

## CRUSTACEA OSTRACODA

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La classe Ostracoda comprende crostacei di piccole dimensioni, prevalentemente comprese tra 0.2 e 30 mm di lunghezza, capaci di vivere in qualsiasi ambiente acquatico, dalle profondità oceaniche alle sorgenti idrotermali, ed eccezionalmente in ambienti continentali molto umidi. La maggior parte degli ostracodi sono bentonici ma un certo numero di specie trascorre nella colonna d'acqua l'intero ciclo vitale o soltanto una sua parte.

Una stima approssimativa indica come maggiore di 20.000 il numero delle specie viventi, delle quali ne sono state finora descritte circa 8.000. Gli ostracodi sono dotati di un carapace bivalve composto di calcite basso-magnesiaca che può restare ben conservato in sedimenti recenti o antichi, quindi molte specie sono conosciute esclusivamente attraverso le loro parti resistenti e le forme esclusivamente fossili, presenti a partire dal Paleozoico inferiore, sopravanzano largamente quelle attuali, con circa 25.000 specie note (Horne *et al.*, 2002).

Nei mari italiani vivono specie appartenenti ad entrambe le sottoclassi attualmente viventi, Myodocopa, con gli ordini Myodocopida e Halocyprida, e Podocopa, con gli ordini Platycopida e Podocopida, mentre l'ordine Paleocopida, largamente diffuso nel Paleozoico ma che è rappresentato attualmente da un ridottissimo numero di taxa, non è mai stato rinvenuto nel Mediterraneo.

L'analisi critica delle segnalazioni riportate in letteratura ha permesso di ritenere effettivamente viventi nelle acque marine italiane 377 specie di ostracodi appartenenti a 102 differenti generi. Va considerato che la distribuzione areale dei dati disponibili non è omogenea, poiché alcune aree sono state privilegiate nello studio degli ostracodi. L'Adriatico (zone 7-9) è senz'altro il mare dove le conoscenze delle ostracofaune sono più complete, essendo state studiate da diversi autori, anche con lavori di ampio respiro (Ascoli, 1964; Masoli, 1968, 1969; Bonaduce *et al.*, 1974, 1976; Breman, 1975, 1976a,b; Montenegro & Pugliese, 1996). Segue il Tirreno (zone 2-3), a partire dalla monografia di G.W. Müller sugli ostracodi del Golfo di Napoli (1894) alla quale sono seguiti diversi lavori concernenti campionamenti su aree più o meno estese (Puri, 1963; Puri *et al.*, 1964, 1969; Bonaduce, 1965; Bonaduce & Gervasio, 1966; Melis & Pugliese, 1985; McKenzie & Bonaduce, 1993; Arbull *et al.*, 2001, 2004; Bonaduce & McKenzie, 2004).

Anche se non altrettanto completi sono disponibili dati riguardanti gli altri mari italiani, in particolare per il Golfo di Taranto (Puri *et al.*,

The class Ostracoda is made up of small crustaceans, with a shell size generally ranging from 0.2 to 30 mm, living in a wide variety of aquatic environments, from deep-sea waters to the proximity of hydrothermal springs. A small number of species have been recorded in damp terrestrial environments. The majority of the taxa have a wholly benthic lifestyle, but ostracods are also well represented among pelagic fauna.

Recent species presently described are about 8,000, and the number of living species is probably around 20,000. Ostracods have a low-Mg bivalve carapace showing a high preservation potential both in sub-Recent and ancient sediments. Consequently many species have been described exclusively on the basis of the shell features and the known fossil species, approximately 25,000, largely surpass the Recent ones (Horne *et al.*, 2002).

In the Italian seas both the living subclasses - Myodocopa and Podocopa - occur. Subclass Myodocopa includes the orders Myodocopida and Halocyprida; the subclass Podocopa comprises orders Platycopida and Podocopida, while Paleocopida, frequently recorded in Paleozoic sediments and represented by a small number of living species, seem to be missing in Mediterranean waters.

A critical review of available literature data made it possible to recognize as living in Italian waters 377 ostracod species, pertaining to 102 genera. It has to be noted that distribution data are not homogeneous across different areas. The Adriatic (zones 7-9) ostracofaunas, studied in a series of wide-ranging investigations by various authors (Ascoli, 1964; Masoli, 1968, 1969; Bonaduce *et al.*, 1974, 1976; Breman, 1975, 1976a,b; Montenegro & Pugliese, 1996) are the best known in the Mediterranean. Starting from G.W. Müller's monograph on the ostracods of the Gulf of Naples (1894), a cornerstone of modern ostracodology, several papers (Puri, 1963; Puri *et al.*, 1964, 1969; Bonaduce, 1965; Bonaduce & Gervasio, 1966; Melis & Pugliese, 1985; McKenzie & Bonaduce, 1993; Arbull *et al.*, 2001, 2004; Bonaduce & McKenzie, 2004) have considered different areas of the Tyrrhenian Sea (zones 2-3), describing a number of new species and indicating their distribution and ecological preferences.

Even though data regarding the remaining parts of the Italian seas are less complete, some areas, especially the Gulf of Taranto, have been studied in detail (Puri *et al.*, 1969; Bonaduce & Pugliese, 1979; Bonaduce *et al.*, 1982b, 1983, 1985; Peypouquet & Nachite, 1984; Bonaduce &

1969; Bonaduce & Pugliese, 1979; Bonaduce *et al.*, 1982b, 1983, 1985; Peypouquet & Nachite, 1984; Bonaduce & Mascellaro, 1985; Malz & Jellinek, 1994; Aiello *et al.*, 2006).

La presenza di molte specie di ostracodi è stata segnalata in studi tassonomici ed ecologici che hanno per oggetto un ristretto numero di taxa (Decima, 1964; Puri & Dickau, 1969; Sissingh, 1975; Athersuch, 1976, 1977, 1978a,b,c,d, 1979a,b, 1980a,b, 1981, 1982; Minichelli *et al.*, 1976; Pugliese *et al.*, 1976; Bonaduce *et al.*, 1976b, 1977, 1980, 1982a, 1998, 1999; Breman, 1978; Athersuch & Whittaker, 1982, 1987a,b; Bonaduce & Danielopol, 1988; Danielopol & Bonaduce, 1990; Danielopol *et al.*, 1995; Aiello & Barra, 2001a, Aiello *et al.*, 2001; Mostafawi, 2002).

Inoltre, a causa del grande interesse paleontologico di questi crostacei molti dati distributivi su forme recenti sono forniti da lavori che hanno per oggetto principale taxa fossili (Ruggieri, 1959, 1975, 1976; Bonaduce *et al.*, 1986; Abate *et al.*, 1993, 1994; Aiello *et al.*, 1993, 1996a,b,c, 2000; Barra *et al.*, 1996; Barra & Bonaduce, 1996, 2000; Aiello & Barra, 2001b; Aiello & Szczechura, 2001).

Va sottolineato che studi di dettaglio eseguiti su aree mediterranee come il Mar Egeo (*e.g.* Barbeito-Gonzalez, 1971; Stambolidis, 1985) o le coste nordafricane (*e.g.* Yassini, 1979; Bonaduce *et al.*, 1988, 1996; Lachenal, 1989) hanno evidenziato la presenza di numerosi taxa non ancora esaurientemente descritti o non segnalati nelle nostre acque. Si può presumere, vista la vicinanza geografica di tali aree e le condizioni ecologiche analoghe (in particolar modo per le acque della Grecia) che, nonostante la notevole mole di dati disponibili, nuove indagini porteranno alla definizione della distribuzione e della sistematica delle faune ad ostracodi dei mari italiani.

Mascellaro, 1985; Malz & Jellinek, 1994; Aiello *et al.*, 2006).

Studies concerning the taxonomy and ecology of a small number of taxa report the occurrence of many ostracod species in Italian waters, providing scattered but useful data (Decima, 1964; Puri & Dickau, 1969; Sissingh, 1975; Athersuch, 1976, 1977, 1978a,b,c,d, 1979a,b, 1980a,b, 1981, 1982; Minichelli *et al.*, 1976; Pugliese *et al.*, 1976; Bonaduce *et al.*, 1976b, 1977, 1980, 1982a, 1998, 1999; Breman, 1978; Athersuch & Whittaker, 1982, 1987a,b; Bonaduce & Danielopol, 1988; Danielopol & Bonaduce, 1990; Danielopol *et al.*, 1995; Aiello & Barra, 2001a, Aiello *et al.*, 2001; Mostafawi, 2002).

Furthermore, due to the high paleontological value of the ostracod shell, studies which concentrate primarily on fossil specimens provide distribution data on Recent species (Ruggieri, 1959, 1975, 1976; Bonaduce *et al.*, 1986; Abate *et al.*, 1993, 1994; Aiello *et al.*, 1993, 1996a,b,c, 2000; Barra *et al.*, 1996; Barra & Bonaduce, 1996, 2000; Aiello & Barra, 2001b; Aiello & Szczechura, 2001).

It must be emphasized that, despite the relatively large quantity of data, our knowledge of Italian ostracods is still incomplete. Detailed studies of Mediterranean areas such as the Aegean Sea (*e.g.* Barbeito-Gonzalez, 1971; Stambolidis, 1985) and North African waters (*e.g.* Yassini, 1979; Bonaduce *et al.*, 1988, 1996; Lachenal, 1989) have shown that many taxa are still undescribed or unrecorded in Italian waters. Considering the vicinity of these areas and (especially with regard to Greek waters) the similarity of ecological conditions, we can presume that new investigations will enable us to define exhaustively the distribution and taxonomy of the ostracods in the Italian seas.

## Bibliografia/References

- ABATE S., BARRA D., AIELLO G., BONADUCE G., 1993. The genus *Krithe* Brady, Crosskey & Robertson, 1874 (Crustacea: Ostracoda) in the Pliocene - Early Pleistocene of the M. San Nicola Section (Gela, Sicily). *Boll. Soc. Paleont. Ital.*, 32 (3): 349-366.
- ABATE S., BARRA D., BONADUCE G., 1994. The deep-water Xestoleberidinae Sars, 1928 (Crustacea: Ostracoda) in the Pliocene - Early Pleistocene of the M. San Nicola Section (Gela, Sicily). *Rev. Esp. Micropal.*, 26 (2): 43-47.
- AIELLO G. & BARRA D., 2001a. The genus *Paracythere* G.W. Müller, 1894 (Ostracoda): a re-examination from a paleontological viewpoint. *Rev. Micropal.*, 44 (1): 3-8.
- AIELLO G. & BARRA D., 2001b. Pliocene ostracod assemblages at the M PL 3 - M PI 4 boundary in the Capo Rossello borehole (Agrigento, Sicily). *Boll. Soc. Paleont. Ital.*, 40 (1): 97-103.
- AIELLO G., BARRA D., ABATE S., BONADUCE G., 1993. The genus *Parakrithe* van den Bold, 1958 (Ostracoda) in the Pliocene - Early Pleistocene of Sicily. *Boll. Soc. Paleont. Ital.*, 32 (2): 277-285.
- AIELLO G., BARRA D., BONADUCE G., 1996a. The genus *Cytheropteron* Sars, 1866 (Crustacea: Ostracoda) in the Pliocene - Early Pleistocene of the M. San Nicola Section (Gela, Sicily). *Micropaleont.*, 42 (2): 167-178.
- AIELLO G., BARRA D., BONADUCE G., 1996b. *Anchistrocheles interrupta*, a new deep-water marine ostracod species (Pussellinae, Ostracoda) from the Plio-Pleistocene of the Mediterranean Basin. *Boll. Soc. Paleont. Ital.*, 34 (3): 271-274.
- AIELLO G., BARRA D., BONADUCE G., 2000. Systematics and biostratigraphy of the ostracoda of the Plio-Pleistocene Monte S. Nicola section (Gela, Sicily). *Boll. Soc. Paleont. Ital.*, 39 (1): 83-112.
- AIELLO G., BARRA D., BONADUCE G., 2001. New generic assignment and new name for the ostracod *Cytheropteron rarum* G.W. Müller, 1894 from the Gulf of Naples. *Rev. Esp. Micropal.*, 33 (2): 217-220.
- AIELLO G., BARRA D., BONADUCE G., RUSSO A., 1996c. The genus *Cytherella* Jones, 1849 (Ostracoda) in the Italian Tortonian - Recent. *Rev. Micropal.*, 39 (3): 171-190.
- AIELLO G., BARRA D., COPPA M.G. VALENTE A., ZENI F., 2006. Recent infralittoral Foraminiferida and Ostracoda from the Porto Cesareo Lagoon (Ionian Sea, Mediterranean). *Boll. Soc. Paleont. Ital.*, 45 (1): 1-14.

