 1848 (3, 4, 7)  
*R. antennarium*<sup>†</sup> (Stimpson, 1873)  
*R. branneri*<sup>††</sup> (Rathbun, 1926b)  
*R. dereki*<sup>††</sup> Nations, 1975

- R. gibbosulum*<sup>†</sup> (De Haan, 1833) (type)  
*R. jordani*<sup>†</sup> (Rathbun, 1900)  
*R. nakagawaensis*<sup>††</sup> Kato & Hikida, 2002  
*R. parspinosus*<sup>††</sup> Casadío et al., 2005  
*R. polyodon*<sup>†</sup> (Poepfig, 1836)  
*R. sakamotoi*<sup>††</sup> (Kato, 1996)  
*R. sanbonsugii*<sup>††</sup> (Imaizumi, 1962)  
*R. urbanus*<sup>††</sup> (Rathbun, 1917b)  
*Santeecarcinus*<sup>††</sup> Blow & Manning, 1996 (0, 0, 1)  
*S. harmatuki* Blow & Manning, 1996 (type)  
*Sarahcarcinus*<sup>††</sup> Blow & Manning, 1996 (0, 0, 1)  
*S. campbellorum* Blow & Manning, 1996 (type)  
Subfamily Lobocarcininae<sup>††</sup> Beurlen, 1930a  
*Lobocarcinus*<sup>††</sup> Reuss, 1857 (0, 0, 8)  
*L. aegypticus* Lörenthey, 1909b  
*L. catalaunicus* Van Straelen, 1927  
*L. indicus* Glaessner, 1933b  
*L. lumacopi* Anderson & Feldmann, 1995  
*L. paulinowuerttembergensis* Von Meyer, 1847c (type)  
*L. pentanodosus* Collins & Barber, 1998  
*L. pustulosus* Feldmann & Fordyce, 1996  
*L. sismondai* Von Meyer, 1843  
*Miocyclus*<sup>††</sup> Müller, 1979 (0, 0, 1)  
*M. bulgaricus* Müller, 1979 (type)  
*Tasadia*<sup>††</sup> Müller in Janssen & Müller, 1984 (0, 0, 1)  
*T. carniolica* (Bittner, 1884) (type) (= *Cancer szontaghii* Lörenthey, 1898a; *C. bittneri*<sup>††</sup> Toulou, 1904)  
**Cheiragonidae**<sup>†</sup> Ortmann, 1893  
*Karasawaia*<sup>††</sup> Vega et al., 2008 (0, 0, 1)  
*K. markgrafi* (Lörenthey, 1907b [German version 1909b]) (type)  
*Montezumella*<sup>††</sup> Rathbun, 1930b (0, 0, 11)  
*M. amenosi* Vía, 1959  
*M. casayetensis* Rathbun, 1937  
*M. eichhorni* Schweitzer & Salva, 2000  
*M. elegans* (Lörenthey in Lörenthey & Beurlen, 1929)  
*M. fraasi* (Lörenthey, 1909b)  
*M. lamiensis* Rathbun, 1934



*M. microporosa* Portell & Collins, 2002

*M. pumicosa* Beschin et al., 2002

*M. rutteni* Van Straelen, 1933c

*M. scabra* Quayle & Collins, 1981

*M. tubulata* Rathbun, 1930b (type)

*Stintonius*<sup>††</sup> Collins, 2002 (0, 0, 1)

*S. subovata* (Quayle & Collins, 1981) (type)

Incertae sedis

“*Xanthilites*” *rathbunae* Withers, 1924a

**Corystidae**<sup>†</sup> Samouelle, 1819

*Corystes*<sup>†</sup> Latreille, 1802 (0, 1, 1)

*C. cassivelaunus*<sup>†</sup> (Pennant, 1777) (type)

*C. minisculus*<sup>††</sup> (Feldmann & Wilson, 1988)

*Corystites*<sup>††</sup> Lőrenthey in Lőrenthey & Beurlen, 1929  
(type is lost) (0, 0, 1)

*C. latifrons* Lőrenthey in Lőrenthey & Beurlen, 1929  
(type)

*Gomezinus*<sup>††</sup> Collins, Lee & Noad, 2003 (0, 0, 1)

*G. tuberculatus* Collins et al., 2003 (type)

*Harenacorystes*<sup>††</sup> Van Bakel et al., 2009 (0, 0, 1)

*H. johnjansseni*<sup>††</sup> Van Bakel et al., 2009 (type)

*Hebertides*<sup>††</sup> Guinot, De Angeli & Garassino, 2007  
(0, 0, 1)

*H. jurassica* Guinot, De Angeli & Garassino, 2007  
(type)

*Micromithrax*<sup>††</sup> Noetling, 1881 (0, 0, 1)

*M. holsatica* Noetling, 1881 (type)

Superfamily Dairoidea Serène, 1965

Family **Dacryopilumnidae** Serène, 1984

No fossil representatives

**Dairidae**<sup>†</sup> Ng & Rodriguez, 1986

*Daira*<sup>†</sup> De Haan, 1833 (1, 1, 8)

*D. coronata*<sup>††</sup> Beschin et al., 2005

*D. depressa*<sup>††</sup> (A. Milne-Edwards, 1865c)

*D. eocaenica*<sup>††</sup> (Lőrenthey, 1898a)

*D. eocenica*<sup>††</sup> (Di Salvo, 1933)

*D. perlata*<sup>†</sup> (Herbst, 1790)

*D. salebrosa*<sup>††</sup> Beschin et al., 2002

*D. sicula*<sup>††</sup> (Di Salvo, 1933)

*D. speciosa*<sup>††</sup> Reuss, 1871

*D. vulgaris*<sup>††</sup> Portell & Collins, 2004

Superfamily Portunoidea Rafinesque, 1815

Family **Carcineretidae**<sup>††</sup> Beurlen, 1930a

*Branchiocarcinus*<sup>††</sup> Vega, Feldmann & Sour-Tovar, 1995  
(0, 0, 1)

*B. cornatus* Vega et al., 1995 (type)

*Cancrixantho*<sup>††</sup> Van Straelen, 1934 (0, 0, 1)

*C. pyrenaicus* Van Straelen, 1934 (type)

*Carcineretes*<sup>††</sup> Withers, 1922 (0, 0, 2)

*C. woolacotti* Withers, 1922 (type)

*C. planetarius* Vega et al., 1997

*Mascaranada*<sup>††</sup> Vega & Feldmann, 1991 (0, 0, 1)

*M. difuntaensis* Vega & Feldmann, 1991 (type)

**Carcinidae**<sup>†</sup> MacLeay, 1838

Subfamily Carcininae<sup>†</sup> MacLeay, 1838

*Carcinus*<sup>†</sup> Leach, 1814 (1, 1, 1)

*C. maenus*<sup>†</sup> (Linnaeus, 1767)

*C. minor*<sup>††</sup> Rathbun, 1926b

*Cicarnus*<sup>††</sup> Karasawa & Fudouji, 2000 (0, 0, 1)

*C. fumiae* Karasawa & Fudouji, 2000 (type)

*Miopipus*<sup>††</sup> Müller, 1984a (0, 0, 1)

*M. pygmeus* (Brocchi, 1883) (type)

*Portumnus*<sup>†</sup> Leach, 1814 (3, 0, 1)

? *P. tricarinatus*<sup>††</sup> Lörenthey in Lörenthey & Beurlen,  
1929

*Xaiva*<sup>†</sup> MacLeay, 1838 (3, 0, 1)

*X. bachmayeri*<sup>††</sup> Müller, 1984a

Subfamily Polybiinae<sup>†</sup> Paul'son, 1875

*Liocarcinus*<sup>†</sup> Stimpson, 1871a (7, 5, 7)

*L. atropatanus*<sup>††</sup> (Aslanova & Dschafarova, 1975)

*L. corrugatus*<sup>†</sup> (Pennant, 1777)

*L. depurator*<sup>†</sup> (Linnaeus, 1758)

*L. holsatus*<sup>†</sup> (Fabricius, 1798)

*L. kuehni*<sup>††</sup> (Bachmayer, 1953 [imprint 1951])

*L. lancetidactylus*<sup>††</sup> (Smirnov, 1929)

*L. marmoreus*<sup>†</sup> (Leach, 1816 [imprint 1815])

- L. oligocaenicus*<sup>††</sup> (Paucă, 1929) (= *Portunus musceli* Paucă, 1929)
- L. oroszyi*<sup>††</sup> (Bachmayer, 1953 [imprint 1851])
- L. praearcuatus*<sup>††</sup> Müller, 1996
- L. pusillus*<sup>†</sup> (Leach, 1816 [imprint 1815])
- L. rakosensis*<sup>††</sup> (Lőrenthey in Lőrenthey & Beurlen, 1929)
- Ovalipes*<sup>†</sup> Rathbun, 1898a (10, 1, 1)
- O. formosanus*<sup>††</sup> Hu & Tao, 1996
- O. punctatus*<sup>†</sup> (De Haan, 1833)
- Catoptridae**<sup>†</sup> Borradaile, 1902
- Libystes*<sup>†</sup> A. Milne-Edwards, 1867 (= *Carcinoplacoides* Kesling, 1958) (5, 1, 0)
- L. nitidus*<sup>†</sup> A. Milne-Edwards, 1867
- Geryonidae**<sup>†</sup> Colosi, 1923
- Archaeogeryon*<sup>††</sup> Colosi, 1923 (0, 0, 1)
- A. fuegianus* Colosi, 1923 (type)
- Archaeoplax*<sup>††</sup> Stimpson, 1863 (0, 0, 1)
- A. signifera* Stimpson, 1863 (type)
- Chaceon*<sup>†</sup> Manning & Holthuis, 1989 (27, 0, 6)
- C. heimertingensis*<sup>††</sup> (Bachmayer & Wagner, 1957)
- C. helmstedtense*<sup>††</sup> (Bachmayer & Mundlos, 1968)
- C. matsushitai*<sup>††</sup> Kato & Koizumi, 2001
- C. miocenicus*<sup>††</sup> Fraaije, Hansen & Hansen, 2005
- C. ottnangensis*<sup>††</sup> (Bachmayer, 1953a)
- C. peruvianus*<sup>††</sup> (d'Orbigny, 1842)
- Lithophylacidae** Van Straelen, 1936a
- Lithophylax*<sup>††</sup> A. Milne-Edwards & Brocchi, 1879 (0, 0, 1)
- L. trigeri* A. Milne-Edwards & Brocchi, 1879 (type)
- Longusorbiidae**<sup>††</sup> Karasawa, Schweitzer & Feldmann, 2008
- Longusorbis*<sup>††</sup> Richards, 1975 (0, 0, 3)
- L. cuniculosus* Richards, 1975 (type)
- L. quadratus* Fraaije, Vega, Van Bakel & Garibay-Romero, 2006
- L. eutychius* Schweitzer, Feldmann & Karasawa, 2007
- Macropipidae**<sup>†</sup> Stephenson & Campbell, 1960
- Boschetti*<sup>††</sup> Busulini et al., 2003 (0, 0, 1)

- B. giampietroi* Busulini et al., 2003 (type)  
*Falsiportunites*<sup>††</sup> Collins & Jakobsen, 2003 (0, 0, 1)  
*F. longispinosus* Collins & Jakobsen, 2003 (type)  
*Gecchelicarcinus*<sup>††</sup> Beschin, Busulini, De Angeli & Tessier, 2007 (0, 0, 1)  
*G. lorigae* Beschin et al., 2007 (type)  
*Macropipus*<sup>†</sup> Prestandrea, 1833 (3, 1, 2)  
*M. gruneri*<sup>††</sup> Bachmayer & Rutsch, 1962  
 ? *M. ovalipes*<sup>††</sup> Secretan, 1975  
*M. tuberculatus*<sup>†</sup> (Roux, 1828)  
*Maeandricampus*<sup>††</sup> Schweitzer & Feldmann, 2002 (0, 0, 2)  
*M. triangulum* (Rathbun, 1926b) (type)  
*M. granuliferum* (Glaessner, 1960)  
*Megokkos*<sup>††</sup> Schweitzer & Feldmann, 2000d (0, 0, 4)  
*M. alaskensis* (Rathbun, 1926b) (type)  
*M. feldmanni* (Nyborg et al., 2003)  
*M. hexagonalis* (Nagao, 1932)  
*M. macrospinus* (Schweitzer et al., 2000)  
*Minohellenus*<sup>††</sup> Karasawa, 1990 (= *Imaizumila* Karasawa, 1993; *Itoigawaia* Karasawa et al., 1992) (0, 0, 8)  
*M. araucanus* (Philippi, 1887)  
*M. chichibuensis* Kato, 1996  
*M. inexpressus* Schweitzer & Feldmann, 2002  
*M. macrocheilus* Kato & Karasawa, 1994  
*M. minoensis* (Karasawa, 1990)  
*M. quinquentatus* Karasawa, 1990 (type)  
*M. sexdentatus* (Karasawa, 1993)  
*M. umemotoi* (Karasawa, 1993)  
*Necora*<sup>†</sup> Holthuis, 1987 (0, 1, 0)  
*N. puber*<sup>†</sup> (Linnaeus, 1767)  
*Ophthalmoplax*<sup>††</sup> Rathbun, 1935a (0, 0, 5)  
*O. brasiliانا* (Maury, 1930)  
*O. comancheensis* Rathbun, 1935a  
*O. stephensoni* Rathbun, 1935a (type)  
*O. ? spinosus* Feldmann et al., 1999  
*O. triambonatus* Feldmann & Villamil, 2002  
*Parathranites*<sup>†</sup> Miers, 1886 (8, 0, 1)

