

Echinodermata of India

An annotated list

D.R.K. SASTRY



ANDAMAN AND NICOBAR ISLANDS

Dedicated to



**P.N. Ganapati, F.N.A.
(1910-1984)**

OCCASIONAL PAPER No. 271

**RECORDS
OF THE
ZOOLOGICAL SURVEY OF INDIA**

Echinodermata of India : An annotated list

D. R. K. SASTRY*

Zoological Survey of India, Andaman and Nicobar Regional Station, Port Blair-744 102

**Present address : Freshwater Biological Station, Zoological Survey of India, 366/1 Ring Road, Attapur, Near DFO Flying Squad, Hyderabad-500 048, INDIA.*

Edited by the Director, Zoological Survey of India, Kolkata



**Zoological Survey of India
Kolkata**

CITATION

Sastry, D.R.K. 2007. Echinodermata of India : An annotated list. *Rec. zool. Surv. India, Occ. Paper No.*, **271** : 1-387. Plates-I-IV (Published by the Director, *Zool. Surv. India*, Kolkata)

Published October, 2007

ISBN : 978-81-8171-171-7

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PRICE

Indian Rs. 600.00

Foreign \$ 45 £ 35

Published at the Publication Division, by the Director, Zoological Survey of India, 234/4 A.J.C. Bose Road, 2nd MSO Building, Nizam Palace (13th floor), Kolkata - 700 020 and printed at Krishna Printing Works, Kolkata - 700 006.

RECORDS OF THE ZOOLOGICAL SURVEY OF INDIA OCCASIONAL PAPER

No. 271

2007

Pages 1-387

CONTENTS

INTRODUCTION	1
Class CRINOIDEA	3
Class OPHIUROIDEA	89
Class ECHINOIDEA	154
Class HOLOTHUROIDEA	215
OBSERVATIONS AND CONCLUSIONS	269
SUMMARY	272
ACKNOWLEDGEMENTS	272
REFERENCES OF MULTIVARIATE ANALYSIS	273
PARTIAL BIBLIOGRAPHY OF ECHINODERMATA	273
TAXONOMIC INDEX	294-384
PLATES	385-387

INTRODUCTION

The echinoderm fauna of Indian coast is known since as early as 1743 when Plancus and Gaultire reported some echinoderms off Goa (James, 1987g). However, there has been not much progress in our knowledge of the group till Marine Survey of the Indian Museum took active interest in exploring the marine fauna of the Indian subcontinent. During the cruises of the Royal Indian Marine Survey Steamer *INVESTIGATOR* several species of echinoderms were collected from shallow regions of the coastal areas as well as deep waters. These were studied and reported up on mainly under *Echinodermata of the Indian Museum* in 10 parts and in a few smaller accounts. Since then various researchers added from time to time, several species to the list. These later accounts are several and widely scattered. Further, there have been many changes in the status of the different taxa. With the result, the researchers, planning and management personnel, *etc.* are facing difficulty in compiling the echinoderm fauna known from a region. These are extensively needed particularly in the management of Protected Areas as basic information as well as for undertaking studies on the biodiversity of a region. To fulfill these needs, the following account has been compiled from all the available literature and unpublished material present in the National Zoological Collection of Zoological Survey of India. The main aim of the present work is to prepare a base of available information by bringing together the scattered knowledge, so that further studies can be planned. It has not been possible to examine the material of all the species because of vastness and scattered nature in addition to their fragile condition due to preservation over a century in some cases.

Under the species, the original references, as far as these are available to the author, references of reports from Indian coast and references of detailed synonymy, distribution, revision *etc.* are given. Concerning the echinoderm fauna of Andaman and Nicobar Islands, species which were inadvertently missing and further details of localities and references which could not be given in the earlier publication (Sastry, 2005), are also added in the present work. Records of a few closely related species or species whose identity is doubtful because of uncertain characters or requiring study of the material are given together. Material identified only up to genus, are also given but not numbered unless no species of the genus is known from the Indian coast. Examination of material of some more species is also required for confirmation. Under Indian references details of distribution of some species in Andaman and Nicobar Islands are omitted since these have been given in the recent work (Sastry, 2005).

To indicate distribution of the species, the entire coast is divided into 11 regions in a sequence. These are, 1. Gujarat including the Union Territory of Diu & Daman (GJ), 2. Maharashtra (MR), 3. Goa, 4. Karnataka (KT), 5. Union Territory of Lakshadweep (LD), 6. Kerala (KL), 7. Tamil Nadu including the Union Territory of Pondicherry (TN), 8.

Andhra Pradesh (AP), 9. Orissa (OR), 10. West Bengal (WB) and 11. Andaman and Nicobar Islands (ANI). A certain degree of subjectivity inevitably crept in determining the boundaries of adjacent regions, such as Lakshadweep and Kerala, and locations off Gujarat and Maharashtra, offshore locations South of Tamil Nadu and Kerala, deep water locations in the Gulf of Mannar between Tamil Nadu and Sri Lanka.

The locality of many species collected by Marine Survey including those of R. I.M.S. *Investigator*, was mentioned as Andamans in the publications, registers and labels irrespective of whether the material came from Andaman or Nicobar Islands. Some authors, Bell (1887) and Soota *et al.* (1983) for example, gave the locality as Andamans or Andaman and Nicobar Islands considering both the groups of islands as a single area. Bell (1888) while compiling the list of echinoderms from Bay of Bengal, did not give importance to the exact area such as Gulf of Mannar and other Tamil Nadu coastal areas, Andaman and Nicobar Islands in the Bay of Bengal of India or Mergui Archipelago of Myanmar. It was only mentioned "In addition to the papers already cited, the list given by Dr. Lütken (*Vid. Med.* 1871 : 272) has been used in the preparation of this summary. Information as to the Ophiurids collected by the 'Novara' at the Nicobars is to be found in Herr Marktanner-Turneretscher's paper in the *Annales des k. k. Naturh. Mus.* ii. p. 291 *et seq.*" These are unfortunately, not available to the author. If information on the details from other sources is available, these have been assigned to Andaman or Nicobar Islands. Further, the *Investigator* Station List and also the publications mentioned the locality of some species as Lakshadweep Sea though the area is off the Kerala or Karnataka coasts as per the Longitudes and Latitudes given therein. Similarly many localities given as Madras or Madras Presidency and Ganjam coast are at present located in the Andhra Pradesh State. These also have been corrected accordingly.

The Indian seacoast with its differing ecological habitats supports a large diversity of echinoderms exceeding 640 species. From the biodiversity perspectives, it would appear imperative to unravel faunal similarity and special features in the faunal composition amongst regions and habitats examined. These are not fully reflected by the conventional univariate measures of species diversity, such as Margalef Index and Shannon-Weiner H' . Recently, Warwick and Clarke (1995) introduced the concept of taxonomic distinctness diversity (Λ^+) as a univariate (bio-) diversity index which in its simplest form, calculates the average 'distance' between all pairs of species in a community sample. The 'distance' is defined as the path length through a standard Linnean or 'phylogenetic tree' connecting these species (Clarke and Warwick, 1999). Later, Clarke and Warwick (2001) introduced a further biodiversity index *i.e.* variation in taxonomic distinctness (Λ^+), which is defined as mean path length through the 'taxonomic tree' connecting every pair of species in the list. On the strength of a macrofaunal study Warwick and Clarke (1995) viewed that the taxonomic distinctness index may also have a greater sensitivity to disturbance events than is seen with species-level richness or evenness indices. With information on 644 species (excluding some holothurians whose Linnean Hierarchy could not be ascertained and including some genera without a status up to species), an attempt has been made to compare taxonomic distinctness diversity amongst different regions and habitats. A total of 60 sites were identified with a

combination of the 11 regions already mentioned and seven habitats (substrata) namely, coral (C), rock (R), hard (H- coral and/or rock)), sand associated with coral (SC), sand associated with rock (SR), sand associated with hard (SH), sand (S), and finally mud (M). The deepwater habitats were assumed to be muddy while the shallow water habitats consisted of the rest. The single muddy habitat of West Bengal inhabited by the single amphiuroid ophiuroid, *Amphiura (Ophiopeltis) tenuis*, is excluded since it is the only shallow water muddy habitat species among the 11 regions. PRIMER v.5 containing a suite of programs (Clarke and Warwick, 1994; Clarke and Gorley, 2001) was used to carry out the analysis. The study resulted in some noteworthy findings.

The partial bibliography gives references with further details of synonymy, description and distributional range outside the Indian region. Most of the species are Indo-West Pacific in general distribution and some have limited distribution extending to the neighboring coasts, particularly the Myanmar. Very few deep water and shallow warm water species are Atlantic-Indo-Pacific. The works of Nagabhushanam and Rao on the fauna of Orissa coast (1969) and Minicoy Atoll of the Lakshadweep (1972) have not been considered for want of authenticity of identifications. The list of Venkataraman *et al.* (2002) is also not considered since the compilation omitted several species reported and included a few species not known from the Gulf of Mannar and some not with current status. Some references, wherein only the species are listed or casually referred to, are also omitted, if there are other references which indicate the occurrence.

Class CRINOIDEA

The Expedition to Maldivian and Laccadive Archipelagoes by the team led by J. S. Gardiner collected several echinoderms from these atolls. Only Minicoy Island of the Lakshadweep was visited during the cruises. Clark and Davies (1966) corrected the identifications of Bell (1902) and Clark and Rowe (1971) listed 17 Species under Maldivian-Laccadive area, evidently only from the Maldives. Unfortunately, no crinoids were collected and reported. Recently James (1989) reported a broken specimen of a crinoid which could not be identified. Satyanarayana (personal communication) during his dives for assessing the status of diversity and health of corals of the atolls, came across several crinoids (? also species) among the sublittoral corals. Evidently, the earlier collectors, including the present author, did not collect sublittoral species. It is expected that sublittoral collections from the reefs bring into light many crinoids from these islands, at least as many species as reported from the nearby Maldives, if not more.

Order COMATULIDA (Unstalked Crinoids) Family COMASTERIDAE

1. *Capillaster mariae* (A.H. Clark)

1907. *Comatula mariae* A.H. Clark, *Proc. U.S. nat. Mus.*, **33** : 153.

1912. *Capillaster mariae* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 74. Andamans.

1983. *Capillaster mariae* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 88. Andamans.
2005. *Capillaster mariae* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 3. Andaman Islands.

2. *Capillaster multiradiatus* (Linnaeus)

1758. *Asterias multiradiata* Linnaeus, C. *Systema Naturae* Ed., **10** : 663. Indian Seas.
1888. *Actinometra parvicirra* (part) : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1895. *Actionometra parvicirra* (part) : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3(II)** : 114. Tamil Nadu : Gulf of Mannar (Tuticorin).
1912. *Capillaster multiradiatus* : A.H. Clark, *Echinoderma of the Indian Museum, Part VII* : 74, 310. Tamil Nadu : Gulf of Mannar (Tuticorin); Andamans; Nicobars.
1931. *Capillaster multiradiata* : Clark, A.H. *Bull. U.S. natn. Mus. No. 82, Vol. 1* (part 3) : 173. Tamil Nadu : Gulf of Mannar (Tuticorin); North Andamans: 8 miles west of Interview Island, 82 m; South Andamans : Off Rutland Island, 64 m, *Investigator* St. 239. off South Andamans, 11° 49' 30'' N 92° 55' E, 100 m (55 fms.). Myanmar.
1971. *Capillaster multiradiatus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 6-7 (distribution) and 15 (key).
1985. *Capillaster multiradiatus* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985. Paper No.*, **54** (Mimeo) : 2. Tamil Nadu : Gulf of Mannar Marine National Park
1988. *Capillaster multiradiatus* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985. 1* : 403. Tamil Nadu : Gulf of Mannar Marine National Park
1997. *Capillaster multiradiatus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **13**(1 & 2) : 48. South Andamans.
1999. *Capillaster multiradiatus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 18. Andamans.
2005. *Capillaster multiradiatus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper, No.* **233** : 3. Andaman and Nicobar Islands.