- AIELLO G., SZCZECURA J., 2001. An ostracod marker for the Upper Badenian (Miocene) of the Central Paratethys. *Boll. Soc. Paleont. Ital.*, 40 (1): 75-79.
- ARBULLA D., PUGLIESE N., RUSSO A., 2001. Ostracodi del Golfo Saline (Sardegna nord-orientale). *Studi Trentini Sc. Nat., - Acta Geol.*, 77: 25-35.
- ARBULLA D., PUGLIESE N., RUSSO A., 2004. Ostracods from the National Park of La Maddalena Archipelago (Sardinia, Italy). *Boll. Soc. Paleont. Ital.*, 43 (1-2): 91- 99.
- ASCOLI P., 1964. Preliminary ecological study on Ostracoda from bottom cores of the Adriatic Sea. *Pubbl. Staz. Zool. Napoli*, 33, suppl.: 213-246.
- ATHERSUCH J., 1976. On *Sagmatocythere napoliana* (Puri). *Stereo-Atlas Ostracod Shells*, 3 (21): 117-124.
- ATHERSUCH J., 1977. The genus *Urocythereis* (Crustacea: Ostracoda) in Europe, with particular reference to Recent Mediterranean species. *Bull. Br. Mus. Nat. Hist. (Zool.)*, 32 (7): 247-283.
- ATHERSUCH J., 1978a. On *Pterygocythereis siveteri*. *Stereo-Atlas Ostracod Shells*, 5 (1): 1-8.
- ATHERSUCH J., 1978b. On *Pterygocythereis jonesii*. *Stereo-Atlas Ostracod Shells*, 5 (2): 9-16.
- ATHERSUCH J., 1978c. The genus *Xestoleberis* (Crustacea: Ostracoda) with particular reference to Recent Mediterranean species. *Pubbl. Staz. Zool. Napoli*, 40 (1976): 282-343.
- ATHERSUCH J., 1978d. The G.W. Müller Ostracod Collection. *Pubbl. Staz. Zool. Napoli*, 40: 344-348.
- ATHERSUCH J., 1979a. On *Acanthocythereis hystrix* (Reuss). *Stereo-Atlas Ostracod Shells*, 6 (24): 133-140.
- ATHERSUCH J., 1979b. On *Loxoconcha ovulata* (Costa). *Stereo-Atlas Ostracod Shells*, 6 (25): 141-150.
- ATHERSUCH J., 1980a. On *Aurila woodwardii* (Brady). *Stereo-Atlas Ostracod Shells*, 7 (9): 45-52.
- ATHERSUCH J., 1980b. On *Loxoconcha pontica* Klie. *Stereo-Atlas Ostracod Shells*, 7 (10): 53-60.
- ATHERSUCH J., 1981. On *Hemicytherura videns* (Müller). *Stereo-Atlas Ostracod Shells*, 8 (4): 19-26.
- ATHERSUCH J., 1982. Some ostracod genera formerly of the Family Cytherideidae Sars. In: Bate R.H., Robinson E., Sheppard L.M. (eds), *Fossil and Recent Ostracods*. Ellis Horwood, Chichester: 231-275.
- ATHERSUCH J. & WHITTAKER J.E., 1982. On *Propontocypris pirifera* (G.W. Müller). *Stereo-Atlas Ostracod Shells*, 9 (13): 69-76.
- ATHERSUCH J. & WHITTAKER J.E., 1987a. On *Carinocythereis carinata* (Roemer). *Stereo-Atlas Ostracod Shells*, 14 (23): 97-102.
- ATHERSUCH J. & WHITTAKER J.E., 1987b. On *Carinocythereis whitei* (Baird). *Stereo-Atlas Ostracod Shells*, 14 (24): 103-110.
- BARBEITO-GONZALEZ P.J., 1971. Die Ostracoden des Küstenbereiches von Naxos (Griechenland) und ihre Lebensbereiche. *Mitteilungen aus dem hamburgischen zoologischen Museum und Institut*, 67: 255-326, 47 pls.
- BARRA D., AIELLO G., BONADUCE G., 1996. The genus *Argilloecia* Sars, 1866 (Crustacea: Ostracoda) in the Pliocene - Early Pleistocene of the M. San Nicola Section (Gela, Sicily). In: Keen M.C. (ed), *Proc. 2nd Europ. Ostracod. Meet.* Univ. Glasgow, Scotland, 1993: 129-134.
- BARRA D. & BONADUCE G., 1996. The genus *Cistacythereis* Uliczny, 1969 (Ostracoda, Trachyleberididae) in the Recent of the Mediterranean Sea with a taxonomic revision. *Boll. Soc. Pal. It.*, 34 (3): 275-282.
- BARRA D. & BONADUCE G., 2000. Some species of *Echinocythereis* Puri, 1954 (Crustacea, Ostracoda) from Tortonian to Recent. *Rev. Esp. Micropal.*, 32 (2): 213-224.
- BONADUCE G., 1965. Ostracodi del "Banco delle Vedove" (Golfo di Napoli). *Pubbl. Staz. Zool. Napoli*, 34: 240-246.
- BONADUCE G., BARRA D., AIELLO G., 1996. *Gerdella* a new marine ostracod genus from the Recent of Tunisia. *Mitt. Hamburg. Zool. Mus. Inst.*, 93: 57-63.
- BONADUCE G., BARRA D., AIELLO G., 1998. The areal and bathymetrical distribution of the genus *Henryhowella* Puri (Ostracoda) in the Gulf of Naples. In: Crasquin-Soleau S., Braccini E., Lethiers F. (eds), *Proc. 3rd Europ. Ostracod. Meeting*, Paris 1996. *Bull. Centre Rech. Elf. Explor. Prod., Mém.* 20: 133-139.
- BONADUCE G., BARRA D., AIELLO G., 1999. The genus *Henryhowella* Puri, 1957 (Crustacea, Ostracoda) in the Atlantic and Mediterranean from Miocene to Recent. *Boll. Soc. Paleont. Ital.*, 38 (1): 59-72.
- BONADUCE G., CIAMPO G., MASOLI M., 1976. Distribution of Ostracoda in the Adriatic Sea. *Pubbl. Staz. Zool. Napoli*, 40, Suppl. 1: 1-304.
- BONADUCE G., CILIBERTO B., MASOLI M., MINICHELLI G., PUGLIESE N., 1982a. Systematics and distribution of the Family Polycopidae in the Gulf of Naples. In: Bate R.H., Robinson E., Sheppard L.M. (eds), *Fossil and Recent Ostracods*. British Micropaleontological Society, 18: 344-364.
- BONADUCE G., CILIBERTO B., MASOLI M., MINICHELLI G., PUGLIESE N., 1983. The deep-water benthic ostracodes of the Mediterranean. In: Maddocks R.F. (ed), *Application of Ostracoda*. Univ. Houston Geosci.: 459-472.
- BONADUCE G. & DANIELOPOL D., 1988. To see and not to be seen: the evolutionary problems of the Ostracoda Xestoleberididae. In: Hanai T., Ikeya N., Ishizaki K. (eds), *Evolutionary biology of Ostracoda: Developments in Palaeontology and Stratigraphy*, 11: 375-398.
- BONADUCE G. & GERVASIO A.M., 1966. Ostracodi della Cala degli Infreschi (Marina di Camerota, Salerno). *Pubbl. Staz. Zool. Napoli*, 35: 135.
- BONADUCE G. & MASCELLARO P., 1985. Ostracoda. In: Moncharmont-Zei M., Russo B., Sgarrella F., Bonaduce G., Mascellaro P. (eds), Paleoclimatic record from 4 cores (Gulf of Taranto, Ionian Sea), evidence from Foraminifera and Ostracoda. *Boll. Soc. Paleont. Ital.*, 23 (1): 21-51.
- BONADUCE G., MASCELLARO P., MASOLI M., PUGLIESE N., 1982b. Ostracodi. In: Belfiore A., Bonaduce G., Garavelli C., Mascellaro P., Masoli M., Mirabile L., Moncharmont M., Moretti M., Nuovo G., Pennetta M., Pescatore T., Placella P., Pugliese N., Russo B., Senatore M.R., Sgarrella F., Sansone E., Spezie G., Thorez J., Tramutoli M., Vultaggio M. (eds), *La sedimentazione recente del Golfo di Taranto (Alto Ionio, Italia)*. *Annali dell'Istituto Universitario Navale - Napoli*, 49-50, app. 3: 77-88.
- BONADUCE G., MASCELLARO P., MASOLI M., PUGLIESE N., 1985. Gli Ostracodi. In: Pescatore T. (ed), *P.F. Oceanografia e Fondi Marini - Sottoprogetto Risorse Minerarie, CNR, Geologia e oceanografia del Golfo di Taranto*: 167-187.
- BONADUCE G., MASOLI M., MINICHELLI G., 1974. Ostracofaune delle lagune di Marano e Grado. *Boll. Soc. Adriatica Sci. Trieste*, 59 (1): 33-105.
- BONADUCE G., MASOLI M., PUGLIESE N., 1977. Ostracodi bentonici dell'alto Tirreno. *Studi Trentini Sc. Nat., Biol.*, 54: 243-261.