- P. shibatai*<sup>††</sup> Karasawa, 1990  
*Pleolobites*<sup>††</sup> Remy, 1960 (0, 0, 1)  
*P. erinaceus* Remy, 1960 (type)  
*Pororaria*<sup>††</sup> Glaessner, 1980 (0, 0, 1)  
*P. eocenica* Glaessner, 1980 (type)  
*Portufuria*<sup>††</sup> Collins, Schulz & Jakobsen, 2005 (0, 0, 1)  
*P. enigmatica* Collins et al., 2005 (type)  
*Portunites*<sup>††</sup> Bell, 1858 (0, 0, 9)  
*P. angustata* Collins, Moody & Sandman, 1999  
*P. eocenica* Lörenthey in Lörenthey & Beurlen, 1929  
*P. incerta* Bell, 1858 (type)  
*P. insculpta* Rathbun, 1926b  
*P. kattachiensis* Karasawa, 1992a  
*P. nodosa* Schweitzer & Feldmann, 2000d  
*P. rosenfeldi* De Angeli & Garassino, 2006a  
*P. stintoni* Quayle, 1984  
*P. sylviae* Quayle & Collins, 1981  
*Proterocarcinus*<sup>††</sup> Feldmann et al., 1995 (0, 0, 4)  
*P. latus* (Glaessner, 1933b)  
*P. lophos* Feldmann et al., 1995 (type)  
*P. corsolini* Casadío et al., 2004  
*P. navidad* Feldmann et al., 2005  
*Rhachiosoma*<sup>††</sup> Woodward, 1871 (0, 0, 2)  
*R. bispinosa* Woodward, 1871 (type)  
*R. echinata* Woodward, 1871
- Pirimelidae**<sup>†</sup> Alcock, 1899
- Parapirimela*<sup>††</sup> Van Straelen, 1937 (0, 0, 1)  
*P. angolensis* Van Straelen, 1937 (type)  
*Pirimela*<sup>†</sup> Leach, 1816 [in 1815-1875] (1, 0, 1)  
*P. lorentheyi*<sup>††</sup> (Müller, 1974b)  
*Pliopirimela*<sup>††</sup> Van Bakel, Jagt, Fraaije & Wille, 2003  
 (0, 0, 1)  
*P. deconincki* Van Bakel et al., 2003 (type)  
*Trachypirimela*<sup>††</sup> Müller, 1974a (0, 0, 1)  
*T. grippi* (Müller, 1974a) (type)
- Portunidae**<sup>†</sup> Rafinesque, 1815
- Enoplonotus*<sup>††</sup> A. Milne-Edwards, 1860 (0, 0, 1)  
*E. armatus* A. Milne-Edwards, 1860 (type)

Subfamily Atoportuninae<sup>†</sup> Števčić, 2005

*Euronectes*<sup>††</sup> Karasawa, Schweitzer & Feldmann, 2008  
(0, 0, 2)

*E. grumiensis* (Beschlin, De Angeli & Checchi, 2001)  
(type)

*E. vocans* (Müller, 1993)

*Laeonectes*<sup>†</sup> Manning & Chace, 1990 (2, 1, 0)

*L. vocans*<sup>†</sup> (A. Milne-Edwards, 1878b)

Subfamily Caphyrinae<sup>†</sup> Paul'son, 1875

*Lissocarcinus*<sup>†</sup> Adams & White, 1848 (9, 0, 1)

*L. szoeraenyiae*<sup>††</sup> (Müller, 1974a)

*Mioxaiva*<sup>††</sup> Müller, 1978 (0, 0, 1)

*M. psammophila* Müller, 1978 (type)

Subfamily Carupinae<sup>†</sup> Paul'son, 1875

*Carupa*<sup>†</sup> Dana, 1851b (1, 1, 0)

*C. tenuipes*<sup>†</sup> Dana, 1852c = *C. laeviuscula* Heller, 1861  
in Hu & Tao, 1996

*Neptocarcinus*<sup>††</sup> Lörenthey, 1898a (0, 0, 1)

*N. millenarus* Lörenthey, 1898a (type)

*Rakosia*<sup>††</sup> Müller, 1984a (0, 0, 2)

*R. carupoides* Müller, 1984a (type)

*R. rectifrons* Müller, 1996

Subfamily Necronectinae<sup>†</sup> Glaessner, 1928

*Necronectes*<sup>††</sup> A. Milne-Edwards, 1881b (0, 0, 13)

*N. batalleri* (Vía, 1932)

*N. beaumonti* (A. Milne-Edwards, 1864)

*N. catalaunicus* (Vía, 1941)

*N. collinsi* Schweitzer, M. Iturralde-Vinent, Hetler &  
Velez-Juarbe, 2006

*N. drydeni* Rathbun, 1935a

*N. iranensis* Toraby & Yazdi, 2002 (*nomen nudum*,  
published in an abstract with no description or  
illustrations)

*N. nodosus* Schweitzer, Feldmann et al., 2002

*N. proavitus* (Rathbun, 1918)

*N. schafferi* Glaessner, 1928

*N. summus* Collins & Donovan, 1995

*N. tajinensis* Vega et al., 1999

- N. vicksburgensis* (Stenzel, 1935) (= *N. vaughni* Rathbun, 1935a)
- N. vidalianus* A. Milne-Edwards, 1881b (type)
- Scylla*<sup>†</sup> De Haan, 1833 (3, 1, 9)
- S. costata*<sup>††</sup> Rathbun, 1919
- S. floridana*<sup>††</sup> Rathbun, 1935a
- S. hassiaca*<sup>††</sup> Ebert, 1887
- S. laevis*<sup>††</sup> Böhm, 1922
- S. marianae*<sup>††</sup> Hu & Tao, 1996
- S. michelini*<sup>††</sup> A. Milne-Edwards, 1860
- S. molassica*<sup>††</sup> Studer, 1898
- S. ozawai*<sup>††</sup> Glaessner, 1933b
- S. serrata*<sup>†</sup> (Forskål, 1775)
- S. sindensis*<sup>††</sup> (Stoliczka, 1871)
- Subfamily Lupocyclusinae<sup>†</sup> Paul'son, 1875
- Lupocyclus*<sup>†</sup> Adams & White, 1848 (6, 0, 1)
- L. tuberculosus*<sup>††</sup> Karasawa, 1993
- Subfamily Podophthalminae<sup>†</sup> Dana, 1851b
- Euphylax*<sup>†</sup> Stimpson, 1862b (2, 0, 6)
- E. callinectias*<sup>††</sup> Rathbun, 1918
- E. domingensis*<sup>††</sup> (Rathbun, 1919)
- E. fortis*<sup>††</sup> Rathbun, 1918
- E. fortispinosus*<sup>††</sup> Collins et al., 2001
- E. maculatus*<sup>††</sup> Collins & Todd in Todd & Collins, 2005
- E. septendentatus*<sup>††</sup> Beurlen, 1958a
- Podophthalmus*<sup>†</sup> Lamarck, 1801 (2, 1, 3)
- P. defrancei* Desmarest, 1822
- P. fusiformis*<sup>††</sup> Morris & Collins, 1991
- P. taiwanicus*<sup>††</sup> Hu & Tao, 1985
- P. vigil*<sup>†</sup> (Fabricius, 1798) (type)
- Psygmophthalmus*<sup>††</sup> Schweitzer, M. Iturralde-Vinent, Heter & Velez-Juarbe et al., 2006 (0, 0, 2)
- P. bifurcatus* Collins in Collins et al., 2009
- P. lares* Schweitzer et al., 2006 (type)
- Sandomingia*<sup>††</sup> Rathbun, 1919 (0, 0, 1)
- S. yaquiensis* Rathbun, 1919 (type)
- Saratunus*<sup>††</sup> Collins et al., 2003 (0, 0, 2)
- S. longiorbis* Collins et al., 2003 (type)

- S. karasawai* (Collins et al., 2003)  
*Viaophthalmus*<sup>††</sup> Karasawa, Schweitzer & Feldmann, 2008 (0, 0, 1)  
*V. zariqueyi* (Vía, 1959) (type)
- Subfamily Portuninae<sup>†</sup> Rafinesque, 1815  
*Acanthoportunus*<sup>††</sup> Schweitzer & Feldmann, 2002 (0, 0, 1)  
*A. buchamani* Schweitzer & Feldmann, 2002 (type)  
*Arenaeus*<sup>†</sup> Dana, 1851b (1, 1, 0)  
*A. cribrarius*<sup>†</sup> (Lamarck, 1818)  
*Callinectes*<sup>†</sup> Stimpson, 1862b (13, 3, 6)  
*C. alabamensis*<sup>††</sup> Rathbun, 1935a (claw only)  
*C. bellicosus*<sup>†</sup> (Stimpson, 1862a)  
*C. declivis*<sup>††</sup> Rathbun, 1918 (fingers only)  
*C. jamaicensis*<sup>††</sup> Withers, 1924a (claw fragment only)  
*C. paraensis*<sup>††</sup> Beurlen, 1958a  
*C. quilonensis*<sup>††</sup> Verma, 1977  
*C. reticulatus*<sup>††</sup> Rathbun, 1918 (claws only)  
*C. sapidus*<sup>†</sup> Rathbun, 1896 (type)  
*C. toxodes*<sup>†</sup> Ordway, 1863
- Colneptunus*<sup>††</sup> Lörenthey in Lörenthey & Beurlen, 1929 (= *Allogoneplax* Van Straelen in Dalloni, 1930) (0, 0, 3)  
*C. hungaricus* Lörenthey in Lörenthey & Beurlen, 1929 (type)  
*C. hungaricus lutetianus* Remy in Remy & Tessier, 1954  
*C. dalloni* (Van Straelen in Dalloni, 1930)
- Cronius*<sup>†</sup> Stimpson, 1862b (2, 0, 1)  
*C. obscurus*<sup>††</sup> Rathbun, 1945 (claw only)
- Portunus*<sup>†</sup> Weber, 1795 (92, 6, 42) (subgenera not recognized for fossil species)  
*P. alphonsei*<sup>††</sup> Karasawa, Schweitzer & Feldmann, 2008 (= *P. granulatus* A. Milne-Edwards, 1860)  
*P. arcuatus*<sup>††</sup> (A. Milne-Edwards, 1860)  
*P. atecuicilis*<sup>††</sup> Vega et al., 1999  
*P. brouweri*<sup>††</sup> Van Straelen, 1924  
*P. catalanicus*<sup>††</sup> (Vía, 1941)



- P. delgadoi*<sup>††</sup> Fontannes, 1884  
*P. edwardsi*<sup>††</sup> Sismonda, 1861  
*P. gabbi*<sup>††</sup> Rathbun, 1919  
*P. gallicus*<sup>††</sup> (A. Milne-Edwards in Bouillé, 1873)  
*P. gibbesii*<sup>†</sup> (Stimpson, 1862a)  
*P. haitensis*<sup>††</sup> Rathbun, 1923b  
*P. hastatus*<sup>†</sup> (Linnaeus, 1767)  
*P. incertus*<sup>††</sup> (A. Milne-Edwards, 1860)  
*P. kisslingi*<sup>††</sup> Studer, 1892  
*P. kochi*<sup>††</sup> (Bittner, 1893)  
*P. krambergeri*<sup>††</sup> Bittner, 1893  
*P. larteti*<sup>††</sup> (A. Milne-Edwards, 1860)  
*P. levigatus*<sup>††</sup> Rathbun, 1945  
*P. miocaenicus*<sup>††</sup> Müller, 1984a  
*P. miyaku*<sup>††</sup> Karasawa & Nobuhara, 2008  
*P. monspeliensis*<sup>††</sup> (A. Milne-Edwards, 1860)  
*P. neogenicus*<sup>††</sup> Müller, 1978  
*P. oblongus*<sup>††</sup> Rathbun, 1920a  
*P. obtusus*<sup>††</sup> A. Milne-Edwards, 1860  
*P. obvallatus*<sup>††</sup> Morris & Collins, 1991  
*P. pelagicus*<sup>†</sup> (Linnaeus, 1758)  
*P. pirabaensis*<sup>††</sup> Martins-Neto, 2001  
*P. radobojanus*<sup>††</sup> (Bittner, 1884)  
*P. regulensis*<sup>††</sup> Van Straelen, 1939b  
*P. ristorii*<sup>††</sup> Karasawa, Schweitzer & Feldmann, 2008  
 (= *Neptunus convexus* Ristori, 1889a)  
*P. sanshianus*<sup>††</sup> Hu, 1984b  
*P. sebae* (H. Milne Edwards, 1834 [in 1834-1840])  
*P. sijuensis*<sup>††</sup> (Satsangi & Parida, 1980)  
*P. spinimanus*<sup>†</sup> Latreille, 1819  
*P. stenaspis*<sup>††</sup> (Bittner, 1884)  
*P. straeleni*<sup>††</sup> (Vía, 1948)  
*P. suessi*<sup>††</sup> (Bittner, 1875)  
*P. tenuis*<sup>††</sup> Rathbun, 1919 (claws only)  
*P. thalae*<sup>††</sup> Macarovici, 1970  
*P. tongfai*<sup>††</sup> Hu, 1981  
*P. vectensis*<sup>††</sup> (Carter, 1898)  
*P. viai*<sup>††</sup> Secretan in Philippe & Secretan, 1971

- P. vicentinus*<sup>††</sup> (A. Milne-Edwards, 1860)  
*P. wynneanus*<sup>††</sup> (Stoliczka, 1871)  
*P. withersi*<sup>††</sup> (Glaessner, 1933b)  
*P. woodwardi*<sup>††</sup> Morris & Collins, 1991  
*P. yaucoensis*<sup>††</sup> Schweitzer, Iturralde-Vinent, Hetler & Velez-Juarbe, 2006  
*P. xantusii*<sup>†</sup> (Stimpson, 1862b)  
*Pseudoachelous*<sup>††</sup> Portell & Collins, 2004 (0, 0, 1)  
*P. schindleri* Portell & Collins, 2004 (type)  
*Rathbunella*<sup>††</sup> Collins in Collins et al., 2009 (0, 0, 1)  
*R. pentaspinosa*<sup>††</sup> Collins in Collins et al., 2009 (type)
- Subfamily Thalamitinae<sup>†</sup> Paul'son, 1875
- Charybdis*<sup>†</sup> De Haan, 1833 (56, 8, 15)  
*C. acuta*<sup>†</sup> (A. Milne-Edwards, 1869a)  
*C. annulata*<sup>†</sup> (Fabricius, 1798)  
*C. antiqua*<sup>††</sup> (A. Milne-Edwards, 1860)  
*C. arabica*<sup>††</sup> (Woodward, 1905)  
*C. bimaculata*<sup>†</sup> (Miers, 1886)  
*C. feriata*<sup>†</sup> (Linnaeus, 1758)  
*C. fragilis*<sup>††</sup> (Müller, 1978)  
*C. fijiensis*<sup>††</sup> Rathbun, 1945  
*C. gigantea*<sup>††</sup> Hu & Tao, 1996  
*C. granulata*<sup>†</sup> (De Haan, 1833)  
*C. hoffmeisteri*<sup>††</sup> Rathbun, 1945  
*C. japonica*<sup>†</sup> (A. Milne-Edwards, 1861)  
*C. kilmeri*<sup>††</sup> Hu, 1984b  
*C. leei*<sup>††</sup> Hu & Tao, 1996  
*C. mathiasi*<sup>††</sup> Müller, 1984a  
*C. miles*<sup>†</sup> (De Haan, 1835)  
*C. minuta*<sup>††</sup> Hu & Tao, 1996  
*C. monsoonis*<sup>††</sup> Hu & Tao, 1985  
*C. obtusa*<sup>††</sup> Hu & Tao, 1996  
*C. orientalis*<sup>†</sup> Dana, 1852c  
*C. preferiata*<sup>††</sup> Hu & Tao, 1996  
*C. shihseihii*<sup>††</sup> Hu & Tao, 1979  
*C. sinhaleya*<sup>††</sup> Deraniyagala, 1958  
*Eocharybdis*<sup>††</sup> Beschin et al., 2002 (0, 0, 1)  
*E. cristata* Beschin et al., 2002 (type)