3. *Comanthina nobilis* (P.H. Carpenter)

1884. *Actinometra nobilis* P.H. Carpenter, *Rep. Sci. Voy. H.M.S. "Challenger" Zoology*, **11** : 55.
1912. *Comanthus (Comanthina) schlegeli* : A.H. Clark, *Echinoderma of the Indian Museum, Part VII* : 91.
1986. *Comanthina nobilis* : Rowe et al. *Zool. Jl Linn. Soc.*, **86** : 243.
1997. *Comanthina nobilis* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **13** : 48. Andamans.
2005. *Comanthina nobilis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 4. Andamans.

4. *Comanthina schlegeli* P.H. Carpenter

1881. *Actinometra schlegeli* P.H. Carpenter, *Notes from the Leyden Museum*, **3** : 210.

1912. *Comanthus (Comanthina) schlegeli* (part) : A.H. Clark, *Echinoderma of the Indian Museum*. Part VII : 91. Andamans.
1931. *Comanthina schlegeli* : Clark, A.H. *Bull. U.S. natn. Mus.*, No. 82, Vol. 1(part 3) : 466. South Andamans . Invisible Bank. 11° 29'-10° 59' N 93° 30' E.
1969. *Comanthina schlegeli* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 51. Tamil Nadu : Gulf of Mannar (Mandapam).
1971. *Comanthina schlegeli* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 6-7 (distribution) and 16 (key).
1985. *Comanthus schlegeli* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper, No. 54 (Mimeo) : 2. Tamil Nadu : Gulf of Mannar Marine National Park
1988. *Comanthus schlegeli* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. 1 : 3. Tamil Nadu : Gulf of Mannar Marine National Park.
1986. *Comanthina schlegeli* : Rowe *et al.* *Zool. Jl Linn Soc.*, 86 : 244.
2005. *Comanthina schlegeli* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper*, No. 233 : 4. Andamans.

5. *Comanthus parvicirrus* (Müller)

1841. *Alecto parvicirra* Müller, J. *Archiv fur. Naturgesch.*, 1841 : 145.
1841. *Alecto timorensis* Müller, J. *Monatsber. d. k. preuss. Akad. Wiss.*, 1841 : 186.
1882. *Actinometra annulata* Bell, F.J. *Proc. zool. Soc. Lond.*, 1882 : 535.
1888. *Actinometra parvicirra* (part) : Bell, F.J. *Proc. zool. Soc. Lond.*, 1888 : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1894. *Actionometra parvicirra* (part) : Thurston, E. *Bull. Madras Govt. Mus.Sci. Ser.*, No. 1 : 7-62. Tamil Nadu : Gulf of Mannar.
1894. *Actionometra parvicirra* (part) : Thurston, E. *Madras Govt. Mus. Bull.*, No. 2 : 106. Tamil Nadu : Gulf of Mannar (Ramesvaram).
1912. *Comanthus (Comanthus) annulata* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 96. Tamil Nadu : Gulf of Mannar (Tuticorin), 0-55 m (0-30 fms.).
1912. *Comanthus (Comanthus) parvicirra* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 97. Tamil Nadu : Gulf of Mannar (Tuticorin), Madras; Andamans; Nicobars.
1931. *Comanthus timorensis* : Clark, A.H. *Bull. U.S. natn. Mus.*, No. 82, Vol. 1 (part 3) : 603. Including *Comanthus annulata* (Bell). *Comanthus timorensis* a valid species with part of *C. parvicirra* : A.H. Clark (1912 : 97, collections from Sri Lanka and India representing *C. timorensis*).
1931. *Comanthus (Comanthus) parvicirra* : Clark, A.H. *Bull. U.S. natn. Mus.*, No. 82, Vol. 1 (part 3) : 631. Tamil Nadu : Gulf of Mannar; North Andamans : *Investigator Station 7*. Off NE of Table Island. 27-64 m; Nicobars (*Galathea Expedition*, P.H. Carpenter, 1888).
1932. *Comanthus (Comanthus) parvicirra* : A.H. Clark, *Rec. Indian Mus.*, 34(4) : 554. Andamans, Nicobars.
1969. *Comanthus (Comanthus) timorensis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 51. Tamil Nadu : Gulf of Mannar (Tuticorin).

1969. *Comanthus (Comanthus) parvicirra* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 51. Tamil Nadu : Gulf of Mannar (Tuticorin).
1971. *Comanthus parvicirrus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 6-7 (distribution) and 16 (key). Table note 3 : *Comanthus timorensis* a synonym of *Comanthus parvicirrus*.
1985. *Comanthus parvicirrus* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985. Paper No.*, **54** (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Comanthus parvicirrus* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*, **1** : 403. Tamil Nadu : Gulf of Mannar Marine National Park.
2001. *Comanthus parvicirrus* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 158. South Andamans : Ritchie's Archipelago (Havelock).
2005. *Comanthus parvicirrus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 4. Andaman and Nicobar Islands.

6. *Comanthus samoanus* A. H. Clark

1909. *Comanthus (Comanthus) samoana* Clark, A.H. *Proc. U.S. nat. Mus.*, **37** : 30.
1912. *Comanthus (Comanthina) samoana* : Clark, A.H. *Echinoderma of the Indian Museum, Part VI* : 95. South Andamans : Invisible Bank.
1931. *Comanthus (Cenolia) samoana* : Clark, A.H. *Bull. U.S. natn. Mus.*, No. **82**, Vol. 1 (part 3) : 593. South Andamans : Invisible Bank, 36 miles east of the Sisters Islands, 11° 29' to 10° 59' N 93° 30' E.
2001. *Comanthus samoanus* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 159. South Andamans : Ritchie's Archipelago (Havelock).
2005. *Comanthus samoanus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 4. As per the recent revision by Rowe *et al.* (1986), some of the records of this species are possibly of the next species. Hence the records are given under the next species until the exact distribution clarified through reexamination of the material.

7. *Comanthus wahlbergi* (Müller)

1843. *Alecto wahlbergi* J. Müller, *Archiv. fur Naturgesch.*, **1843**, i. p. 131.
1909. *Comanthus samoana* A.H. Clark, *Proc. U.S. nat. Mus.*, **37** : 30.
1912. *Comanthus (Comanthus) wahlbergi* : A.H. Clark, *Echinoderma of the Indian Museum, Part VII* : 95.
1912. *Comanthus (Comanthus) samoana* : A.H. Clark, *Echinoderma of the Indian Museum, Part VII* : 95. South Andamans : Invisible Bank.
1971. *Comanthus samoanus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 6-7 (distribution) and 16 (key).
1986. *Comanthus wahlbergi* : Rowe *et al.*, *Zool. Jl Linn. Soc.*, **86** : 228.
1999. *Comanthus samoanus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 18. North Andamans.

2001. *Comanthus samoanus* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 159. Andamans.
2004. *Comanthus wahlbergi* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat*, Part **2** : 187. Gujarat : Gulf of Kachchh (Okha, Mandvi).
2005. *Comanthus wahlbergi* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 4. Andaman and Nicobar Islands.

8. *Comaster gracilis* (Hartlaub)

1890. *Actinometra gracilis* Hartlaub, *Nachr. Ges. Göttingen Mai*, **1890** : 187.
1912. *Comaster gracilis* : A.H. Clark, *Echinoderma of the Indian Museum*, Part **VII** : 84. South Andamans : Port Blair.
1931. *Comaster gracilis* : Clark, A.H. *Bull. U.S. natn. Mus.*, No. **82**, Vol. 1 (part 3) : 430.
1971. *Comaster gracilis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 6-7 (distribution) and 16 (key).
1983. *Comaster gracilis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 88. South Andamans : Port Blair.
1985. *Comaster gracilis* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Comaster gracilis* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 403. Tamil Nadu : Gulf of Mannar Marine National Park.
2005. *Comaster gracilis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 4. Andaman Islands.

9. *Comaster multibrachiata* (P.H. Carpenter)

1888. *Actinometra multibrachiata* P.H. Carpenter. "Challenger" Reports, Zoology, **26** : 299.
1912. *Comaster multibrachiata* : Clark, A.H. *Echinoderma of the Indian Museum*, Part **VII** : 84. Andamans, 31-55 m (17-30 fms.).
1931. *Comaster multibrachiata* : Clark, A.H. *Bull. U.S. natn. Mus.*, No. **82**, Vol. 1 (part 3) : 437. Andaman Islands.
1971. *Comaster multibrachiatus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow water Indo-West Pacific echinoderms*, 6-7 (distribution) and 16 (key).
1983. *Comaster multibrachiata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 88. Andaman Islands.
2005. *Comaster multibrachiatus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 5. Andaman Islands.

10. *Comaster multifidus* (J. Müller)

1841. *Alecto multifida* Müller, J. *Monatsber. d. k preuss. Akad. d. wiss.*, **1841** : 188.
1912. *Comaster multifida* : Clark, A.H. *Echinoderma of the Indian Museum*, Part **VII** : 84.
1931. *Comaster multifida* : Clark, A.H. *Bull. U.S. natn. Mus.* No., **82**, Vol. 1 (part 3) : 413.

1971. *Comaster multifidus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 6-7 (distribution) and 16 (key).
1999. *Comaster multifidus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 18. North Andamans.
2001. *Comaster multifidus* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 159 South Andamans.
2005. *Comaster multifidus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 5. Andaman Islands.

11. *Comaster parvus* A.H. Clark

1909. *Comaster parvus* Clark, A.H. *Proc. Biol. Soc. Wash.*, **22** : 144.
1912. *Comaster parvus* : Clark, A.H. *Echinoderma of the Indian Museum*, Part VII : 88, 315. Andamans : 97m (53 fms.).
1983. *Comaster parvus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 88. Andamans.
2005. *Comaster parvus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 6. Andaman Islands.

12. *Comatella maculata* (P.H. Carpenter)

1888. *Actinometra maculata* Carpenter, P.H. "*Challenger*" *Reports, Zoology*, **26** : 307.
1931. *Comatella maculata* : Clark, A.H. *Bull. U.S. natn. Mus. No.*, **82**, Vol 1 (part 3) : 112.
1932. *Comatella maculata* : Clark, A.H. *Rec. Indian Mus.*, **34**(4) : 552.
1971. *Comatella maculata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 6-7 (distribution) and 15 (key).
1983. *Comatella maculata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 88. Nicobars.
1997. *Comatella maculata* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **13**(1 & 2) : 49. South Andamans : MGMNP (Pongibalu).
1999. *Comatella maculata* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 18. North Andamans : Swamp and Dotrel Islands.
2005. *Comatella maculata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 6. Andaman and Nicobar Islands.

Material : Nicobars : Trinket Island.

13. *Comatella nigra* (P.H. Carpenter)

1876. *Actinometra nigra* Carpenter, P.H. *Journ. Anat. Physiol.*, **10** : 583.
1888. *Actinometra nigra* : P.H. Carpenter, "*Challenger*" *Reports Zoology*, Vol. **26** : 304.
1931. *Comatella nigra* : Clark, A.H. *Bull. U.S. natn. Mus. No.*, **82**, Vol. 1 (part 3) : 92.
1971. *Comatella nigra* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 6-7 (distribution) and 15 (key).
1998. *Comatella nigra* : Sastry, D.R.K. *Symp. Proc. "Island Ecosystem and Sustainable Development"* p. 133. Andamans.

1999. *Comatella nigra* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 18. Andamans.
2001. *Comatella nigra*: Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 159. South Andamans : Ritchie's Archipelago (Havelock).
2005. *Comatella nigra* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper*, No. **233** : 6. Andaman and Nicobar Islands.

14. *Comatella stelligera* (P.H. Carpenter)

1880. *Actinometra stelligera* P.H. Carpenter, *J. Linn. Soc., (Zool.)*, **15** : 198.
1931. *Comatella stelligera* : Clark, A.H. *Bull. U.S. natn. Mus. No.*, **82**, Vol 1 (part 3) : 98.
1971. *Comatella stelligera* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 6-7 (distribution) and 15 (key).
1985. *Comatella stellifera* (sic!) : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Comatella stelligera* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1999. *Comatella stelligera* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 18. North Andamans : Interview Island.
2001. *Comatella stelligera* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 159. South Andamans : Ritchie's Archipelago (Havelock, Sir William Peel).
2005. *Comatella stelligera* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 7. Andaman Islands.

