

G. INNOCENTI (\*)

## COLLECTIONS OF THE NATURAL HISTORY MUSEUM, ZOOLOGICAL SECTION «LA SPECOLA» OF THE UNIVERSITY OF FLORENCE XXVII. CRUSTACEA, CLASSES BRANCHIOPODA, OSTRACODA AND MAXILLOPODA, SUBCLASSES BRANCHIURA AND COPEPODA

**Abstract** - A list of the specimens belonging to the classes Branchiopoda, Ostracoda and Maxillopoda, subclasses Branchiura and Copepoda, preserved in the Zoological Section «La Specola» of the Natural History Museum of the University of Florence is given.

**Key words** - Branchiopoda, Ostracoda, Maxillopoda, Branchiura, Copepoda, Granata, systematics, collections.

**Riassunto** - *Cataloghi del Museo di Storia Naturale dell'Università di Firenze, Sezione di Zoologia «La Specola». XXVII. Crustacea, Classi Branchiopoda, Ostracoda e Maxillopoda, Sottoclassi Branchiura e Copepoda.* Sono elencati gli esemplari appartenenti al phylum Crustacea, Classi Branchiopoda, Ostracoda e Maxillopoda, Sottoclassi Branchiura e Copepoda conservati nelle collezioni della Sezione di Zoologia «La Specola» del Museo di Storia Naturale dell'Università di Firenze.

**Parole chiave** - Branchiopoda, Ostracoda, Maxillopoda, Branchiura, Copepoda, sistematica, collezioni.

### INTRODUCTION

The Crustacean collection of La Specola Museum hosts a very small set of Branchiopoda, Ostracoda and Maxillopoda. Specimens collected at the end of the XIX century were reviewed and indexed by Adolfo Targioni Tozzetti (1823-1902), others by Angelo Senna (1866-1952) at the beginning of the XX century. However, probably due to the little consistence of the collection, any relevant paper was published by them.

Recent material has been obtained from research missions conducted abroad (Somalia, Yemen, Algeria, Jordan, etc.) in collaboration with the Centro di Faunistica Tropicale of CNR (Pardi, 1976, 1982) and the Gruppo di Ricerche Scientifiche e Tecniche Subacquee (G.R.S.T.S. - Underwater Scientific & Technical Research Group) (G.R.S.T.S., 1986).

### Class Branchiopoda

The collection consists mainly of specimens collected during the oceanographic cruises conducted by the Prince of Monaco in the Atlantic Ocean and Mediterranean Sea, between the late XIX<sup>th</sup> and early XX<sup>th</sup> centuries and determined by Lodovico Di Caporiacco (1900-1951). Even if he was a renowned arachnologist and ichthyologist, he was also interested in morphology and systematics of crustaceans (Di Caporiacco, 1938; Granata &

Di Caporiacco, 1949; Colosi, 1951; Mascherini, 1991). Moreover, few specimens, from former Italian colonial sites, were determined by Giuseppe Colosi (1892-1975).

### Class Ostracoda

The bulk of the collection consists of specimens collected during the oceanographic cruise made by the R/V «Liguria» (1903-1905) that circumnavigated the world (Leva, 1992-1994). The material has been determined by Leopoldo Granata (1885-1940), who described several new species, however only one, *Cyclasterope liguriae*, is extant in the collection (Granata, 1914, 1915; Colosi, 1940).

Ostracoda collected in Somalia, during the research missions conducted by the Centro di Faunistica Tropicale of CNR, were studied by Koen Martens (Ghent University, Belgium). Martens has described five new species (Martens, 1982, 1987, 1990).

The collection consists also of many specimens from Italian localities, freshly collected in freatic waters and rivers that are not determined, and more others that are still in need to be sorted and catalogued, not included in the present paper.

### Class Maxillopoda

With the exception of the subclass Thecostraca (Innocenti, 2007), the subclasses Branchiura and Copepoda are poorly represented. The majority of copepods belongs to the families that are parasites of sharks and fishes and are mainly from Naples and Messina. The material from Somalia has provided three new species identified by Henri J. Dumont (Ghent University, Belgium) (Dumont, 1981). Few copepod specimens were collected, being commensals, from hermit crab shells (Vannini *et al.* 1993). They have been determined by the late eminent copepodologist Arthur G. Humes (1916-1999) of the Marine Biological Laboratory in Woods Hole, Massachusetts.

This paper reports all the type specimens and the determined and not determined specimens with the aim of providing a starting point as the material is eventually available for research and/or loan to specialists.

The systematic order of the present catalogue follows that proposed by Martin & Davis (2001). The Mediterranean material has been compared to Cottarelli *et al.* (1995), Aiello *et al.* (1995) and Argano *et al.* (1995).

(\*) Museo di Storia Naturale dell'Università di Firenze, Sezione Zoologica «La Specola», via Romana 17, 50125 Firenze, Italia. E-mail: gianna.innocenti@unifi.it

Indicated for each specimen, or group of specimens, are the genus, species, author, year of description, nation, locality (with the Italian province abbreviation between brackets), date and collector, author, previous determinations and author, any synonyms or errors, new authors in chronological order, number and sex of the specimens (if determined), and the Crustacea «Entomostraca» catalogue number (MZUF, in brackets).

#### Abbreviations, terms and acronyms

ca. = about; data? = unknown date; det. = determination/author; det.? = unknown author; don. = donated by; Is. = island/isle; leg.? = unknown collector; leg. = collector/s; Patria? = unknown locality; pur. = purchased; [sic!] = so, apparent error; upd. = updated by; sp. = specimen/s; M = male; F = female; juv. = juvenile; MZUF = Florence University Zoology Museum «Entomostraca» catalogue collection number.

#### SYSTEMATICS

Class BRANCHIOPODA Latreille 1817

Subclass SARSOSTRACA Tasch 1969

Order ANOSTRACA Sars 1867

Family BRANCHIPODIDAE Simon 1886

*Branchipus stagnalis* (L. 1758)

Lybia, Misurata, in a puddle, XII.1912, leg. A. Andreini, det. G. Colosi, ca. 200 sp. (MZUF 334)

Lybia, Misurata, in a puddle, XII.1912, leg. A. Andreini, det. G. Colosi, ca. 200 sp. (MZUF 335)

Family STREPTOCEPHALIDAE Daday 1910

*Streptocephalus lamellifer* Thiele 1900

Somalia, Uddur, 1924, leg. G. Stefanini & N. Puccioni, det. G. Colosi, 3 sp. (MZUF 336)

ANOSTRACA GEN. SP.