- Thalamita*<sup>†</sup> Latreille, 1829 (87, 2, 3)  
*T. admete*<sup>†</sup> (Herbst, 1803) (type)  
*T. crenata*<sup>†</sup> (Latreille, 1829)  
*T. pleistocenica* Hu & Tao, 1979  
*T. truncatata*<sup>††</sup> Hu & Tao, 1996  
*T. fani*<sup>††</sup> Hu & Tao, 1996
- Thalamitoides*<sup>†</sup> A. Milne-Edwards, 1869a (2, 1, 0)  
*T. quadridens*<sup>†</sup> A. Milne-Edwards, 1869a (type)
- Psammocarcinidae**<sup>††</sup> Beurlen, 1930a  
*Psammocarcinus*<sup>††</sup> A. Milne-Edwards, 1860 (0, 0, 1)  
*P. hericarti* (Desmarest, 1822) (type)
- Thiidae**<sup>†</sup> Dana, 1852a  
*Thia*<sup>†</sup> Leach, 1816 [imprint 1815] (1, 0, 1)  
*T. simplex*<sup>††</sup> Rathbun, 1945
- Superfamily Trichodactyloidea H. Milne Edwards, 1853  
 Family **Trichodactylidae** H. Milne Edwards, 1853  
 Subfamily Dilocarcininae<sup>†</sup> Pretzmann, 1978  
*Sylviocarcinus*<sup>†</sup> H. Milne Edwards, 1853 (4, 1, 0)  
*S. piriformis*<sup>†</sup> (Pretzmann, 1968)  
 Subfamily Trichdactylinae H. Milne Edwards, 1853  
 No fossil representatives
- Superfamily Bythograeoidea Williams, 1980  
 Family **Bythograeidae** Williams, 1980  
 No fossil representatives
- Superfamily Carpilioidea Ortmann, 1893  
 Family **Carpiliidae**<sup>†</sup> Ortmann, 1893  
*Carpilius*<sup>†</sup> Desmarest, 1822 (0, 3, 2)  
*C. convexus*<sup>†</sup> (Forskål, 1775)  
*C. corallinus*<sup>†</sup> (Herbst, 1783)  
*C. lwangi*<sup>††</sup> Hu & Tao, 2000  
*C. maculatus*<sup>†</sup> (Linnaeus, 1758) (type)  
*C. petreus*<sup>††</sup> Beschin, Busulini, De Angeli & Tessier, 2007
- Eocarpilius*<sup>††</sup> Blow & Manning, 1996 (0, 0, 4)  
*E. anomolus* (Rathbun, 1935a)  
*E. antiquus* (Glaessner, 1928)  
*E. blowi* Feldmann, Bice et al., 1998  
*E. carolinensis* Blow & Manning, 1996 (type)

- Holcocarcinus*<sup>††</sup> Withers, 1924d (0, 0, 1)  
*H. sulcatus* Withers, 1924d (type)
- Ocalina*<sup>††</sup> Rathbun, 1929b (0, 0, 4)  
*O. floridana* Rathbun, 1929b (type)  
*O. haldixoni* Collins & Donovan, 2006  
*O. straeleni* (Remy in Remy & Tessier, 1954)  
*O. sublevis* Collins & Donovan, 2005
- Palaeocarpilius*<sup>††</sup> A. Milne-Edwards, 1862c (0, 0, 14)  
*P. aquilinus* Collins & Morris, 1973  
*P. almerae* (Vía, 1941)  
*P. aquitanicus* A. Milne-Edwards, 1862c  
*P. bispinosus* Satsangi & Changkakoti, 1989  
*P. brodkorbi* Lewis & Ross, 1965  
*P. ignotus* A. Milne-Edwards, 1862c  
*P. intermedius* Stubblefield, 1927  
*P. klipsteini* (Von Meyer, 1862)  
*P. laevis* Imaizumi, 1939  
*P. macrocheilus* Desmarest, 1822 (type)  
*P. mississippiensis* (Rathbun, 1935a)  
*P. rugifer* Stoliczka, 1871  
*P. simplex* Stoliczka, 1871 (= *P. anodon* Bittner, 1875)  
*P. valrovinensis* (de Gregorio, 1895)
- Paraocalina*<sup>††</sup> Beschin, Busulini, De Angeli & Tessier, 2007 (0, 0, 1)  
*P. multilobata* Beschin et al., 2007 (type)
- Proxicarpilius*<sup>††</sup> Collins & Morris, 1978 (0, 0, 1)  
*P. planifrons* Collins & Morris, 1978 (type)
- Palaeoxanthopsidae**<sup>††</sup> Schweitzer, 2003
- Jakobsenius*<sup>††</sup> Schweitzer, 2005a (0, 0, 1)  
*J. cretaceous* (Segeberg, 1900) (type)
- Lobulata*<sup>††</sup> Schweitzer, Feldmann & Gingerich, 2004 (0, 0, 1)  
*L. lobulata* (Feldmann, Casadío et al., 1995) (type)
- Palaeoxantho*<sup>††</sup> Bishop, 1986a (0, 0, 1)  
*P. libertiensis* Bishop, 1986a (type)
- Palaeoxanthopsis*<sup>††</sup> Beurlen, 1958b (0, 0, 3)  
*P. cretacea* (Rathbun, 1902a) (type)  
*P. meyoaquensis* (Vega, Feldmann et al., 2001)

- P. tylotus* Schweitzer et al., 2008
- Paraverrucoides*<sup>††</sup> Schweitzer, 2003 (0, 0, 1)
- P. alabamensis* (Rathbun, 1935a) (type)
- Remia*<sup>††</sup> Schweitzer, 2003 (0, 0, 1)
- R. africana* (Remy in Remy & Tessier, 1954) (type)
- Rocacarcinus*<sup>††</sup> Schweitzer, 2005a (0, 0, 1)
- R. gerthi* (Glaessner, 1930) (type)
- Verrucoides*<sup>††</sup> Vega, Cosma et al., 2001 (0, 0, 2)
- V. stenohedra* Vega, Cosma et al., 2001
- V. verrucoides* (Collins & Rasmussen, 1992) (type)
- Incertae sedis
- Cancer verrucosus* Schafhäütl, 1851
- Tumidocarcinidae**<sup>††</sup> Schweitzer, 2005a
- Baricarcinus*<sup>††</sup> Casadío et al., 2004 (0, 0, 1)
- B. mariae* Casadío et al., 2004 (type)
- Cyclocorystes*<sup>††</sup> Bell, 1858 (0, 0, 3)
- C. alderstoni* Squires, 1980
- C. pulchellus* Bell, 1858 (type)
- C. vulgatus* (Quayle & Collins, 1981)
- Lobonotus*<sup>††</sup> A. Milne-Edwards, 1863 (0, 0, 9)
- L. australis* Fritsch & Kafka, 1878
- L. bakeri* (Rathbun, 1935a)
- L. brazosensis* Stenzel, 1935
- L. mexicanus* Rathbun, 1930b
- L. natchitochensis* Stenzel, 1935
- L. purdyi* (Blow & Manning, 1996)
- L. sandersi* (Blow & Manning, 1998)
- L. sculptus* A. Milne-Edwards, 1863 (type)
- L. sturgeonii* (Feldmann, Bice et al., 1998)
- Nitotacarcinus*<sup>††</sup> Schweitzer, Artal et al., 2007 (0, 0, 2)
- N. bituberculatus* (Collins & Jakobsen, 2003) (type)
- N. canadensis* Schweitzer, Feldmann, Čosović, Ross & Waugh, 2009
- Paratumidocarcinus*<sup>††</sup> Martins-Neto, 2001 (0, 0, 1)
- P. marajoarus* Martins-Neto, 2001 (type)
- Pulalius*<sup>††</sup> Schweitzer, Feldmann, Tucker & Berglund, 2000 (0, 0, 2)
- P. dunhamorum* Schweitzer et al., 2000

- P. vulgaris* (Rathbun, 1926b) (type)
- Titanocarcinus*<sup>††</sup> A. Milne-Edwards, 1863 (0, 0, 7)
- T. briarti* (Forir, 1887)
- T. decor* Schweitzer, Artal et al., 2007
- T. faxeensis* (Von Fischer-Benzon, 1866)
- T. kambuhelensis* Verhoff et al., 2009
- T. raulinianus* A. Milne-Edwards, 1863
- T. serratifrons* A. Milne-Edwards, 1863 (type)
- T. subellipticus* (Segerberg, 1900)
- Tumidocarcinus*<sup>††</sup> Glaessner, 1960 (0, 0, 4)
- T. dentatus* Glaessner, 1960
- T. giganteus* Glaessner, 1960
- T. tumidus* (Woodward, 1876b) (type)
- T. victoriensis* (Crespin, 1947)
- Xanthilites*<sup>††</sup> Bell, 1858 (0, 0, 2)
- X. bowerbanki* Bell, 1858 (type)
- X. interpunctatus* Schafhäütl, 1863
- Zanthopsidae**<sup>††</sup> Vía, 1959
- Fredericia*<sup>††</sup> Collins & Jakobsen, 2003 (0, 0, 1)
- F. barsoei* Collins & Jakobsen, 2003 (type)
- Harpactocarcinus*<sup>††</sup> A. Milne-Edwards, 1862c (0, 0, 10)
- H. dalmatius* Schweitzer, Shirk et al., 2007
- H. istriensis* Bachmayer & Nosan, 1959
- H. jacquoti* A. Milne-Edwards, 1865c
- H. macrodactylus* (H. Milne Edwards in d'Archiac, 1850)
- H. multidentatus* Stubblefield, 1946
- H. ovalis* A. Milne-Edwards, 1862c
- H. punctulatus* A. Milne-Edwards, 1862c (type)
- H. rotundatus* A. Milne-Edwards, 1862c
- H. wilkeningi* (Bachmayer & Mundlos, 1968)
- H. yozgatensis* Schweitzer, Shirk et al., 2007
- Harpactoxanthopsis*<sup>††</sup> Vía, 1959 (0, 0, 5)
- H. bittneri* (Lörenthey, 1898a)
- H. lutugini* (Likharev, 1917)
- H. quadrilobatus* (Desmarest, 1922) (type)
- H. souverbei* (A. Milne-Edwards, 1862c)
- H. villaltae* Vía, 1959

- Martinetta*<sup>††</sup> Blow & Manning, 1997 (0, 0, 1)  
*M. palmeri* Blow & Manning, 1997 (type)
- Neozanthopsis*<sup>††</sup> Schweitzer, 2003 (0, 0, 7)  
*N. achalzcicus* (Bittner, 1882)  
*N. americanus* (Rathbun, 1928) (type)  
*N. bruckmanni* (Von Meyer, 1862)  
*N. carolinensis* (Rathbun, 1935a)  
*N. rathbunae* (Stenzel, 1934)  
*N. sonthofenensis* (Von Meyer, 1862)  
*N. tridentata* (Von Meyer, 1862)
- Zanthopsis*<sup>††</sup> McCoy, 1849 (0, 0, 12)  
*Z. bispinosa* Bell, 1858  
*Z. dufourii* (H. Milne Edwards in d'Archiac, 1850)  
*Z. errans* Woods, 1922  
*Z. hendersonianus* Rathbun, 1926b  
*Z. jacobi* Van Straelen, 1925  
*Z. leachii* (Desmarest, 1822) (type)  
*Z. milleri* Roberts, 1955  
*Z. minor* Stolley, 1890  
*Z. multispinosa* Remy, 1960  
*Z. nodosa* McCoy, 1849  
*Z. peytoni* Stenzel, 1934  
*Z. unispinosa* McCoy, 1849
- Superfamily Pilumnoidoidea Guinot & Macpherson, 1987  
 Family **Pilumnoididae** Guinot & Macpherson, 1987  
 No fossil representatives
- Superfamily Pilumnoidea Samouelle, 1819  
 Family **Galenidae**<sup>†</sup> Alcock, 1898  
 Subfamily Dentoxanthinae Števíčič, 2005  
 No fossil representatives  
 Subfamily Galeninae<sup>†</sup> Alcock, 1898  
*Galene*<sup>†</sup> De Haan, 1833 (0, 1, 3)  
*G. bispinosa*<sup>†</sup> (Herbst, 1804) (= *Cancer trispinosa*<sup>††</sup> Desmarest, 1822; = *Galene hainanensis*<sup>††</sup> Hu & Tao, 1979; see Karasawa & Kato in Karasawa et al., 2008)  
*G. granulifera*<sup>††</sup> Lin, 1947  
*G. obscura*<sup>††</sup> A. Milne-Edwards, 1865c