15. *Comatula brevicirra* (Bell)

1894. *Antedon brevicirra* Bell, F.J. *Proc. zool. Soc. Lond.*, **1894** : 400.
1912. *Comaster parvus* : Clark, A.H. *Echinoderma of the Indian Museum*, Part **VII** : 88, 315. Andaman Islands, 97 m (53 fms).
1931. *Comaster brevicirra* : Clark, A.H. *Bull. U.S. natn. Mus.*, No. 82, Vol. **1** (part 3) : 444. Andaman Islands.
1932. *Comatula brevicirra* : A.H. Clark, *Rec. Indian Mus.*, **34**(4) : 553. South Andamans : Port Blair; Nicobars: Investigator St. 623. Nicobars : Kamorta Island, Coral Reef north east of Octavia Bay; Investigator St. 624. Nicobars : Nancowry Island, Coral Reef off Reed Point.
1983. *Comatula brevicirra* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 88. Nicobar Islands.
2005. *Comatula brevicirra* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 7. Nicobar Islands.

16. *Comatula micraster* A.H. Clark

1909. *Comatula micraster* A.H. Clark, *Proc. Biol. Soc. Wash.*, **22** : 143. Andaman Islands, 110 m (60 fms.).

1912. *Comatula micraster* : Clark, A.H. *Echinoderma of the Indian Museum*. Part VII : 81. Andamans : 110 m (60 fms.); West of South Andamans, 11° 49' 30'' N, 92° 55' E, 101 m (55 fms.).
1931. *Comatula micraster* : Clark, A.H. *Bull. U.S. natn. Mus.*, No. 82, Vol. 1 (part 3) : 373. South Andamans: Investigator Station 252. 11° 50' 30'' N 92° 53' E 110 m; Investigator Station 239. 11° 49' 30'' N, 92° 55' E, 100 m.
1983. *Comatula micraster* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 88. West of South Andaman Island.
2005. *Comatula micraster* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 7. Andaman Islands.

17. *Comatula pectinata* (Linnaeus)

1758. *Asterias pectinata* Linnaeus, C. *Systema Naturae*, Ed. 10 : 663.
1912. *Comatula pectinata* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 80. India.
1932. *Comatula pectinata* : A.H. Clark, *Rec. Indian Mus.*, 34(4) : 552. Nicobars : Investigator St. 624. Nancowry Island, coral reef off Reed Point.
1971. *Comatula pectinata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow water Indo-West Pacific echinoderms*, 6-7 (distribution) and 14 (key).
2005. *Comatula pectinata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 7. Nicobar Islands.

18. *Oxycomanthus bennetti* (Müller)

1841. *Alecto bennetti* Müller, J. *Monatsber. d. k. preuss. Akad. d. wiss.*, 1841 : 187.
1912. *Comanthus (Comanthina) bennetti* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 93. North Andamans : Table Island, 27-64 m (15-35 fms.).
1931. *Comanthus (Cenolia) bennetti* : Clark, A.H. *Bull. U.S. natn. Mus.*, No. 82, Vol. 1 (part 3) : 531. North Andamans : Table Island, 27-64 m.
1971. *Comanthus bennetti* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow water Indo-West Pacific echinoderms*, 6-7 (distribution) and 16 (key).
1986. *Oxycomanthus bennetti* : Rowe, F.W.E. *et al. Zool. Jl Linn. Soc.*, 86 : 259. New Combination with the new genus *Oxycomanthus*.
2001. *Oxycomanthus bennetti* : Sastry, D.R.K. *Rec. zool. Surv. India*, 99 : 159. South Andamans.
2005. *Oxycomanthus bennetti* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 8. Andaman Islands.

Family HIMEROMETRIDAE

18a. *Amphimetra molleri* (A.H. Clark)

1908. *Himerometra molleri* A.H. Clark, *Proc. Biol. Soc. Wash.*, 21 : 222.
1912. *Amphimetra molleri* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 122, 316. Indian Ocean, Myanmar.

1971. *Amphimetra molleri* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow water Indo-West Pacific echinoderms*. 6-7 (distribution) and 23 (key).

19. *Craspedometra acuticirra* (P.H. Carpenter)

1882. *Antedon acuticirra* P.H. Carpenter, *J. Linn. Soc.*, (Zool.), **16** : 509.
1912. *Craspedometra acuticirra* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 117. Andamans.
1971. *Craspedometra acuticirra* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*. 8-9 (distribution) and 21 (key).
1983. *Craspedometra acuticirra* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 88. Andaman Islands.
2005. *Craspedometra acuticirra* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 8 Andaman Islands.

20. *Craspedometra anceps* (P.H. Carpenter)

1888. *Antedon anceps* P.H. Carpenter, "*Challenger*" *Rep. Zool.*, **26** : 254.
1912. *Craspedometra anceps* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 316. Andaman Islands.
2005. *Craspedometra anceps* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 8. Andaman Islands.

21. *Heterometra bengalensis* (Hartlaub)

1890. *Antedon bengalensis* Hartlaub, *Nachr. Ges. Gottingen, Mai*, **1890** : 182.
1912. *Heterometra bengalensis* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 130, 318. Orissa : Off Gopalpore, 46-51 m (25-28 fms.); Andamans.
1971. *Heterometra bengalensis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*. 8-9 (distribution) and 22 (key).
1983. *Heterometra bengalensis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 88. Andaman Island.
2005. *Heterometra bengalensis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 8. Andaman Islands.

22. *Heterometra compta* A.H. Clark

1909. *Heterometra compta* A.H. Clark, *Proc. U.S. nat. Mus.*, **36** : 636.
1912. *Heterometra compta* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 124. Off Karnataka : Pedro Shoal (North of Lakshadweep).
1971. *Heterometra compta* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*. 8-9 (distribution) and 23 (key).

23. *Heterometra philiberti* (Müller)

1849. *Comatula philiberti* Müller, J. Abhandl. d. k. preuss. Akad. d. Wiss., **1847** : 259.
1909. *Amphimetra mortenseni* A.H. Clark, *Proc. U.S. nat. Mus.*, **36** : 635. South Andamans : Port Blair.
1912. *Amphimetra philiberti* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 107. 316. Andaman Id. Port Blair.
1971. *Heterometra philiberti* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow water Indo-West Pacific echinoderms*, 8-9 (distribution) and 77 (key).
1983. *Amphimetra philiberti* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 88. Andamans.
2005. *Heterometra philiberti* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 8. Andaman Islands.

24. *Heterometra reynaudi* (Müller)

1846. *Comatula (Alecto) reynaudi* Müller, J. *Monatsber. d. k. preuss. Akad. d. Wiss.*, **1846** : 178.
1888. *Antedon reynaudi* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1895. *Antedon reynaudi* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3(II)** : 114. Tamil Nadu : Gulf of Mannar (Pamban), on stems of gorgoniae.
1912. *Heterometra reynaudi* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 121. Tamil Nadu : Gulf of Mannar (Pamban, Tuticorin); Andhra Pradesh : Eight miles ESE of Kalingapatnam Lt. H. 51-55m (28-30 fms.).
1932. *Heterometra reynaudi* : Clark, A.H. *Rec. Indian Mus.*, **34(4)** : 556. Tamil Nadu : Gulf of Mannar (Tuticorin, Palk Strait); Orissa : Gopalpore, Puri.
1971. *Heterometra reynaudi* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 8-9 (distribution) and 22 (key).
1985. *Heterometra reynaudi* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park
1988. *Heterometra reynaudi* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.

25. *Himerometra magnipinna* A.H. Clark

1908. *Himerometra magnipinna* A H. Clark, *Smithsonian Miscellaneous Collections.*, **52(2)** : 214.
1912. *Himerometra magnipinna* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 114.
1971. *Himerometra magnipinna* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 8-9 (distribution) and 21 (key).
1997. *Himerometra magnipinna* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **13(1 & 2)** : 49. Andamans.
2005. *Himerometra magnipinna* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 9. Andaman Islands.

26. *Himerometra robustipinna* (P.H. Carpenter)

- 1912 *Himerometra pulcher* A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 114.
1971. *Himerometra robustipinna* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 8-9 (distribution) and 21 (key).
1998. *Himerometra robustipinna* : Sastry, D.R.K. *Symp. Proc. "Island Ecosystem and Sustainable Development"* p. 134. Andamans.
2005. *Himerometra robustipinna* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 9. Andaman Islands.

Family MARIAMETRIDAE

27. *Dichrometra ciliata* A.H. Clark

1912. *Dichrometra ciliata* A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 319. Orissa : Off Gopalpore, 55-69 m (30-38 fms.).

28. *Dichrometra protectus* (Lütken in P.H. Carpenter)

1879. *Antedon protectus* Lütken in P.H. Carpenter, *Trans. Linn. Soc.*, (Zool.), (2)2 : 19.
1912. *Dichrometra protectus* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 143, 320. Tamil Nadu : Gulf of Mannar; Andhra Pradesh : *Investigator* St. 91. 8 miles SE of Bawanpadu Beacon, 51 m (28 fms.); Andamans.
1983. *Dichrometra protectus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 88. Andaman Island.
2005. *Dichrometra protectus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 9. Andaman Islands.

29. *Lamprometra palmata* (J. Müller)

1841. *Alecto palmata* Müller, J. *Archiv fur Naturgesch.*, **1841**, i, p. 144.
1888. *Antedon palmata* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1912. *Dichrometra palmata* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 148. India.
1932. *Lamprometra palmata* : A.H. Clark, *Rec. zool. Surv. India*, **344** : 136. Kerala : *Investigator* St. 391. Thiruvananthapuram Coast, 9° 14' 10'' N 75° 45' E, 475 m (260 fms.); Neendakara Bar, 6 miles NW of Quilon; Tamil Nadu : Madras Harbour, 9 m (5 fms.). Gulf of Mannar (Tuticorin Harbour).
1941. *Lamprometra palmata* : Gravely, F.H. *Bull. Madras Govt. Mus. New Series (Nat. Hist. Section)*, **V**(1) : 86, 105. Tamil Nadu : Chennai.
1953. ?*Lamprometra* sp. Patiil, A.M. *J. Bombay nat. Hist. Soc.*, **51** : 429-434. Karnataka : Karwar coast.
1962. *Lamprometra palmata palmata* : Sane, S.R. and Chhapgar, B.F. *J. Bombay nat. Hist. Soc.*, **59**(2) : 673. Maharashtra : Bombay (Bombay).
1969. *Lamprometra palmata palmata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 51. Tamil Nadu : Gulf of Mannar (Tuticorin).

1971. *Lamprometra palmata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 8-9 (distribution) and 24 (key).
1972. *Lamprometra palmata* : Rao, K.H. and Sowbhagyavathi, R. *Proc. Indian natn. Sci. Acad.* **38B** (5-6): 360-366. Andhra Pradesh : Visakhapatnam coast (Pudimadaka). Several associates, particularly myzostomes.
1985. *Lamprometra palmata* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985. Paper. No. 54* (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Lamprometra palmata* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park
1988. *Lamprometra palmata* : James, D.B. *In : M.F. Thompspon et al. Marine Biodeterioration*, p. 233. Tamil Nadu : Gulf of Mannar (Vadalai).
1999. *Lamprometra palmata* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 18. North Andamans : Oliver Island, Egg Island.
2001. *Lamprometra palmata* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 160. South Andamans : Ritchie's Archipelago (Havelock).
2004. *Lamprometra palmata* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat, Part 2* : 187. Gujarat : Umbergaon, Daman. Large number of specimens in shallow puddles at low tide mark, crawling on the sandy bottom at Nani Daman beach of Daman.
2005. *Lamprometra palmata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper*, No. **233** : 9. Andaman Islands.

30. *Selenometra aranea* (A.H. Clark)

1909. *Dichrometra aranea* A.H. Clark, *Proc. Biol. Soc. Wash.*, **22** : 76.
1912. *Selenometra aranea* : A.H. Clark, *Echinoderma of the Indian Museum, Part VII* : 139. West of Andamans, 51 m (28 fms.).
1983. *Selenometra aranea* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, No. **34** : 88. Andamans.
2005. *Selenometra aranea* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper*, No. **233** : 10. Andaman Islands.