Italy, (NU) Urzulei, pond near the building «Cantoni-  
era Giustizieri», 12.IV.1982, leg. B. & S. Lanza, 8 sp.  
(MZUF 345)

Algeria, 15 km E of Tamanrasset, Guelta d'Imlaoula-  
ouen, III.1976, leg. M. Borri, ca. 150 sp. (MZUF 338)

Algeria, Tamanrasset, Guelta Agilal, m 2050, 16-17.  
III.1976, leg. M. Borri, ca. 30 sp. (MZUF 339)

Lybia, Cyrenaica, R.U. Agrario, 5.IV.1926, leg. C. Krü-  
ger, 6 sp. (MZUF 337)

Jordan, Wadi Rum, 19.IV.1978, leg. G.R.S.T.S., 1 sp.  
(MZUF 340)

Jordan, Wadi Rum, 19.IV.1978, leg. G.R.S.T.S., ca. 30  
sp. (MZUF 341)

Yemen (Y.A.R.), around Im Amlah, m 1950, Lat.  
17°07'N Long. 43°34'E, in a temporary pool along  
the road, 17.IX.1980, leg. M. Borri & M. Poggesi, ca.  
100 sp. (MZUF 342)

Yemen (Y.A.R.), Al Arf, Lat. 16°20'N Long. 44°05'E,  
on the road to Sana'a, 5.VI.1981, leg. M. Borri, 21 sp.  
(MZUF 343)

Yemen (Y.A.R.), on the road between Umm Laylah  
and Bagim, VI.1981, leg. M. Borri & M. Poggesi, ca.  
50 sp. (MZUF 344)

Subclass PHYLLOPODA Preuss 1951

Order NOTOSTRACA Sars 1867

Family TRIOPSIDAE Keilhack 1909

*Lepidurus apus* (L. 1758)

Italy, (CA) Giara di Gesturi, 12.V.1984, leg. F. Cioni,  
det. G. Innocenti, 167 sp. (MZUF 321)

Italy, (CA) Giara di Gesturi, 28.V.1984, leg. ?, det. G.  
Innocenti, 19 sp. (MZUF 323)

Germany, Ingolstadt, 1887, leg. P. Pavesi, det. A. Tar-  
gioni Tozzetti as *Apus productus*, upd. G. Innocenti, 1  
sp. (MZUF 332)

Patria?, data?, leg.?, previous det. *Apus productus*, det.  
?, upd. G. Innocenti, 2 sp. (MZUF 333)

*Triops australiensis* (Spencer & Hall 1895)

Australia, Uluru, on the top, 5.VII.1992, leg. M. Borri  
& C. Volpi, det. G. Innocenti, 3 sp. (MZUF 324)

*Triops cancriformis* (Bosc 1801)

Italy, (NO) Casalbeltrame, 1868, leg. C. Bergamasco,  
det. A. Targioni Tozzetti as *Apus cancriformis*, upd. G.  
Innocenti, 4 sp. (MZUF 329)

Italy, Lombardia, data?, leg.?, material obtained from  
the collection of the Regio Istituto Superiore Femminile  
of Florence (Didactic Collection), det. ? as *Apus can-  
ciformis*, upd. G. Innocenti, 1 sp. (MZUF 331)

Greece, Athens, 1891, leg. ?, det. A. Targioni Tozzetti  
as *Apus cancriformis*, upd. G. Innocenti, 8 sp. (MZUF  
330)

Europe [sic!], 1867, leg. ?, pur. L.W. Schauffuss, det. A.  
Targioni Tozzetti as *Apus cancriformis*, upd. G. Inno-  
centi, 3 sp. (MZUF 326)

Patria?, 1867, leg. ?, pur. L.W. Schauffuss, det. A. Tar-  
gioni Tozzetti as *Apus cancriformis*, upd. G. Innocenti,  
1 sp. (MZUF 327)

Patria?, 1867, leg. ?, pur. L.W. Schauffuss, det. A. Tar-  
gioni Tozzetti as *Apus cancriformis*, upd. G. Innocenti,  
2 sp. (MZUF 328)

*Triops granarius* (Lucas 1864)

Somalia, Meregh, 25.XI.1973, leg. ?, det. G. Innocenti,  
1 sp. (MZUF 325)

TRIOPSIDAE GEN. SP.

Italy, (CA) Giara di Gesturi, 12.V.1984, leg. F. Cioni,  
24 sp. (MZUF 322)

Order DIPLOSTRACA Gerstaecker 1866

Suborder SPINICAUDATA Linder 1945

## Family CYZICIDAE Stebbing 1910

*Estheria pesthinensis* Bruhl 1860

Hungary, 1867, leg. ?, pur. L.W. Schauffuss, det. A. Targioni Tozzetti, 1 sp. (MZUF 355)  
Europe [sic!], IV.1889, leg. ?, pur. Paul, det. A. Targioni Tozzetti, 1 sp. (MZUF 356)

## Family LIMNADIIDAE Baird 1849

*Limnadia gigas* (Hermann 1804)

Germany, Berlin, 1880, don. Berlin Museum, det. A. Targioni Tozzetti, 1 sp. (MZUF 354)

*Limnadia* sp.

Italy, (VC) Vercelli, rice-fields, 22.V.1903, leg. ?, det. A. Senna, 17 sp. (MZUF 353)

## Suborder CLADOCERA Latreille 1829

## Family DAPHNIIDAE Straus 1820

*Daphnia pulex* (Leydig 1860)

Italy, data?, leg.?, material obtained from the collection of the Regio Istituto Superiore Femminile of Florence (Didactic Collection), det. ? as *Daphnia pulex* De Geer, upd. G. Innocenti, ca. 30 sp. (MZUF 346)

## Family PODONIDAE Mordukhai-Boltovskoi 1968

*Evadne nordmanni* Lovén 1836

Atlantic Ocean, Lat. 47°53'N Long. 13°16'45"W, 28.VIII.1885, don. Prince of Monaco, det. L. Di Caporiacco, 4 sp. (MZUF 359)  
Atlantic Ocean, Lat. 47°59'N Long. 14°38'45"W, 28.VIII.1885, don. Prince of Monaco, det. L. Di Caporiacco, 4 sp. (MZUF 358)  
English Channel, Lat. 49°N Long. 4°15'E, 19.VII.1909, don. Prince of Monaco, det. L. Di Caporiacco, 2 sp. (MZUF 361)  
Norway, Norge Channel, Lat. 66°40'N Long. 13°10'E, 5.VII.1907, don. Prince of Monaco, det. L. Di Caporiacco, 6 sp. (MZUF 360)  
Spain, Galice, Lat. 45°13'N Long. 7°26'45"E, 17.VII.1885, don. Prince of Monaco, det. L. Di Caporiacco, 4 sp. (MZUF 357)