- G. stipata*<sup>††</sup> Morris & Collins, 1991  
 Subfamily Halimedinae<sup>†</sup> Alcock, 1898  
*Halimede*<sup>†</sup> De Haan, 1833 (2, 2, 0)  
*H. fragifer*<sup>†</sup> (De Haan, 1835)  
*H. othodes*<sup>†</sup> (Herbst, 1793)  
 Subfamily Parapanopinae Števcíć, 2005  
 No fossil representatives
- Pilumnidae**<sup>†</sup> Samouelle, 1819  
 Subfamily Calmaniinae Števcíć, 2005  
 No fossil representatives
- Subfamily Eumedoninae<sup>†</sup> Dana, 1853  
*Santeella*<sup>††</sup> Blow & Manning, 1996 (0, 0, 1)  
*S. lillyae* Blow & Manning, 1996 (type)  
*Viacarcinus*<sup>††</sup> Blow & Manning, 1996 (0, 0, 1)  
*V. druidi* Blow & Manning, 1996 (type)
- Subfamily Pilumninae<sup>†</sup> Samouelle, 1819  
*Actumnus*<sup>†</sup> Dana, 1851b (26, 1, 2)  
*A. guinotae*<sup>††</sup> Karasawa & Inoue, 1992  
*A. squamosus*<sup>†</sup> (De Haan, 1835)  
*A. telegdii*<sup>††</sup> (Müller, 1974a)  
*Budapanopeus*<sup>††</sup> Müller & Collins, 1991 (0, 0, 1)  
*B. denticulatus* Müller & Collins, 1991 (type)  
*Eohalimede*<sup>††</sup> Blow & Manning, 1996 (0, 0, 3)  
*E. granosa* Beschin et al., 2002  
*E. sandersi* Blow & Manning, 1998  
*E. walleri* Blow & Manning, 1996 (type)  
*Eopilumnus*<sup>††</sup> Beschin et al., 2002 (0, 0, 1)  
*E. checchii* Beschin et al., 2002 (type)  
*Eumorphactaea*<sup>††</sup> Bittner, 1875 (0, 0, 2)  
*E. latifrons* A. Milne-Edwards, 1880b  
*E. scissifrons* Bittner, 1875 (type)  
*Galenopsis*<sup>††</sup> A. Milne-Edwards, 1865c (0, 0, 12)  
*G. americana* Rathbun, 1935a  
*G. crassifrons* A. Milne-Edwards, 1865c  
*G. depressa* A. Milne-Edwards, 1872  
*G. fulangaensis* Rathbun, 1945  
*G. gervilliana* A. Milne-Edwards, 1865c  
*G. murchisoni* A. Milne-Edwards, 1865c



- G. pustulosa* A. Milne-Edwards, 1865c  
*G. ristorii* Checchia-Rispoli, 1907  
*G. schopeni* Checchia-Rispoli, 1905  
*G. similis* Bittner, 1875  
*G. typica* A. Milne-Edwards, 1865c (type)  
*G. wulfi* Förster & Mundlos, 1982  
*Glabropilumnus*<sup>†</sup> Balss, 1932 (5, 1, 3)  
*G. fossatus*<sup>††</sup> Müller, 1996  
*G. kamiyai*<sup>††</sup> Karasawa, 1991  
*G. laevis*<sup>†</sup> (Dana, 1852c)  
*G. soghensis*<sup>††</sup> De Angeli & Beschin, 2008  
*Heteropanope*<sup>†</sup> Stimpson, 1859 [read 1858] (5, 0, 1)  
*H. wylliei*<sup>††</sup> Glaessner, 1933b  
*Lobogalenopsis*<sup>††</sup> Müller & Collins, 1991 (0, 0, 1)  
*L. quadrilobata* (Lórenthey, 1897 [German version 1898a]) (type)  
*Pilumnopus*<sup>†</sup> A. Milne-Edwards, 1867 (12, 0, 3)  
*P. dilatatus*<sup>††</sup> Müller, 1993  
*P. paratethyensis*<sup>††</sup> Müller, 1984a  
*P. tetenyensis*<sup>††</sup> Müller, 1984a  
*Pilumnus*<sup>†</sup> Leach, 1816 [imprint 1815] (134, 5, 7)  
*P. cucaoensis*<sup>††</sup> Feldmann et al., 2005  
*P. fookimensis*<sup>††</sup> Collins et al., 2003  
*P. hirtellus*<sup>†</sup> (Linnaeus, 1761)  
*P. hirtellus* var. *villosa*<sup>††</sup> Risso, 1826  
*P. mediterraneus*<sup>††</sup> (Lórenthey, 1898a)  
*P. olivellai*<sup>††</sup> Müller, 1993  
*P. subequus*<sup>††</sup> Rathbun, 1919 (claws only)  
*P. sayi*<sup>†</sup> Rathbun, 1897c  
*P. aff. P. pannosus*<sup>†</sup> Rathbun, 1898b  
*P. aff. P. spinosissimus*<sup>†</sup> Rathbun, 1898b  
*P. villosissimus*<sup>†</sup> (Rafinesque, 1814)  
Subfamily Rhizopinae<sup>†</sup> Stimpson, 1858c  
*Arges*<sup>†</sup> De Haan, 1835 (0, 0, 1)  
*A. parallelus*<sup>††</sup> De Haan, 1835  
*Cryptolutea*<sup>†</sup> Ward, 1936 (5, 0, 2)  
*C. littoralis*<sup>††</sup> (Collins et al., 2003)  
*C. warreni*<sup>††</sup> Karasawa & Kato in Karasawa et al., 2008

*Typhlocarcinus*<sup>†</sup> Stimpson, 1858c (7, 0, 3)

*T. galeniformis*<sup>††</sup> Hu & Tao, 1996

*T. obtusus*<sup>††</sup> Karasawa, 1993

*T. taiwanicus*<sup>††</sup> Hu, 1983

Subfamily Xenophthalmodinae Števc̆ić, 2005

No fossil representatives

Incertae sedis

“*Titanocarcinus*” *kochi* Lőrenthey, 1898a

Superfamily Xanthoidea<sup>†</sup> MacLeay, 1838

Discussion. — Xanthoidea as treated herein differs from that of Ng et al. (2008) in including the Domeciidae and Trapeziidae following Karasawa & Schweitzer (2006).

**Domeciidae**<sup>†</sup> Ortmann, 1893

*Jonesius*<sup>†</sup> Sankarankutty, 1962 (1, 0, 2)

*J. oligocenicus*<sup>††</sup> (Beschlin, De Angeli & Checchi, 2001)

*J. planus*<sup>††</sup> (Müller, 1996)

*Palmyria*<sup>†</sup> Galil & Takeda, 1986 (0, 1, 0)

*P. palmyrensis*<sup>†</sup> (Rathbun, 1923c)

**Panopeidae**<sup>†</sup> Ortmann, 1893

Subfamily Eucratopsinae<sup>†</sup> Stimpson, 1871a

*Balcacarcinus*<sup>††</sup> Karasawa & Schweitzer, 2006 (0, 0, 1)

*B. attenuatus* (Bittner, 1875) (type)

*Bittnerus*<sup>††</sup> Beschlin, Busulini, De Angeli & Tessier, 2007  
(0, 0, 1)

*B. vicentinus* (Bittner, 1875) (type)

*Carinocarcinus*<sup>††</sup> Lőrenthey, 1898b (0, 0, 1)

*C. zitteli* Lőrenthey, 1898b (type)

*Glyphithyreus*<sup>††</sup> Reuss, 1859 (= *Plagiolophus* Bell, 1858)  
(0, 0, 4)

*G. ellipticus* (Bittner, 1875)

*G. formosus* Reuss, 1859 (type)

*G. sulcatus* (Beurlen, 1939)

*G. wetherelli* Bell, 1858

*Palaeograpsus*<sup>††</sup> Bittner, 1875 (0, 0, 1)

*P. inflatus* Bittner, 1875 (type)

Subfamily Panopeinae<sup>†</sup> Ortmann, 1893

*Eurypanopeus*<sup>†</sup> A. Milne-Edwards, 1880a (12, 1, 0)

*E. depressus*<sup>†</sup> (Smith, 1869b)

- Eurytium*<sup>†</sup> Stimpson, 1862a (3, 1, 2)  
*E. crenulatum*<sup>††</sup> Rathbun, 1918  
*E. granulatum*<sup>††</sup> Schweitzer, Velez-Juarbe et al., 2008  
*E. limosum*<sup>†</sup> (Say, 1818)
- Hexapanopeus*<sup>†</sup> Rathbun, 1898b (10, 1, 0)  
*H. caribbaeus*<sup>†</sup> (Stimpson, 1871a)
- Laevicarcinus*<sup>††</sup> Lőrenthey in Lőrenthey & Beurlen, 1929  
 (0, 0, 3)  
*L. dockeryi* Blow & Manning, 1996  
*L. egerensis* Lőrenthey in Lőrenthey & Beurlen, 1929  
 (type)  
*L. lioyi* Beschin, Busulini, De Angeli & Tessier, 2007
- Lophopanopeus*<sup>†</sup> Rathbun, 1898b (6, 3, 3)  
*L. corallinus*<sup>††</sup> Portell & Collins, 2004  
*L. diegensis*<sup>†</sup> Rathbun, 1900  
*L. leucomanus*<sup>†</sup> (Lockington, 1877a)  
*L. lockingtoni*<sup>†</sup> Rathbun, 1900  
*L. maculoides*<sup>††</sup> Collins & Todd in Todd & Collins, 2005  
*L. toomeyorum*<sup>††</sup> Portell & Collins, 2004
- Panopeus*<sup>†</sup> H. Milne Edwards, 1834 [in 1834-1840]  
 (15, 2, 20)
- P. antepurpureus*<sup>††</sup> (Rathbun, 1918) (claw only)  
*P. baldwini*<sup>††</sup> (Kooser & Orr, 1973)  
*P. bessmanni*<sup>††</sup> Collins & Jakobsen, 2003  
*P. bolcensis*<sup>††</sup> Secretan, 1975  
*P. capanemaensis*<sup>††</sup> Martins Neto, 2001  
*P. estellensis*<sup>††</sup> Rathbun, 1935a (claw only)  
*P. granulineatus*<sup>††</sup> Müller & Collins, 1991  
*P. herbstii*<sup>†</sup> H. Milne Edwards, 1834 [in 1824-1840]  
*P. incisus*<sup>††</sup> Beschin, Busulini, De Angeli & Tessier, 2007  
*P. jerseyensis*<sup>††</sup> Roberts, 1956 (claw only)  
*P. lauensis*<sup>††</sup> Rathbun, 1945  
*P. nanus*<sup>††</sup> Portell & Collins, 2004  
*P. olearis*<sup>††</sup> (Rathbun, 1926b)  
*P. pyramidensis*<sup>††</sup> Casadío et al., 2005  
*P. prosakrolophos*<sup>††</sup> Schweitzer, 2000  
*P. rugosus*<sup>†</sup> A. Milne-Edwards, 1880a

- P. soledadensis*<sup>††</sup> (Rathbun, 1926b)  
*P. torus*<sup>††</sup> Schweitzer, 2000  
*P. tridentatus*<sup>††</sup> Rathbun, 1918 (claw only)  
*P. veintensis*<sup>††</sup> Vega et al., 2008  
*P. viai*<sup>††</sup> Müller, 1993  
*P. wronai*<sup>††</sup> Müller, 1984a  
*Tetraxanthus*<sup>†</sup> Rathbun, 1898b (2, 1, 0)  
*T. rathbunae*<sup>†</sup> (Chace, 1939)

**Fossil Panopeidae** not assigned to subfamily level

- Pakicarcinus*<sup>††</sup> Schweitzer, Feldmann & Gingerich, 2004  
 (0, 0, 2)  
*P. orientalis* (Collins & Morris, 1978) (type)  
*P. whittenensis* (Glaessner, 1980)  
*Sereneopeus*<sup>††</sup> Collins, 2002 (0, 0, 2)  
*S. humilis* Beschin, Busulini, De Angeli & Tessier, 2007  
*S. kempi* (Quayle & Collins, 1981) (type)

**Pseudorhombilidae**<sup>†</sup> Alcock, 1900b

- Nanoplax*<sup>†</sup> Guinot, 1967 (0, 1, 0)  
*N. xanthiformis*<sup>†</sup> (A. Milne-Edwards, 1880a)  
*Pseudorhombila*<sup>†</sup> H. Milne Edwards, 1834 [in 1834-1840]  
 (5, 0, 1)  
*P. patagonica*<sup>††</sup> Glaessner, 1933b

**Tanaocheleidae** Ng & Clark, 2000

No fossil representatives

**Tetraliidae** Castro, Ng & Ahyong, 2004

- Tetralia*<sup>†</sup> Dana, 1851e (10, 0, 1)  
*T. loerentheyi*<sup>††</sup> (Müller, 1975)

**Trapeziidae**<sup>†</sup> Miers, 1886

- Archaeotetra*<sup>††</sup> Schweitzer, 2005b (0, 0, 1)  
*A. inornata* Schweitzer, 2005b (type)  
*Eomaldivia*<sup>††</sup> Müller & Collins, 1991 (0, 0, 2)  
*E. pannonica* Müller & Collins, 1991 (type)  
*E. trispinosa* Müller & Collins, 1991  
*Paratetralia*<sup>††</sup> Beschin, Busulini, De Angeli & Tessier,  
 2007 (0, 0, 1)  
*P. convexa* Beschin et al., 2007 (type)  
*Trapezia*<sup>†</sup> Latreille, 1825 (22, 1, 3)  
*T. brevispinosa*<sup>††</sup> Karasawa, 1993

*T. digitalis*<sup>†</sup> Latreille, 1828

*T. glaessneri*<sup>††</sup> Müller, 1975

*T. prisca*<sup>††</sup> Portell & Collins, 2004

**Xanthidae**<sup>†</sup> MacLeay, 1838

Subfamily Actaeinae<sup>†</sup> Alcock, 1898

*Actaea*<sup>†</sup> De Haan, 1833 (23, 5, 5)

*A. ? acantha*<sup>†</sup> (H. Milne Edwards, 1834 [in 1834-1840])

*A. ? bifrons*<sup>†</sup> Rathbun, 1898b

*A. calzadai*<sup>††</sup> Müller, 1984b

*A. cretacea*<sup>††</sup> Rathbun, 1935a (probably not *Actaea*)

*A. persica*<sup>††</sup> A. Milne-Edwards, 1865c

*A. polyacantha*<sup>†</sup> (Heller, 1861)

*A. pura*<sup>†</sup> Stimpson, 1859 [read 1858]