Family STEPHANOMETRIDAE

30a. *Stephanometra coronata* A.H. Clark

1909. *Stephanometra coronata* A.H. Clark, *Proc. U.S. nat. Mus.*, **36** : 639. "India"
1912. *Stephanometra coronata* : A.H. Clark, *Echinoderma of the Indian Museum, Part VII* : 133. India.

31. *Stephanometra indica* (Smith)

1876. *Comatula indica* Smith, E.A. *Ann. Mag. nat. Hist.*, (4)**17** : 406.
1895. *Antedon palmata* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3**(II) : 114. Tamil Nadu : Gulf of Mannar (Pamban, Tuticorin), in the crevices or on gorgoniae.

1912. *Stephanometra indica* : Clark, A.H. *Echinoderma of the Indian Museum*, Part VII : 135. Tamil Nadu : Gulf of Mannar (Tuticorin), 0-62 m (0-34 fms.).
1971. *Stephanometra indica* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 8-9 (distribution) and 24 (key).
1985. *Stephanometra indica* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., 54 (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Stephanometra indica* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. 1 : 404. Tamil Nadu : Gulf of Mannar Marine National Park
2001. *Stephanometra indica* : Sastry, D.R.K. *Rec. zool. Surv. India*. 99 : 160. South Andamans : Ritchie's Archipelago (Havelock).
2004. *Stephanometra indica* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat*, Part 2 : 188. Gujarat : Gulf of Kachchh (Ajad Reef).
2005. *Stephanometra indica* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 10. Andaman Islands.

32. *Stephanometra monacantha* (Hartlaub)

1890. *Antedon monacantha* Hartlaub, *Nachr. Ges. Gottingen*, Mai, 1890 : 179.
1912. *Stephanometra monacantha* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 136. South Andamans : Port Blair; Nicobars; Tamil Nadu : Gulf of Mannar (Tuticorin); 0-38 m (0-21 fms.).
1983. *Stephanometra monacantha* (sic!) : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 88. Andaman Island.
2005. *Stephanometra monacantha* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 10. Andaman and Nicobar Islands.

Family COLOBOMETRIDAE

33. *Cenometra herdmani* A.H. Clark

1909. *Cenometra herdmani* A.H. Clark, *Proc. Biol. Soc. Wash.*, 22 : 145.
1912. *Cenometra herdmani* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 154, 321. Orissa : Ganjam Coast, 22 m (12 fms.) and 44-55 m (24-30 fms.); Off Gopalpore, 46-51 m (25-28 fms.).
1971. *Cenometra herdmani* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 10-11 (distribution) and 19 (key).

33a. *Colobometra brevicirra* A.H. Clark

1912. *Colobometra (Prometra) brevicirra* Clark, A.H. *Echinoderma of the Indian Museum*, Part VII : 321. ?India.

34. *Colobometra discolor* A.H. Clark

1909. *Colobometra discolor* Clark, A.H. *Proc. U.S. nat. Mus.*, 36 : 640. Off North Andamans, 14° 04' 30" N 93° 51' 00" E, 75 m (41 fms.). [?near Coco (Myanmar) or Table Island (North Andaman)].

1912. *Colobometra discolor* : Clark, A.H. *Echinoderma of the Indian Museum*, Part VII : 166. South Andamans : Port Blair.
1912. *Colobometra discolor* : Clark, A.H. *Rec. Indian Mus.*, 7(3) : 269. North Andamans : Off Table Island (near Coco Island), 27-106 m (15-58 fms.).
2005. *Colobometra discolor* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 10. Andaman Islands.

35. *Cotylometra gracilicirra* (A.H. Clark)

1908. *Oligometra gracilicirra* Clark, A.H. *Smithsonian Miscellaneous Collections*, **52**(2) : 221.
1912. *Oligometra serripinna* : Clark, A.H. *Echinoderma of the Indian Museum*, Part VII : 168. Andamans.
2005. *Cotylometra gracilicirra* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 11. Andaman Islands.

35a. *Decametra brevicirra* (A.H. Clark)

1912. *Colobometra (Porometra) brevicirra* A.H. Clark. *Echinoderma of the Indian Museum*, Part VII : 321.
1912. *Prometra brevicirra* A.H. Clark. *Rec. Indian Mus.*, VII(3) : 269. ?India
1971. *Decametra brevicirra* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 10-11 (distribution) and 20 (key).

35b. *Decametra moebiusi* A.H. Clark

1911. *Decametra moebiusi* A.H. Clark, *Proc. U.S. nat. Mus.*, **40** : 31.
1911. *Decametra modica* A.H. Clark, *Proc. U.S. nat. Mus.*, **40** : 32.
1912. *Decametra moebiusi* A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 163. Mauritius, Maldives.
1912. *Decametra moebiusi* : A.H. Clark, *Rec. Indian Mus.*, VII(3) : 269. ?India.

36. *Iconometra intermedia* (A.H. Clark)

1912. *Oligometra intermedia* A.H. Clark, *Rec. Indian Mus.*, VII(3) : 269. Andamans.
1971. *Iconometra intermedia* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 10-11 (distribution) and 19 (key).
1983. *Oligometra intermedia* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 88. Andaman Sea.
2005. *Iconometra intermedia* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 11. Andaman Islands.

37. *Oligometra imbricata* A.H. Clark

1909. *Oligometra imbricata* A.H. Clark, *Proc. Biol. Soc. Wash.*, **21** : 228.

1912. *Oligometra imbricata* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 168. Orissa; Tamil Nadu : Tranquebar.

38. *Oligometra serripinna* (P.H. Carpenter)

1881. *Antedon serripinna* Carpenter, P.H. *Notes from the Leyden Museum.*, 3 : 82.
1912. *Oligometra serripinna* : Clark, A.H. *Echinoderma of the Indian Museum*, Part VII : 169. 323
Karnataka : Pedro Shoal (North of Lakshadweep); Andhra Pradesh : 2½ miles SE of Santapally Lt H., 13-15 m (7-8 fms.); Pundi beacon; Orissa : Off Puri (rocky bank), 18 m (10 fms.); Off Ganjam Coast, 27-46 m (15-26 fms.) and 15-29 m (8-16 fms.); Gopalpore, 46-51 m (25-28 fms.).
1932. *Oligometra serripinna* : Clark, A.H. *Rec. Indian Mus.*, 34(4) : 560. Tamil Nadu : Madras Harbour, 7-9 m (4-5 fms.).
1971. *Oligometra serripinna* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 10-11 (distribution) and 19 (key).

Family PONTIOMETRIDAE

39. *Pontiometra andersoni* (P.H. Carpenter)

1889. *Antedon andersoni* P.H. Carpenter, *J. Linn. Soc. (Zool.)*, 21 : 306.
1912. *Pontiometra andersoni* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 138. Andamans, 0-44 m (0-24 fms.).
1971. *Pontiometra andersoni* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 10-11 (distribution) and 17 (key).
2005. *Pontiometra andersoni* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 11. Andaman Islands.

Family ANTEDONIDAE

40. *Andrometra indica* (A.H. Clark)

1909. *Eumetra indica* A.H. Clark. *Proc. biol. Soc. Wash.*, 22 : 84.
1912. *Eumetra indica* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 242. Andamans. 205 m (112 fms.).
1983. *Eumetra indica* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 88. Andaman Island, 777 m.
2005. *Andrometra indica* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 11. Andaman Islands.

41. *Euantedon* sp.

2004. *Euantedon* sp. Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat*, Part 2 : 188. Gujarat : Diu.

42. *Dorometra nana* (Hartlaub)

1890. *Antedon nana* Hartlaub, *Nachr. Ges. Gottingen, Mai*, 1890 : 170.

1912. *Iridometra nana* : A.H. Clark, *Echinodermata of the Indian Museum*, Part VII : 231. Andaman Islands, surf line; Nicobars.
1971. *Dorometra nana* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 10-11 (distribution) and 25 (key).
1983. *Iridometra nana* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 88. Andaman Island, 76 m.
2005. *Dorometra nana*: Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 11. Andaman and Nicobar Islands.

42a. *Mastigometra micropoda* A.H. Clark

1909. *Mastigometra micropoda* A.H. Clark, *Proc. U.S. nat. Mus.*, **36** : 649. "India"
1912. *Mastigometra micropoda* : A.H. Clark, *Echinodermata of the Indian Museum*, Part VII : 227. "India"
1971. *Mastigometra micropoda* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 12-13 (distribution) and 26 (key).

43. *Psathyrometra inusitata* A.H. Clark

1912. *Psathyrometra inusitata* A.H. Clark, *Rec. Indian Mus.*, VII(3) : 270. South Andamans : 7 miles SE by S from Ross Island, 485 m (265 fms.).
1983. *Psathyrometra inusitata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 88. Andamans.
2005. *Psathyrometra inusitata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 12. Andaman Islands.

44. *Psathyrometra mira* A.H. Clark

1909. *Psathyrometra mira* A.H. Clark, *Proc. U.S. nat. Mus.*, **36** : 648. South Andamans : *Investigator* St. 115. Duncan Passage, 11° 31' 40" N 92° 46' 40" E, 344-402 m (188-220 fms.).
1912. *Psathyrometra mira* : A.H. Clark, *Echinodermata of the Indian Museum*, Part VII : 235. South Andamans: *Investigator* St. 115. Duncan Passage, 11° 31' 40" N 92° 46' 40" E, 344-402 m (188-220 fms); North Andamans : *Investigator* St. 116. Near Interview Island, 13° 27' N 93° E, 741 m (405 fms).
1912. *Psathyrometra mira* : A.H. Clark, *Rec. Indian Mus.*, VII(3) : 270. Kerala : *Investigator* St. 197. West of Alleppy, 742 m (406 fms.); South Andamans : 13 miles S by W from North Sentinel Island, 238-457 m (130-250 fms.); *Investigator* St. 13. 7 miles SE by S from Ross Island, 485 m (265 fms.).
1912. *Psathyrometra major* Clark, A.H. *Rec. Indian Mus.*, VII(3) : 270. South Andamans : *Investigator* St. 115. Duncan Passage, 11° 31' 40" N 92° 46' 40" E, 344-402 m (188-220 fms).
1983. *Psathyrometra mira* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 88. Andaman Island.
2005. *Psathyrometra mira* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 12. Andaman Islands.

45. *Sarametra nicobarica* A.H. Clark

1929. *Sarametra nicobarica* Clark, A.H. *Journ. Linn. Soc. (Zool.)*, **36** : 661. Off the Nicobar Islands.

1967. *Sarametra nicobarica* : Clark, A.H. and Clark, A.M. *Bull. U.S. natn. Mus.*, No. **82**, Vol. **1** (part 5) : 508. Off the Nicobar Islands.
1983. *Sarametra nicobarica* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 88. Off Nicobar Island.
2005. *Sarametra nicobarica* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 12. Nicobar Islands.

46. *Trichometra plana* (A.H. Clark)

1912. *Trichometra plana* A.H. Clark, *Echinoderma of the Indian Museum*, Part **VII** : 240. Tamil Nadu : Investigator St. 232. SW of Kanniyakumari, 7° 17' 30" N 76° 54' 30" E. 786 m (430 fms.).

47. *Trichometra obscura* A. H. Clark

1909. *Trichometra obscura* A.H. Clark. *Proc. Biol. Soc. Wash.*, **22** : 149.
1912. *Trichometra obscura* : A.H. Clark, *Echinoderma of the Indian Museum*, Part **VII** : 240. Kerala : Investigator St. 232. S Thiruvananthapuram, 7° 17' 30" N 76° 54' E. 786 m (430 fms.).