*Evadne spinifera* Müller 1867

Atlantic Ocean, Lat. 36°05'N Long. 7°42'W, 17.VIII.1908, don. Prince of Monaco, det. L. Di Caporiacco, 4 sp. (MZUF 376)  
Atlantic Ocean, Lat. 46°17'N Long. 20°39'45"W, 25.VIII.1885, don. Prince of Monaco, det. L. Di Caporiacco, 5 sp. (MZUF 372)  
Atlantic Ocean, Lat. 47°37'N Long. 10°41'45"W, 29.VIII.1887, don. Prince of Monaco, det. L. Di Caporiacco, 10 sp. (MZUF 373)  
Portugal, Açores Islands, Lat. 40°07'N Long. 20°34'45"W, 15.VII.1885, don. Prince of Monaco, det. L. Di Caporiacco, 1 sp. (MZUF 371)  
Portugal, between Portugal and Açores Islands, Lat. 40°40'N Long. 13°45'W, 11.VIII.1908, don. Prince of Monaco, det. L. Di Caporiacco, 3 sp. (MZUF 377)

Spain, Canary Islands, Lat. 28°04'N Long. 16°49'W, 1.VIII.1904, don. Prince of Monaco, det. L. Di Caporiacco, 6 sp. (MZUF 374)

Spain, Canary Islands, Lat. 28°10'N Long. 18°50'W, 18.VIII.1904, don. Prince of Monaco, det. L. Di Caporiacco, 3 sp. (MZUF 375)

Spain, Cartagena, Lat. 37°40'N Long. 0°20'W, 28.VIII.1909, don. Prince of Monaco, det. L. Di Caporiacco, 3 sp. (MZUF 378)

*Podon intermedius* Lilljeborg 1853

English Channel, Lat. 49°N Long. 4°15'E, 19.VII.1909, don. Prince of Monaco, det. L. Di Caporiacco, 5 sp. (MZUF 369)

France, Bretagne, Lat. 47°12'N Long. 5°38'W, 14.VII.1910, don. Prince of Monaco, det. L. Di Caporiacco, 4 sp. (MZUF 370)

*Podon leuckarti* (Sars 1862)

Norway, Norge Coast, Lat. 66°40'N Long. 13°10'E, 5.VII.1907, don. Prince of Monaco, det. L. Di Caporiacco, 2 sp. (MZUF 368)

*Pseudevadne tergestina* (Claus 1877)

Portugal, Açores Islands, Lat. 37°31'N Long. 26°44'45"W, 5.VIII.1885, don. Prince of Monaco, det. L. Di Caporiacco, 2 sp. (MZUF 362)

Portugal, Açores Islands, Lat. 38°23'N Long. 27°06'15"W, 13.VIII.1887, don. Prince of Monaco, det. L. Di Caporiacco, 4 sp. (MZUF 363)

Spain, Cap de Creus, Lat. 41°51'N Long. 3°58'E, 10.VII.1908, don. Prince of Monaco, det. L. Di Caporiacco, 1 sp. (MZUF 364)

Spain, Balearic Islands, Lat. 59°45'N Long. 4°18'E, 11.VII.1908, don. Prince of Monaco, det. L. Di Caporiacco, 3 sp. (MZUF 365)

Spain, Cadiz, Lat. 36°07'N Long. 7°25'E, 15.VII.1908, don. Prince of Monaco, det. L. Di Caporiacco, 3 sp. (MZUF 366)

Spain, Cartagena, Lat. 37°40'N Long. 0°20'W, 28.VIII.1909, don. Prince of Monaco, det. L. Di Caporiacco, 3 sp. (MZUF 364)

## DIPLOSTRACA GEN. SP.

Italy, (LU) Matanna Mountain, alpine pond near Matanna Hotel, m 1080, 13.X.1963, leg. B. Lanza, ca. 30 sp. (MZUF 347)

Italy, (GO) Timavo river springs, m 5, 17.VIII.1999, leg. S. Cianfanelli & M. Calcagno, 2 sp. (MZUF 348)

Italy, (NU) Oliena, Su Colugone spring, m 99, 29.X.1995, leg. S. Cianfanelli & E. Talenti, 2 sp. (MZUF 379)

Algeria, Touf Arnagh, Guelta, Lat. 22°13'52" Long. 6°47'54", 16.X.2002, leg. S. Vanni & A. Nistri, 5 sp. (MZUF 352)

Erythraea, near Adi Caie, in a pond, IX.1902, leg. ?, 41 sp. (MZUF 349)

Somalia, El Elsor, 11.VI.1981, leg. S.B.S., 29 sp. (MZUF 351)

India, Agra, pools of Taj Mahal, 16.IX.1994, leg. J. Ferretti, 3 sp. (MZUF 350)

Class OSTRACODA Latreille 1802

Subclass MYODOCOPA Sars 1866

Order MYODOCOPIDA Sars 1866

Superfamily CYPRIDINOIDEA Baird 1850

Family CYPRIDINIDAE Baird 1850

*Cypridina hilgendorfi* Müller 1891

Indonesia, Amboina, night fishing in the harbour, 14.X.1904, leg. R.N. «Liguria», det. L. Granata, 5 sp. (MZUF 445)

*Pyrocypris chierchiae* Müller 1891

From Curaçao to Belize, Lat. 17°12'N Long. 81°21'W, 10.X.1903, leg. R.N. «Liguria», det. L. Granata, 5 sp. (MZUF 438)

Arafura Sea, from Thursday Is. to Amboina (60 miles from Aru Is.), Lat. 08°06'S Long. 135°E, -120 m, 12.X.1904, leg. R.N. «Liguria», det. L. Granata, 2 juv. (MZUF 439)

From Colombo to Massaua, Lat. 10°50'N Long. 58°40'E, 2140 fathoms, 17.III.1905, leg. R.N. «Liguria», det. L. Granata, ca. 1000 sp. (MZUF 440)

Gulf of Bengal, from Madras to Colombo, Lat. 09°39'N Long. 81°26'30"E, 28.II.1905, 1950 fathoms, leg. R.N. «Liguria», det. L. Granata, 1 sp. (MZUF 442)

*Pyrocypris sinuosa* Müller 1906

At the anchor of Thursday Is. (Strait of Torres), Lat. 10°35'8"S Long. 42°13'14"E, 8.X.1904, leg. R.N. «Liguria», det. L. Granata, 10 sp. (MZUF 441)

*Pyrocypris* sp.

Indonesia, Amboina, night fishing in the harbour, 14.X.1904, leg. R.N. «Liguria», det. L. Granata, 1 sp. (MZUF 443)

Superfamily CYLINDROLEBERIDOIDEA Müller 1906

Family CYLINDROLEBERIDIDAE Müller 1906

*Cyclasterope brevis* (Müller 1891)

At the anchor of Thursday Is. (Strait of Torres), Lat. 10°35'8"S Long. 42°13'14"E, 8.X.1904, leg. R.N. «Liguria», det. L. Granata, 4 juv. (MZUF 444)

*Cyclasterope liguriae* n. sp. Granata 1915

At the anchor of Thursday Is. (Strait of Torres), Lat. 10°35'8"S Long. 42°13'14"E, 8.X.1904, leg. R.N. «Liguria», det. L. Granata, 10 sp. (MZUF 446) TYPUS!