*A. semblatae*<sup>†</sup> Guinot, 1976

*A. tropicana*<sup>††</sup> Hu & Tao, 1996

*A. turcocampestris*<sup>††</sup> Müller, 1984a

*Actaeodes*<sup>†</sup> Dana, 1851b (4, 2, 0)

*A. hirsutissima*<sup>†</sup> (Ruppell, 1830)

*A. tomentosus*<sup>†</sup> (H. Milne Edwards, 1834 [in 1834-1840])

*Actaeops*<sup>††</sup> Portell & Collins, 2004 (0, 0, 1)

*A. frontalis* Portell & Collins, 2004 (type)

*Forestia*<sup>†</sup> Guinot, 1976 (4, 0, 1)

*F. tagauna*<sup>††</sup> Hu & Tao, 1996

*Gaillardiellus*<sup>†</sup> Guinot, 1976 (4, 1, 0)

*G. orientalis*<sup>†</sup> (Odhner, 1925)

*Heteractaea*<sup>†</sup> Lockington, 1877b (2, 1, 0)

*H. lunata*<sup>††</sup> (A. Milne-Edwards & Lucas, 1843)

*Paractaea*<sup>†</sup> Guinot, 1969 (13, 1, 0)

*P. philippinensis*<sup>†</sup> (Ward, 1942)

*Phlyctenodes*<sup>††</sup> A. Milne-Edwards, 1862c (0, 0, 8)

*P. dalpiazii* Fabiani, 1911

*P. irregularis* Ristori, 1896

*P. krenneri* Lőrenthey, 1897 [German version 1898a]

*P. multituberculatus* Beschin, Busulini, De Angeli & Tessier, 2007

*P. nicolisi* Bittner, 1884

*P. pustulosus* A. Milne-Edwards, 1862c

*P. steinmanni* Lőrenthey, 1902

*P. tuberculosus* A. Milne-Edwards, 1862c (type)

*Pseudophlyctenodes*<sup>††</sup> Busulini et al., 2006 (0, 0, 1)

*P. hantkeni* (Lőrenthey, 1897 [German version 1898a])  
(type)

Subfamily Antrocarcininae Ng & Chia, 1994

No fossil representatives

Subfamily Chlorodiellinae<sup>†</sup> Ng & Holthuis, 2007

*Chlorodiella*<sup>†</sup> Rathbun, 1897a (= *Chlorodius* H. Milne  
Edwards, 1834 [in 1834-1840]) (8, 3, 6)

*C. cytherea*<sup>†</sup> (Dana, 1852c)

*C. juglans*<sup>††</sup> Müller, 1984a

*C. junghuhni*<sup>††</sup> (Martin, 1880)

*C. laevisima*<sup>†</sup> (Dana, 1852c)

*C. loczyi*<sup>††</sup> Müller, 1984a

*C. mediterranea*<sup>††</sup> Lőrenthey in Lőrenthey & Beurlen,  
1929

*C. mediterranea tetenyensis*<sup>††</sup> Müller, 1984a

*C. nigra*<sup>†</sup> (Forskål, 1775)

*C. occidentalis*<sup>††</sup> Portell & Collins, 2004

*Cyclodius*<sup>†</sup> Dana, 1851b (5, 3, 0)

*C. granulatus*<sup>†</sup> De Man, 1888

*C. nitidus*<sup>†</sup> (Dana, 1852c)

*C. ungulatus*<sup>†</sup> (H. Milne Edwards, 1834)

*Pilodius*<sup>†</sup> Dana, 1851b (14, 3, 3)

*P. granulatus*<sup>†</sup> Stimpson, 1859 [read 1858]

*P. mediterraneus*<sup>††</sup> Lőrenthey, 1898a

*P. nigrocrinitus*<sup>†</sup> Stimpson, 1859 [read 1858]

*P. parvus*<sup>††</sup> Karasawa, 1993

*P. pugil*<sup>†</sup> Dana, 1852c

*P. vulgaris*<sup>††</sup> (Glaessner, 1928)

Subfamily Cymoinae<sup>†</sup> Alcock, 1898

Only unnamed species

Subfamily Etisinae<sup>†</sup> Ortmann, 1893

*Etisus*<sup>†</sup> H. Milne Edwards, 1834 [in 1834-1840] (21, 3, 3)

*E. arduinoti*<sup>††</sup> Beschin, Busulini, De Angeli & Tessier,  
2007

*E. dentatus*<sup>†</sup> (Herbst, 1785)

- E. javanicus*<sup>††</sup> (Van Straelen, 1938)  
*E. laevimanus*<sup>†</sup> Randall, 1839  
*E. pleistocenicus*<sup>††</sup> Hu & Tao, 2000  
*E. splendidus*<sup>†</sup> Rathbun, 1906 (= *E. doucerei* Kowalski, 1923)

Subfamily Euxanthinae<sup>†</sup> Alcock, 1898

- Euxanthus*<sup>†</sup> Dana, 1851b (6, 0, 1)  
*E. multipunctulatus*<sup>††</sup> Hu & Tao, 1996  
*Glyptoxanthus*<sup>†</sup> A. Milne-Edwards, 1879 [in 1873-1881] (8, 0, 1)  
*G. primitivus*<sup>††</sup> Müller, 1993  
*Hypocolpus*<sup>†</sup> Rathbun, 1897a (11, 1, 0)  
*H. abbotti*<sup>†</sup> (Rathbun, 1894)  
*Lipaesthesius*<sup>†</sup> Rathbun, 1898a (1, 0, 1)  
*L. quadratus*<sup>††</sup> Rathbun, 1945  
*Medaeops*<sup>†</sup> Guinot, 1967 (6, 0, 1)  
*M. megamiensis*<sup>††</sup> Karasawa, 1993  
*Medaeus*<sup>†</sup> Dana, 1851b (4, 0, 3)  
*M. granulatus*<sup>††</sup> Martin, 1880  
*M. mbalavuensis*<sup>††</sup> Rathbun, 1945  
*M. ? variabilis*<sup>††</sup> Rathbun, 1945  
*Monodaeus*<sup>†</sup> Guinot, 1967 (7, 1, 1)  
*M. bortolottii*<sup>††</sup> Delle Cave, 1988  
*M. couchii*<sup>†</sup> (Couch, 1851)

Subfamily Kraussiinae Ng, 1993

No fossil representatives

Subfamily Liomerinae<sup>†</sup> Sakai, 1976

- Liomera*<sup>†</sup> Dana, 1851b (14, 6, 2)  
*L. cinctimana*<sup>†</sup> (White, 1847c)  
*L. laevis*<sup>†</sup> (A. Milne-Edwards, 1873c)  
*L. monticulosa*<sup>†</sup> (A. Milne-Edwards, 1873c)  
*L. rubra*<sup>†</sup> (A. Milne-Edwards, 1865d)  
*L. sublensis*<sup>††</sup> (Rathbun, 1945)  
*L. stimpsonii*<sup>†</sup> (A. Milne-Edwards, 1965d)  
*L. transversa*<sup>††</sup> (Hu, 1983)  
*L. venosa*<sup>†</sup> (H. Milne Edwards, 1834 [in 1834-1840])  
*Neoliomera*<sup>†</sup> Odhner, 1925 (13, 4, 2)  
*N. insularis*<sup>†</sup> (Adams & White, 1849)

- N. intermedia*<sup>†</sup> Odhner, 1925  
*N. kuohwai*<sup>††</sup> Hu, 1981  
*N. paleogenica*<sup>††</sup> Beschin, Busulini, De Angeli & Tessier, 2007  
*N. pubescens*<sup>†</sup> (H. Milne Edwards, 1834 [in 1834-1840])  
*N. richteroides*<sup>†</sup> Sakai, 1969  
*Neomeria*<sup>††</sup> Hu & Tao, 1996 (0, 0, 1)  
*N. lelingae* (Hu, 1981) (type)
- Subfamily Polydectinae<sup>†</sup> Dana, 1851b  
 Only unnamed species
- Subfamily Speocarcininae<sup>†</sup> Števcíć, 2005  
*Speocarcinus*<sup>†</sup> Stimpson, 1862a (6, 0, 1)  
*S. berglundi*<sup>††</sup> Tucker et al., 1994
- Subfamily Xanthinae<sup>†</sup> MacLeay, 1838  
*Cycloxanthops*<sup>†</sup> Rathbun, 1897a (5, 1, 1)  
*C. eous*<sup>††</sup> Rathbun, 1945  
*C. novemdentatus*<sup>†</sup> (Lockington, 1877a)  
*Demania*<sup>†</sup> Laurie, 1906 (13, 4, 2)  
*D. caltripipes*<sup>†</sup> (Alcock, 1898)  
*D. chayiensis*<sup>††</sup> (Hu, 1981)  
*D. pilipinas*<sup>††</sup> Karasawa & Kato *in* Karasawa et al., 2008  
*D. reynaudii*<sup>†</sup> (H. Milne Edwards, 1834 [in 1834-1840])  
*D. scaberrima*<sup>†</sup> (Walker, 1887)  
*D. wardi*<sup>†</sup> Garth & Ng, 1985
- Garthiope*<sup>†</sup> Guinot, 1990 (3, 1, 0)  
*G. spinipes*<sup>†</sup> (A. Milne-Edwards, 1880a)  
*Lachnopodus*<sup>†</sup> Stimpson, 1859 [read 1858] (4, 2, 1)  
*L. bidentatus*<sup>†</sup> (A. Milne-Edwards, 1867)  
*L. murdjadjensis*<sup>††</sup> Saint Martin & Müller, 1988  
*L. subacutus*<sup>†</sup> (Stimpson, 1859 [read 1858])  
*Leptodius*<sup>†</sup> A. Milne-Edwards, 1863 (11, 0, 3)  
*L. crosnieri*<sup>††</sup> Karasawa, 1993  
*L. granulatus*<sup>††</sup> Portell & Collins, 2004  
*L. morrissi*<sup>††</sup> Karasawa, 1993
- Liagore*<sup>†</sup> De Haan, 1833 (2, 1, 0)  
*L. rubromaculata*<sup>†</sup> (De Haan, 1835)



- Macromedaeus*<sup>†</sup> Ward, 1942 (5, 1, 0)  
*M. distinguendus*<sup>†</sup> (De Haan, 1835)
- Megamia*<sup>††</sup> Karasawa, 1993 (0, 0, 1)  
*M. anaglypta* Karasawa, 1993 (type)
- Metopoxantho*<sup>†</sup> De Man, 1904 (0, 1, 0)  
*M. martini*<sup>†</sup> De Man, 1904
- Micropanope*<sup>†</sup> Stimpson, 1871a (7 confirmed and 4 questionable, 2, 1)  
*M. ? nuttingi*<sup>†</sup> (Rathbun, 1898b)  
*M. pulcherrima*<sup>††</sup> Portell & Collins, 2004  
*M. ? truncatifrons*<sup>†</sup> Rathbun, 1898b
- Nanocassiope* Guinot, 1967 (5, 1, 0)  
*N. alcocki*<sup>†</sup> (Rathbun, 1902a)
- Palaeoxanthops*<sup>††</sup> Karasawa, 1993 (0, 0, 2)  
*P. minutus* Karasawa, 1993 (type)  
*P. okumurai* Karasawa, 1993
- Paraxanthias*<sup>†</sup> Odhner, 1925 (5, 0, 1)  
*P. fujiyamai*<sup>††</sup> Karasawa, 1993
- Xanthias*<sup>†</sup> Rathbun, 1897a (12, 1, 2)  
*X. maculatus*<sup>†</sup> (Forskål, 1775)  
*X. miocenicus*<sup>††</sup> Collins et al., 2003  
*X. similis*<sup>††</sup> Hu, 1983
- Xantho*<sup>†</sup> Leach, 1816 [imprint 1815] (4, 1, 4)  
*X. agassizi*<sup>††</sup> Robineau-Desvoidy, 1849  
*X. hydrophilus*<sup>†</sup> (Herbst, 1790) (= *X. floridus* Montagu, 1813; *X. incisus* Leach, 1814)  
*X. lovisatoi*<sup>††</sup> (Lőrentthey, 1907a [German version 1909a])  
*X. moldavicus*<sup>††</sup> (Yanakevich, 1977)  
*X. vitiensis*<sup>††</sup> (Rathbun, 1945)
- Xanthodius*<sup>†</sup> Stimpson, 1862a (7, 0, 1)  
*X. kambaraensis*<sup>††</sup> Rathbun, 1945
- Subfamily Zalasiinae<sup>†</sup> Serène, 1968  
*Banareia*<sup>†</sup> A. Milne-Edwards, 1869b (14, 2, 0)  
*B. kraussi*<sup>†</sup> (Heller, 1861)  
*B. odhneri*<sup>†</sup> Sakai, 1974
- Subfamily Zosiminae<sup>†</sup> Alcock, 1898  
*Atergatis*<sup>†</sup> De Haan, 1833 (11, 3, 3)

- A. dilatatus*<sup>†</sup> De Haan, 1835  
*A. dubius*<sup>††</sup> A. Milne-Edwards, 1862c  
*A. granulatus*<sup>†</sup> (De Man, 1889) (= *A. kymikis* Hu & Tao, 1996)  
*A. laddi*<sup>††</sup> Rathbun, 1945  
*A. latissimus*<sup>†</sup> (H. Milne Edwards, 1834 [in 1834-1840])  
*A. pyroticus*<sup>††</sup> Hu & Tao, 1996  
*Platypodia*<sup>†</sup> Bell, 1836 (9, 1, 0)  
*P. granulosa*<sup>†</sup> (Rüppell, 1830)  
*Serenius*<sup>†</sup> Guinot, 1976 (5, 1, 0)  
*S. ceylonicus*<sup>†</sup> (Laurie, 1906)  
*Zosimus*<sup>†</sup> Leach in Desmarest, 1825 (5, 1, 2)  
*Z. aeneus*<sup>†</sup> (Linnaeus, 1758)  
*Z. jeneweni*<sup>††</sup> Hu & Tao, 2000  
*Z. poxus*<sup>††</sup> Hu & Tao, 1996
- Fossil Xanthidae not assigned to subfamily
- Haydnella*<sup>††</sup> Müller, 1984a (0, 0, 4)  
*H. maladensis* Beschin, Busulini, De Angeli & Tessier, 2007  
*H. oligocenica* De Angeli & Beschin, 2008  
*H. pulchellus* (A. Milne-Edwards, 1864)  
*H. steiningeri* Müller, 1984a (type)  
*Nogarolia*<sup>††</sup> Beschin, Busulini, De Angeli & Tessier, 1994 (0, 0, 1)  
*N. mirabilis* Beschin et al., 1994 (type)  
*Sculptoplax*<sup>††</sup> Müller & Collins, 1991 (0, 0, 1)  
*S. rigida* Müller & Collins, 1991 (type)
- Superfamily Xanthoidea: incertae sedis
- Actaeites*<sup>††</sup> Müller & Collins, 1991 (0, 0, 1)  
*A. lobatus* Müller & Collins, 1991 (type)  
*Actaeopsis*<sup>††</sup> Carter, 1898 (0, 0, 1)  
*A. wiltshirei* Carter, 1898 (type)  
*Caprocancer*<sup>††</sup> Müller & Collins, 1991 (0, 0, 1)  
*C. altus* Müller & Collins, 1991 (type)  
*Colpocaris*<sup>††</sup> Von Meyer, 1862 (0, 0, 1)  
*C. bullatus* (Von Meyer, 1862) (type)  
*Cretichlorodius*<sup>††</sup> Fraaye, 1996b (0, 0, 1)  
*C. enciensis* Fraaye, 1996b (type)