Family TROPIOMETRIDAE

48. *Tropiometra carinata* (Lamarck)

1816. *Comatula carinata* Lamarck, J.B.P.A. de, *Hist. nat. anim. s. vert.*, **2** : 534.
1911. *Tropiometra encrinus* A.H. Clark, *Proc. U.S. nat. Mus.*, **40** : 36.
1912. *Tropiometra encrinus* : A.H. Clark, *Echinoderma of the Indian Museum*, Part **VII** : 177. Tamil Nadu : Sadras (near Mahabalipuram); Gulf of Mannar (Tuticorin).
1912. *Tropiometra encrinus* : Clark, A.H. *Rec. Indian Mus.*, **VII**(3) : 270. Tamil Nadu : Sadras (near Mahabalipuram).
1932. *Tropiometra encrinus* : Clark, A.H. *Rec. Indian Mus.*, **34**(4) : 560. Andhra Pradesh : Visakhapatnam (Waltair, Lawson's Bay); Tamil Nadu : Gulf of Mannar (Pamban, Mandapam.), Madras Harbour.
1932. *Tropiometra indica* Clark, A.H. *Rec. Indian Mus.*, **34**(4) : 560. Kerala : Neendakara Bar.
1941. *Tropiometra encrinus* : Gravelly, F.H. *Bull. Madras Govt. Mus. New Series (Nat. Hist. Section)*, **V**(1) : 86, 105. Tamil Nadu : Chennai.
1969. *Tropiometra carinata clarki* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 51. Tamil Nadu : Gulf of Mannar (Vedalai).
1971. *Tropiometra carinata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 10-11 (distribution) and 25 (key).
1972. *Tropiometra encrinus* : Rao, K.H. and Sowbhagyavathi, R. *Proc. Indian natn. Sci. Acad.*, **38B**(5-6) : 360-366. Andhra Pradesh : Visakhapatnam coast. Several associates, particularly myzostomes.
1985. *Tropiometra carinata* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Tropiometra carinata* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park

1987. *Tropiometra carinata* : James, D.B. *J. mar. biol. Ass.*, **25**(1 & 2) : 102 (1983). Tamil Nadu : Chennai.
1988. *Tropiometra carinata* : James, D.B. In : M.F. Thompspon *et al. Marine Biodeterioration*, p. 233. Tamil Nadu : Gulf of Mannar (Vedalai).

Family CALOMETRIDAE

49. *Neometra spinosissima* (A.H. Clark)

1909. *Calometra spinosissima* A.H. Clark. *Proc. Biol. Soc. Wash.*, **22** : 79.
1912. *Neometra spinosissima* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 181. North Andamans : Investigator St. 236a. 14° 08' N 93° 08' E, 302 m (165 fms.).
1983. *Neometra spinosissima* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 88. Andaman Island.
2005. *Neometra spinosissima* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 12. Andaman Islands.

Family THALASSOMETRIDAE

50. *Crotalometra rustica* A.H. Clark

1909. *Crotalometra rustica* Clark, A.H. *Proc. biol. Soc. Wash.*, **22** : 80.
1912. *Thalassometra rustica* : Clark, A.H. *Echinoderma of the Indian Museum*, Part VII : 198.
1912. *Thalassometra infelix* Clark, A.H. *Echinoderma of the Indian Museum*, Part VII : 203.
1929. *Crotalometra eridanella* Clark, A.H. *Journ. Linn. Soc. (Zool.)*, **36** : 654. Great Nicobar Island. 1902-2048 m (1040-1120 fms.).
1932. *Crotalometra rustica* : Clark, A.H. *Ann. Mag. nat. Hist.*, (10)**10** : 383. Tamil Nadu : off Chennai, 1097 m (600 fms.).
1950. *Crotalometra rustica* : Clark, A.H. *Bull. U.S. natn. Mus.*, No. 82, Vol. 1 (part 4c) : 92. China Sea, Maluccas, Malay Archipelago, Off Great Nicobar Island, 6° 15' N 93° 35' E, 1901-2047 m; Tamil Nadu: Off Chennai, 12° 53' N 80° 45' E, 1097 m.
1983. *Crotalometra eridanella* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 88. Nicobars : Great Nicobar, 2049 m.
2005. *Crotalometra eridanella* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 12. Nicobar Islands.

51. *Crotalometra sentifera* A.H. Clark

1909. *Crotalometra sentifera* A.H. Clark, *Proc. Biol. Soc. Wash.*, **22** : 147. Lakshadweep, 10° 47' 45'' N 72° 40' 20'' E, 1286 m (703 fms.).
- 1912 *Thalassometra sentifera* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 201. Lakshadweep : Investigator Sta. 124. Lakshadweep Sea, 10° 47' 45'' N 72° 40' 20'' E, 1286 m (703 fms.).
1950. *Crotalometra sentifera* : Clark, A.H. *Bull. U.S. natn. Mus.* No., 82, Vol. 1 (part 4c) : 91. Lakshadweep, Maldives.

52. *Stiremetra carinifera* A.H. Clark

1912. *Stiremetra carinifera* Clark, A.H. *Echinoderma of the Indian Museum*, Part VII : 211. Kerala : Investigator St. 232. S Thiruvananthapuram, 7° 17' 30'' N 76° 54' 30' E. 786 m (430 fms.).
1950. *Stiremetra carinifera* Clark, A.H. *Bull. U.S. natn. Mus.*, No. 82, Vol. 1 (part 4c) : 130. Kerala : Investigator St. 232. S Thiruvananthapuram, 7° 17' 30'' N 76° 54' 30'' E. 786 m (430 fms.).

53. *Thalassometra peripolos* A.H. Clark

1929. *Thalassometra periplos* Clark, A.H. *Journ. Linn. Soc.*, (Zool.), **36** : 651. Southeast coast of Car Nicobar Island, 1034 m (560 fms.).
1983. *Thalassometra peripolos* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 88. South of Nicobar, 1024 m.
2005. *Thalassometra peripolos* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 13. Nicobar Islands.

53a. *Thalassometra* sp.

1907. *Thalassometra pergracilis* A.H. Clark, *Smithsonian Miscellaneous Collections*, **50(3)** : 360.
1912. *Thalssometra pergracilis* (part) : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 207 Andamans : 30 miles West of Middle Andamans, 887m (485 fms.)
1950. *Thalassometra* sp. Clark, A.H. *Bull. U.S. natn. Mus.* No., 82, Vol. 1 (part 4c) : 185. The mutilated specimen of *Investigator* from about 30 miles west of Middle Andamans, does not really represent *Thalassometra pergracilis* (= *gracilis*, Philippines and SW Japan).
2005. *Thalassometra pergracilis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 13 Andaman Islands.

Family EUDIOMETRIDAE

54. *Eudiocrinus minor* A.H. Clark

1909. *Eudiocrinus minor* A.H. Clark. *Proc. Biol. Soc. Wash.*, **22** : 75.
1912. *Eudiocrinus minor* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 102. Andamans.
1912. *Eudiocrinus minor* : A.H. Clark, *Rec. Indian Mus.*, Part VII(3) : 268. Andaman Islands.
1932. *Eudiocrinus minor* : A.H. Clark, *Rec. Indian Mus.*, **34(4)** : 268. Andaman Islands.
1983. *Eudiocrinus minor* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 88. Andaman Islands.
2005. *Eudiocrinus minor* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 13. Andaman Islands.

55. *Eudiocrinus ornatus* A.H. Clark

1909. *Eudiocrinus ornatus* A.H. Clark, *Proc. U.S. nat. Mus.*, **36** : 636. 14° 04' 30'' N 93° 51' E, 75 m (41 fms.).

1912. *Eudiocrinus ornatus* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 99. North Andamans : 14° 04' 30'' N 93° 51' E. 75 m (41 fms.); 8 miles W of Interview Id. 494-82 m (270-45 fms.)
1932. *Eudiocrinus ornatus* : A.H. Clark, *Rec. Indian Mus.*, **34**(4) : 553.
1983. *Eudiocrinus ornatus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 88. Andaman Island.
2005. *Eudiocrinus ornatus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 13. Andaman Islands.

Family ZYGOMETRIDAE
55a. *Zygometa andromeda* A.H. Clark

1912. *Zygometa andromeda* A.H. Clark, *Rec. Indian Mus.*, **7**(3) : 268. India.

Family CHARITOMETRIDAE
56. *Glyptometra crassa* (A.H. Clark)

1912. *Pachylometra crassa* Clark, A.H. *Proc. biol. Soc. Wash.*, **25** : 77.
1950. *Glyptometra crassa* : Clark, A.H. *Bull. U.S. natn. Mus. No.*, **82** (Vol. 1, part 4c) : 237. South of Nicobars, 1023 m.

57. *Glyptometra invenusta* (A.H. Clark)

1909. *Pachylometra invenusta* A.H. Clark, *Proc. Biol. Soc. Wash.*, **22** : 149.
1912. *Pachylometra invenusta* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 220. South Andamans : 11° 46' 30'' N 93° 16' 00'' E. 1041 m (569 fms.).
1950. *Glyptometra invenusta* : Clark, A.H. *Bull. U.S. natn. Mus. No.*, **82** (Vol. 1, part 4c) : 275.
1983. *Glyptometra invenusta* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 88. Andaman Island.
2005. *Glyptometra invenusta* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 13. Andaman Islands.

58. *Glyptometra macilenta* A.H. Clark

1909. *Pachylometra macilenta* A.H. Clark, *Proc. Biol. Soc. Wash.*, **22** : 81. Lakshadweep : 10° 47' 45'' N 72° 40' 20'' E. 1289 m (705 fms.).
1912. *Pachylometra macilenta* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 222. Lakshadweep : Investigator St. 124. 10° 47' 45'' N 72° 40' 20'' E. 1289 m (705 fms.).
1936. *Perissometra macilenta* : Clark, A.H. *John Murray Exped. 1933-34, Sci. Rep.*, **4**(4) : 101, 104.
1950. *Glyptometra macilenta* : Clark, A.H. *Bull. U.S. natn. Mus. No.*, **82** (Vol. 1, part 4c) : 259.

59. *Perissometra occidentalis* A.H. Clark

1929. *Perissometra occidentalis* Clark, A.H. *Journ. Linn. Soc. (Zool.)*, **36** : 635 (list), 655. 120 miles off the Seychelles, 1463 m (800 fms.).

1950. *Perissometra occidentalis* : Clark, A.H. *Bull. U.S. natn. Mus.* No., **82** (Vol. 1, part 5) : 259. Lakshadweep : 10° 47' 45'' N 72° 40' 20'' E, 1288 m; South of Timoriaut, 914 m; Off Seychelles, 1462 m.
1983. *Perissometra occidentalis* (sic!) : James, D.B. *Bull. cent. mar. Fish. Res. Inst.* No., **34** : 88. Nicobars : South of Nicobar, 1024 m.
2005. *Perissometra occidentalis* (sic!) : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper* No., **233** : 13. Nicobar Islands.

Family PENTAMETROCRINIDAE

60. *Pentametrocrinus varians* (Carpenter)

1882. *Eudiocrinus varians* P.H. Carpenter, *J. Linn. Soc.*, (Zool.), **16** : 496.
1912. *Pentametrocrinus varians* : A.H. Clark, *Echinoderma of the Indian Museum*, Part **VII** : 251. South Andamans : Investigator Sta. 315. 10° 06' N 92° 29' E. 1289 m (705 fms.); Investigator Sta. 331. Andaman Sea, 11° 46' 30'' N 93° 16' E, 1041 m (569 fms.).
1912. *Pentametrocrinus varians* : A.H. Clark, *Rec. zool. Surv. India*, **VII**(3) : 271. Andamans : Investigator Sta. 114. Andaman Sea, 13° 21' N 93° 27' E. 1686 m (922 fms.).
2005. *Pentametrocrinus varians* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper* No., **233** : 14. Andaman and Nicobar Islands.

61. *Decametrocrinus* sp.

1912. *Decametrocrinus* sp. A.H. Clark, *Echinoderma of the Indian Museum*, Part **VII** : 248. Lakshadweep Investigator St. 124. 10° 47' 45'' N 72° 40' 20'' E, 1286 m (703 fms.).

62. *Thaumatocrinus investigatoris* A.H. Clark

1912. *Decametrocrinus* sp. A.H. Clark, *Echinoderma of the Indian Museum*, Part **VII** : 248, 249. Lakshadweep : Investigator St. 124. 10° 47' 45'' N 72° 40' 20'' E, 1286 m (703 fms.).
1967. *Thaumatocrinus investigatoris* A.H. Clark in Clark, A.H. and Clark, A.M. *Bull. U.S. natn. Mus.* No., **82** (Vol. 1, part 5) : 769. Off the Lakshadweep, 1285 m and Off the Maldives, 914 m.