Order HALOCYPRIDA Dana 1853

Family HALOCYPRIDIDAE Dana 1853

*Conchoecia acuminata* (Claus 1890)

Sea of Sulu, from Menado to Manila (16 miles from Panay Is.), Lat. 10°15'N Long. 121°48'E, -1200 m,

24.X.1904, leg. R.N. «Liguria», det. L. Granata, 12 sp. (MZUF 449)

*Conchoecia atlantica* (Lubbock 1856)

From Curaçao to Belize, Lat. 17°12'N Long. 81°21'W, 10.X.1903, leg. R.N. «Liguria», det. L. Granata, 15 sp. (MZUF 456)

*Conchoecia daphnoides* (Claus 1890)

From Noumea (New Caledonia) to Auckland (New Zealand), Lat. 28°20'S Long. 170°05'E, 18.VII.1904, leg. R.N. «Liguria», det. L. Granata, 2 sp. (MZUF 465)

*Conchoecia giesbrechti* Müller 1906

Pacific Ocean, from Callao to Acapulco (190 miles from Galapagos Is.), Lat. 03°15'N Long. 89°52'30"W, -2700 m, 4.IV.1904, leg. R.N. «Liguria», det. L. Granata, ca. 50 sp. (MZUF 450)

Pacific Ocean, from Callao to Acapulco (150 miles from Mexican coast), Lat. 13°24'N Long. 97°22'W, -2400 m, 7.IV.1904, leg. R.N. «Liguria», det. L. Granata, 2 sp. (MZUF 451)

Gulf of Bengal, from Madras to Colombo, Lat. 09°39'N Long. 81°26'30"E, 28.II.1905, 1950 fathoms, leg. R.N. «Liguria», det. L. Granata, 20 sp. (MZUF 452)

*Conchoecia lophura* Müller 1906

From Punta Arenas to Valparaiso (70 miles from the Chilean coast), Lat. 35°06'30"S Long. 73°38'W, -3000 m, 8.III.1904, leg. R.N. «Liguria», det. L. Granata, 22 sp. (MZUF 458)

*Conchoecia oblonga* (Claus 1890)

From Curaçao to Belize, Lat. 17°12'N Long. 81°21'W, 10.X.1903, leg. R.N. «Liguria», det. L. Granata, 16 sp. (MZUF 447)

Gulf of Bengal, from Madras to Colombo, Lat. 09°39'N Long. 81°26'30"E, 28.II.1905, 1950 fathoms, leg. R.N. «Liguria», det. L. Granata, 2 sp. (MZUF 448)

*Conchoecia rotundata* Müller 1890

From Punta Arenas to Valparaiso (70 miles from the Chilean coast), Lat. 35°06'30"S Long. 73°38'W, -3000 m, 8.III.1904, leg. R.N. «Liguria», det. L. Granata, 29 sp. (MZUF 453)

Pacific Ocean, from Callao to Acapulco (190 miles from Galapagos Is.), Lat. 03°15'N Long. 89°52'30"W, -2700 m, 4.IV.1904, leg. R.N. «Liguria», det. L. Granata, ca. 50 sp. (MZUF 454)

Pacific Ocean, from Callao to Acapulco (150 miles from Mexican coast), Lat. 13°24'N Long. 97°22'W, -2400 m, 7.IV.1904, leg. R.N. «Liguria», det. L. Granata, ca. 50 sp. (MZUF 455)

*Conchoecia spirostris* Claus 1871

From Curaçao to Belize, Lat. 13°55'N Long. 77°43'W, 9.X.1903, leg. R.N. «Liguria», det. L. Granata, 8 sp. (MZUF 459)

From Curaçao to Belize, Lat. 17°12'N Long. 81°21'W, 10.X.1903, leg. R.N. «Liguria», det. L. Granata, ca. 30 sp. (MZUF 460)

From Belize to New Orleans, Lat. 25°27'N Long.

88°07'W, 17.X.1903, leg. R.N. «Liguria», det. L. Granata, 9 sp. (MZUF 461)

From Amboina to Menado (Celebes), Lat. 03°40'S Long. 127°45'E, - 2000 m, 19.X.1904, leg. R.N. «Liguria», det. L. Granata, 14 sp. (MZUF 462)

Gulf of Bengal, from Madras to Colombo, Lat. 09°39'N Long. 81°26'30"E, 28.II.1905, 1950 fathoms, leg. R.N. «Liguria», det. L. Granata, 10 sp. (MZUF 463)

*Conchoecia subarcuata* Claus 1890

From Noumea (New Caledonia) to Auckland (New Zealand), Lat. 28°20'S Long. 170°05'E, 18.VII.1904, leg. R.N. «Liguria», det. L. Granata, 12 sp. (MZUF 464)

*Halocypris inflata* (Dana 1852)

From Curaçao to Belize, Lat. 17°12'N Long. 81°21'W, 10.X.1903, leg. R.N. «Liguria», det. L. Granata, 5 sp. (MZUF 426)

From Punta Arenas to Valparaiso (70 miles from the Chilean coast), Lat. 35°06'30"S Long. 73°38'W, -3000 m, 8.III.1904, leg. R.N. «Liguria», det. L. Granata, 12 sp. (MZUF 427)

Sea of Sulu, from Menado to Manila (16 miles from Panay Is.), Lat. 10°15'N Long. 121°48'E, -1200 m, 24.X.1904, leg. R.N. «Liguria», det. L. Granata, 20 sp. (MZUF 428)

Gulf of Bengal, from Madras to Colombo, Lat. 09°39'N Long. 81°26'30"E, 28.II.1905, 1950 fathoms, leg. R.N. «Liguria», det. L. Granata, 4 sp. (MZUF 429)

From Colombo to Massaua, Lat. 10°50'N Long. 58°40'E, 2140 fathoms, 17.III.1905, leg. R.N. «Liguria», det. L. Granata, 45 sp. (MZUF 430)

*Archiconchoecia striata* Müller 1897

Pacific Ocean, from Callao to Acapulco (190 miles from Galapagos Is.), Lat. 03°15'N Long. 89°52'30"W, -2700 m, 4.IV.1904, leg. R.N. «Liguria», det. L. Granata, 3 sp. (MZUF 431)

From Amboina to Menado (Celebes), Lat. 03°40'S Long. 127°45'E, - 2000 m, 19.X.1904, leg. R.N. «Liguria», det. L. Granata, 1 sp. (MZUF 432)

Gulf of Thailand, from Saigon to Bangkok, Lat. 8°50'N Long. 103°55'E, -45 m, 29.XII.1904, leg. R.N. «Liguria», det. L. Granata, 15 sp. (MZUF 433)

From Bangkok to Singapore, Lat. 9°55'N Long. 101°05'E, -75 m, 7.I.1905, leg. R.N. «Liguria», det. L. Granata, 15 sp. (MZUF 434)

From Bangkok to Singapore, Lat. 6°24'N Long. 103°E, -55 m, 8.I.1905, leg. R.N. «Liguria», det. L. Granata, ca. 50 sp. (MZUF 435)

From Singapore to Surabaya (Strait of Carimata), Lat. 01°20'S Long. 107°57'E, -50 m, 15.I.1905, leg. R.N. «Liguria», det. L. Granata, 12 sp. (MZUF 436)

From Singapore to Surabaya (90 miles from Borneo), Lat. 4°25'S, Long. 110°26'E, -45 m, 16.I.1905, leg. R.N. «Liguria», det. L. Granata, 10 sp. (MZUF 437)

Subclass PODOCOPA Müller 1894

Order PODOCOPIDA Sars 1866

Family CYPRIDIDAE Baird 1845

*Cypris elburensis* n. sp. Martens 1990

Somalia, El Bur, 5.XII.1982, leg. S.B.S., det. K. Martens, 1 F (MZUF 523) HOLOTYPUS!