- BONADUCE G., MASOLI M., PUGLIESE N., 1988. Remarks on the Benthic Ostracoda on the Tunisian Shelf. In: Hanai T., Ikeya N., Ishizaki K. (eds), *Evolutionary biology of Ostracoda its fundamentals and applications*. Proceedings of the Ninth International Symposium on Ostracoda, held in Shizuoka, Japan 29 July-2 August 1985. Developments in Palaeontology and Stratigraphy, 11: 449-466.
- BONADUCE G., MASOLI M., PUGLIESE N., MCKENZIE K., 1980. The genus *Pseudocythere* Sars (Crustacea, Ostracoda) in the Bay of Naples. *Boll. Soc. Paleont. Ital.*, 19 (1): 136-142.
- BONADUCE G. & MCKENZIE K.G., 2004. Soft anatomies of some Ostracoda from the Bay of Naples described by Professor Giuliano Ruggieri and other workers. *Boll. Soc. Paleont. Ital.*, 43 (1-2): 101-112.
- BONADUCE G. & PUGLIESE N., 1979. Benthic Ostracods as depth indicators. *Rapp. Comm. Int. Mer. Médit.*, 25/26 (4): 167-169.
- BONADUCE G., PUGLIESE N., MINICHELLI G., 1979b. *Buntonia subulata* Ruggieri (Ostracoda) in the Gulf of Naples. *Pubbl. Staz. Zool. Napoli*, 40: 429-432.
- BONADUCE G., RUGGIERI G., RUSSO A., 1986. The genus *Tenedocythere* (Ostracoda, Podocopida) of the Mediterranean Miocene to Recent especially from Italy. *Boll. Soc. Paleont. Ital.*, 23 (3): 515-543.
- BREMAN E., 1975. Ostracodes in a bottom core from the deep southeastern basin of the Adriatic Sea. *Proceedings, Nederl. Akademie Van Wetenschappen*, Amsterdam, Ser. B, 78 (3): 197-218.
- BREMAN E., 1976a. Five ostracode species from adriatic deep-sea sediments. *Proceedings, Koninkl. Nederl. Akademie Van Wetenschappen*, Amsterdam, Ser. B, 79 (1): 9-17.
- BREMAN E., 1976b. The distribution of ostracodes in the bottom sediments of the Adriatic Sea. *Acad. Proefschr. Vrije Univ. Amsterdam*: 1-165.
- BREMAN E., 1978. *Krithe keyi* nom. nov., revision of an ostracode species name. *Journ. Paleont.*, 52 (3): 580.
- DANIELOPOL D.L. & BONADUCE G., 1990. Origin and distribution of the interstitial species group *Xestoleberis arcturi* Triebel (Ostracoda, Crustacea). *Cour. Forsch. Inst. Senckenberg*, 123: 69-86.
- DANIELOPOL D.L., BONADUCE G., BALTANAS A., 1995. A supposed deep-sea origin for subsurface Xestoleberididae ostracods? In: Riha (ed), *Ostracoda and Biostratigraphy*. Proceedings of the Twelfth International Symposium on Ostracoda, Prague/ Czech Republic/26-30 July 1994, Balkema, Rotterdam: 19-28.
- DECIMA A., 1964. Ostracodi del Gen. *Cyprideis* Jones del Neogene e del Quaternario italiani. *Palaeont. Ital.*, 57: 81-134.
- HORNE D.J., COHEN A., MARTENS K., 2002. Taxonomy, morphology and biology of Quaternary and living Ostracoda. In: Chivas A., Holmes J.A. (eds), *The Ostracoda: Applications in Quaternary research*. AGU Geophysical Monograph Series, 131: 5-36.
- LACHENAL A.M., 1989. Écologie des ostracodes du domaine méditerranéen : application au Golfe de Gabès (Tunisie orientale). Les variations du niveau marin depuis 30000 ans. *Documents des Laboratoires de Géologie de Lyon*, 108: 239 pp.
- MALZ H. & JELLINEK T., 1994. Podocopide Tiefsee-Ostracoden aus Kastengreifer-Proben im östlichen Mittelmeer (Meteor-Fahrt 25/leg 1: Ionisches bis Levantinisches Becken). *Senckenberg. leth.*, 74 (1/2): 9-32.
- MASOLI M., 1968. Ostracodi recenti dell'Adriatico settentrionale fra Venezia e Trieste. *Mem. Mus. Trident. Sc. Nat.*, 17 (1): 69-138.
- MASOLI M., 1969. Distribution of species of the genus *Semicytherura* in the northern Adriatic Sea between Venice and Trieste, Italy. In: Neale J.W. (ed), *The taxonomy, morphology and ecology of recent Ostracoda*. Oliver & Boyd, Edinburgh: 334-355.
- MCKENZIE K.G. & BONADUCE G., 1993. Partial redescriptions of some Trachyleberididae and Hemicytheridae from the Bay of Naples, comparisons, and a reappraisal of trachyleberidid-hemicytherid classification. In: McKenzie K. G., Jones P. J. (eds), *Ostracoda in the Earth and Life Sciences*. Proc. 11<sup>th</sup> Int. Symp. Ostracoda: 599-620.
- MELIS R. & PUGLIESE N., 1985. Ostracofauna bentoniche delle Isole Egadi (Sicilia). *Atti Mus. Geol. Paleont. Monfalcone*, 3: 1-22.
- MINICHELLI G., PUGLIESE N., BONADUCE G., 1976. Distribution of *Monoceratina mediterranea* and *M. oblita* (Ostracoda) in the Gulf of Naples. *Pubbl. Staz. Zool.*, 40: 473-476.
- MONTENEGRO M.E. & PUGLIESE N., 1996. Autoecological remarks on the ostracod distribution in the Marano and Grado Lagoons (Northern Adriatic Sea, Italy). *Boll. Soc. Paleont. Ital.*, 3 (S.N.): 123-132.
- MOSTAFAWI N., 2002. A revision of selected ostracod species from Uliczny 1969 (Pliocene; Cephalonia, Greece). *Rev. Esp. Micropal.*, 34 (3): 315-330.
- MÜLLER G.W., 1894. Die Ostracoden des Golfes von Neapel und der angrenzenden Meeres-Abschnitte: Fauna und Flora. *Herausg. Zool. Sta. Neapel*, 21 (1-8): 1-404.
- PEYPOUQUET J.P. & NACHITE D., 1984. Les Ostracodes en Méditerranée nord-occidentale. *Ecomed., Ass. Franc. Techn. Pétrole*, Paris, 7: 151-169.
- PUGLIESE N., MINICHELLI G., BONADUCE G., 1976. Distribution of *C. antiquata* and *C. bairdi* (Ostracoda) in the Gulf of Naples. *Pubbl. Staz. Zool. Napoli*, 40: 486-491.
- PURI H.S., 1963. Preliminary notes on the Ostracoda of the Gulf of Naples. *Experientia*, 19: 368-372.
- PURI H.S., BONADUCE G., GERVASIO A.M., 1969. Distribution of Ostracoda in the Mediterranean. In: Neale J.W. (ed), *The Taxonomy, Morphology and Ecology of Recent Ostracoda*. Oliver & Boyd, Edinburgh: 358-411.
- PURI H.S., BONADUCE G., MALLOY J., 1964. Ecology of the Gulf of Naples. *Pubbl. Staz. Zool. Napoli*, 33, Suppl.: 88-199.
- PURI H.S. & DICKAU B.E., 1969. Use of normal pores in taxonomy of Ostracoda. *Trans. Gulf Coast Ass. Geol. Soc.*, 19: 353-367.
- RUGGIERI G., 1959. Enumerazione degli Ostracodi marini del Neogene, Quaternario e Recente italiani descritti o elencati nell'ultimo decenni. *Atti Soc. Ital. Sc. Nat. Mus. Civ. Sc. Nat. Milano*, 98 (2): 183-208.
- RUGGIERI G., 1975. Sulla distribuzione geografica e stratigrafica del genere *Falsocythere* (Ostracoda, Podocopida). *Boll. Soc. Paleont. Ital.*, 12 (2): 223-227.
- RUGGIERI G., 1976. Contributo alla conoscenza del genere *Aurila* (Ostracoda, Podocopa) con particolare riguardo ai suoi rappresentanti nel Pleistocene italiano. *Boll. Soc. Paleont. Ital.*, 14 (1): 27-46.
- SISSINGH W., 1975. A remarkable new species of *Pedicythere* (Ostracoda) from the Adriatic Sea. *Proc. Koninkl. Neder. Akad. Wetensch.*, ser. B, 78 (1): 62-73.
- STAMBOLIDIS E.A., 1985. Zur Kenntnis der Ostracoden des Evros-Delta (Nord-Ägäisches Meer) Griechenland. *Mitt. Hamb. Zool. Mus. Inst.*, 82: 155-254.
- YASSINI I., 1979. The littoral system Ostracodes from the bay of Bou-Ismaïl, Algiers, Algeria. *Revista Española de Micropaleontología*, 11 (3): 353-416.



			1	2	3	4	5	6	7	8	9	CAR	SIN	NOTE
<i>Polycope fragilis</i>	9750	G.W. Müller, 1894			x	x								
<i>Polycope frequens</i>	9751	G.W. Müller, 1894			x	x	x		x					
<i>Polycope inflata</i>	9752	Bonaduce, Ciliberto, Masoli, Minichelli & Pugliese, 1982			x	x	x							
<i>Polycope maculata</i>	9753	G.W. Müller, 1894	x	x			x							
<i>Polycope orbulinaeformis</i>	9754	Breman, 1976	x	x		x	x	x	x					
<i>Polycope ovalis</i>	9755	Bonaduce, Ciliberto, Masoli, Minichelli & Pugliese, 1982	x		x		x	x						
<i>Polycope parareticulata</i>	9756	Bonaduce, Ciampo & Masoli, 1976			x		x	x	x	x				
<i>Polycope reticulata</i>	9757	G.W. Müller, 1894	x	x	x		x	x	x	x	x			
<i>Polycope rostrata</i>	9758	G.W. Müller, 1894			x		x	x		x				
<i>Polycope striata</i>	9759	G.W. Müller, 1894			x			x	x	x				
<i>Polycope tholiformis</i>	9760	Bonaduce, Ciampo & Masoli, 1976			x			x	x	x	x			
<i>Polycope truncatula</i>	9761	Bonaduce, Ciampo & Masoli, 1976			x				x	x				
<i>Polycope tuberosa</i>	9762	G.W. Müller, 1894			x		x	x	x	x				
<i>Polycope vasfiensis</i>	9763	Sissingh, 1972	x		x		x	x	x	x				
<i>Polycopsis</i>	9764	G.W. Müller, 1894												
<i>Polycopsis compressa</i>	9765	(Brady & Robertson, 1869)			x					x			a7	
<i>Polycopsis quadridentata</i>	9766	Bonaduce, Ciampo & Masoli, 1976			x		x	x	x	x				
<i>Polycopsis serrata</i>	9767	G.W. Müller, 1894			x		x							
<b>Sottoclasse Podocopa</b>														
<b>Ordine Platycopida</b>														
<b>Sottordine Platycopina</b>														
<b>Superfamiglia Cytherelloidea</b>														
<b>Famiglia Cytherellidae</b>														
<i>Cytherella</i>	9768	Jones, 1849												
<i>Cytherella alvearium</i>	9769	Bonaduce, Ciampo & Masoli, 1976			x			x	x	x		E		
<i>Cytherella bathyalis</i>	9770	Bonaduce, Ciliberto, Masoli, Minichelli & Pugliese, 1982			x			x						
<i>Cytherella harrymutvei</i>	9771	Stambolidis, 1980			x									A1
<i>Cytherella scutulum</i>	9772	Ruggieri, 1976						x	x	x	x			A1
<i>Cytherella thrakiensis</i>	9773	Stambolidis, 1980			x					x			a8	A1
<i>Cytherella vulgatella</i>	9774	Aiello, Barra, Bonaduce & Russo, 1996	x		x			x		x	x		a9	
<i>Cytherelloidea</i>	9775	Alexander, 1929											a10	
<i>Cytherelloidea beckmanni</i>	9776	Barbeito-Gonzalez, 1971			x									
<i>Cytherelloidea sordida</i>	9777	(G.W. Müller, 1894)		x	x		x	x	x					
<b>Ordine Podocopida</b>														
<b>Sottordine Bairdiocopina</b>														
<b>Superfamiglia Bairdioidea</b>														
<b>Famiglia Bairdiidae</b>														
<i>Bairdoppilata</i>	9778	Coryell, Sample & Jennings, 1935											a11	
<i>Bairdoppilata conformis</i>	9779	(Terquem, 1878)			x		x	x						
<i>Bairdoppilata supradentata</i>	9780	(Terquem, 1878)							x	x				
<i>Neonesidea</i>	9781	Maddocks, 1969											a12	
<i>Neonesidea corpulenta</i>	9782	(G.W. Müller, 1894)		x	x		x	x	x	x				
<i>Neonesidea decipiens</i>	9783	(G.W. Müller, 1894)			x									
<i>Neonesidea formosa</i>	9784	(Brady, 1868)	x	x	x	x	x	x					a13	
<i>Neonesidea frequens</i>	9785	(G.W. Müller, 1894)			x		x		x		x			
<i>Neonesidea inflata</i>	9786	(Norman, 1862)								x				
<i>Neonesidea longevaginata</i>	9787	(G.W. Müller, 1894)		x	x		x	x						

			1	2	3	4	5	6	7	8	9	CAR	SIN	NOTE
<i>Neonesidea mediterranea</i>	9788	(G.W. Müller, 1894)	x	x	x		x	x		x	x			
<i>Neonesidea minor</i>	9789	(G.W. Müller, 1894)			x									
<i>Neonesidea obscura</i>	9790	(G.W. Müller, 1894)			x									
<i>Paranesidea</i>	9791	Maddocks, 1969											a14	
<i>Paranesidea reticulata</i>	9792	(G.W. Müller, 1894)		x	x		x							
<i>Triebelina</i>	9793	van den Bold, 1946											a15	
<i>Triebelina raripila</i>	9794	(G.W. Müller, 1894)		x	x			x			x			
<b>Famiglia Bythocyprididae</b>														
<i>Anchistrocheles</i>	9795	Brady & Norman, 1889											a16	
<i>Anchistrocheles tenera</i>	9796	(Breman, 1975)		x	x		x	x	x					
<i>Bythocypris</i>	9797	Brady, 1880											a17	
<i>Bythocypris bosquetiana</i>	9798	(Brady, 1866)		x	x			x		x			a18	
<i>Bythocypris obtusata</i>	9799	G.O. Sars, 1866		x	x		x	x	x				a19	
<i>Bythocypris reflexa</i>	9800	Breman, 1975					x	x						
<b>Sottordine Cypridocopina</b>														
<b>Superfamiglia Macrocypridoidea</b>														
<b>Famiglia Macrocyprididae</b>														
<i>Macrocyprina</i>	9801	Triebel, 1960											a20	
<i>Macrocyprina succinea</i>	9802	(G.W. Müller, 1894)			x		x							
<i>Macromckenziea</i>	9803	Maddocks, 1990											a21	
<i>Macromckenziea ligustica</i>	9804	(Bonaduce, Masoli & Pugliese, 1977)	x		x									
<i>Macropyxis</i>	9805	Maddocks, 1990											a22	
<i>Macropyxis adriatica</i>	9806	(Breman, 1975)					x	x						
<b>Superfamiglia Pontocypridoidea</b>														
<b>Famiglia Pontocyprididae</b>														
<i>Argilloecia</i>	9807	G.O. Sars, 1866												
<i>Argilloecia acuminata</i>	9808	G.W. Müller, 1894	x	x	x		x	x	x	x	x			
<i>Argilloecia bulbifera</i>	9809	G.W. Müller, 1894	x		x		x	x		x				
<i>Argilloecia caudata</i>	9810	G.W. Müller, 1894	x		x		x	x		x				
<i>Argilloecia gonzalezi</i>	9811	Barra, Aiello & Bonaduce, 1996									x			
<i>Argilloecia levis</i>	9812	G.W. Müller, 1894			x		x	x		x		E		
<i>Argilloecia micra</i>	9813	Bonaduce, Ciampo & Masoli, 1976		x	x		x	x		x				
<i>Argilloecia minor</i>	9814	G.W. Müller, 1894	x		x		x	x		x				
<i>Argilloecia robusta</i>	9815	Bonaduce, Ciampo & Masoli, 1976	x								x			
<i>Pontocyprina</i>	9816	G.W. Müller, 1894												
<i>Pontocyprina spinosa</i>	9817	G.W. Müller, 1894	x		x			x	x	x	x			
<i>Pontocypris</i>	9818	G.O. Sars, 1866											a23	
<i>Pontocypris acuminata</i>	9819	(G.W. Müller, 1894)	x	x	x		x	x	x	x	x			
<i>Pontocypris acuta</i>	9820	Bonaduce, Ciampo & Masoli, 1976	x							x	x	E		
<i>Pontocypris declivis</i>	9821	G.W. Müller, 1894			x							E		
<i>Pontocypris discrepans</i>	9822	(G.W. Müller, 1894)	x		x									
<i>Pontocypris dispar</i>	9823	G.W. Müller, 1894			x		x		x	x	x	E		
<i>Pontocypris frequens</i>	9824	(G.W. Müller, 1894)			x			x						
<i>Pontocypris levis</i>	9825	G.W. Müller, 1894			x							E		
<i>Pontocypris maculosa</i>	9826	G.W. Müller, 1894			x							E		
<i>Pontocypris mediterranea</i>	9827	G.W. Müller, 1894			x							E		
<i>Pontocypris obtusa</i>	9828	(G.W. Müller, 1894)	x		x					x	x			
<i>Pontocypris pallida</i>	9829	(G.W. Müller, 1894)			x							E		
<i>Pontocypris pellucida</i>	9830	G.W. Müller, 1894			x							E		
<i>Pontocypris rara</i>	9831	(G.W. Müller, 1894)			x							E		