Order BOURGUETICRINIDA (Stalked Crinoids)

Family BOURGUETICRINIDAE

63. *Bathycrinus woodmasoni* A.H. Clark

1909. *Bathycrinus woodmasoni* Clark, A.H. *Proc. Biol. Soc. Wash.*, **22** : 150.
1912. *Bathycrinus woodmasoni* : Clark, A.H. *Echinoderma of the Indian Museum*, Part **VII** : 274. Nicobars : West of Nicobar Islands, 6° 18' N 90° 40' E, 2800 m (1520 fms.).
1983. *Bathycrinus woodmasoni* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.* No., **34** : 88. West coast of Nicobar.
2005. *Bathycrinus woodmasoni* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper* No., **233** : 14. Nicobar Islands.

Family HINTACRINITIDAE

64. *Comastrocrinus ornatus* (A.H. Clark)

1909. *Hyalocrinus ornatus* A.H. Clark. *Proc. U.S. nat. Mus.*, **36** : 651. Andaman Sea, 366 m (200 fms.).
1912. *Comastrocrinus ornatus* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 257. Andaman Sea, 366 m (200 fms.); Karnataka : Near Pedro Shoal, 13° 47' 49'' N 73° 07' E, North of Lakshadweep Sea, 1163 m (636 fms.).
1983. *Comastrocrinus ornatus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 88. Andaman Sea.
2005. *Comastrocrinus ornatus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 14. Andaman Islands.

65. *Comastrocrinus springeri* (A.H. Clark)

1909. *Hyalocrinus springeri* A.H. Clark. *Proc. U.S. nat. Mus.*, **36** : 650. Karnataka : 13° 47' 49'' N 73° 07' 00'' E, 1163 m (636 fms.).
1912. *Comastrocrinus springeri* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 254. West of Goa, 15° 29' N 72° 41' E, (= Pedro Shoal), 1022 m (559 fms.); North of Lakshadweep, 1163 m (636 fms.); South Andamans : 8 miles South of Cinque Island, 914 m (500 fms.).
2005. *Comastrocrinus springeri* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 14. Andaman Islands.

Class ASTEROIDEA

Order PAXILLOSIDA

Family LUIDIIDAE

1. *Luidia (Luidia) denudata* Koehler

1910. *Luidia denudata* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 20. Andhra Pradesh : Investigator St. 166, 13° 34' 55'' N 80° 32' 12'' E, 243 m (133 fms.); Coromandal Coast.
1989. *Luidia (Luidia) denudata* : Clark, A.M. *Echinoderm Studies*, **3** : 241. Andhra Pradesh : Off Coromandel Coast, 243 m.

2. *Luidia (Luidia) hardwicki* (Gray)

1840. *Petalaster hardwicki* Gray, *Ann. Mag. Nat. Hist.*, **6** : 183.
1888. *Luidia hardwicki* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1895. *Luidia hardwicki* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3(11)** : 114. Tamil Nadu : Gulf of Mannar (Pamban).
1969. *Luidia hardwicki* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 52. Maharashtra: Bombay.
1971. *Luidia hardwicki* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 30-31 (distribution) and 44 (key).
1987. *Luidia hardwicki* : James, D.B. *J. mar. biol. Ass.*, **25(1 & 2)** : 102 (1983). Tamil Nadu : Chennai.

1989. *Luidia (Luidia) hardwicki* : Clark, A.M. *Echinoderm Studies*, **3** : 242. Indian Ocean, South China Sea to Torres Strait, N Australia. 10-94 m.
1995. *Luidia hardwicki* : Sastry, D.R.K. *Estuarine Ecosystem Series*, Part 2 : *Hugli Matla Estuary*, p. 331. West Bengal : Mouth of Hugli River (Sandheads).
1998. *Luidia hardwicki* : Sastry, D.R.K. *State Fauna Series 3 : Fauna of West Bengal* (part 10) : 470. West Bengal : Mouth of Hugli River (Sandheads).
2001. *Luidia prionota* Fisher, 1913 : Clark, A.M. and Mah, C. *Echinoderm Studies*, **6** : 329. A synonym of *L. hardwicki* (Gray, 1840) according to Liao and A.M. Clark, 1995 (1996). Extension of range from Philippines and N Australia to Hawaii by Mah, 1998.

3. *Luidia (Luidia) integra* Koehler

1910. *Luidia integra* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 18. North Andamans : Investigator St. 238. 13° 16' N 93° 08' E. 110-137 m (60-75 fms.).
1989. *Luidia (Luidia) integra* : Clark, A.M. *Echinoderm Studies*, **3** : 243. Off North Andaman Islands, 110-137 m.
2005. *Luidia (Luidia) integra* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 15. Andaman Islands.

4. *Luidia (Luidia) limbata* (Sladen)

1889. *Luidia limbata* Sladen, W.P. *Rep. scient. Results. Voy. Challenger Zool.*, **30** : 251.
1910. *Luidia limbata* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 10. Karnataka : 8 miles WSW of Honawar; Tamil Nadu : Gulf of Mannar (Palk Strait), 22 m (12 fms.); Orissa : Gopalpore, 46-51m (25-28 fms.); Andaman Islands, 13-16 m (7-9 fms.); South Andamans : Little Andaman Island.
1983. *Luidia limbata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andaman Island, 12-51m.
1989. *Luidia (Luidia) limbata* Sladen : Clark, A.M. *Echinoderm Studies*, **3** : 243. A synonym of *L. quinaria* von Martens, 1865 according to Gotto, 1914.
2005. *Luidia (Luidia) limbata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 15. Andaman Islands. Possibly one of the other species recorded or lapsus by A.M. Clark (1989 : 245) not to mention Andaman record under *L. quinaria* while mentioning this species as a synonym of *L. quinaria*. *Vide supra*.

5. *Luidia (Luidia) maculata* Müller and Troschel

1842. *Luidia maculata* Müller, J. and Troschel, F.H. *System der Asteriden*, p. 77.
1888. *Luidia maculata* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1895. *Luidia maculata* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3(II)** : 114. Tamil Nadu : Gulf of Mannar (Pamban).
1910. *Luidia maculata* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 10. Orissa : Balasore Bay.

1969. *Luidia maculata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 52. Tamil Nadu : Gulf of Mannar (Pamban, Pudimadam).
1971. *Luidia maculata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 30-31 (distribution) and 43 (key).
1983. *Luidia maculata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andaman Island.
1985. *Luidia maculata* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Luidia maculata* : James, D.B. *J. mar. biol. Ass.*, **25**(1 & 2) : 102 (1983). Tamil Nadu : Chennai.
1988. *Luidia maculata* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1989. *Luidia (Luidia) maculata* : Clark, A.M. *Echinoderm Studies*, **3** : 243. S. Japan, Indonesia and N Australia west to E. Africa and Red Sea.
2004. *Luidia maculata* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat, Part 2* : 189. Zoological Survey of India, Kolkata. Gujarat : Gulf of Kachchh (Poshitra Bay).
2005. *Luidia (Luidia) maculata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 15. Andaman Islands.

6. *Luidia (Luidia) savignyi* (Audouin)

1826. *Asterias savignyi* Audouin, p. 208 (in A.M. Clark, **1989** : 247).
1889. *Luidia savignyi* : Sladen, W.P. *Rep. Challenger Zool.*, **XXX** : 246, 742.
1889. *Luidia savignyi* : Bell, F.J. *Ann. Mag. nat. Hist.*, (6)**III** : 422.
1910. *Luidia savignyi* : Koehler, R. *Echinoderma of the Indian Museum, Part VI* : 10. Andaman Islands.
1971. *Luidia savignyi* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 30-31 (distribution) and 43 (key).
1983. *Luidia savignyi* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andaman Island.
1989. *Luidia (Luidia) savignyi* : Clark, A.M. *Echinoderm Studies*, **3** : 247. Egyptian Red Sea, S to Natal. S. Africa, Mauritius, Sri Lanka, Andaman Islands, Philippine Islands and (?) Marshall Islands. Intertidal to c. 50 m.
2005. *Luidia (Luidia) savignyi* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 15. Andaman Islands.

Family ASTROPECTINIDAE

7. *Astropecten bengalensis* Döderlein

1917. *Astropecten bengalensis* Döderlein, L. *Siboga Exped. Monogr.*, **46a** : 127.
1910. *Astropecten mauritianus* : Koehler, R. *Echinoderma of the Indian Museum, Part VI* : 32. [non : Gray]. Orissa : Off Chilika Lake, 13-15 m (7-8 fms.); *Investigator* St. 70. Off Chilika Lake, 20 m (11 fms.); *Investigator* St. 71. 12 ½ miles NE of Ganjam, 18 m (10 fms.); Gopalpore, 46-51 m (25-28 fms.); Tamil Nadu : Mahabalipuram, 9-18 m (5-10 fms.).

1941. *Astropecten mauritianus* : Gravelly, F.H. *Bull. Madras Govt. Mus. New Series (Nat. Hist. Section)*, V(1) : 86, 105. Tamil Nadu : Chennai.
1971. *Astropecten bengalensis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*. 30-31 (distribution), 45 (key).
1987. *Astropecten bengalensis* : James, D.B. *J. mar. biol. Ass.*, **25**(1983) : 102. Tamil Nadu : Chennai.
1989. *Astropecten bengalensis* : Clark, A.M. *Echinoderm Studies*, **3** : 253. *A. mauritianus* : Koehler, 1910 : 32 [non : Gray, 1840] = *A. bengalensis* Döderlein. Bay of Bengal, Sri Lanka, Singapore, 9-122 m.
1995. *Astropecten bengalensis* : Sastry, D.R.K. *Wetland Ecosystem Series I : Fauna of Chilika Lake*, p. 477. Koehler's record as *Astropecten mauritianus* is actually off Chilika Lake, not from Chilika Lake. Orissa : Off Chilika Lake.

Material : Orissa : Off Chilika Lake; Ganjam; Off Gopalpore. 13-51 m (7-28 fms.); Andhra Pradesh : Srikakulam District (off Nuvvula Revu. D.R.K. Sastry, 16.2.1995); Visakhapatnam District (off Bheemunipatnam, 20 m, K.A. Sai, 28.2.1987, one spec. (R/r = 50/12 mm, breadth at arm base 12 mm, paxillar width 6 mm); off Bheemunipatnam, 40 m, K.A. Sai, 31.12.1987, one spec. (R = 70 mm: off Bheemunipatnam, 30 m, K.A. Sai, 31.12.1987, six specs (R = 10-75 mm) and an arm of 56 mm; off Bheemunipatnam, 20 m, K.A. Sai, 31.12.1987, eight specs (R/r = 35/8; 35/8; 36/8; 42/8; 42/9; 45/8; 50/10 and 60+/12 mm); Krishna District (Nachukunta, near Nagayalanka, Dr. C.A.N. Rao, 20.12.2000, four specs, R = 15-25 mm).

8. *Astropecten euryacanthus* Lütken

1805. *Asterias petalodea* Retzius, A.J. *Dussertatio sistens species cognitae Asteriarum*, p. 17.
1872. *Astropecten euryacanthus* Lütken, C.F. *Vidensk. Meddr dansk naturh. Foren.*, **1871** : 231. ?Nicobar Islands.
1910. *Astropecten nobilis* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 51. West Bengal : Mouth of Hugli River (Sandheads).
1971. *Astropecten euryacanthus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 30-31 (distribution) and 44 (key).
1989. *Astropecten euryacanthus* : Clark, A.M. *Echinoderm Studies*, **3** : 257. A synonym of *Asterias petalodea* Retzius (1805) according to Sladen (1889) though synonymy set aside by Döderlein (1917) and *A. euryacanthus* treated as valid.
1989. *Astropecten nobilis* : Clark, A.M. *Echinoderm Studies*, **3** : 264. A synonym of *A. euryacanthus* Lütken, 1871 according to Döderlein, 1917 but that itself may be a synonym of *A. petalodea* (Retzius, 1805).
1989. *Astropecten petalodea* : Clark, A.M. *Echinoderm Studies*, **3** : 265. With synonyms *A. euryacanthus* Lütken, 1871 and *A. nobilis* Koehler, 1910. A possible case for suppression by the ICZN unless type material is extant. Bay of Bengal, Nicobar Is and Sri Lanka.
1995. *Astropecten euryacanthus* : Sastry, D.R.K. *Estuarine Ecosystem Series*, Part 2 : *Hugli Matla Estuary*, p. 331. West Bengal : Mouth of Hugli River (Sandheads).