*Cypris galefensis* n.sp. Martens 1990

Somalia, Gal Ef, Lat. 04°12'07"N Long. 46°28'10"E, 3 km N of Bud Bud, 1.XII.1982, leg. L. Chelazzi & G. Messina, det. K. Martens, 1 M (MZUF 524) HOLOTYPUS!

Somalia, Gal Ef, Lat. 04°12'07"N Long. 46°28'10"E, 3 km N of Bud Bud, 1.XII.1982, leg. L. Chelazzi & G. Messina, det. K. Martens, 1 F (MZUF 525) ALLOTYPUS!

*Physocypris dumonti* n. sp. Martens 1982

Somalia, Missarole, 1.IX.1968, leg. S.B.S., det. K. Martens, 1 M (MZUF 527) HOLOTYPUS!

*Potamocypris chelazzii* n. sp. Martens 1982

Somalia, Missarole, 6.IX.1968, leg. S.B.S., det. K. Martens, 1 F (MZUF 526) HOLOTYPUS!

*Sclerocypris pardii* n. sp. Martens 1987

Somalia, Gal Ef, Lat. 04°12'07"N Long. 46°28'10"E, 3 km N of Bud Bud, 1.XII.1982, leg. L. Chelazzi & G. Messina, det. K. Martens, 1 F (MZUF 419) HOLOTYPUS!

*Cypris* sp.

Italy, (PA) Palermo, 1868, leg. Reina, det. A. Targioni Tozzetti, 7 sp. (MZUF 381)

Italy, (PA) Madonie, Collesano spring, XI.1869, leg. F. Minà Palumbo, det. ?, 40 sp. (MZUF 380)

PODOCOPA GEN. SP.

Pacific Ocean, from Callao to Acapulco (190 miles from Galapagos Is.), Lat. 03°15'N Long. 89°52'30"W, -2700 m, 4.IV.1904, leg. R.N. «Liguria», 2 sp. (MZUF 420)

Pacific Ocean, from Callao to Acapulco (150 miles from Mexican coast), Lat. 13°24'N Long. 97°22'W, -2400 m, 7.IV.1904, leg. R.N. «Liguria», 1 sp. (MZUF 421)

Pacific Ocean, from Honolulu to Tahiti, Lat. 02°28'S Long. 152°45'W, 8.VI.1904, leg. R.N. «Liguria», 1 sp. (MZUF 422)

Sea of Sulu, from Menado to Manila (16 miles from Panay Is.), Lat. 10°15'N Long. 121°48'E, -1200 m, 24.X.1904, leg. R.N. «Liguria», 1 sp. (MZUF 423)

Gulf of Thailand, from Saigon to Bangkok, Lat. 8°50'N Long. 103°55'E, -45 m, 29.XII.1904, leg. R.N. «Liguria», 1 sp. (MZUF 424)

From Singapore to Surabaya (90 miles from Borneo), Lat. 4°25'S, Long. 110°26'E, -45 m, 16.I.1905, leg. R.N. «Liguria», 1 sp. (MZUF 425)

OSTRACODA GEN. SP.

Italy, (CA) Giara di Gesturi, 1984, leg. B. Lanza, 30 sp. (MZUF 384)