			1	2	3	4	5	6	7	8	9	CAR	SIN	NOTE
<i>Pontocypris serrata</i>	9832	(G.W. Müller, 1894)			x	x	x						a24	
<i>Propontocypris</i>	9833	Sylvester-Bradley, 1947											a25	
<i>Propontocypris intermedia</i>	9834	(Brady, 1868)		x	x				x	x	x			
<i>Propontocypris monstrosa</i>	9835	(G.W. Müller, 1894)			x			x						
<i>Propontocypris pirifera</i>	9836	(G.W. Müller, 1894)		x	x			x						
<i>Propontocypris setosa</i>	9837	(G.W. Müller, 1894)			x							E		
<i>Propontocypris solida</i>	9838	Ruggieri, 1952						x				E		
<i>Propontocypris subfusca</i>	9839	(G.W. Müller, 1894)			x			x				E		
<i>Propontocypris succinea</i>	9840	(G.W. Müller, 1894)			x		x	x						
<b>Superfamiglia Cypridoidea</b>														
<b>Famiglia Candonidae</b>														
<i>Aglaioocypris</i>	9841	Sylvester-Bradley, 1947											a26	
<i>Aglaioocypris complanata</i>	9842	(Brady & Robertson, 1869)		x	x		x	x			x			
<i>Aglaioocypris rara</i>	9843	(G.W. Müller, 1894)		x	x			x						
<b>Sottordine Cytherocopina</b>														
<b>Superfamiglia Cytheroidea</b>														
<b>Famiglia Eucytheridae</b>														
<i>Eucythere</i>	9844	Brady, 1868											a27	
<i>Eucythere curta</i>	9845	Ruggieri, 1975	x		x			x	x	x	x			
<i>Eucythere declivis</i>	9846	(Norman, 1865)		x	x		x				x			
<i>Eucythere pubera</i>	9847	Bonaduce, Ciampo & Masoli, 1976						x		x				
<b>Famiglia Leptocytheridae</b>														
<i>Callistocythere</i>	9848	Ruggieri, 1953											a28	
<i>Callistocythere adriatica</i>	9849	Masoli, 1968	x	x	x			x	x	x	x	E		
<i>Callistocythere badia</i>	9850	(Norman, 1862)						x						
<i>Callistocythere diffusa</i>	9851	(G.W. Müller, 1894)	x		x		x	x	x	x	x			
<i>Callistocythere discrepans</i>	9852	(G.W. Müller, 1894)			x									
<i>Callistocythere flavidofusca</i>	9853	(Ruggieri, 1950)	x	x	x		x	x	x	x	x			
<i>Callistocythere folliculosa</i>	9854	Bonaduce, Ciampo & Masoli, 1976		x	x			x	x					
<i>Callistocythere gilva</i>	9855	Bonaduce, Ciampo & Masoli, 1976			x				x		x	E M		
<i>Callistocythere intricadoides</i>	9856	(Ruggieri, 1953)						x	x	x	x			
<i>Callistocythere littoralis</i>	9857	(G.W. Müller, 1894)	x	x	x			x	x	x	x			
<i>Callistocythere lobiancoi</i>	9858	(G.W. Müller, 1894)		x	x		x	x	x	x	x			
<i>Callistocythere mediterranea</i>	9859	(G.W. Müller, 1894)			x			x				E M		
<i>Callistocythere pallida</i>	9860	(G.W. Müller, 1894)			x		x	x	x	x	x			
<i>Callistocythere praecincta</i>	9861	Ciampo, 1976						x				E		
<i>Callistocythere protracta</i>	9862	Ruggieri & D'Arpa, 1993								x	x	E	a29	
<i>Callistocythere rastrifera</i>	9863	(Ruggieri, 1953)			x				x	x	x			
<i>Callistocythere vexata</i>	9864	Bonaduce, Ciampo & Masoli, 1976						x	x	x				
<i>Cluthia</i>	9865	Neale, 1973												
<i>Cluthia keiji</i>	9866	Neale, 1975	x							x	x			
<i>Leptocythere</i>	9867	G.O. Sars, 1925											a30	
<i>Leptocythere bacescoi</i>	9868	(Rome, 1942)			x		x	x	x	x	x			
<i>Leptocythere bituberculata</i>	9869	Bonaduce, Ciampo & Masoli, 1976								x	x	E M		
<i>Leptocythere crepidula</i>	9870	Ruggieri, 1950								x	x	M		
<i>Leptocythere lagunae</i>	9871	Hartmann, 1958		x				x			x			
<i>Leptocythere levis</i>	9872	(G.W. Müller, 1894)	x		x			x	x	x	x			
<i>Leptocythere macella</i>	9873	Ruggieri, 1975	x					x		x	x			
<i>Leptocythere muellerfabaeformis</i>	9874	Puri, 1963			x						x		a31	
<i>Leptocythere multipunctata</i>	9875	(Seguenza, 1883)							x	x	x			



			1	2	3	4	5	6	7	8	9	CAR	SIN	NOTE
<i>Leptocythere pellucida</i>	9876	(Baird, 1850)								x	x			
<i>Leptocythere punctatella</i>	9877	Bonaduce, Masoli & Pugliese, 1977	x					x				E		
<i>Leptocythere ramosa</i>	9878	(Rome, 1942)	x	x				x	x	x	x			
<i>Leptocythere rara</i>	9879	(G.W. Müller, 1894)	x		x			x		x	x	E		
<i>Leptocythere tenera</i>	9880	(Brady, 1868)							x	x	x			
<b>Famiglia Cytheromatidae</b>														
<i>Cytheroma</i>	9881	G.W. Müller, 1894												
<i>Cytheroma variabilis</i>	9882	G.W. Müller, 1894	x	x	x		x	x		x	x			
<b>Famiglia Cytherideidae</b>														
<i>Cuneocythere</i>	9883	Lienenklaus, 1894												
<i>Cuneocythere semipunctata</i>	9884	(Brady, 1868)	x		x			x	x	x	x			
<i>Cyprideis</i>	9885	Jones, 1857												
<i>Cyprideis torosa</i>	9886	(Jones, 1850)		x		x	x	x	x	x	x			
<i>Cytheridea</i>	9887	Bosquet, 1852												
<i>Cytheridea neapolitana</i>	9888	Kolmann, 1958	x	x	x			x	x	x	x			
<b>Famiglia Neocytherideidae</b>														
<i>Neocytherideis</i>	9889	Puri, 1952												
<i>Neocytherideis muelleri</i>	9890	(Kruit, 1955)			x		x	x					a32	
<i>Neocytherideis subulata</i>	9891	(Brady, 1868)	x	x				x	x	x	x		a33	
<i>Procytherideis</i>	9892	Ruggieri, 1978											a34	
<i>Procytherideis complicata</i>	9893	(Ruggieri, 1953)		x	x			x	x		x			
<i>Procytherideis retifera</i>	9894	Ruggieri, 1978						x			x		a35	
<i>Procytherideis senescens</i>	9895	(Ruggieri, 1952)		x						x				
<i>Procytherideis subspiralis</i>	9896	(Brady, Crosskey & Robertson, 1874)			x			x		x	x			
<i>Sahnicythere</i>	9897	Athersuch, 1982											a36	
<i>Sahnicythere retroflexa</i>	9898	(Klie, 1936)	x					x					a37	
<b>Famiglia Cushmanideidae</b>														
<i>Pontocythere</i>	9899	Dubowsky, 1939											a38	
<i>Pontocythere rubra</i>	9900	(G.W. Müller, 1894)			x				x	x	x			
<i>Pontocythere turbida</i>	9901	(G.W. Müller, 1894)	x	x	x		x	x	x	x	x			
<b>Famiglia Krithidae</b>														
<i>Krithe</i>	9902	Brady, Crosskey & Robertson, 1874											a39	
<i>Krithe keyi</i>	9903	Breman, 1978			x			x	x					
<i>Krithe praetexta</i>	9904	(Sars, 1866)							x	x	x			
<i>Parakrithe</i>	9905	van den Bold, 1958											a40	
<i>Parakrithe ambigua</i>	9906	Ciampo, 1980												
<i>Parakrithe dimorpha</i>	9907	Bonaduce, Ciampo & Masoli, 1976	x					x	x	x				
<i>Pseudopsammocythere</i>	9908	Carbonnel, 1966											a41	
<i>Pseudopsammocythere reniformis</i>	9909	(Brady, 1868)		x	x			x		x	x			
<i>Pseudopsammocythere similis</i>	9910	(G.W. Müller, 1894)	x		x			x						
<b>Famiglia Trachyleberididae</b>														
<i>Acanthocythereis</i>	9911	Howe, 1963											a42	
<i>Acanthocythereis ascolii</i>	9912	Puri, 1963			x			x	x	x			a43	
<i>Acanthocythereis hystrix</i>	9913	(Reuss, 1850)			x			x	x	x				
<i>Basslerites</i>	9914	Howe in Coryell & Fields, 1937											a44	
<i>Basslerites berchoni</i>	9915	(Brady, 1869)		x	x		x	x						
<i>Bosquetina</i>	9916	Keij, 1857											a45	
<i>Bosquetina dentata</i>	9917	(G.W. Müller, 1894)	x	x	x		x	x	x	x	x			
<i>Buntonia</i>	9918	Howe, 1935											a46	
<i>Buntonia dertonensis</i>	9919	Ruggieri, 1954			x		x							