- Eoxanthias*<sup>††</sup> Hu & Tao, 1996 (0, 0, 1)  
*E. keelonicus* Hu & Tao, 1996 (type)
- Megaxantho*<sup>††</sup> Vega, Feldmann et al., 2001 (0, 0, 1)  
*M. zoque* Vega, Feldmann et al., 2001 (type)
- Muelleroplax*<sup>††</sup> ***nomen novum*** (= *Eoplax*<sup>††</sup> Müller & Collins, 1991) (0, 0, 2)  
*M. minima* (Müller & Collins, 1991) (type)  
*M. miniscula* (Beschlin, Busulini, De Angeli & Tessier, 2007)
- Paraxanthosia*<sup>††</sup> Müller & Collins, 1991 (0, 0, 2)  
*P. budensis* Müller & Collins, 1991 (type)  
*P. tuberculata* Beschlin et al., 2005
- Pilumnominus*<sup>††</sup> Müller & Collins, 1991 (0, 0, 1)  
*P. planidentatus* Müller & Collins, 1991 (type)
- Pregeryona*<sup>††</sup> Hu & Tao, 1996 (0, 0, 1)  
*P. taiwanica* Hu & Tao, 1996 (type)
- Prochlorodius*<sup>††</sup> Müller & Collins, 1991 (0, 0, 1)  
*P. ellipticus* Müller & Collins, 1991 (type)
- Styrioplax*<sup>††</sup> Glaessner, 1969 (= *Microplax* Glaessner, 1928) (0, 0, 1)  
*S. exiguus* (Glaessner, 1928) (type)
- Syphax*<sup>††</sup> A. Milne-Edwards, 1864 (0, 0, 1)  
*S. crassus* A. Milne-Edwards, 1864 (type)
- Thelecarcinus*<sup>††</sup> Böhm, 1922 (0, 0, 1)  
*T. guembeli* Böhm, 1922 (type)
- Thelphusograpsus* Lörenthey, 1902 (0, 0, 1)  
*T. laevis* Lörenthey, 1902 (type)
- “*Titanocarcinus*” *euglyphos* Bittner, 1875  
“*Titanocarcinus*” *mammillatus* Secretan, 1964  
“*Titanocarcinus*” *polonicus* Fraaye, 1994  
“*Titanocarcinus*” *sismondae* A. Milne-Edwards, 1864  
“*Titanocarcinus*” *zoellneri* Bachmayer & Mundlos, 1968  
“*Tumidocarcinus*” *foersteri* Aguirre-Urreta et al., 1995
- Wanga*<sup>††</sup> Hu & Tao, 1996 (0, 0, 1)  
*W. minuta* Hu & Tao, 1996 (type)
- Woodbinax*<sup>††</sup> Stenzel, 1952 (0, 0, 1)  
*W. texanus* Stenzel, 1952 (type)
- “*Xanthilites*” *traubi* Förster, 1970b

“*Xantho*” *edwardsi* Sismonda, 1846

“*Xanthosia*” [*sensu lato*] (0, 0, 13)

*X. americana* Rathbun, 1930b (type appears to be missing)

*X. buteonis* Wright & Collins, 1972

*X. danielae* Collins & Breton, 2009

*X. elegans* Roberts, 1962

*X. fischeri* (A. Milne-Edwards, 1862c)

*X. gracilis* Jakobsen & Collins, 1997

*X. occidentalis* Bishop, 1991

*X. robertsi* Secretan, 1982

*X. semiornata* Jagt et al., 1991

*X. socialis* Van Bakel, Fraaije & Jagt, 2005

*X. spinosa* Bishop, 1991

*X. zoquiapensis* Fraaije, Vega, Van Bakel & Garibay-Romero, 2006

*Xanthosoides*<sup>††</sup> Collins & Breton, 2009 (0, 0, 1)

*X. delicata* (Fraaye, 1996c) (type)

Superfamily Eriphioidea<sup>†</sup> MacLeay, 1838

Discussion. — We follow Karasawa & Schweitzer (2006) in defining the Eriphioidea and its constituent families.

**Eriphiidae**<sup>†</sup> MacLeay, 1838

*Eriphia*<sup>†</sup> Latreille, 1817b (6, 1, 2)

*E. cocchii*<sup>††</sup> Ristori, 1886

*E. gonagra xaymacaensis*<sup>††</sup> Collins & Donovan, 1997

*E. verrucosa*<sup>†</sup> (Forskål, 1775) [= *E. spinifrons* (Herbst, 1782)]

**Hypothalassiidae**<sup>†</sup> Karasawa & Schweitzer, 2006

*Lathahypossia*<sup>††</sup> Schweitzer, Artal et al., 2007 (0, 0, 1)

*L. aculeata* (Busulini et al., 1984) (type)

**Oziidae**<sup>†</sup> Dana, 1851b

*Epixanthus*<sup>†</sup> Heller, 1862 (4, 1, 0)

*E. frontalis*<sup>†</sup> (H. Milne Edwards, 1834 [in 1834-1840])

*Lydia*<sup>†</sup> Gistel, 1848 (3, 0, 1)

*L. kianobesana*<sup>††</sup> Hu, 1983

*Menippe*<sup>†</sup> De Haan, 1833 (4, 2, 8)

*M. brevimanus*<sup>††</sup> Rathbun, 1945

*M. burnsi*<sup>††</sup> Rathbun, 1935a

*M. cretacea*<sup>††</sup> Rathbun, 1935a (probably not *Menippe*)

*M. floridana*<sup>††</sup> Rathbun, 1935a

*M. frescoensis*<sup>††</sup> Remy, 1960

*M. mercenaria*<sup>†</sup> (Say, 1818)

*M. nodifrons*<sup>†</sup> Stimpson, 1862a

*M. oceanica*<sup>††</sup> Rathbun, 1945

*M. jakesonensis*<sup>††</sup> Rathbun, 1935a

*M. anomala*<sup>††</sup> Rathbun, 1935a

*Ozius*<sup>†</sup> H. Milne Edwards, 1834 [in 1834-1840] (13, 0, 1)

*O. collinsi*<sup>††</sup> Karasawa, 1992b

*Pseudocarcinus*<sup>†</sup> H. Milne Edwards, 1834 [in 1834-1840]  
(0, 1, 0)

*P. gigas*<sup>†</sup> (Lamarck, 1818)

**Platyxanthidae**<sup>†</sup> Guinot, 1977

*Pelaeus*<sup>†</sup> Eydoux & Souleyet, 1842 (1, 0, 1)

*P. chauvini*<sup>††</sup> (de Berville, 1857)

**Pseudoziidae**<sup>†</sup> Alcock, 1898

*Archaeozius*<sup>††</sup> Schweitzer, 2003 (0, 0, 1)

*A. occidentalis* (Schweitzer et al., 2000) (type)

*Euryozius*<sup>†</sup> Miers, 1886 (6, 0, 2)

*E. angustus*<sup>††</sup> Karasawa, 1993

*E. bidentatus*<sup>††</sup> Karasawa, 1993

*Priabonocarcinus*<sup>††</sup> Müller & Collins, 1991 (0, 0, 1)

*P. gallicus* Müller & Collins, 1991 (type)

*Santeexanthus*<sup>††</sup> Blow & Manning, 1996 (0, 0, 1)

*S. wardi* Blow & Manning, 1996 (type)

*Tongapapaka*<sup>††</sup> Feldmann, Schweitzer & McLaughlin,  
2006 (0, 0, 1)

*T. motunauensis* Feldmann et al., 2006 (type)

Superfamily Goneplacoidea<sup>†</sup> MacLeay, 1838

Family **Acidopsidae** Števcíć, 2005

No fossil representatives

**Carinocarcinoididae**<sup>††</sup> Karasawa & Kato, 2003

*Bicarinocarcinus*<sup>††</sup> Glaessner & Secretan, 1987 (0, 0, 2)

*B. collinsi* Glaessner & Secretan, 1987 (type)

*B. tumidus* Collins et al., 2003

*Carinocarcinoides*<sup>††</sup> Karasawa & Fudouji, 2000 (0, 0, 2)

*C. angustifrons* (Karasawa, 1993) (type)

*C. carinatus* Karasawa & Fudouji, 2000

**Chasmocarcinidae**<sup>†</sup> Serène, 1964

Subfamily Chasmocarcininae<sup>†</sup> Serène, 1964

*Chasmocarcinus*<sup>†</sup> Rathbun, 1898b (15, 0, 3)

*C. guerini*<sup>††</sup> (Vía, 1959)

*C. robertsi*<sup>††</sup> Blow & Bailey, 1992

*C. seymourensis*<sup>††</sup> Feldmann & Zinsmeister, 1984b

*Collinsius*<sup>††</sup> Karasawa, 1993 (0, 0, 1)

*C. simplex* Karasawa, 1993 (type)

*Falconoplax*<sup>††</sup> Van Straelen, 1933b (0, 0, 2)

*F. bicarinella* Collins & Morris, 1976

*F. kugleri* Van Straelen, 1933b (type)

*Gillcarcinus*<sup>††</sup> Collins & Morris, 1978 (0, 0, 1)

*G. amphora* Collins & Morris, 1978 (type)

*Mioplax*<sup>††</sup> Bittner, 1884 (0, 0, 1)

*M. socialis* Bittner, 1884 (type)

*Orthakrolophos*<sup>††</sup> Schweitzer & Feldmann, 2001b (0, 0, 3)

*O. bartonensis* (Quayle & Collins, 1981)

*O. bittneri* (Morris & Collins, 1991)

*O. depressus* (Quayle & Collins, 1981) (type)

Subfamily Megaesthesiinae Števcíć, 2005

No fossil representatives

Subfamily Troglolacinae Guinot, 1986

No fossil representatives

**Conleyidae** Števcíć, 2005

No fossil representatives

**Euryplacidae**<sup>†</sup> Stimpson, 1871a

*Chirinocarcinus*<sup>††</sup> Karasawa & Schweitzer, 2004 (0, 0, 1)

*C. wichmanni* (Feldmann, Casadío et al., 1995) (type)

*Chlinocephalus*<sup>††</sup> Ristori, 1886 (0, 0, 2)

*C. demissifrons* Ristori, 1886 (type) (= *Titanocarcinus sculptus* Ristori, 1891a)

*C. subovalis* (Ristori, 1886)

*Corallicarcinus*<sup>††</sup> Müller & Collins, 1991 (0, 0, 2)

*C. planus* Müller & Collins, 1991

*C. spinosus* (Lörenthey in Lörenthey & Beurlen, 1929) (type)

*Eucrate*<sup>†</sup> De Haan, 1835 (11, 1, 2)

- E. crenata*<sup>†</sup> De Haan, 1835  
*E. martini*<sup>††</sup> Rathbun, 1926b  
*E. puliensis*<sup>††</sup> Hu & Tao, 1996  
*Euryplax*<sup>†</sup> Stimpson, 1862a (3, 0, 1)  
*E. culebrensis*<sup>††</sup> Rathbun, 1918  
*Orbitoplax*<sup>††</sup> Tucker & Feldmann, 1990 (0, 0, 3)  
*O. plafkeri* Tucker & Feldmann, 1990 (type)  
*O. tuckerae* Schweitzer, 2000  
*O. weaveri* (Rathbun, 1926b)  
*Palaeopsopheticus*<sup>††</sup> Hu & Tao, 1996 (0, 0, 1)  
*P. shujenae* Hu & Tao, 1996 (type)  
*Simonellia*<sup>††</sup> Vinassa de Regny, 1897 (0, 0, 1)  
*S. quircensis* Vinassa de Regny, 1897 (type)  
*Stoaplax*<sup>††</sup> Vega, Cosma et al., 2001 (0, 0, 1)  
*S. nandachare* Vega, Cosma et al., 2001 (type)  
*Viaplax*<sup>††</sup> Karasawa & Kato, 2003 (0, 0, 1)  
*V. urpiniana* (Vía, 1959) (type)
- Goneplacidae**<sup>†</sup> MacLeay, 1838
- Amydrocarcinus*<sup>††</sup> Schweitzer, Feldmann, González-Barba & Vega, 2002 (0, 0, 1)  
*A. dantei* Schweitzer et al., 2002 (type)  
*Carcinoplax*<sup>†</sup> H. Milne Edwards, 1852 *sensu lato* (19, 2, 12)  
*C. antiqua*<sup>††</sup> (Ristori, 1889b) (= *C. senecta* Imaizumi, 1961)  
*C. granulimana*<sup>††</sup> Karasawa & Inoue, 1992  
*C. imperfecta*<sup>††</sup> Karasawa & Inoue, 1992  
*C. longimana*<sup>†</sup> (De Haan, 1833)  
*C. mongosungi*<sup>††</sup> Hu & Tao, 1985  
*C. prepurpurea*<sup>††</sup> Hu & Tao, 2000  
*C. prisca*<sup>††</sup> Imaizumi, 1961 (= *Pilumnoplax petrificus* Hu & Tao, 1996)  
*C. proavita*<sup>††</sup> (Glaessner, 1960)  
*C. purpurea*<sup>†</sup> Rathbun, 1914 (= *C. liniae* Hu & Tao, 1996)  
*C. shukumi*<sup>††</sup> Hu & Tao, 1985  
*C. temikoensis*<sup>††</sup> Feldmann & Maxwell, 1990  
*C. thongi*<sup>††</sup> Hu & Tao, 1985