1998. *Astropecten euryacanthus* : Sastry, D.R.K. *State Fauna Series 3 : Fauna of West Bengal. Part 10* : 471. West Bengal : Mouth of Hugli River (Sandheads, Bakkhali), Digha

2005. *Astropecten euryacanthus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No., 233* : 16. Nicobar Islands

Material : West Bengal : Mouth of Hugli River (Sandheads). P.V. *Lady Fraser*, 24.4.1924, one spec; Bakkhali. B.P. Haldar, 2.4.1987, five specs; Digha. Dr. D.R.K. Sastry, 21.2.1988, one spec.; Andhra Pradesh : Krishna District (Mouth of Krishna River near Machilipatnam, S. Krishnan, 13.2.1997, one spec.; Manginapudi, near Machilipatnam, Dr. C.A.N. Rao, 20.9.1998, one spec.).

9. *Astropecten greigi* Koehler

1909. *Astropecten greigi* Koehler, R. *Echinoderma of the Indian Museum, Part V* : 26. Lakshadweep : *Investigator* St. 122. 12° 05' 35'' N 71° 35' 50'' E, 366-732 m (200-400 fms.) [Station List recorded the depth to be 1582-1609 m (865-880 fms.)]; *Investigator* St. 248. Off Kerala (Lakshadweep Sea), 08° 37' N 75° 37' 30'' E, 409-519 m (224-284 fms.); *Investigator* St. 269. Off Kerala (Lakshadweep Sea), 08° 09' N 76° 30' E, 849 m (464 fms.); Andamans : Andaman Islands, 237-457 m (130-250 fms.); West coast of Andamans, 421-530 m (230-290 fms.).

1983. *Astropecten greigi* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No., 34* : 89. Andaman Island, 237-744 m.

1989. *Astropecten greigi* : Clark, A.M. *Echinoderm Studies*, 3 : 258. Kerala : Malabar Coast; Lakshadweep Sea; Andaman Islands, 236-850 m.

2005. *Astropecten greigi* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No., 233* : 16. Andaman Islands.

10. *Astropecten hemprichi* Müller and Troschel

1842. *Astropecten hemprichi* Müller, J. and Troschel, F.H. *System der Asteriden*, 1. Asteriae, p. 71.

1971. *Astropecten hemprichi* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 30-31 (distribution) and 45 (key).

1985. *Astropecten hemprichi* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., 54 (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.

1988. *Astropecten hemprichi* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*, 1 : 404. Tamil Nadu : Gulf of Mannar Marine National Park.

1989. *Astropecten hemprichi* : Clark, A.M. *Echinoderm Studies*, 3 : 259. Red Sea, Arabian Gulf S to Natal. [non : de Loriol, 1885, = *A. mauritanus* var. *mascarena* Döderlein, 1917.

2001. *Astropecten hemprichi* : Sastry, D.R.K. *Estuarine Ecosystem Series 4 : Fauna of Godavary Estuary*, p. 83. Stomach contents included hermit crabs (Crustacea) and cerithiids (Mollusca). Andhra Pradesh : Narsapur (Antarvedi Light House, Darbharevu, Biyyaputippa).

11. *Astropecten indicus* Döderlein

1888. *Astropecten indicus* Döderlein. L. Zool. Jb. Syst., **3** : 828.
1910. *Astropecten indicus* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 27. Orissa : Mouth of Devi River, 14 m (7 ½ fms.); Puri; Off Chilika Lake, 16 m (9 fms.); Southern East Coast : Coromandal Coast, 13-57 m (7-31 fms.); Tamil Nadu : Madras Coast.
1941. *Astropecten mauritianus* : Gravely, F.H. *Bull. Madras Govt. Mus., (Nat. Hist.)*, **5**(1) : 86. Tamil Nadu : Chennai
1948. *Astropecten indicus* : John, D.D. *Novit. Zool.*, **42** 5. India, probably near Madras. Tamil Nadu.
1950. *Astropecten indicus* : Kurian, C.V. In : 1988. James, D.B. In : M.F. Thompspon *et al. Marine Biodeterioration*, p. 237. Tamil Nadu : Gulf of Mannar (Krusadai Island).
1953. *Astropecten indicus* : Kurian, C.V. *Proc. natn. Inst. India*, **19**(6) : 756. Kerala.
1968. *Astropecten indica* : Radhakrishna, Y. and Ganapati, P.N. *Bull. natn. Inst. India*, **38** : 695. Andhra Pradesh : Kakinada Bay (*Placuna* and *Tonna* Zones)
1969. *Astropecten indicus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 51. Tamil Nadu : Gulf of Mannar (Tuticorin, Mandapam).
1971. *Astropecten indicus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 30-31 (distribution) and 45 (key).
1985. *Astropecten indicus* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park
1988. *Astropecten indicus* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1989. *Astropecten indicus* : Clark, A.M. *Echinoderm Studies*, **3** : 259. Lectotype designated by Jangoux, M. **1985** : 23. Sri Lanka, Arabian (Iranian), Gulf to Singapore and S Molucca Islands.
1995. *Astropecten indicus* : Sastry, D.R.K. *Wetland Ecosystem Series 1 : Fauna of Chilika Lake*, p. 477. Koehler's record is actually off Chilika Lake, not from Chilika Lake. Orissa : Off Chilika Lake.
1995. *Astropecten indicus* : Sastry, D.R.K. *Estuarine Ecosystem Series, Part 2 : Hugli Matla Estuary*, p. 332. West Bengal : Mouth of River Hugli (Sagar Island Sandheads). Matla River (Kishorimohanpur, Prentice Island, Dwarika Nagar).
1998. *Astropecten indicus* : Sastry, D.R.K. *State Fauna Series 3 : Fauna of West Bengal*, Part **10** : 471. West Bengal : Mouth of Hugli River (Sagar Island, Sandheads). Matla Estuary, Digba.
2004. *Astropecten indicus* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat*, Part **2** : 189. Zoological Survey of India, Kolkata. Gujarat : Navi Bandar.

Material : Gujarat : Odedhad, between Porbandar and Veraval, G.C. Rao and T.K. Samanta, 3.11.1971, 21 specs; Orissa : Off Chilika Lake; Puri; Devi River Mouth; Chandipur; Mahanadi Estuary. 0-16 m (0-9 fms.).

12. *Astropecten inutilis* Koehler

1910. *Astropecten inutilis* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 49. Karnataka : Mangalore, 66 m (36 fms.).

1989. *Astropecten inutilis* : Clark, A.M. *Echinoderm Studies*, 3 : 260. Kerala : Malabar coast, South India, 66 m. [At present, Mangalore is under Karnataka].

13. *Astropecten monacanthus* Sladen

1883. *Astropecten monacanthus* Sladen. W.P. J. Linn. Soc., (Zool.), 17 : 216.
1910. *Astropecten monacanthus* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 37. Tamil Nadu: Madras Coast; Andhra Pradesh : Coromandal Coast; Orissa : Orissa Coast, Mouth of Devi River; Andaman Island, 27 m (15 fms.).
1969. *Astropectem monacanthus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, No. 7 : 51. Tamil Nadu : Gulf of Mannar (Tuticorin).
1971. *Astropecten monacanthus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 30-31 (distribution), 45, 46 (key).
1983. *Astropectem monacanthus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 89. Andaman Islands.
1985. *Astropectem monacanthus* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., 54 (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park
1988. *Astropectem monacanthus* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. 1 : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1989. *Astropectem monacanthus* : Clark, A.M. *Echinoderm Studies*, 3 : 263. Philippine Islands, Arabian Gulf and East Africa to southern China and northern Australia.
2005. *Astropectem monacanthus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 16. Andaman Islands.

Material : Orissa : Orissa Coast; Devi River Mouth; Mahanadi Estuary; Konark. 0-16 m (0-9 fms.).

14. *Astropecten polyacanthus* Müller and Troschel

1842. *Astropecten polyacanthus* Müller, J. and Troschel, F.H. *System der Asteriden*. p. 69.
1887. *Astropecten polyacanthus* : Bell, F.J. *Proc. zool. Soc. Lond.*, 1887 : 140. Andamans.
1895. *Astropecten polyacanthus* : Thurston, E. *Madras Govt. Bull.* No., 3(II) : 114. Tamil Nadu : Gulf of Mannar (Pamban).
1910. *Astropecten polyacanthus* : Kochler, R. *Echinoderma of the Indian Museum*, Part VI : 41. Andaman Islands, 27-64 m (15-35 fms.); No. 2234. 48 m (26 ½ fms.).
1969. *Astropecten polyacanthus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 51. Tamil Nadu : Gulf of Mannar (Pamban).
1971. *Astropecten polyacanthus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 30-31 (distribution) and 44 (key).
1978. *Astropecten polyacanthus* : Julka, J.M. and Das, Sumita. *Mitt. Zool. Mus. Berlin*, 54(2) : 345. Middle Andamans : Mayabunder.

1983. *Astropecten polyacanthus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andaman Island, 0-91 m.
1985. *Astropecten polyacanthus* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985. Paper No.*, **54** (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Astropecten polyacanthus* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985.* **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1989. *Astropecten polyacanthus* : Clark, A.M. *Echinoderm Studies*, **3** : 266. *A. polyacanthus s. s.* Indo-West Pacific; *A. polyacanthus phragmorus* Fisher, 1913 as *A. acanthifer phragmorus* Philippine Islands, Indonesia, Arabian (Iranian) Gulf, East Africa, S to Natal.
2004. *Astropecten polyacanthus* : Sastry, D.R.K. *Rec. zool. Surv. India*, **103**(1-2) : 60. Nicobars : Great Nicobar Island.
2005. *Astropecten polyacanthus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 16. Andaman and Nicobar Islands.

15. *Astropecten tamilicus* Döderlein

1888. *Astropecten tamilicus* Döderlein, L. *Zool. Jb.*, **3** : 829.
1888. *Astropecten hemprichi* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384. [non : Müller and Troschel, 1842]. Tamil Nadu : Gulf of Mannar (Tuticorin).
1895. *Astropecten hemprichi* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3**(11) : 114. Tamil Nadu : Gulf of Mannar (Pamban). Swallowed *Cerithium*.
1910. *Astropecten tamilicus* : Koehler, R. *Echinoderma of the Indian Museum*, Part **VI** : 41. Andaman Islands; Karnataka : Pedro Shoal, 46 m (25 fms.).
1983. *Astropecten tamilicus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andaman Island, 45 m.
1989. *Astropecten tamilicus* : Clark, A.M. *Echinoderm Studies*, **3** : 270. Sri Lanka area, Andaman Islands and Timor, Indonesia, 6-15 m.
2005. *Astropecten tamilicus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 17. Andaman Islands. Synonym of *A. hemprichi* Müller, J. and Troschel, F.H. according to D.B. James, personal communication.

16. *Astropecten vappa* Müller and Troschel

1843. *Astropecten vappa* Müller, J. and Troschel, F.H. *Arch. Naturgesch.*, **9** : 119.
1910. *Astropecten zebra* Koehler, R. *Echinoderma of the Indian Museum*, Part **VI** : 44. Tamil Nadu : Mahabalipuram, 9-18 m (5-10 fms.); South Andamans : Cinque Islands.
1971. *Astropecten vappa* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 30-31 (distribution) and 45 (key).
1971. *Astropecten zebra* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 30-31 (distribution) and 46 (key).