		1	2	3	4	5	6	7	8	9	CAR	SIN	NOTE
<i>Buntonia giesbrechtii</i>	9920	(G.W. Müller, 1894)			x	x		x	x				
<i>Buntonia sublatissima</i>	9921	(Neviani, 1906)		x		x	x	x	x				
<i>Buntonia textilis</i>	9922	Bonaduce, Ciampo & Masoli, 1976		x				x	x	x			
<i>Carinocythereis</i>	9923	Ruggieri, 1956											a47
<i>Carinocythereis carinata</i>	9924	(Roemer, 1838)				x	x	x	x	x			a48
<i>Carinocythereis whitei</i>	9925	(Baird, 1850)		x	x	x		x	x	x			a49
<i>Cistacythereis</i>	9926	Uliczny, 1969											a50
<i>Cistacythereis carthaginensis</i>	9927	Barra & Bonaduce, 1996					x						
<i>Cistacythereis rubra</i>	9928	(G.W. Müller, 1894)		x		x							
<i>Cistacythereis turbida</i>	9929	(G.W. Müller, 1894)		x	x	x		x	x	x			
<i>Costa</i>	9930	Neviani, 1928											a51
<i>Costa batei</i>	9931	(Brady, 1866)			x	x		x	x		x		a52
<i>Costa edwardsi</i>	9932	(Roemer, 1838)		x	x	x	x	x	x	x			
<i>Echinocythereis</i>	9933	Puri, 1954											a53
<i>Echinocythereis vidua</i>	9934	Barra & Bonaduce, 2000			x	x		x		x	x		a54
<i>Falsocythere</i>	9935	Ruggieri, 1972											a55
<i>Falsocythere terryi</i>	9936	(Holden, 1967)				x		x	x				a56
<i>Henryhowella</i>	9937	Puri, 1957											a57
<i>Henryhowella parthenopea</i>	9938	Bonaduce, Barra & Aiello, 1999				x		x		x	x		a58
<i>Henryhowella sarsii</i>	9939	(G.W. Müller, 1894)		x	x	x		x	x	x	x		
<i>Occultocythereis</i>	9940	Howe, 1951											a59
<i>Occultocythereis dohrni</i>	9941	Puri, 1963				x		x	x				a60
<i>Pterygocythereis</i>	9942	Blake, 1933											a61
<i>Pterygocythereis jonesii</i>	9943	(Baird, 1850)		x	x	x	x	x	x	x			
<i>Pterygocythereis siveteri</i>	9944	Athersuch, 1978		x	x	x		x	x	x			a62
<i>Rectobuntonia</i>	9945	Sissingh, 1972											a63
<i>Rectobuntonia miranda</i>	9946	Bonaduce, Ciampo & Masoli, 1976				x		x	x	x			
<i>Rectobuntonia subulata</i>	9947	(Ruggieri, 1954)		x		x							
<i>Verrucocythereis</i>	9948	Ruggieri, 1962											
<i>Verrucocythereis bulbospinata</i>	9949	(Uliczny, 1969)				x		x	x				
<b>Famiglia Hemicytheridae</b>													
<i>Aurila</i>	9950	Pokorny, 1955											a64
<i>Aurila arborescens</i>	9951	(Brady, 1865)					x		x	x			a65
<i>Aurila convexa</i>	9952	(Baird, 1850)		x	x	x	x	x	x	x	x		
<i>Aurila fallax</i>	9953	Ruggieri, 1984				x	x						
<i>Aurila glyptica</i>	9954	Barbeito-Gonzalez, 1971						x	x				
<i>Aurila interpretis</i>	9955	Uliczny, 1969				x		x	x	x			
<i>Aurila prasina</i>	9956	Barbeito-Gonzalez, 1971						x	x				
<i>Aurila punctata</i>	9957	(Münster, 1830)						x	x				
<i>Aurila speyeri</i>	9958	(Brady, 1858)					x	x	x	x	x		
<i>Caudites</i>	9959	Coryell & Fields, 1937											
<i>Caudites calceolatus</i>	9960	(O.G. Costa, 1853)			x			x	x		x		
<i>Heterocythereis</i>	9961	Elofson, 1941											
<i>Heterocythereis voraginosa</i>	9962	Athersuch, 1979				x	x	x	x	x			a66
<i>Tenedocythere</i>	9963	Sissingh, 1972											a67
<i>Tenedocythere prava</i>	9964	(Baird, 1850)		x	x	x	x	x			x		a68
<i>Urocythereis</i>	9965	Ruggieri, 1950											a69
<i>Urocythereis distinguenda</i>	9966	Athersuch, 1978						x					A2
<i>Urocythereis flexicauda</i>	9967	Bonaduce, Ciampo & Masoli, 1976				x		x	x				
<i>Urocythereis margaritifera</i>	9968	(G.W. Müller, 1894)				x		x	x		x		
<i>Urocythereis neapolitana</i>	9969	Athersuch, 1977				x		x					

			1	2	3	4	5	6	7	8	9	CAR	SIN	NOTE
<b>Famiglia Cytherettidae</b>														
<i>Cytheretta</i>	9970	G.W. Müller, 1894											a70	
<i>Cytheretta adriatica</i>	9971	Ruggieri, 1952	x	x	x			x	x	x	x			
<i>Cytheretta subradiosa</i>	9972	(Roemer, 1838)	x	x	x			x	x	x	x		a71	
<b>Famiglia Microcytheridae</b>														
<i>Microcythere</i>	9973	G.W. Müller, 1894												
<i>Microcythere dentata</i>	9974	G.W. Müller, 1894	x		x			x		x	x	E		
<i>Microcythere depressa</i>	9975	G.W. Müller, 1894	x		x		x			x		E		
<i>Microcythere gibba</i>	9976	G.W. Müller, 1894			x			x				E		
<i>Microcythere hians</i>	9977	G.W. Müller, 1894	x		x		x			x	x	E		
<i>Microcythere inflexa</i>	9978	G.W. Müller, 1894	x	x	x		x	x		x	x			
<i>Microcythere levis</i>	9979	G.W. Müller, 1894	x		x		x			x	x	E		
<i>Microcythere nana</i>	9980	G.W. Müller, 1894		x	x		x	x		x	x	E		
<i>Microcythere obliqua</i>	9981	G.W. Müller, 1894	x		x			x		x	x	E		
<i>Microcythere rara</i>	9982	G.W. Müller, 1894	x		x			x			x	E		
<i>Microcythere vitrea</i>	9983	Bonaduce, Ciampo & Masoli, 1976	x					x		x	x	E		
<b>Famiglia Psammocytheridae</b>														
<i>Bonaducecythere</i>	9984	McKenzie, 1977											a72	
<i>Bonaducecythere hartmanni</i>	9985	McKenzie, 1977						x						
<b>Famiglia Loxoconchidae</b>														
<i>Cytheromorpha</i>	9986	Hirschmann, 1909												
<i>Cytheromorpha fuscata</i>	9987	(Brady, 1869)								x	x			
<i>Cytheromorpha nana</i>	9988	Bonaduce, Ciampo & Masoli, 1976						x		x	x			
<i>Hirschmannia</i>	9989	Elofson, 1941											a73	
<i>Hirschmannia viridis</i>	9990	(O.F. Müller, 1785)								x	x			
<i>Loxocauda</i>	9991	Schornikov, 1969											a74	
<i>Loxocauda decipiens</i>	9992	(G.W. Müller, 1894)	x	x	x		x	x			x			
<i>Loxocauda muelleri</i>	9993	Schornikov, 1969	x											
<i>Loxoconcha</i>	9994	G.O. Sars, 1866												
<i>Loxoconcha adriatica</i>	9995	Klie, 1942								x	x			
<i>Loxoconcha affinis</i>	9996	(Brady, 1866)		x	x		x	x	x	x	x		a75	
<i>Loxoconcha alata</i>	9997	Brady, 1868							x	x	x			
<i>Loxoconcha avellana</i>	9998	(Brady, 1866)				x					x			
<i>Loxoconcha agilis</i>	9999	Ruggieri, 1967					x				x			
<i>Loxoconcha concentrica</i>	10000	Bonaduce, Ciampo & Masoli, 1976						x	x	x		E		
<i>Loxoconcha elliptica</i>	10001	Brady, 1868							x		x			
<i>Loxoconcha exagona</i>	10002	Bonaduce, Ciampo & Masoli, 1976		x				x	x					
<i>Loxoconcha gibberosa</i>	10003	Terquem, 1878						x						
<i>Loxoconcha minima</i>	10004	G.W. Müller, 1894			x			x	x	x	x			
<i>Loxoconcha ovulata</i>	10005	(O.G. Costa, 1853)	x	x	x	x	x	x	x	x	x		a76	
<i>Loxoconcha parallela</i>	10006	G.W. Müller, 1894			x				x			E		
<i>Loxoconcha pontica</i>	10007	Klie, 1937						x						A2
<i>Loxoconcha rhomboidea</i>	10008	(Fischer, 1855)	x	x	x			x		x	x			
<i>Loxoconcha rubritincta</i>	10009	Ruggieri, 1964						x	x	x	x		a77	
<i>Loxoconcha stellifera</i>	10010	G.W. Müller, 1894		x	x			x	x	x	x			
<i>Loxoconcha subrugosa</i>	10011	Ruggieri, 1967	x		x			x		x	x			
<i>Loxoconchidea</i>	10012	Bonaduce, Ciampo & Masoli, 1976												
<i>Loxoconchidea minima</i>	10013	Bonaduce, Ciampo & Masoli, 1976	x		x			x		x	x	E		
<i>Palmoconcha</i>	10014	Swain & Gilby, 1974											a78	
<i>Palmoconcha turbida</i>	10015	(G.W. Müller, 1912)	x		x		x	x	x	x	x		a79	

			1	2	3	4	5	6	7	8	9	CAR	SIN	NOTE
<i>Phlyctocythere</i>	10016	Keij, 1958											a80	
<i>Phlyctocythere pellucida</i>	10017	(G.W. Müller, 1894)	x		x		x	x	x	x	x			
<i>Pseudoloxoconcha</i>	10018	G.W. Müller, 1894												
<i>Pseudoloxoconcha minima</i>	10019	G.W. Müller, 1894			x							E		
<i>Sagmatocythere</i>	10020	Athersuch, 1976											a81	
<i>Sagmatocythere caelata</i>	10021	(Ciampo, 1976)	x	x										
<i>Sagmatocythere littoralis</i>	10022	(G.W. Müller, 1894)	x		x			x	x			E		
<i>Sagmatocythere napoliana</i>	10023	(Puri, 1963)	x		x			x	x	x	x		a82	
<i>Sagmatocythere versicolor</i>	10024	(G.W. Müller, 1894)	x	x	x		x	x	x	x	x			
<b>Famiglia Paracytherideidae</b>														
<i>Paracytheridea</i>	10025	G.W. Müller, 1894												
<i>Paracytheridea depressa</i>	10026	G.W. Müller, 1894			x			x						
<i>Paracytheridea triquetra</i>	10027	(Reuss, 1850)						x						A2
<b>Famiglia Paracytheridae</b>														
<i>Paracythere</i>	10028	G.W. Müller, 1894												
<i>Paracythere minima</i>	10029	G.W. Müller, 1894			x					x		E		
<b>Famiglia Cytheruridae</b>														
<i>Cytheropteron</i>	10030	G.O. Sars, 1866												
<i>Cytheropteron alatum</i>	10031	G.O. Sars, 1866			x		x	x	x	x				
<i>Cytheropteron ascolii</i>	10032	Carbonnel, 1969								x	x		a83	
<i>Cytheropteron garganicum</i>	10033	Bonaduce, Ciampo & Masoli, 1976							x	x		E		
<i>Cytheropteron hadriaticum</i>	10034	Bonaduce, Ciampo & Masoli, 1976						x	x	x		E		
<i>Cytheropteron latum</i>	10035	G.W. Müller, 1894	x		x		x	x	x	x	x			
<i>Cytheropteron monoceros</i>	10036	Bonaduce, Ciampo & Masoli, 1976	x		x		x	x	x	x	x	E		
<i>Cytheropteron rotundatum</i>	10037	G.W. Müller, 1894	x		x		x	x	x	x	x			
<i>Cytheropteron ruggierii</i>	10038	Pucci, 1955						x		x	x			
<i>Cytheropteron sulcatum</i>	10039	Bonaduce, Ciampo & Masoli, 1976	x		x			x		x		E		
<i>Cytheropteron venustum</i>	10040	Bonaduce, Ciampo & Masoli, 1976					x	x	x	x				
<i>Cytheropteron vespertilio</i>	10041	(Reuss, 1850)	x		x		x		x	x	x			
<i>Cytheropteron zinzulusae</i>	10042	Bonaduce, Ciampo & Masoli, 1976						x	x	x		E		
<i>Eucytherura</i>	10043	G.W. Müller, 1894												
<i>Eucytherura alata</i>	10044	G.W. Müller, 1894			x					x	x			
<i>Eucytherura angulata</i>	10045	G.W. Müller, 1894	x		x			x				E M		
<i>Eucytherura complexa</i>	10046	(Brady, 1866)			x			x	x	x				
<i>Eucytherura gibbera</i>	10047	G.W. Müller, 1894	x		x		x							
<i>Eucytherura mistrettai</i>	10048	Sissingh, 1972	x					x	x	x	x			
<i>Hemicytherura</i>	10049	Elofson, 1941											a84	
<i>Hemicytherura defiorei</i>	10050	Ruggieri, 1953	x	x	x			x	x	x	x			
<i>Hemicytherura gracilicosta</i>	10051	Ruggieri, 1953	x	x	x		x	x		x				
<i>Hemicytherura videns</i>	10052	(G.W. Müller, 1894)			x		x	x			x			
<i>Hemiparacytheridea</i>	10053	Herrig, 1963											a85	
<i>Hemiparacytheridea infelix</i>	10054	(Bonaduce, Ciampo & Masoli, 1976)	x							x				
<i>Kangarina</i>	10055	Coryell & Fields, 1937											a86	
<i>Kangarina abyssicola</i>	10056	(G.W. Müller, 1894)	x		x			x	x					
<i>Microceratina</i>	10057	Swanson, 1980											a87	
<i>Microceratina amfibola</i>	10058	(Barbeito-Gonzalez, 1971)			x			x		x			a88	
<i>Microceratina pseudoamfibola</i>	10059	(Barbeito-Gonzalez, 1971)			x									A3
<i>Microcytherura</i>	10060	G.W. Müller, 1894											a89	
<i>Microcytherura angulosa</i>	10061	(Seguenza, 1880)	x	x	x		x	x	x	x	x			