- Italy, (SS) Porto Torres, Asinara Island, 277 m, 16.V.2004, leg. S. Cianfanelli & E. Talenti, ca. 100 es. (MZUF 404)
- Italy, (RE) Castelnuovo de' Monti, spring of Secchia river, m 460, 15-14.IV.1998, leg. S. Cianfanelli & M. Calcagno, 2 sp. (MZUF 398)
- Italy, (PR) Gaminio spring, near Trinità, m 374, 5.VI.1999, leg. S. Cianfanelli & M. Bodon, ca. 100 sp. (MZUF 417)
- Italy, (SP) Arcola, Magra river, Romito, m 2, 6.IV.1997, leg. S. Cianfanelli & M. Bodon, ca. 15 sp. (MZUF 418)
- Italy, (MS) Aulla, Magra river, near Isola, m 150, 6.IV.1997, leg. S. Cianfanelli, ca. 100 sp. (MZUF 415)
- Italy, (PI) Lajatico, La Sterza, near Sterza river, 10.I.1996, leg. S. Cianfanelli & E. Talenti, ca. 20 sp. (MZUF 405)
- Italy, (PI) Sterza river, toward Chianni, freatic waters, 4.II.1995, leg. S. Cianfanelli & M. Calcagno, ca. 100 sp. (MZUF 410)
- Italy, (PT) Probiolla, m 360, 18.III.2001, leg. S. Cianfanelli & M. Calcagno, ca. 100 sp. (MZUF 411)
- Italy, (PT) Il Signorino, m 600, 11.II.2001, leg. S. Cianfanelli & M. Calcagno, ca. 100 sp. (MZUF 408)
- Italy, (PT) Cutigliano, m 1580, 8.X.2003, leg. S. Cianfanelli & E. Lori, ca. 100 sp. (MZUF 409)
- Italy, (PO) Schignano, Vallupaia spring, 20.II.2002, leg. S. Cianfanelli, E.Lori, A. Nistri & S. Vanni, ca. 100 sp. (MZUF 401)
- Italy, (PO) Carmignano, Bacchereto, m 250, 18.IV.2002, leg. S. Cianfanelli, V. Fiorentino, E. Lori, A. Nistri & S. Vanni, ca. 100 sp. (MZUF 414)
- Italy, (FI) Firenze, from the well inside La Specola Museum, 21.X.1991, leg. ?, 1 sp. (MZUF 466)
- Italy, (FI) Marradi, m 888, 17.VI.2004, leg. S. Cianfanelli, E. Lori & S. Vanni, ca. 100 sp. (MZUF 402)
- Italy, (FI) Sesto Fiorentino, Monte Morello, Fonte del Trogolo, m 834, 26.I.1997, leg. S. Cianfanelli & M. Calcagno, 13 sp. (MZUF 406)
- Italy, (AR) Loro Ciuffenna, Anciolina, m 882, 1.III.1998, leg. S. Cianfanelli, ca. 100 sp. (MZUF 407)
- Italy, (SI) Cetona, Cetona Mount, spring near Pian del Giuncheto, m 540, 24.II.1996, leg. S. Cianfanelli & M. Calcagno, 13 sp. (MZUF 396)
- Italy, (SI) Vico d'Arbia, freatic waters of Arbia river, m 250, 16.II.1997, leg. S. Cianfanelli & M. Calcagno, ca. 100 sp. (MZUF 400)
- Italy, (LI) Africhella Isle, from the scraping of algae, 8.VII.1987, leg. G. Messana, 1 sp. (MZUF 393)
- Italy, (LI) Capraia Island, in a small lake NE of the island, 13.III.1966, leg. C. Baroni Urbani, 6 sp. (MZUF 391)
- Italy, (GR) Montecristo Island, Cala Maestra, 15.VII.1979, leg. A. Camperio, 4 sp. (MZUF 395)
- Italy, (GR) Uccellina Natural Park, 1994, leg. G. Messana, 20 sp. (MZUF 394)
- Italy, (GR) Monte Argentario, Buca degli Stretti cave, m 5, 3.XI.1997, leg. S. Cianfanelli & M. Calcagno, ca. 100 sp. (MZUF 403)
- Italy, (LT), Pontine Islands, Zannone Isle, among intertidal algae, 28.VII.1979, leg. A. Camperio, 12 sp. (MZUF 392)
- Italy, (AQ) Pettonano sul Gizio, spring near Gizio river, m 600, 10.XII.1994, leg. S. Cianfanelli & M. Calcagno, 10 sp. (MZUF 399)
- Italy, (CE) Prata Sannita, Ponte del Rio, m 180, 14.IV.2001, leg. S. Cianfanelli & M. Bodon, ca. 100 sp. (MZUF 413)
- Italy, (ME) Francavilla di Sicilia, streams near Alcantara river, 13.VIII.1991, leg. S. Cianfanelli & M. Calcagno, 30 sp. (MZUF 397)
- Italy, (SR) Sorino, Anapo river, near Pantalica necropolis, m 400, 14.VIII.1991, leg. S. Cianfanelli & M. Calcagno, 20 sp. (MZUF 412)
- Italy, (AG) Chiusa, spring near Sosio river, m 185, 8.V.200, leg. S. Cianfanelli & M. Calcagno, ca. 100 sp. (MZUF 416)
- Germany, Wernau, Neckar river, m 250, in alluvial laying, 5.VIII.1996, leg. S. Cianfanelli & M. Calcagno, 5 sp. (MZUF 390)
- Portugal, Açores Islands, Terceira island, 27-30.VII.1999, leg. S. Cianfanelli & M. Calcagno, 20 sp. (MZUF 386)
- Turkey, Kusadasi (Scalanova), in a spring, 16.IX.1932, leg. N. Beccari, 30 sp. (MZUF 382)
- Israel, Tabgha, Kinneret (Tiberias) lake, along the shore, 1.XII.1995, leg. G. Innocenti, 7 sp. (MZUF 383)
- Somalia, Nimu, among *Thalassodendron* leaves, at low tide, 15.XI.1985, leg. G. Messana, 1 sp. (MZUF 385)
- India, Ladakh, Leh, near Traktok, in a spring, m 3900, 24.VII.1995, leg. S. Cianfanelli & M. Calcagno, 20 sp. (MZUF 387)
- India, Rajastan, Bharatpur, 16.VII.1995, leg. S. Cianfanelli & M. Calcagno, 10 sp. (MZUF 388)
- India, Rajastan, Jaisalmer, m 4500, 9.VI.1995, leg. S. Cianfanelli & M. Calcagno, 5 sp. (MZUF 389)
- Class MAXILLOPODA Dahl 1956
- Subclass BRANCHIURA Thorell 1864
- Order ARGULOIDA Yamaguti 1963
- Family ARGULIDAE Leach 1819
- Argulus* sp.
- Italy, (LU) Viareggio, 1875, leg. A. Targioni Tozzetti, det. G. Innocenti, 1 sp. (MZUF 507)
- Subclass COPEPODA Milne-Edwards 1840
- Order CALANOIDA Sars 1903
- Family CALANIDAE Dana 1846
- Calanus finmarchicus* Gunnerus 1765
- Castris Bay, IV.1889, pur. Paul, det. A. Targioni Tozzetti as *Cetochilus septentrionalis*, upd. G. Innocenti, ca. 15 sp. (MZUF 522)
- Family TEMORIDAE Giesbrecht 1893
- Temora longicornis* (Müller 1792)
- Germany, Gulf of Kiel, 1873, don. K.A. Moebius, det. A. Targioni Tozzetti, ca. 15 sp. (MZUF 480)

## Order CYCLOPOIDA Burmeister 1834

## Family CYCLOPIDAE Dana 1846

*Megacyclops viridis* (Jurine 1820)

Italy, (SS) Caprera Island, Telaione spring, 24.IX.1985, leg. ?, det. F. Stoch, 91 sp. (MZUF 486)

*Metacyclops somalicus* n.sp. Dumont 1981

Somalia, Maas, well near the village, 1.IX.1968, leg. S.B.S., det. H. J. Dumont, 1 F (a fully dissected female, mounted in glycerin) (MZUF 529) HOLOTYPE!

*Metacyclops chelazzii* n.sp. Dumont 1981

Somalia, Giohar, 02°46'N 45°30'E, well in the garden of the Sovrano Militare Ordine di Malta, 5.VIII.1968, leg. S.B.S., det. H. J. Dumont, 1 F (a fully dissected female, mounted in glycerin) (MZUF 530) HOLOTYPE!

## Family NOTODELPHYIDAE Dana 1852

*Doropygus gibber* Thorell 1859

Italy, (NA) Naples, 1903, leg. ?, det. ?, 9 sp. (MZUF 489)

*Notodelphys prasina* Thorell 1859

Italy, (NA) Naples, Zoological Station, 1903, leg. ?, det. ?, 3 sp. (MZUF 519)

## Order HARPACTICOIDA Sars 1903

## Family AMEIRIDAE Monard 1927

*Nitocrella somalica* n.sp. Dumont 1981

Somalia, Baidoa, 03°07'N 43°38'E, well of the aqueduct, 27.VIII.1968, leg. S.B.S., det. H. J. Dumont, 1 F (a fully dissected female, mounted in glycerin) (MZUF 528) HOLOTYPE!