- C. tsengi*<sup>††</sup> Hu & Tao, 1996  
*C. wuhsini*<sup>††</sup> Hu & Tao, 1999  
*Goneplax*<sup>†</sup> Leach, 1814 (3, 1, 5)  
*G. arenicola*<sup>††</sup> (Glaessner, 1960)  
*G. ? carnuntinus*<sup>††</sup> (Bachmayer, 1953 [imprint 1951])  
*G. craverii*<sup>††</sup> Crema, 1895  
*G. formosa*<sup>††</sup> Ristori, 1886 (= *G. meneghini* Ristori, 1886)  
*G. rhomboides*<sup>†</sup> (Linnaeus, 1758)  
*G. saccoi*<sup>††</sup> Crema, 1895 (= *G. gulderi* Bachmayer, 1953b)  
*Icriocarcinus*<sup>††</sup> Bishop, 1988c (0, 0, 1)  
*I. xestos* Bishop, 1988c (type)  
*Kowaicarcinus*<sup>††</sup> Feldmann, Schweitzer, Maxwell & Kelley, 2008 (0, 0, 1)  
*K. maxwellae* Feldmann et al., 2008 (type)  
*Magyarcarcinus*<sup>††</sup> Schweitzer & Karasawa, 2004 (0, 0, 1)  
*M. loczyanus* (Lőrenthey, 1898a) (type)  
*Ommatocarcinus*<sup>†</sup> White, 1852 (3, 1, 4)  
*O. arenicola*<sup>††</sup> Glaessner, 1960  
*O. corioensis*<sup>††</sup> (Creswell, 1886)  
*O. macgillivrayi*<sup>†</sup> White, 1852  
*O. sankuei*<sup>††</sup> Hu & Tao, 2004  
*O. taiwanicus*<sup>††</sup> Hu & Tao, 1996  
*Psopheticus*<sup>†</sup> Wood-Mason, 1892 (3, 1, 1)  
*P. shujenae*<sup>††</sup> (Hu & Tao, 1996)  
*P. stridulans*<sup>†</sup> Wood-Mason, 1892  
**Hexapodidae**<sup>†</sup> Miers, 1886  
*Goniocyopoda*<sup>††</sup> Woodward, 1867 (0, 0, 10)  
*G. collinsi* Crane & Quayle, 1986  
*G. edwardsi* Woodward, 1867 (type)  
*G. elmorensis* Crane & Quayle, 1986  
*G. quaylei* Crane, 1981  
*G. rajasthanica* Glaessner & Rao, 1960  
*G. sindensis* Glaessner, 1933b  
*G. sulcata* Carter, 1898  
*G. transsilvanica* Bittner, 1893  
*G. tessieri* Remy in Remy & Tessier, 1954



- G. verheyeni* Fraaije, Van Bakel & Jagt, 2007  
*Hexapus*<sup>†</sup> De Haan, 1833 (4, 1, 4)  
*H. anfractus*<sup>†</sup> (Rathbun, 1909)  
*H. decapoda*<sup>††</sup> (Morris & Collins, 1991)  
*H. granuliformis*<sup>††</sup> Karasawa & Kato *in* Karasawa et al.,  
 2008  
*H. nakajimai*<sup>††</sup> Imaizumi, 1959b  
*H. pinfoldi*<sup>††</sup> Collins & Morris, 1978  
*Palaeopinnixa*<sup>††</sup> Vía, 1966a (0, 0, 10)  
*P. eocenica* (Woods, 1922)  
*P. granulosa* Schweitzer & Feldmann, 2002  
*P. heckeri* (Birshtein, 1956)  
*P. intermedia* (Collins & Morris, 1976)  
*P. mytilicola* Vía, 1966 (type)  
*P. perornata* Collins & Morris, 1976  
*P. prima* (Rathbun, 1918)  
*P. rathbunae* Schweitzer et al., 2000  
*P. rocaensis* (Feldmann, Casadío et al., 1995)  
*P. rotunda* Schweitzer & Feldmann, 2001b  
*Stexea*<sup>†</sup> Manning & Holthuis, 1981 (1, 0, 1)  
*S. cesarii*<sup>††</sup> Beschin et al., 1994
- Litocheiridae**<sup>†</sup> Števíć, 2005  
*Gollincarcinus*<sup>††</sup> Beschin & De Angeli, 2004 (0, 0, 1)  
*G. levis* Beschin & De Angeli, 2004 (type)  
*Lessinioplax*<sup>††</sup> Beschin & De Angeli, 2004 (0, 0, 2)  
*L. rugosa* Beschin & De Angeli, 2004  
*L. simplex* Beschin & De Angeli, 2004 (type)  
*Maingrapsus*<sup>††</sup> Tessier et al., 1999 (0, 0, 1)  
*M. quadratus* Tessier et al., 1999 (type)  
*Paracorallincarcinus*<sup>††</sup> Tessier et al., 1999 (0, 0, 2)  
*P. arcanus* Tessier et al., 1999 (type)  
*P. tricarinatus* Schweitzer, Feldmann, Gonzáles-Barba  
 & Čosović, 2006
- Martinocarcinidae**<sup>††</sup> Schweitzer, Feldmann & Bonadio, 2009  
*Martinocarcinus*<sup>††</sup> Böhm, 1922 (0, 0, 1)  
*M. ickeae* (Böhm, 1922) (type)
- Mathildellidae**<sup>†</sup> Karasawa & Kato, 2003  
*Branchioplax*<sup>††</sup> Rathbun, 1916 (0, 0, 10)

- B. albertii* De Angeli & Beschin, 2002  
*B. ballingi* Remy in Remy & Tessier, 1954  
*B. ? bidentata* Birshstein, 1956  
*B. carmanahensis* (Rathbun, 1926b)  
*B. concinna* Quayle & Collins, 1981  
*B. parva* Beschin, Busulini, De Angeli & Tessier, 2007  
*B. pentagonalis* (Yokoyama, 1911)  
*B. rossii* De Angeli & Beschin, 2008  
*B. sulcata* Müller & Collins, 1991  
*B. washingtoniana* Rathbun, 1916 (type) (= *Neopilumnoplax hannibalanus* Rathbun, 1926b)  
*Coeloma*<sup>††</sup> A. Milne-Edwards, 1865c (only confirmed species listed) (0, 0, 6)  
*C. balticum* Schlüter, 1879  
*C. granulosum* A. Milne-Edwards, 1881b  
*C. latifrons* Förster & Mundlos, 1982  
*C. macoveii* Lăzărescu, 1959  
*C. taunicum* Von Meyer, 1862  
*C. vigil* A. Milne-Edwards, 1865c (type)  
*Coeloma* [*sensu lato*] (incl. *Litoricola* Woodward, 1873) (0, 0, 13)  
*C. bicarinatum* Ravn, 1903  
*C. birsteini* Ilyin, 2005  
*C. credneri* Noetling, 1881  
*C. dentatum* Woodward, 1873  
*C. egerense* Lörenthey in Lörenthey & Beurlen, 1929  
*C. glabra* (Woodward, 1873) (type of *Litoricola*)  
*C. incarinatum* Sorgenfrei, 1940  
*C. isseli* Ristori, 1886  
*C. macrodactylus* (Van Straelen, 1925)  
*C. (Litoricola) martinezensis* Rathbun, 1926b  
*C. rupeliense* Stainier, 1887  
*C. sanatium* Ristori, 1886  
*C. vareolata* Lörenthey, 1898b  
*Tehuacana*<sup>††</sup> Stenzel, 1944b (0, 0, 3)  
*T. tehuacana* Stenzel, 1944b (type)  
*T. schweitzerae* Vega et al., 2008  
*T. ? meridionalis* (Secretan, 1961)

**Progeryonidae** Števcíć, 2005

No fossil representatives

**Scalopidiidae** Števcíć, 2005

No fossil representatives

**Vultocinidae** Ng & Manuel-Santos, 2007

No fossil representatives

## Superfamily Bellioidea Dana, 1852a

Family **Belliidae**<sup>†</sup> Dana, 1852a

## Subfamily Belliinae Dana, 1852a

No recorded fossils

## Subfamily Heteroziinae Števcíć, 2005

No recorded fossils

## Superfamily Potamoidea Ortmann, 1896

**Potamidae**<sup>†</sup> Ortmann, 1896Subfamily Potaminae<sup>†</sup> Ortmann, 1896*Potamon*<sup>†</sup> Savigny, 1816 (17, 0, 6)*P. antiquum*<sup>††</sup> Szombathy, 1916*P. castellinense*<sup>††</sup> (Szombathy, 1916)*P. ibericum*<sup>††</sup> Bachmayer & Pretzmann, 1971*P. quenstedti*<sup>††</sup> (Zittel, 1885)*P. sivalense*<sup>††</sup> Glaessner, 1933b*P. speciosum*<sup>††</sup> (Von Meyer, 1862)Subfamily Potamiscinae<sup>†</sup> Bott, 1970*Geothelphusa*<sup>†</sup> Stimpson, 1858c (48, 2, 0)*G. dehaani*<sup>†</sup> (White, 1847b)*G. tenuimanus*<sup>†</sup> (Miyake & Minei, 1965)**Potamonautidae**<sup>†</sup> Bott, 1970

## Subfamily Hydrothelphusinae Bott, 1955

No fossil representatives

Subfamily Potamonautinae<sup>†</sup> Bott, 1970*Potamonautes*<sup>†</sup> MacLeay, 1838 (70, 1, 1)*P. niloticus*<sup>†</sup> (H. Milne Edwards, 1837 [in 1834-1840])*P. tugenensis*<sup>††</sup> Morris, 1976*Tanzanonautes*<sup>††</sup> Feldmann et al., 2007 (0, 0, 1)*T. tuerkai* Feldmann et al., 2007 (type)

## Superfamily Pseudothelphusoidea Ortmann, 1893

Family **Pseudothelphusidae**<sup>†</sup> Ortmann, 1893

## Subfamily Epilobocerinae Smalley, 1964

- No fossil representatives
- Subfamily Pseudothelphusinae<sup>†</sup> Ortmann, 1893
- Questionable fossil record
- Superfamily Gecarcinucoidea Rathbun, 1904b
- Family **Gecarcinucidae** Rathbun, 1904b
- No fossil representatives
- Superfamily Cryptochiroidea Paul'son, 1875
- Family **Cryptochiridae** Paul'son, 1875
- No fossil representatives
- Subsection Thoracotremata Guinot, 1977
- Superfamily Pinnotheroidea De Haan, 1833
- Family **Pinnotheridae**<sup>†</sup> De Haan, 1833
- Subfamily Pinnothereliinae<sup>†</sup> Alcock, 1900b
- Pinnixa*<sup>†</sup> White, 1846 (54, 1, 7)
- P. aequipunctata*<sup>††</sup> Morris & Collins, 1991
- P. faba*<sup>†</sup> (Dana, 1851f)
- P. galliheri*<sup>††</sup> Rathbun, 1932c
- P. microgranulosa*<sup>††</sup> Collins et al., 2003
- P. miocenica*<sup>††</sup> Rathbun, 1932c
- P. montereyensis*<sup>††</sup> Rathbun, 1932c
- P. navidadensis*<sup>††</sup> Feldmann et al., 2005
- P. omega*<sup>††</sup> Morris & Collins, 1991
- Subfamily Pinnotherinae<sup>†</sup> De Haan, 1833
- Pinnotheres*<sup>†</sup> Bosc, 1802 (72, 0, 3?)
- P. ? araucana*<sup>††</sup> Philippi, 1887
- P. ? elatus*<sup>††</sup> A. Milne-Edwards, 1873a
- P. ? promaucanaus*<sup>††</sup> Philippi, 1887
- Viapinnixa*<sup>††</sup> Schweitzer & Feldmann, 2001b (0, 0, 3)
- V. alvarezi* Vega, Cosma et al., 2001
- V. nodosa* (Collins & Rasmussen, 1992) (type)
- V. perrilliatae* Vega, Nyborg et al., 2007
- Zaops*<sup>†</sup> Rathbun, 1900 (1, 1, 0)
- Z. ostreus*<sup>†</sup> (Say, 1817)
- Incertae sedis
- Propinnotheroides*<sup>††</sup> Bishop & Palmer, 2006
- P. orangeburgensis*<sup>††</sup> Bishop & Palmer, 2006 (type)
- Superfamily Ocypodoidea Rafinesque, 1815
- Family **Camptandriidae**<sup>†</sup> Stimpson, 1858c

*Paracleistostoma*<sup>†</sup> De Man, 1895 (8, 0, 1)

*P. miocaenica*<sup>††</sup> Müller, 1998

**Dotillidae** Stimpson, 1858c

No fossil representatives

**Heloeiidae** H. Milne Edwards, 1852

No fossil representatives

**Macrophthalmidae**<sup>†</sup> Dana, 1851f

Subfamily Ilyograpsinae Števcíć, 2005

No fossil representatives

Subfamily Macrophthalminae<sup>†</sup> Dana, 1851f

*Macrophthalmus*<sup>†</sup> Latreille in Desmarest, 1823 (= *Cyphoplax*<sup>††</sup> Haime, 1855; *Palaeoplax*<sup>††</sup> A. Milne-Edwards & Brocchi, 1879) (subgenera not identified) (45, 7, 3)

*M. aquensis*<sup>††</sup> A. Milne-Edwards & Brocchi, 1879  
(= *M. vindobonensis*<sup>††</sup> Glaessner, 1924)

*M. depressus*<sup>†</sup> Rüppell, 1830

*M. japonicus*<sup>†</sup> (De Haan, 1835)

*M. latifrons*<sup>†</sup> Haswell, 1882

*M. latreillei*<sup>†</sup> (Desmarest, 1822) (= *Cyphoplax impressa* Desmarest, 1822; *C. incerta*<sup>††</sup> Desmarest, 1822; *C. incisus*<sup>††</sup> Desmarest, 1822; *M. granulosus*<sup>†</sup> De Man, 1904; *M. officinalis*<sup>††</sup> Hu & Tao, 1979)