			1	2	3	4	5	6	7	8	9	CAR	SIN	NOTE
<i>Microcytherura fulva</i>	10062	(Brady & Robertson, 1874)			x			x			x			
<i>Microcytherura nigrescens</i>	10063	G.W. Müller, 1894			x			x			x	E M		
<i>Parahemingwayella</i>	10064	Dingle, 1984											a90	
<i>Parahemingwayella tetrapteron</i>	10065	(Bonaduce, Ciampo & Masoli, 1976)	x		x		x	x		x				
<i>Pedicythere</i>	10066	Eagar, 1965												
<i>Pedicythere mirabilis</i>	10067	Sissingh, 1975						x	x	x		E		
<i>Pedicythere phryne</i>	10068	Bonaduce, Ciampo & Masoli, 1976						x	x	x		E		
<i>Pseudocytherura</i>	10069	Dubowsky, 1939											a91	
<i>Pseudocytherura strangulata</i>	10070	Ruggieri, 1991			x	x		x	x	x	x		a92	
<i>Rimacytheropteron</i>	10071	Whatley & Coles, 1987											a93	
<i>Rimacytheropteron longipunctatum</i>	10072	(Breman, 1976)					x		x	x			a94	
<i>Semicytherura</i>	10073	Wagner, 1957											a95	
<i>Semicytherura abdita</i>	10074	Bonaduce, Ciampo & Masoli, 1976	x		x				x			E		
<i>Semicytherura acuminata</i>	10075	(G.W. Müller, 1894)			x		x	x	x	x	x			
<i>Semicytherura acuta</i>	10076	(G.W. Müller, 1912)			x			x	x	x	x	E	a96	
<i>Semicytherura acuticostata</i>	10077	(G.O. Sars, 1866)	x	x	x	x	x	x			x	x		
<i>Semicytherura aenariensis</i>	10078	Bonaduce, Ciampo & Masoli, 1976	x						x			E M		
<i>Semicytherura alifera</i>	10079	Ruggieri, 1959	x	x	x		x	x	x	x	x		a97	
<i>Semicytherura amorpha</i>	10080	Bonaduce, Ciampo & Masoli, 1976						x		x		E M		
<i>Semicytherura biciemmei</i>	10081	Ruggieri, 1991						x	x					
<i>Semicytherura brachyptera</i>	10082	(Ruggieri, 1952)	x					x	x	x	x			
<i>Semicytherura calabra</i>	10083	Ruggieri, 1976	x									M		
<i>Semicytherura costata</i>	10084	(G.W. Müller, 1894)			x			x						
<i>Semicytherura cribriformis</i>	10085	(G.W. Müller, 1894)			x		x							
<i>Semicytherura diafora</i>	10086	Barbeito-Gonzalez, 1971			x			x	x	x	x			
<i>Semicytherura dispar</i>	10087	(G.W. Müller, 1894)	x	x	x		x	x	x	x	x			
<i>Semicytherura heinzei</i>	10088	Puri, 1963			x						x		a98	
<i>Semicytherura incongruens</i>	10089	(G.W. Müller, 1894)	x	x	x		x	x	x	x	x			
<i>Semicytherura inversa</i>	10090	(Seguenza, 1880)		x	x		x	x	x	x	x			
<i>Semicytherura janinae</i>	10091	Aiello, Barra & Bonaduce, 2001			x							E	a99	
<i>Semicytherura kaloderma</i>	10092	Bonaduce & Pugliese, 1975							x					
<i>Semicytherura mediterranea</i>	10093	(G.W. Müller, 1894)			x		x	x		x				
<i>Semicytherura occulta</i>	10094	Bonaduce, Ciampo & Masoli, 1976						x				E M		
<i>Semicytherura paradoxa</i>	10095	(G.W. Müller, 1894)	x	x	x		x	x	x	x	x			
<i>Semicytherura psila</i>	10096	Barbeito-Gonzalez, 1971									x			
<i>Semicytherura punctata</i>	10097	(G.W. Müller, 1894)			x		x	x	x	x	x			
<i>Semicytherura quadridentata</i>	10098	(Hartmann, 1953)						x		x	x			
<i>Semicytherura rara</i>	10099	(G.W. Müller, 1894)	x		x			x		x	x			
<i>Semicytherura rarecostata</i>	10100	Bonaduce, Ciampo & Masoli, 1976		x				x		x	x	E		
<i>Semicytherura reticulata</i>	10101	(G.W. Müller, 1894)			x			x				M		
<i>Semicytherura robusta</i>	10102	Bonaduce, Ciampo & Masoli, 1976	x					x	x	x	x			
<i>Semicytherura ruggierii</i>	10103	(Pucci, 1955)	x				x	x	x	x	x			
<i>Semicytherura sella</i>	10104	(G.O. Sars, 1866)								x	x			
<i>Semicytherura simplex</i>	10105	(Brady & Norman, 1889)			x			x						
<i>Semicytherura stilifera</i>	10106	Bonaduce, Ciampo & Masoli, 1976						x		x		E		
<i>Semicytherura sulcata</i>	10107	(G.W. Müller, 1894)	x		x			x	x	x	x			



		1	2	3	4	5	6	7	8	9	CAR	SIN	NOTE
<i>Cytherois fischeri</i>	10153	(Sars, 1866)								x			
<i>Cytherois frequens</i>	10154	G.W. Müller, 1894	x	x	x	x	x		x	x			
<i>Cytherois incongruens</i>	10155	G.W. Müller, 1894			x		x				E	M	
<i>Cytherois joachinoi</i>	10156	Barra, 1992					x						A2
<i>Cytherois pontica</i>	10157	Marinov, 1966					x						A2
<i>Cytherois succinea</i>	10158	G.W. Müller, 1894			x		x		x	x	M		
<i>Cytherois triangularis</i>	10159	Bonaduce, Masoli, Minichelli & Pugliese, 1979					x						
<i>Cytherois uffenordei</i>	10160	Ruggieri, 1974	x					x	x	x			
<i>Paracytherois</i>	10161	G.W. Müller, 1894											
<i>Paracytherois acuminata</i>	10162	G.W. Müller, 1894			x		x		x		E		
<i>Paracytherois arcuata</i>	10163	(Brady, 1868)			x								
<i>Paracytherois flexuosa</i>	10164	(Brady, 1867)	x	x	x	x			x				
<i>Paracytherois mediterranea</i>	10165	Bonaduce, Ciampo & Masoli, 1976					x	x	x	x			
<i>Paracytherois oblonga</i>	10166	G.W. Müller, 1894		x	x	x			x		E		
<i>Paracytherois producta</i>	10167	(Brady & Norman, 1889)			x								
<i>Paracytherois rara</i>	10168	G.W. Müller, 1894	x		x			x	x		E		
<i>Paracytherois striata</i>	10169	G.W. Müller, 1894	x		x	x	x	x	x	x			
<i>Paracytherois sulcata</i>	10170	G.W. Müller, 1894			x								
<i>Paradoxostoma</i>	10171	Fischer, 1855											a106
<i>Paradoxostoma acuminatum</i>	10172	G.W. Müller, 1894			x		x				E	M	
<i>Paradoxostoma angustum</i>	10173	G.W. Müller, 1894			x		x	x	x				
<i>Paradoxostoma atrum</i>	10174	G.W. Müller, 1894			x								
<i>Paradoxostoma breve</i>	10175	G.W. Müller, 1894			x		x						
<i>Paradoxostoma caecum</i>	10176	G.W. Müller, 1894			x		x		x				
<i>Paradoxostoma cylindricum</i>	10177	G.W. Müller, 1894			x		x						
<i>Paradoxostoma fuscum</i>	10178	G.W. Müller, 1894			x								
<i>Paradoxostoma incongruens</i>	10179	G.W. Müller, 1894	x		x	x	x						
<i>Paradoxostoma intermedium</i>	10180	G.W. Müller, 1894			x		x						
<i>Paradoxostoma maculatum</i>	10181	G.W. Müller, 1894			x						E	M	
<i>Paradoxostoma mediterraneum</i>	10182	G.W. Müller, 1894			x						M		
<i>Paradoxostoma parallelum</i>	10183	G.W. Müller, 1894			x								
<i>Paradoxostoma planum</i>	10184	G.W. Müller, 1894			x		x						
<i>Paradoxostoma rarum</i>	10185	G.W. Müller, 1894			x								
<i>Paradoxostoma rotundatum</i>	10186	G.W. Müller, 1894			x						M		
<i>Paradoxostoma rubrum</i>	10187	G.W. Müller, 1894			x		x				E		
<i>Paradoxostoma simile</i>	10188	G.W. Müller, 1894	x		x	x	x		x	x			
<i>Paradoxostoma striatum</i>	10189	G.W. Müller, 1894			x								
<i>Paradoxostoma taeniatum</i>	10190	G.W. Müller, 1894			x						M		
<i>Paradoxostoma tenuissimum</i>	10191	(Norman, 1869)	x				x		x				
<i>Paradoxostoma triste</i>	10192	G.W. Müller, 1894			x	x	x	x	x		E	M	
<i>Paradoxostoma versicolor</i>	10193	G.W. Müller, 1894			x		x						

### Sinonimi

- a1: specie del genere *Skogsbergia* sono state precedentemente incluse in *Cypridina* M. Edwards, 1840
- a2: specie del genere *Parasterope* sono state precedentemente incluse in *Cylindroleberis* Brady, 1867
- a3: specie del genere *Euphilomedes* sono state precedentemente incluse in *Philomedes* Lilljeborg, 1853
- a4: citata precedentemente come *Philomedes interpuncta* (Baird, 1850)

### Synonyms

- a1: species pertaining to the genus *Skogsbergia* were previously assigned to *Cypridina* M. Edwards, 1840
- a2: species pertaining to the genus *Parasterope* have been previously assigned to *Cylindroleberis* Brady, 1867
- a3: species pertaining to the genus *Euphilomedes* have been previously assigned to *Philomedes* Lilljeborg, 1853
- a4: previously recorded as *Philomedes interpuncta* (Baird, 1850)