## Family CANUELLIDAE Lang 1944

*Sunaristes dardani* Humes & Ho 1969

Kenya, Kanamai, inside an hermit crab shell (*Dardanus megistos*), with a pair of commensal mysidaceans (*Heteromysis harpax*), XI.1991, leg. G. Innocenti, det. A.G. Humes, 1 F (MZUF 481)  
Kenya, Kanamai, inside an hermit crab shell (*Dardanus lagopodes*), XI.1991, leg. G. Innocenti, det. A.G. Humes, 1 F (MZUF 482)

## Family PORCELLIDIIDAE Boeck 1865

*Porcellidium brevicaudatum* Thompson & Scott 1903

Kenya, Kanamai, inside an hermit crab shell (*Dardanus megistos*), with commensal mysidaceans (*Heteromysis harpax*), XI.1991, leg. G. Innocenti, det. A.G. Humes, 1 F (MZUF 483)

## Family TISBIDAE Stebbing 1910

*Paraidya occulta* Humes & Ho 1969

Kenya, Kanamai, inside an hermit crab shell (*Dardanus megistos*), with a pair of commensal mysidaceans (*Heteromysis harpax*), XI.1991, leg. G. Innocenti, det. A.G. Humes, 1 F (MZUF 484)

Kenya, Kanamai, inside an hermit crab shell (*Dardanus lagopodes*), with a pair of commensal mysidaceans (*Heteromysis harpax*), XI.1991, leg. G. Innocenti, det. A.G. Humes, 4 F, 1 juv. (MZUF 485)

## Order POECILOSTOMATOIDA Thorell 1859

## Family CHONDRACANTHIDAE Milne Edwards 1840

*Chondracanthus gibbosus* Krøyer 1837

Italy, (NA) Gulf of Naples, data?, leg.?, parasite of *Lophius piscatorius*, material obtained from the collection of the Regio Istituto Superiore Femminile of Florence (Didactic Collection), 1 sp. (MZUF 488)

## Family CLAUSIDIIDAE Embleton 1901

*Clausidium apodiforme* (Philippi 1839)

Italy, (NA) Naples, Zoological Station, 1903, leg. ?, det. ?, 6 sp. (MZUF 517)

## Order SIPHONOSTOMATOIDA Thorell 1859

## Family CALIGIDAE Burmeister 1834

*Caligus* sp.

Italy, (GE) Gulf of Genova, parasite of *Xiphias gladius*, VII.1869, don. G. Doria, det. A. Targioni Tozzetti, 1 sp. (MZUF 505)

*Lepeophtheirus* sp.

Atlantic Ocean, IV.1889, pur. Paul, det. A. Targioni Tozzetti, 2 sp. (MZUF 498)

## Family CECROPIDAE Dana 1849

*Cecrops latreillii* Leach 1816

Patria?, 1912, on the gills of *Mola mola*, leg. ?, det. ?, 4 sp. (MZUF 495)

*Orthogoriscicola muricata* (Krøyer 1837)

Italy, (NA) Gulf of Naples, on the gills of *Mola*, XII.1864, pur. F. Cara, det. A. Targioni Tozzetti as *Laemargus muricatus* Krøyer, upd. G. Innocenti, 1 sp. (MZUF 490)  
France, Nice, from the sunfish (*Mola*), XII.1864, pur. F. Cara, det. A. Targioni Tozzetti as *Laemargus muricatus* Krøyer, upd. G. Innocenti, 2 sp. (MZUF 491)

*Orthogoriscicola* sp.

France, Nice, 1874, pur. Gal Frères, det. A. Targioni Tozzetti as *Laemargus*, upd. G. Innocenti, 1 sp. (MZUF 492)

## Family DICHELESTHIIDAE Milne Edwards 1840

*Anthosoma* sp.

France, Nice, VI.1884, pur. Gal Frères, det. A. Targioni Tozzetti, 4 sp. (MZUF 493)

*Dichelestium sturionis* (Krøyer 1837)

North Sea, IV.1889, pur. Paul, det. A. Targioni Tozzetti, 2 sp. (MZUF 499)

Family EURYPHORIDAE Wilson 1905

*Caligeria* sp.

Atlantic Ocean, on *Coryphaena equiselis*, IV.1889, pur. Paul, det. A. Targioni Tozzetti, 2 sp. (MZUF 497)

*Euryphorus brachypterus* (Gerstaecker 1853)

Mediterranean Sea, 1867, pur. L.W. Schauffuss, det. A. Targioni Tozzetti as *Elytrophora brachyptera* Gerstaecker, upd. G. Innocenti, 1 sp. (MZUF 494)

Family LERNAEOPODIDAE Milne Edwards 1840

*Basanistes huchonis* (Schrank 1786)

Patria?, 1867, pur. L.W. Schauffuss, det. A. Targioni Tozzetti, 1 sp. (MZUF 487)

LERNAEOPODIDAE GEN. SP.

France, Nice, 1874, pur. Gal Frères, 1 sp. (MZUF 508)

Family PANDARIDAE Milne Edwards 1840

*Dinemoura* sp.

France, Nice, VI.1884, pur. Gal Frères, det. A. Targioni Tozzetti, 2 sp. (MZUF 504)

*Pandarus cranchii* Leach 1819

Atlantic Ocean, IV.1889, pur. Paul, det. A. Targioni Tozzetti, 2 sp. (MZUF 496)

Family PENNELLIDAE Burmeister 1834

*Pennella filosa* (L. 1758)

Italy, (ME) Messina, on the swordfish, data?, leg.?, det. ? as *Pennella costai* Richiardi, upd. G. Innocenti, 8 sp. (MZUF 500)

Italy, (ME) Messina, on the gills of *Histiophorus belone*, 10.IX.1881, leg. E.H. Giglioli, det. A. Targioni Tozzetti as *Pennella costai*, upd. G. Innocenti, 1 sp. (MZUF 503)  
Patria?, on the skin of *Xiphias*, data?, leg.?, det. ?, 1 sp. (MZUF 501)

*Pennella* sp.

Italy, (MS) Marina di Massa, on *Balaenoptera musculus*, leg. E. Balducci, IX.1908, det. ?, 1 sp. (MZUF 502)

*Peroderma cylindricum* Heller 1865

Italy, (ME) Messina, from *Clupea pilchardus*, 1903, leg. ?, det. ?, 2 sp. (MZUF 520)

SIPHONOSTOMATOIDA GEN. SP.

Italy, (LU) Viareggio, 1875, leg. A. Targioni Tozzetti, 2 sp. (MZUF 506)

Italy, (LI) Livorno, on *Platessa passer*, VII-VIII.1865, leg. A. Targioni Tozzetti, 11 sp. (MZUF 509)

Italy, (MC) Portocivitanova Marche, on the gills of

*Raja clavata*, VIII-IX.1884, leg. G. Cavanna, 1 sp. (MZUF 512)

Italy, (ME) Messina, from *Mobula mobular*, 1903, leg. ?, 4 sp. (MZUF 521)

Italy, (ME) Messina, from the gills of *Boops boops*, II-III.1903, leg. ?, 3 sp. (MZUF 516)

Italy, (ME) Messina, from the gills of *Salpa*, 21.II.1903, leg. ?, 3 sp. (MZUF 518)

Italy, (ME) Messina, from the intestine of *Dentex gibbosus*, 1901, leg. P. Mingazzini, 4 sp. (MZUF 513)

France, Nice, on *Cethorinus maximus*, VI.1884, pur. Gal Frères, 6 sp. (MZUF 510)

France, Nice, VI.1884, pur. Gal Frères, 1 sp. (MZUF 511)

Patria?, on the skin of *Carcharias glaucus*, data?, leg.?, 13 sp. (MZUF 514)

Patria?, on the skin of *Cethorinus maximus*, data?, leg.?, ca. 30 sp. (MZUF 515)

COPEPODA GEN. SP.