*M. leptophthalmus*<sup>†</sup> (H. Milne Edwards, 1852)  
(= *M. taiwanicus*<sup>††</sup> Hu & Tao, 1996)

*M. serratus*<sup>†</sup> Adams & White, 1848

*M. setosus*<sup>†</sup> H. Milne Edwards, 1852

*M. viat*<sup>††</sup> Karasawa & Inoue, 1992

Subgenera identified:

*M. (Hemiplax)* Heller, 1865 (0, 1, 1)

*M. (H.) hirtipes*<sup>†</sup> Heller, 1865

*M. (H.) major*<sup>††</sup> Glaessner, 1960

*M. (Mareotis)* Barnes, 1967 (1 fossil)

*M. (M.) wilfordi*<sup>††</sup> Morris & Collins, 1991

Subfamily Tritodynamiinae<sup>†</sup> Števcíć, 2005

*Tritodynamia*<sup>†</sup> Ortmann, 1894 (7, 0, 1)

*T. miocaenica*<sup>††</sup> Müller, 2006

**Mictyridae** Dana, 1851f

No fossil representatives

**Ocypodidae**<sup>†</sup> Rafinesque, 1815Subfamily Ocypodinae<sup>†</sup> Rafinesque, 1815*Ocypode*<sup>†</sup> Weber, 1795 (23, 3, 1)*O. cf. O. africana*<sup>†</sup> De Man, 1881*O. cursor*<sup>†</sup> (Linnaeus, 1758)*O. quadrata*<sup>†</sup> (Fabricius, 1787) [= *O. albicans*<sup>†</sup> Bosc, 1802]*O. vericoncava*<sup>††</sup> Casadío et al., 2005Subfamily Ucininae<sup>†</sup> Dana, 1851f*Uca*<sup>†</sup> Leach, 1814 (92, 4, 6)*U. antiqua*<sup>††</sup> Brito, 1972*U. galapagensis*<sup>†</sup> Rathbun, 1902b [= *Gelasimus macrodactylus* H. Milne Edwards & Lucas, 1843]*U. hamlini*<sup>††</sup> Rathbun, 1926b*U. inaciobritoi*<sup>††</sup> Martins-Neto, 2001*U. maracoani*<sup>†</sup> (Latreille, 1802)*U. miocenica*<sup>††</sup> Artal, 2007*U. nitida*<sup>††</sup> (Desmarest, 1822)*U. oldroydi*<sup>††</sup> Rathbun, 1926b*U. pugnax*<sup>†</sup> (Smith, 1870)*U. subcylindrica*<sup>†</sup> (Stimpson, 1862a)**Ucididae** Števcíć, 2005

No fossil representatives

**Xenophthalmidae**<sup>†</sup> Stimpson, 1858c

Subfamily Anomalifrontinae Rathbun, 1929c

No fossil representatives

Subfamily Xenophthaminae<sup>†</sup> Stimpson, 1858c*Xenophthalmus*<sup>†</sup> White, 1846 (2, 0, 1)*X. subitus*<sup>††</sup> Morris & Collins, 1991Superfamily Palicoidea<sup>†</sup> Bouvier, 1898Family **Crossotonotidae**<sup>†</sup> Moosa & Serène, 1981*Crossotonotus*<sup>†</sup> A. Milne-Edwards, 1873c (4, 0, 1)*C. diosdensis*<sup>††</sup> Müller, 1984a**Palicidae**<sup>†</sup> Bouvier, 1898*Eopalicus*<sup>††</sup> Beschin, Busulini, De Angeli & Tessier, 1996b (0, 0, 3)*E. imbricatus* De Angeli & Beschin, 2000*E. semicarinatus* De Angeli & Beschin, 2000

- E. squamosus* Beschin et al., 1996b (type)  
*Palicus*<sup>†</sup> Philippi, 1838 (23, 0, 1)  
*P. hungaricus*<sup>††</sup> Müller, 2006  
*Spinipalicus*<sup>††</sup> Beschin & De Angeli, 2003 (0, 0, 1)  
*S. italicus* Beschin & De Angeli, 2003 (type)
- Superfamily Grapsoidea MacLeay, 1838  
 Family **Gecarcinidae**<sup>†</sup> MacLeay, 1838  
*Cardisoma*<sup>†</sup> Latreille, 1825 (3, 1, 1)  
*C. guanhumii*<sup>†</sup> Latreille, 1828  
*C. planum*<sup>††</sup> Rathbun, 1945
- Glyptograpsidae** Schubart, Cuesta & Felder, 2002  
 No fossil representatives
- Grapsidae**<sup>†</sup> MacLeay, 1838  
*Litograpsus*<sup>††</sup> Schweitzer & Karasawa, 2004 (0, 0, 1)  
*L. parvus* (Müller & Collins, 1991) (type)  
*Metopograpsus*<sup>†</sup> H. Milne Edwards, 1853 (6, 0, 1)  
*M. badenis*<sup>††</sup> Müller, 2006  
*Miograpsus*<sup>††</sup> Fleming, 1981 (0, 0, 1)  
*M. papaka* Fleming, 1981 (type)  
*Pachygrapsus*<sup>†</sup> Randall, 1839 (14, 0, 1)  
*P. hungaricus*<sup>††</sup> Müller, 1974b  
*Planes*<sup>†</sup> Bowditch, 1825 (3, 0, 1)  
*P. prior*<sup>††</sup> (Smirnov, 1929)
- Plagusiidae** Dana, 1851f  
 No fossil representatives
- Sesarmidae**<sup>†</sup> Dana, 1851f  
*Neosarmatium*<sup>†</sup> Serène & Soh, 1970 (15, 1, 0)  
*N. smithi*<sup>†</sup> (H. Milne Edwards, 1853)  
*Sesarma*<sup>†</sup> Say, 1817 (17, 0, 2)  
*S. paraensis*<sup>††</sup> Beurlen, 1958a  
*S. primigenium*<sup>††</sup> Collins et al., 2009
- Varunidae**<sup>†</sup> H. Milne Edwards, 1853  
 Subfamily Asthenognathinae<sup>†</sup> Stimpson, 1858c  
*Asthenognathus*<sup>†</sup> Stimpson, 1858c (4, 0, 6)  
*A. cornishorum*<sup>††</sup> Schweitzer & Feldmann, 1999  
*A. globosa*<sup>††</sup> (Karasawa, 1990)  
*A. laverdensis*<sup>††</sup> De Angeli & Garassino, 2006b  
*A. microspinus*<sup>††</sup> Casadío et al., 2004

- A. rakosensis*<sup>††</sup> Müller, 2006  
*A. urretae*<sup>††</sup> Schweitzer & Feldmann, 2001b  
*Globihexapus*<sup>††</sup> Schweitzer & Feldmann, 2001b (0, 0, 2)  
*G. kosekii* Kato, 2005  
*G. paxillus* Schweitzer & Feldmann, 2001b (type)
- Subfamily Cyclograpsinae H. Milne Edwards, 1853
- Austrohelice*<sup>†</sup> Sakai, Türkay & Yang, 2001 (1, 0, 1)  
*A. manneringi*<sup>††</sup> Feldmann, Schweitzer, Maxwell & Kelley, 2008
- Cyclograpsus*<sup>†</sup> H. Milne Edwards, 1837 [in 1834-1840] (18, 0, 3)
- C. directus*<sup>††</sup> Karasawa, 1989  
*C. lwangi*<sup>††</sup> Hu & Tao, 1999  
*C. rectangularis*<sup>††</sup> Karasawa, 1989
- Miosesarma*<sup>††</sup> Karasawa, 1989 (0, 0, 2)
- M. japonicum* Karasawa, 1989 (type)  
*M. naguraense* Kato, 1996
- Subfamily Gaeticinae Davie & Ng, 2007
- Sestrostoma*<sup>†</sup> Davie & Ng, 2007 (3, 0, 1)  
*S. hichiro*<sup>††</sup> (Karasawa & Tanaka, 2005)
- Subfamily Thalassograpsinae Davie & Ng, 2007
- No fossil representatives
- Subfamily Varuninae<sup>†</sup> H. Milne Edwards, 1853
- Brachynotus*<sup>†</sup> De Haan, 1833 (4, 0, 2)  
*B. corallinus*<sup>††</sup> Beschin, Busulini, De Angeli & Tessier, 2007  
*B. februaryus*<sup>††</sup> Müller, 1974b
- Eriocheir*<sup>†</sup> De Haan, 1835 (3, 1, 0)  
*E. japonica*<sup>†</sup> (De Haan, 1835)
- Hemigrapsus*<sup>†</sup> Dana, 1851f (12, 2, 0)  
*H. nudus*<sup>†</sup> (Dana, 1851f)  
*H. oregonensis*<sup>†</sup> (Dana, 1851f)
- Utica*<sup>†</sup> White, 1847d (7, 2, 0)  
*U. haswelli*<sup>†</sup> Wintle, 1886  
*U. yarraensis*<sup>†</sup> Wintle, 1886
- Xenograpsidae** Ng, Davie, Schubart & Ng, 2007
- No fossil representatives
- Fossil grapsoid genera not assigned to family



- Daragrapsus*<sup>††</sup> Müller & Collins, 1991 (0, 0, 1)  
    *D. trispinosus* Müller & Collins, 1991 (type)
- Daranyia*<sup>††</sup> Lőrenthey, 1901 (0, 0, 2)  
    *D. fabianii* Di Salvo, 1933  
    *D. granulata* Lőrenthey, 1901a (type)
- Pseudodaranyia*<sup>††</sup> Tessier, Beschin, Busulini & De An-  
    geli, 1999 (0, 0, 1)  
    *P. carinata* Tessier et al., 1999 (type)
- Grapsus dubius* Desmarest, 1822

**Incertae sedis**

- Anaglyptus*<sup>††</sup> A. Milne-Edwards, 1873a (0, 0, 1)  
*A. delfortrei* A. Milne-Edwards, 1873a (type)
- Aulacopodia*<sup>††</sup> Bosquet, 1854 (0, 0, 1)  
*A. riemsdyki* Bosquet, 1854 (type)
- Brome*<sup>††</sup> Münster, 1839 (0, 0, 1)  
*B. ventrosa* Münster, 1839 (type)
- Cardirhynchus*<sup>††</sup> Schlüter, 1862 (0, 0, 1)  
*C. spinosus* Schlüter, 1862 (type)
- Eurycarpus*<sup>††</sup> Schlüter in Schlüter & Von der Marck, 1868 (0, 0, 1)  
*E. nanodactylus* Schlüter in Schlüter & Von der Marck, 1868 (type)
- Homelys*<sup>††</sup> Von Meyer, 1862 (0, 0, 1) (Palaemonidae?)  
*H. minor* Von Meyer, 1862 (type)
- Lambropsis*<sup>††</sup> Lörenthey, 1909b (0, 0, 1)  
*L. wanneri* Lörenthey, 1909b (type)
- Liocaris*<sup>††</sup> Van Straelen, 1924 [imprint 1925] (0, 0, 1)  
*L. quadratus* Van Straelen, 1924 [imprint 1925] (type)
- Lissopsis*<sup>††</sup> Fritsch & Kafka, 1887 (0, 0, 1)  
*L. transiens* Fritsch & Kafka, 1887 (type)
- Lupeites*<sup>††</sup> Fritsch & Kafka, 1887 (0, 0, 1)  
*L. granulatus* Fritsch & Kafka, 1887 (type)
- Microcorystes*<sup>††</sup> Lörenthey in Lörenthey & Beurlen, 1929 (0, 0, 1) (junior  
 homonym of *Microcorystes* Fritsch, 1893; Lörenthey in Lörenthey  
 & Beurlen, 1929, specimen is lost according to Glaessner, 1969)  
*M. latifrons* Lörenthey in Lörenthey & Beurlen, 1929 (type)
- Oedisoma*<sup>††</sup> Bell, 1858 (0, 0, 1)  
*O. ambiguum* Bell, 1858 (type)
- Olinaecaris*<sup>††</sup> Van Straelen, 1924 [imprint 1925] (0, 0, 1)  
*O. carinatus* Van Straelen, 1924 [imprint 1925] (type)
- Phalangites*<sup>††</sup> Münster, 1839 (0, 0, 1) (possibly larva of *Palinurina*)  
*P. priscus* Münster, 1839 (type)
- Psammograpsus*<sup>††</sup> A. Milne-Edwards, 1860 (0, 0, 1)  
*P. parisiensis* A. Milne-Edwards, 1860 (type)
- Pseudomicippe*<sup>††</sup> Pelseneer, 1886c (0, 0, 1)  
*P. granulosa* Pelseneer, 1886c (type)
- Roemerus*<sup>††</sup> Bishop, 1983a (0, 0, 1)  
*R. robustus* Bishop, 1983a (type)
- Secretanella*<sup>††</sup> Guinot & Tavares, 2001 (0, 0, 1)

*S. arcuata* (Secretan, 1964) (type)

*Tiche*<sup>††</sup> Von der Marck, 1863 (0, 0, 1)

*T. astaciformis* Von der Marck, 1863 (type)

*Vanua*<sup>††</sup> Rathbun, 1945 (0, 0, 1)

*V. linearis* Rathbun, 1945 (type)

*Wulaicarcinus*<sup>††</sup> Hu & Tao, 1996 (0, 0, 1)

*W. micronus* Hu & Tao, 1996 (type)

\**Hasaracancer* was originally referred to the Raninidae (Jux, 1971). Based upon examination of the illustrations, the genus was later moved to the Necrocarcinidae (Schweitzer, Feldmann et al., 2003). Examination of casts of the holotype (BSP 1988III147) of *Hasaracancer cristatus* Jux, 1971, the sole species, deposited in Bayerische Staatssammlung für Paläontologie und Geologie, Munich, suggests that it is more likely a member of the Coleidae.

\*\*Examination of the holotype of *Sagittiformosus carabus* Bishop, 1988b (USNM 418277) indicates that it is a broken carapace referable to *Cenomanocarcinus*, due to its possession of diagnostic rows of tubercles and the Y-shaped pattern of protogastric and mesogastric regions (Schweitzer, Feldmann et al., 2003).

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