- a5: specie del genere *Philomedes* sono state precedentemente incluse in *Cypridina* M. Edwards, 1840
- a6: specie del genere *Conchoecia* sono state precedentemente incluse in *Halocypris* Dana, 1853
- a7: specie del genere *Polycope* sono state precedentemente incluse in *Metapolycope* Kornicker, 1976
- a8: citata anche come *Cytherella vandenboldi* Sissingh, 1972
- a9: citata anche come *Cytherella vulgata* Ruggieri, 1962
- a10: specie del genere *Cytherelloidea* sono state precedentemente incluse in *Cytherella* Jones, 1849
- a11: specie del genere *Bairdoppilata* sono state precedentemente incluse in *Bairdia* M'Coy, 1844
- a12: specie del genere *Neonesidea* sono state precedentemente incluse in *Bairdia* M'Coy, 1844
- a13: descritta successivamente come *Bairdia serrata* G.W. Müller, 1894
- a14: specie del genere *Paranesidea* sono state precedentemente incluse in *Bairdia* M'Coy, 1844
- a15: specie del genere *Triebelina* sono state precedentemente incluse in *Bairdia* M'Coy, 1844
- a16: specie del genere *Anchistrocheles* sono state precedentemente incluse in *Bythocypris* Brady, 1880
- a17: specie del genere *Bythocypris* sono state precedentemente incluse in *Bairdia* M'Coy, 1844
- a18: citata anche come *Bythocypris lucida* (Seguenza, 1880)
- a19: citata anche come *Bythocypris producta* (Seguenza, 1880)
- a20: specie del genere *Macrocypris* sono state precedentemente incluse in *Macrocypris* Brady, 1868
- a21: specie del genere *Macrocyprina* sono state precedentemente incluse in *Macrocypris* Brady, 1868
- a22: specie del genere *Macromckenziea* sono state precedentemente incluse in *Macrocypris* Brady, 1868
- a23: specie del genere *Pontocypris* sono state precedentemente incluse in *Erythrocypris* G.W. Müller, 1894
- a24: citata anche come *Erythrocypris mytiloides* (Norman, 1862)
- a25: specie del genere *Propontocypris* sono state precedentemente incluse in *Pontocypris* G.O. Sars, 1866
- a26: specie del genere *Aglaiocypris* sono state precedentemente incluse in *Paracypris* G.O. Sars, 1866
- a27: specie del genere *Eucythere* sono state precedentemente incluse in *Cythere* O.F. Müller, 1785
- a28: specie del genere *Callistocythere* sono state precedentemente incluse in *Cythere* O.F. Müller, 1785 e *Leptocythere* G.O. Sars, 1925
- a29: citata anche come *Callistocythere flavidofusca* Bonaduce, Ciampo & Masoli, 1976
- a30: specie del genere *Leptocythere* sono state precedentemente incluse in *Cythere* O.F. Müller, 1785
- a31: citata precedentemente come *Cythere fabaeformis* G.W. Müller, 1894 (nome pre-occupato)
- a32: citata anche come *Neocytherideis foveolata* (Brady, 1870) e *Neocytherideis fasciata* (Brady & Robertson, 1874)
- a33: citata anche come *Neocytherideis fasciata* (Brady & Robertson, 1874)
- a34: specie del genere *Procytherideis* sono state precedentemente incluse in *Neocytherideis* Puri, 1952
- a35: citata e figurata come *Neocytherideis* sp. 1 in Bonaduce *et al.*, 1976
- a36: sostituisce il genere *Sahnia* Puri, 1952, invalidato
- a37: precedentemente citata come *Sahnia subulata* (Brady, 1868)
- a38: specie del genere *Pontocythere* sono state precedentemente incluse in *Cytheridea* Bosquet, 1852
- a39: specie del genere *Krithe* sono state precedentemente incluse in *Ilyobates* G.O. Sars, 1866 non Kraatz, 1858
- a40: specie del genere *Parakrithe* sono state precedentemente incluse in *Krithe* Brady, Crosskey & Robertson, 1874
- a41: specie del genere *Pseudopsammocythere* sono state precedentemente incluse in *Krithe* Brady, Crosskey & Robertson, 1874
- a5: species pertaining to the genus *Philomedes* have been previously assigned to *Cypridina* M. Edwards, 1840
- a6: species pertaining to the genus *Conchoecia* have been previously assigned to *Halocypris* Dana, 1853
- a7: species pertaining to the genus *Polycope* have been previously assigned to *Metapolycope* Kornicker, 1976
- a8: also recorded as *Cytherella vandenboldi* Sissingh, 1972
- a9: also recorded as *Cytherella vulgata* Ruggieri, 1962
- a10: species pertaining to the genus *Cytherelloidea* have been previously assigned to *Cytherella* Jones, 1849
- a11: species pertaining to the genus *Bairdoppilata* have been previously assigned to *Bairdia* M'Coy, 1844
- a12: species pertaining to the genus *Neonesidea* have been previously assigned to *Bairdia* M'Coy, 1844
- a13: later described as *Bairdia serrata* G.W. Müller, 1894
- a14: species pertaining to the genus *Paranesidea* have been previously assigned to *Bairdia* M'Coy, 1844
- a15: species pertaining to the genus *Triebelina* have been previously assigned to *Bairdia* M'Coy, 1844
- a16: species pertaining to the genus *Anchistrocheles* have been previously assigned to *Bythocypris* Brady, 1880
- a17: species pertaining to the genus *Bythocypris* have been previously assigned to *Bairdia* M'Coy, 1844
- a18: also recorded as *Bythocypris lucida* (Seguenza, 1880)
- a19: also recorded as *Bythocypris producta* (Seguenza, 1880)
- a20: species pertaining to the genus *Macrocyprina* have been previously assigned to *Macrocypris* Brady, 1868
- a21: species pertaining to the genus *Macromckenziea* have been previously assigned to *Macrocypris* Brady, 1868
- a22: species pertaining to the genus *Macrocypris* have been previously assigned to *Macrocypris* Brady, 1868
- a23: species pertaining to the genus *Pontocypris* have been previously assigned to *Erythrocypris* G.W. Müller, 1894
- a24: also recorded as *Erythrocypris mytiloides* (Norman, 1862)
- a25: species pertaining to the genus *Propontocypris* have been previously assigned to *Pontocypris* G.O. Sars, 1866
- a26: species pertaining to the genus *Aglaiocypris* have been previously assigned to *Paracypris* G.O. Sars, 1866
- a27: species pertaining to the genus *Eucythere* have been previously assigned to *Cythere* O.F. Müller, 1785
- a28: species pertaining to the genus *Callistocythere* have been previously assigned to *Cythere* O.F. Müller, 1785 and *Leptocythere* G.O. Sars, 1925
- a29: also recorded as *Callistocythere flavidofusca* Bonaduce, Ciampo & Masoli, 1976
- a30: species pertaining to the genus *Leptocythere* have been previously assigned to *Cythere* O.F. Müller, 1785
- a31: previously recorded as *Cythere fabaeformis* G.W. Müller, 1894 (preoccupied name)
- a32: also recorded as *Neocytherideis foveolata* (Brady, 1870) and *Neocytherideis fasciata* (Brady & Robertson, 1874)
- a33: also recorded as *Neocytherideis fasciata* (Brady & Robertson, 1874)
- a34: species pertaining to the genus *Procytherideis* have been previously assigned to *Neocytherideis* Puri, 1952
- a35: cited and figured as *Neocytherideis* sp. 1 in Bonaduce *et al.*, 1976
- a36: replaces the invalid genus *Sahnia* Puri, 1952
- a37: previously recorded as *Sahnia subulata* (Brady, 1868)
- a38: species pertaining to the genus *Pontocythere* have been previously assigned to *Cytheridea* Bosquet, 1852
- a39: species pertaining to the genus *Krithe* have been previously assigned to *Ilyobates* G.O. Sars, 1866 non Kraatz, 1858
- a40: species pertaining to the genus *Parakrithe* have been previously assigned to *Krithe* Brady, Crosskey & Robertson, 1874
- a41: species pertaining to the genus *Pseudopsammocythere* have been previously assigned to *Krithe* Brady, Crosskey & Robertson, 1874



- a42: specie del genere *Acanthocythereis* sono state precedentemente incluse in *Cypridina* M. Edwards, 1840 e *Cythereis* Jones, 1849
- a43: citata precedentemente come *Cythereis ornata* G.W. Müller, 1894 (nome pre-occupato)
- a44: specie del genere *Basslerites* sono state precedentemente incluse in *Cythere* O.F. Müller, 1785
- a45: specie del genere *Bosquetina* sono state precedentemente incluse in *Cythereis* Jones, 1849
- a46: specie del genere *Buntonia* sono state precedentemente incluse in *Cythereis* Jones, 1849
- a47: specie del genere *Carinocythereis* sono state precedentemente incluse in *Cythereis* Jones, 1849
- a48: descritta successivamente come *Cythereis antiquata* Baird, 1850
- a49: descritta successivamente come *Carinocythereis bairdi* Uliczny, 1969 e citata anche come *Carinocythereis carinata*
- a50: il genere *Hiltermannicythere* Bassiouni, 1970 è qui considerato sinonimo di *Cistacythereis*
- a51: specie del genere *Costa* sono state precedentemente incluse in *Cythereis* Jones, 1849
- a52: citata anche come *Cythereis hamata* G.W. Müller, 1894
- a53: specie del genere *Echinocythereis* sono state precedentemente incluse in *Cythereis* Jones, 1849
- a54: citata anche come *Cythereis laticarina* Brady, 1868
- a55: specie del genere *Falsocythere* sono state precedentemente incluse in *Occultocythereis* Howe, 1951
- a56: descritta successivamente come *Occultocythereis ? maccagnoi* Ciampo, 1971
- a57: specie del genere *Henryhowella* sono state precedentemente incluse in *Cythereis* Jones, 1849
- a58: citata anche come *Henryhowella asperrima* (Reuss, 1850)
- a59: specie del genere *Occultocythereis* sono state precedentemente incluse in *Cythereis* Jones, 1849
- a60: citata precedentemente come *Cythereis lineata* G.W. Müller, 1894 (nome pre-occupato)
- a61: specie del genere *Pterygocythereis* sono state precedentemente incluse in *Cythereis* Jones, 1849
- a62: citata precedentemente come *Cythere ceratoptera* Bosquet, 1852
- a63: specie del genere *Rectobuntonia* sono state precedentemente incluse in *Buntonia* Howe, 1935
- a64: specie del genere *Aurila* sono state precedentemente incluse in *Cythere* O.F. Müller, 1785, *Cythereis* Jones, 1849 e *Mutilus* Neviani, 1928
- a65: descritta successivamente come *Cythere woodwardii* Brady, 1868
- a66: citata precedentemente come *Heterocythereis albomaculata* (Baird, 1838)
- a67: specie del genere *Tenedocythere* sono state precedentemente incluse in *Cythereis* Jones, 1849 e *Quadracythere* Hornibrook, 1952
- a68: descritta successivamente come *Cythereis polygonata* Rome, 1942
- a69: specie del genere *Urocythereis* sono state precedentemente incluse in *Cythereis* Jones, 1849
- a70: specie del genere *Cytheretta* sono state precedentemente incluse in *Cytherina* Lamarck, 1818
- a71: descritta successivamente come *Cytheretta rubra* G.W. Müller, 1894
- a72: descritta successivamente come Bonaducecytheridae McKenzie, 1977
- a73: specie del genere *Hirschmannia* sono state precedentemente incluse in *Loxoconcha* G.O. Sars, 1866
- a74: specie del genere *Loxocauda* sono state precedentemente incluse in *Loxoconcha* G.O. Sars, 1866
- a75: citata anche come *Cythere impressa* Baird, 1850 e descritta successivamente come *Loxoconcha bairdi* G.W. Müller, 1912
- a76: descritta successivamente come *Loxoconcha tumida* Brady, 1869
- a42: species pertaining to the genus *Acanthocythereis* have been previously assigned to *Cypridina* M. Edwards, 1840 and *Cythereis* Jones, 1849
- a43: previously recorded as *Cythereis ornata* G.W. Müller, 1894 (preoccupied name)
- a44: species pertaining to the genus *Basslerites* have been previously assigned to *Cythere* O.F. Müller, 1785
- a45: species pertaining to the genus *Bosquetina* have been previously assigned to *Cythereis* Jones, 1849
- a46: species pertaining to the genus *Buntonia* have been previously assigned to *Cythereis* Jones, 1849
- a47: species pertaining to the genus *Carinocythereis* have been previously assigned to *Cythereis* Jones, 1849
- a48: later described as *Cythereis antiquata* Baird, 1850
- a49: later described as *Carinocythereis bairdi* Uliczny, 1969 and also recorded as *Carinocythereis carinata*
- a50: the genus *Hiltermannicythere* Bassiouni, 1970 is here recognized younger synonym of *Cistacythereis*
- a51: species pertaining to the genus *Costa* have been previously assigned to *Cythereis* Jones, 1849
- a52: also recorded as *Cythereis hamata* G.W. Müller, 1894
- a53: species pertaining to the genus *Echinocythereis* have been previously assigned to *Cythereis* Jones, 1849
- a54: also recorded as *Cythereis laticarina* Brady, 1868
- a55: species pertaining to the genus *Falsocythere* have been previously assigned to *Occultocythereis* Howe, 1951
- a56: later described as *Occultocythereis ? maccagnoi* Ciampo, 1971
- a57: species pertaining to the genus *Henryhowella* have been previously assigned to *Cythereis* Jones, 1849
- a58: also recorded as *Henryhowella asperrima* (Reuss, 1850)
- a59: species pertaining to the genus *Occultocythereis* have been previously assigned to *Cythereis* Jones, 1849
- a60: previously recorded as *Cythereis lineata* G.W. Müller, 1894 (preoccupied name)
- a61: species pertaining to the genus *Pterygocythereis* have been previously assigned to *Cythereis* Jones, 1849
- a62: previously recorded as *Cythere ceratoptera* Bosquet, 1852
- a63: species pertaining to the genus *Rectobuntonia* have been previously assigned to *Buntonia* Howe, 1935
- a64: species pertaining to the genus *Aurila* have been previously assigned to *Cythere* O.F. Müller, 1785, *Cythereis* Jones, 1849 and *Mutilus* Neviani, 1928
- a65: later described as *Cythere woodwardii* Brady, 1868
- a66: previously recorded as *Heterocythereis albomaculata* (Baird, 1838)
- a67: species pertaining to the genus *Tenedocythere* have been previously assigned to *Cythereis* Jones, 1849 and *Quadracythere* Hornibrook, 1952
- a68: later described as *Cythereis polygonata* Rome, 1942
- a69: species pertaining to the genus *Urocythereis* have been previously assigned to *Cythereis* Jones, 1849
- a70: species pertaining to the genus *Cytheretta* have been previously assigned to *Cytherina* Lamarck, 1818
- a71: later described as *Cytheretta rubra* G.W. Müller, 1894
- a72: later described as Bonaducecytheridae McKenzie, 1977
- a73: species pertaining to the genus *Hirschmannia* have been previously assigned to *Loxoconcha* G.O. Sars, 1866
- a74: species pertaining to the genus *Loxocauda* have been previously assigned to *Loxoconcha* G.O. Sars, 1866
- a75: also recorded as *Cythere impressa* Baird, 1850 and later described as *Loxoconcha bairdi* G.W. Müller, 1912
- a76: later described as *Loxoconcha tumida* Brady, 1869