Italy, (PT) Lago Nero, m 1713, 9.IX.2008, leg. S. Cianfanelli & E. Lori, 2 sp. (MZUF 531)

Italy, (LU) Molazzana, Grotta delle Turre, 4.X.2008, leg. C. Carletti, 2 sp. (MZUF 532)

Italy, (GR) Montecristo Is., Cala Maestra, 15.VIII.1979, leg. A. Camperio, 2 sp. (MZUF 537)

Italy, (LT) Zannone Isle, 28.VII.1979, leg. A. Camperio, 2 sp. (MZUF 538)

Italy, (NA) Ischia Is., Port, 19.IX.1979, leg. A. Camperio, 6 sp. (MZUF 539)

Italy, (NA) Ischia Is., Sant'Angelo d'Ischia, 26.IX.1979, leg. A. Camperio, 2 sp. (MZUF 540)

Italy, (ME) Messina, XI.1903, leg. ?, 6 sp. (MZUF 536)

Spain, Cangas, spring near Buxu cave, 30.VIII.2008, leg. S. Cianfanelli & M. Calcagno, 10 sp. (MZUF 534)

Spain, Cangas, valley of the river Cares, m 150, 310. VIII.2008, leg. S. Cianfanelli & M. Calcagno, 1 sp. (MZUF 535)

Myanmar, Ywa Ngan, II.2005, leg. G. Messana, 20 sp. (MZUF 533)

## ACKNOWLEDGEMENTS

Many thanks are due to Fausto Barbagli for the biographical information on Leopoldo Granata and Ludovico Di Caporiacco.

## REFERENCES

- Aiello G., Barra D., Bonaduce G., 1995. Crustacea Ostracoda. In: Minelli A., Ruffo S., La Posta S. (eds.), Checklist delle specie della fauna italiana, 27: 1-19. Ed. Calderini, Bologna.
- Argano R., Bruno M.C., Ceccherelli V.U., Cottarelli V., Mariniello L., Mazzocchi M.G., Pesce G.L., Principato M., Relini G., Stella E., 1995. Crustacea Maxillopoda, Pentastomida. In: Minelli A., Ruffo S., La Posta S. (eds.), Checklist delle specie della fauna italiana, 28: 1-57. Ed. Calderini, Bologna.
- Colosi G., 1940. Commemorazione del Prof. Leopoldo Granata. *Atti Soc. Tosc. Sci. Nat., Mem.* 49: 1-11.
- Colosi G., 1951. Lodovico Di Caporiacco. *Monit. Zool. Ital.* 59: 82-83.
- Cottarelli V., Margaritora F.G., Mura G., 1995. Crustacea Branchiopoda. In: Minelli A., Ruffo S., La Posta S. (eds.), Checklist delle specie della fauna italiana, 26: 1-10. Ed. Calderini, Bologna.



- Di Caporiacco L., 1938. Cladocères marins recueillis pendant les croisières du Prince Albert de Monaco. *Bull. Inst. Océanogr., Monaco* 740: 1-12.
- Dumont H.J., 1981. On a collection of zooplankton from Somalia, with a description of three new species of Copepoda. *Monit. Zool. It., N.S., Suppl.* 14: 103-111.
- Granata L., 1914. Nuove Specie di Ostracodi. *Bull. Soc. Entomol. It.* 46: 26-30.
- Granata L., 1915. Raccolte planctoniche fatte dalla R. Nave «Liguria» nel viaggio di circumnavigazione del 1903-05 sotto il comando di S.A.R. Luigi di Savoia Duca degli Abruzzi. Crostacei I. Ostracodi. *Publ. R. Ist. Studi Sup. Firenze (Sc. Fis. Nat.)* 2: 122-162.
- Granata L., Di Caporiacco L., 1949. Ostracodes Marins Recueillis pendant les Croisières du Prince Albert I de Monaco. *Res. Camp. Sci. Prince Monaco* 109: 1-51.
- G.R.S.T.S., 1986. Underwater Scientific & Technical Research Group, Florence - Italy. 1966-1986. Twenty years' private contribution to research, 1-31. Tipografia Giuntina, Firenze.
- Innocenti G., 2007. Collections of the Natural History Museum, Zoological Section «LA SPECOLA» of the University of Florence, XXIII. Crustacea, Class Maxillopoda, Subclass Thecostraca, Infraclass Cirripedia. *Atti Soc. Tosc. Sc. Nat. Mem. Ser. B* 113: 1-11
- Leva F., 1992-1994. Storia delle campagne oceaniche della R. Marina. 4 Volumes. Ed. Ufficio Storico Marina Militare, Roma.
- Martens K., 1987. On *Sclerocypris pardii* n. sp. (Crustacea Ostracoda) from Somalia. *Monit. Zool. Ital. N.S., Suppl.* 22: 59-72.
- Martens K., 1982. On a small collection of freshwater ostracods (Crustacea Ostracoda) from Somalia, with a description of two new species. *Monit. Zool. Ital., N.S., Suppl.* 17: 149-170.
- Martens K., 1990. Taxonomic revision of African Cypridini. Part 1: the genera *Cypris* O. F. Müller, *Pseudocypris* Daday and *Globocypris* Klie (Crustacea, Ostracoda). *Bull. k. Belg. Inst. Natuurwetensch., Biol.* 60: 127-172.
- Martin J.W., Davis G.E., 2001. An updated classification of the recent Crustacea. *Nat. Hist. Mus. L.A. County, Contrib. Sci.* 39: 1-124.
- Mascherini B., 1991. Le miscellanee della Biblioteca di Biologia animale dell'Università degli Studi di Firenze. *Atti Soc. Tosc. Sci. Nat. Mem. Ser. B* 98: 135-152.
- Pardi L., 1976. L'attività del «Centro di Studio per la Faunistica ed Ecologia Tropicali» del Consiglio Nazionale delle Ricerche nel quinquennio 1971-1976. *Monit. Zool. Ital. N.S., Suppl.* 7: 195-269.
- Pardi L., 1982. L'attività del «Centro di Studio per la Faunistica ed Ecologia Tropicali» del Consiglio Nazionale delle Ricerche dal 1976 al 1981. *Monit. Zool. Ital. N.S., Suppl.* 16: 219-262.
- Vannini M., Innocenti G., Ruwa R.K., 1993. Family group structure in mysids, commensals of hermit crabs (Crustacea). *Trop. Zool.* 6: 189-205.

(ms. pres. il 6 novembre 2009; ult. bozze il 25 giugno 2010)