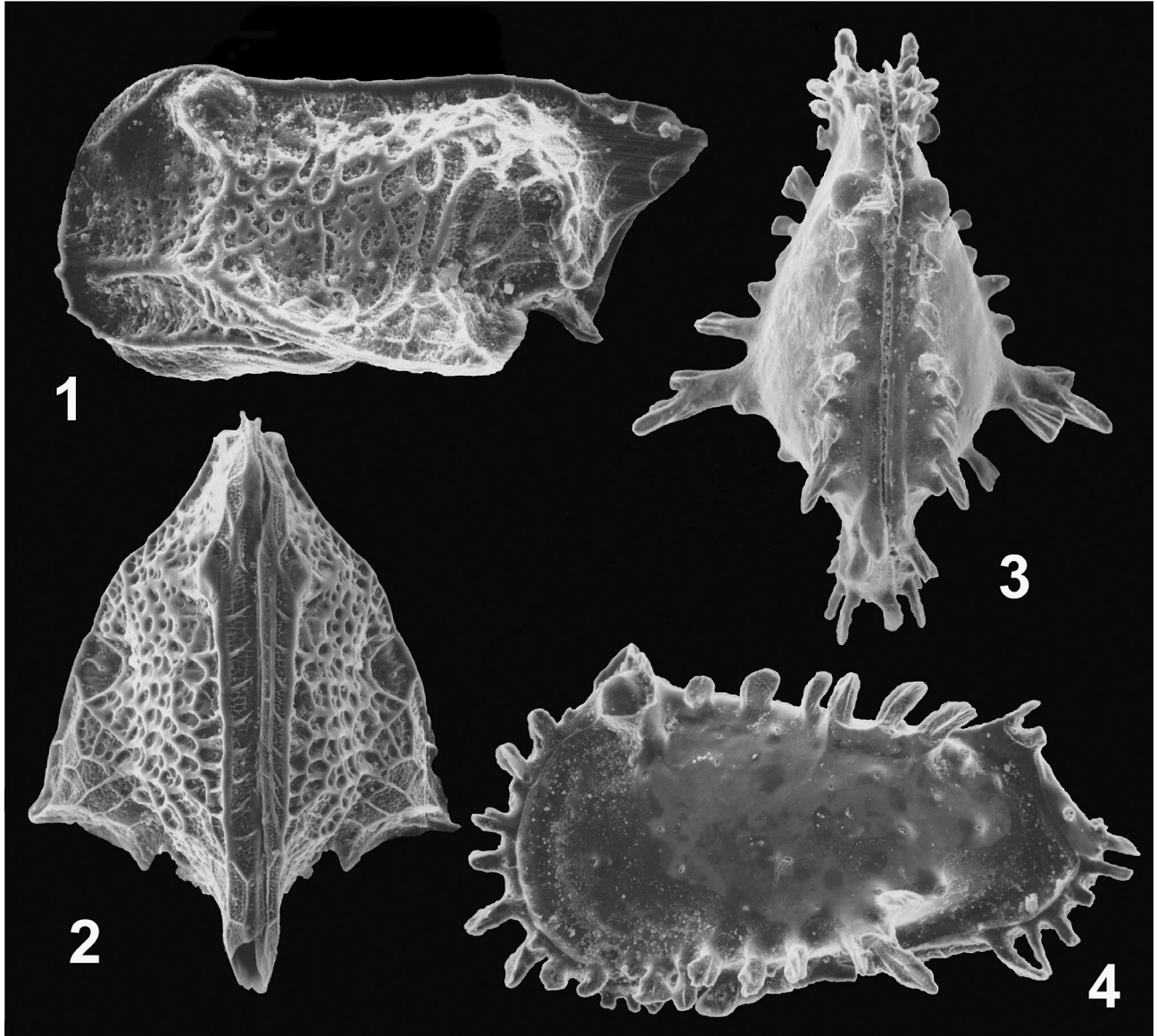
- a77: descritta successivamente come *Loxoconcha geometrica* Bonaduce, Ciampo & Masoli, 1976
- a78: specie del genere *Palmoconcha* sono state precedentemente incluse in *Loxoconcha* G.O. Sars, 1866
- a79: citata precedentemente come *Loxoconcha levis* G.W. Müller, 1894 (nome pre-occupato)
- a80: specie del genere *Phlyctocythere* sono state precedentemente incluse in *Loxoconcha* G.O. Sars, 1866.
- a81: specie del genere *Sagmatocythere* sono state precedentemente incluse in *Loxoconcha* G.O. Sars, 1866
- a82: citata precedentemente come *Loxoconcha mediterranea* G.W. Müller, 1894 (nome pre-occupato)
- a83: citata anche come *Cytheropteron rotundatum*
- a84: specie del genere *Hemicytherura* sono state precedentemente incluse in *Cytheropteron* G.O. Sars, 1866
- a85: il genere *Tuberculoocythere* Colalongo & Pasini, 1980 è qui considerato sinonimo di *Hemiparacytheridea*
- a86: specie del genere *Kangarina* sono state precedentemente incluse in *Cytheropteron* G.O. Sars, 1866
- a87: specie del genere *Microceratina* sono state precedentemente incluse in *Eucytherura* G.W. Müller, 1894
- a88: citata precedentemente come *Monoceratina amfibola* (Barbeito-Gonzalez, 1971)
- a89: specie del genere *Microcytherura* sono state precedentemente incluse in *Cytherura* G.O. Sars, 1866; il genere *Tetracytherura* Ruggieri, 1952 è qui considerato sinonimo di *Microcytherura*
- a90: specie del genere *Parahemingwayella* sono state precedentemente incluse in *Cytheropteron* G.O. Sars, 1866 e *Tuberculoocythere* Colalongo & Pasini, 1980
- a91: specie del genere *Pseudocytherura* sono state precedentemente incluse in *Cytherura* G.O. Sars, 1866
- a92: citata anche come *Pseudocytherura calcarata* (Seguenza, 1885)
- a93: specie del genere *Rimacytheropteron* sono state precedentemente incluse in *Pedicythere* Eagar, 1965
- a94: descritta successivamente come *Pedicythere ? tessellata* Bonaduce, Ciampo & Masoli, 1976 (vedi Aiello *et al.*, 2000)
- a95: specie del genere *Semicytherura* sono state precedentemente incluse in *Cytherura* G.O. Sars, 1866
- a96: citata precedentemente come *Cytherura nigrescens* G.W. Müller, 1894 (nome pre-occupato) e come *Semicytherura muelleri* Puri, 1963
- a97: citata precedentemente come *Cytherura alata* G.W. Müller, 1894 (nome pre-occupato)
- a98: citata precedentemente come *Cytherura neglecta* G.W. Müller, 1894 (nome pre-occupato)
- a99: citata precedentemente come *Cytheropteron rarum* G.W. Müller, 1894 (nome pre-occupato)
- a100: specie del genere *Platyleberis* sono state precedentemente incluse in *Microxestoleberis* G.W. Müller, 1894
- a101: citata anche come *Xestoleberis margaritea* (Brady, 1866)
- a102: specie del genere *Dopseuocythere* sono state precedentemente incluse in *Pseudocythere* G.O. Sars, 1866
- a103: citata precedentemente come *Pseudocythere caudata* G.O. Sars, 1866 e *P. caudata mediterranea* Bonaduce, Masoli, Pugliese & McKenzie, 1980
- a104: specie del genere *Monoceratina* sono state precedentemente incluse in *Eucytherura* G.W. Müller, 1894
- a105: specie del genere *Rostrocythere* sono state precedentemente incluse in *Pseudocythere* Sars, 1866
- a106: i generi *Xiphichilus* Brady, 1870 e *Machaerina* Brady & Norman, 1889 sono qui considerati sinonimi di *Paradoxostoma*
- a77: later described as *Loxoconcha geometrica* Bonaduce, Ciampo & Masoli, 1976
- a78: species pertaining to the genus *Palmoconcha* have been previously assigned to *Loxoconcha* G.O. Sars, 1866
- a79: previously recorded as *Loxoconcha levis* G.W. Müller, 1894 (preoccupied name)
- a80: species pertaining to the genus *Phlyctocythere* have been previously assigned to *Loxoconcha* G.O. Sars, 1866
- a81: species pertaining to the genus *Sagmatocythere* have been previously assigned to *Loxoconcha* G.O. Sars, 1866
- a82: previously recorded as *Loxoconcha mediterranea* G.W. Müller, 1894 (preoccupied name)
- a83: also recorded as *Cytheropteron rotundatum*
- a84: species pertaining to the genus *Hemicytherura* have been previously assigned to *Cytheropteron* G.O. Sars, 1866
- a85: the genus *Tuberculoocythere* Colalongo & Pasini, 1980 is here recognized younger synonym of *Hemiparacytheridea*
- a86: species pertaining to the genus *Kangarina* have been previously assigned to *Cytheropteron* G.O. Sars, 1866
- a87: species pertaining to the genus *Microceratina* have been previously assigned to *Eucytherura* G.W. Müller, 1894
- a88: previously recorded as *Monoceratina amfibola* (Barbeito-Gonzalez, 1971)
- a89: species pertaining to the genus *Microcytherura* have been previously assigned to *Cytherura* G.O. Sars, 1866; the genus *Tetracytherura* Ruggieri, 1952 is here recognized younger synonym of *Microcytherura*.
- a90: species pertaining to the genus *Parahemingwayella* have been previously assigned to *Cytheropteron* G.O. Sars, 1866 and *Tuberculoocythere* Colalongo & Pasini, 1980
- a91: species pertaining to the genus *Pseudocytherura* have been previously assigned to *Cytherura* G.O. Sars, 1866
- a92: also recorded as *Pseudocytherura calcarata* (Seguenza, 1885)
- a93: species pertaining to the genus *Rimacytheropteron* have been previously assigned to *Pedicythere* Eagar, 1965
- a94: later described as *Pedicythere ? tessellata* Bonaduce, Ciampo & Masoli, 1976 (see Aiello *et al.*, 2000)
- a95: species pertaining to the genus *Semicytherura* have been previously assigned to *Cytherura* G.O. Sars, 1866
- a96: previously recorded as *Cytherura nigrescens* G.W. Müller, 1894 (preoccupied name) and as *Semicytherura muelleri* Puri, 1963
- a97: previously recorded as *Cytherura alata* G.W. Müller, 1894 (preoccupied name)
- a98: previously recorded as *Cytherura neglecta* G.W. Müller, 1894 (preoccupied name)
- a99: previously recorded as *Cytheropteron rarum* G.W. Müller, 1894 (preoccupied name)
- a100: species pertaining to the genus *Platyleberis* have been previously assigned to *Microxestoleberis* G.W. Müller, 1894
- a101: also recorded as *Xestoleberis margaritea* (Brady, 1866)
- a102: species pertaining to the genus *Dopseuocythere* have been previously assigned to *Pseudocythere* G.O. Sars, 1866
- a103: previously recorded as *Pseudocythere caudata* G.O. Sars, 1866 and *P. caudata mediterranea* Bonaduce, Masoli, Pugliese & McKenzie, 1980
- a104: species pertaining to the genus *Monoceratina* have been previously assigned to *Eucytherura* G.W. Müller, 1894
- a105: species pertaining to the genus *Rostrocythere* have been previously assigned to *Pseudocythere* Sars, 1866
- a106: the genera *Xiphichilus* Brady, 1870 and *Machaerina* Brady & Norman, 1889 are here recognized younger synonyms of *Paradoxostoma*

**Note**

- A1: segnalata nei mari italiani da Aiello *et al.*, 1996c  
 A2: segnalata per la prima volta in acque italiane da Aiello *et al.*, 2006  
 A3: segnalata per la prima volta in acque italiane da Arbutta *et al.*, 2004  
 A4: segnalata per la prima volta nel Golfo di Taranto da Aiello *et al.*, 2006  
 A5: segnalata per la prima volta in acque italiane da Malz & Jellinek, 1994

**Remarks**

- A1: recorded in Italian waters by Aiello *et al.*, 1996c  
 A2: first recorded in Italian waters by Aiello *et al.*, 2006  
 A3: first recorded in Italian waters by Arbutta *et al.*, 2004  
 A4: first recorded in the Gulf of Taranto by Aiello *et al.*, 2006  
 A5: first recorded in Italian waters by Malz & Jellinek, 1994



(D. Barra &amp; G. Aiello)

- 1) *Semicatherura alifera* Ruggieri, 1959; Golfo di Napoli; valva sinistra in visione laterale esterna ( $\times 197$ ).  
*Semicatherura alifera* Ruggieri, 1959; Bay of Naples; left valve in external lateral view ( $\times 197$ ).
- 2) *Semicatherura alifera* Ruggieri, 1959; Golfo di Napoli; carapace in visione dorsale ( $\times 164$ ).  
*Semicatherura alifera* Ruggieri, 1959; Bay of Naples; carapace in dorsal view ( $\times 164$ ).
- 3) *Pterygocythereis siveteri* Athersuch, 1978; Golfo di Napoli; carapace in visione dorsale ( $\times 84$ ).  
*Pterygocythereis siveteri* Athersuch, 1978; Bay of Naples; carapace in dorsal view ( $\times 84$ ).
- 4) *Pterygocythereis siveteri* Athersuch, 1978; Golfo di Napoli; valva sinistra in visione laterale esterna ( $\times 94$ ).  
*Pterygocythereis siveteri* Athersuch, 1978; Bay of Naples; left valve in external lateral view ( $\times 94$ ).