1983. *Astropecten zebra*: James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andaman Island.
1989. *Astropecten vappa* : Clark, A.M. *Echinoderm Studies*, 3 : 271. With synonyms *A. hartmeyeri* Döderlein, *A. zebra* Sladen and *A. coppingeri* Bell, also subspecies *inequalis* Fisher and varieties *rosea* Sladen and *sibogae* Döderlein formerly of *A. zebra*. *A. vappa* s. s. SW Australia, round northern Australia to southern Queensland, also Sri Lanka and South China Sea, 3-80 m; *A. vappa inequalis* Philippine Islands, South China Sea. c. 10 m.
2004. *Astropecten vappa* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat, Part 2* : 190. Gujarat : Gulf of Kachchh (Okha, Beyt Island).
2005. *Astropecten vappa* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 17. Andaman Islands.

16a. *Astropecten* sp.

1893. *Astropecten* sp. Alcock, A. *Ann. Mag. nat. Hist.*, (6)**XI** : 87. Andaman Sea, 457 m (250 fms.).
2005. *Astropecten* sp. Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 17. Andaman and Nicobar Islands. Current status needs to be ascertained.

16b. *Astropecten* sp.

1953. *Astropecten* sp. Patil, A.M. *J. Bombay nat. Hist. Soc.*, **51** : 429-434. Karnataka : Karwar coast.

17. *Craspidaster hesperus* (Müller and Troschel)

1840. *Archaster hesperus* Müller, J. and Troschel, F.H. *Mber. preuss. Akad. Wiss.*, **1840** : 110.
1900. *Craspidaster glauconotus* Bedford, F.P. *Proc. zool. Soc. Lond.*, **1900** : 290.
1910. *Craspidaster glauconotus* : Koehler, R. *Echinoderma of the Indian Museum*, Part **VI** : 9. Orissa : Ganjam Coast, 44-55 m (24-30 fms.).
1910. *Craspidaster hesperus* : Koehler, R. *Echinoderma of the Indian Museum*, Part **VI** : 9. Andhra Pradesh : Investigator St. 88. 4 miles SE of Maurawalipur. Visakhapatnam coast, 16-24 m (9-13 fms.).
1971. *Craspidaster hesperus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 30-31 (distribution), 44 (key).
1983. *Craspidaster hesperus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andamans : Port Blair, 20 m.
1985. *Craspidaster hesperus* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.
1985. *Craspidaster hesperus* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1989. *Craspidaster hesperus* : Clark, A.M. *Echinoderm Studies*, 3 : 274. *C. hesperus* s. s. S Japan, South China Sea, Philippine Is, Indonesia, 15-195 m; *C. hesperus glauconotus* Bedford, Singapore, Bay of Bengal.

1989. *Craspidaster hesperus glauconotus* : Clark, A.M. *Echinoderm Studies*, 3 : 274. Singapore, Bay of Bengal.
2005. *Craspidaster hesperus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 18. Andaman Islands.

18. *Dipsacaster pentagonalis* Alcock

1894. *Dipsacaster pentagonalis* Alcock, A. *Journ. Asiat. Soc. Bengal*, **62** (Part II, no. 4) : 172. Andaman Sea, 205 m (112 fms.).
1983. *Dipsacaster pentagonalis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andaman Island, 21m.
1989. *Dipsacaster pentagonalis* : Clark, A.M. *Echinoderm Studies*, **3** : 276. Andaman Sea, 200 m.
2005. *Dipsacaster pentagonalis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 18. Andaman Sea.

19. *Dipsacaster sladeni* Alcock

1893. *Dipsacaster sladeni* Alcock, A. *Ann. Mag. nat. Hist.*, (6)**XI** : 87. Andaman Sea, 457 m (250 fms.).
1983. *Dipsacaster sladeni* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andaman Island, 457 m.
1989. *Dipsacaster sladeni* : Clark, A.M. *Echinoderm Studies*, 3 : 277. *D. sladeni s. s.* Andaman Sea, 460m; *D. sladeni capensis* A.M. Clark, 1952 W of Cape Province, South Africa, 110-357 m.
2005. *Dipsacaster sladeni* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 18. Andaman Sea.

20. *Dytaster insignis* (Perrier)

1884. *Archaster insignis* Perrier, E. *Nouv. Archs. Mus. Hist. nat. Paris*, (2)**6** : 256.
1891. *Dytaster exilis* : Wood-Mason and Alcock, *Ann. Mag. nat. Hist.*, (6)**VII** : 429. Andaman Sea, *Investigator* St. 117. 11° 58' N 88° 52' 17" E, 3197 m (1748 fms.); *Investigator* St. 118. 12° 20' N 85° 08' E, 3297 m (1803 fms.); Bay of Bengal, 3519 m (1924 fms.).
1893. *Dytaster exilis* : Alcock, A. *Ann. Mag. nat. Hist.*, (6)**XI** : 80. Andaman Sea, Bay of Bengal, several times between 3197 m (1748 fms.) and 3519 m (1924 fms.)
1951. *Dytaster exilis* : Madsen, F.J. *Rep. Sweedish deep-sea Exped. II (Zoology)* no. **6** : 88.
1989. *Dytaster exilis* Sladen : Clark, A.M. *Echinoderm Studies*, 3 : 278. With varieties *gracilis* Sladen and *carinata* Sladen; also Alcock, 1893, John, 1950, Cherbonnier and Sibuet, 1973. A synonym of *Dytaster insignis* (Perrier, 1883) according to Downey, 1973. (However *vide infra* for distribution).
1989. *Dytaster insignis* : Clark, A.M. *Echinoderm Studies*, 3 : 278. With synonym *Dytaster exilis* Sladen, 1889. SE Gulf of Mexico, West Indies, Azores, Gulf of Guinea, vicinity of Tristan da Cunha and Chile, 2515-4090 m.
2005. *Dytaster insignis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 18. Andaman Sea. The R.I.M.S. *Investigator* Station 117. 11° 58' N 88° 52' 17" E is in the Bay of Bengal, far west of South Andamans, but may fall within the Exclusive Economic Zone around Andaman & Nicobar

group of Islands, while Station 118. 12° 20' N 85° 08' E is very far away even from the Exclusive Economic Zone. A.M. Clark (*op. cit.*) though states *D. exilis* a synonym of *D. insignis*, does not include records from Bay of Bengal in the distribution of the species.

21. *Persephonaster coelochiles* Alcock

1893. *Persephonaster coelochiles* Alcock. A. Ann. Mag. nat. Hist., (6)XI : 84. Andaman Sea, 421-457 m (230-250 fms.).
1989. *Persephonaster coelochiles* : Clark. A.M. Echinoderm Studies, 3 : 284. Andaman Sea, 421-457 m.
2005. *Persephonaster coelochiles* : Sastry, D.R.K. Rec. zool. Surv. India, Occ. Paper No., 233 : 19. Andaman Sea.

22. *Persephonaster croceus* Wood-Mason and Alcock

1891. *Persephonaster croceus* Wood-Mason and Alcock, Ann. Mag. nat. Hist., (6)VII : 430. Tamil Nadu : Investigator St. 109. SE of Kanniyakumari, 7° 41' N 78° 21' E. 1350 m (738 fms.).
1893. *Persephonaster croceus* : Alcock. A. Ann. Mag. nat. Hist., (6)XI : 82. Tamil Nadu : Gulf of Mannar. 1350 m (738 fms.).
1989. *Persephonaster croceus* : Clark. A.M. Echinoderm Studies, 3 : 285. N of Sri Lanka. The locality is SE of Kanniyakumari, not North of Sri Lanka unless there is a separate record from Sri Lanka.

23. *Persephonaster gracilis* (Sladen)

1889. *Psilaster gracilis* Sladen, W. P. Rep. scient. Results. Voy. Challenger Zool., 30 : 230.
1891. *Dytaster anacanthus* Wood-Mason, J. and Alcock, A. Ann. Mag. nat. Hist., (6)VII : 429. West of Andamans : Investigator St. 117. 11° 58' N 88° 52' 17'' E, 3197 m (1748 fms.).
1893. *Dytaster anacanthus* Alcock. A. Ann. Mag. nat. Hist., (6)XI : 80. West of Andamans : Investigator St. 117. 11° 58' N 88° 52' 17'' E, 3197 m (1748 fms.).
1951. *Persephonaster gracilis* : Madsen, F.J. Rep. Sweedish deep-sea Exped. II (Zoology) no. 6 : 87.
1989. *Persephonaster gracilis* : Clark, A.M. Echinoderm Studies, 3 : 285. With synonym *Dytaster anacanthus* Wood-Mason and Alcock. Japan, Bay of Bengal, 3190-3430 m.
2005. *Persephonaster gracilis* : Sastry, D.R.K. Rec. zool. Surv. India, Occ. Paper No., 233 : 19. West of South Andaman Island. The R.I.M.S. Investigator Station 117. 11° 58' N 88° 52' 17'' E is in the Bay of Bengal, far west of South Andamans, but may fall within the Exclusive Economic Zone around Andaman & Nicobar group of Islands.

24. *Persephonaster rhodopeplus* Wood-Mason and Alcock

1891. *Persephonaster rhodopeplus* Wood-Mason, J. and Alcock, A. Ann. Mag. nat. Hist., (6)VII : 431. Lakshadweep Sea : Investigator St. 107. 8° 23' N 75° 47' E, 1350 m (738 fms.); Tamil Nadu : Investigator St. 109. SE of Kanniyakumari, 7° 41' N 78° 21' E, 1350 m (738 fms.).
1893. *Persephonaster rhodopeplus* : Alcock. A. Ann. Mag. nat. Hist., (6)XI : 83. Lakshadweep Sea; Tamil Nadu : Gulf of Mannar; 1350-1650 m (738-902 fms.).

1989. *Persephonaster rhodopeplus* : A.M. Clark, *Echinoderm Studies*, Vol. 3 : 286. Tamil Nadu : Gulf of Mannar, Lakshadweep Sea, and N of Sri Lanka. (The location of St. 109 is SE of Kanniyakumari and nearer to Tamil Nadu coast of India, not North of Sri Lanka unless there is a separate record from Sri Lanka).

24a. *Persephonaster roulei* Koehler

1909. *Persephonaster roulei* Koehler, R. *Echinoderma of the Indian Museum*, Part V : 19. Locality not known, probably from vicinity of India.
1989. *Persephonaster roulei* : A.M. Clark, *Echinoderm Studies*, Vol. 3 : 286. With subspecies *euryplax* Mortensen from off Natal, Indian Ocean.

25. *Psilaster agassizi* (Koehler)

1909. *Phidiaster agassizi* Koehler, R. *Echinoderma of the Indian Museum*, Part V : 29. Kerala : *Investigator* St. 307. SW of Thiruvananthapuram, 7° 28' 30'' N 76° 26' 30'' E, 1624 m (888 fms.); Andaman Sea : *Investigator* St. 306. 9° 20' N 95° 24' E, 1701 m (930 fms.).
1989. *Psilaster agassizi* : Clark, A.M. *Echinoderm Studies*, 3 : 289. Bay of Bengal, Nicobar area, 1623-1700 m.
2005. *Psilaster agassizi* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 19. Nicobar Islands. As per station list of *Investigator* St. 306 is Lakshadweep Sea, between Minicoy and Thiruvananthapuram, 9° 20' N 75° 24' E, 1701 m (930 fms.). But, Koehler gives the location of Station 306 as 9° 20' N 95° 24' E, 1701 m (930 fms.), which is Off Nicobar islands also as per Register, and taken as such by A.M. Clark (1989). Some of the specimens mentioned by Koehler as without locality, were from Sri Lanka area, as per the register.

Remarks : In Koehler's report, the location given for Station 306 as 9° 20' N 95° 24' E, 1701m (930 fms.) the longitude 95° 24' E, is *lapsus* for 75° 24' E. Hence there is no report of the species from Nicobar area. *Investigator* St. 256. Gulf of Mannar is near the international border of India and Sri Lanka, as per the location 7° 58' N 79° 23' E, 1714 m (937 fms.), and as noted against Register No. ZEV 787-789/7. From among the six specimens without locality, the one with R/r = 71/17 mm is the 'TYPE', the one with R/r = 22/7 mm is from St. 199. Bay of Bengal (off east coast Sri Lanka), 8° 40' N 81° 27' 35'' 1165-1463 m (637-800 fms.), and another with R/r = 20/7 mm is from St. 274. Lakshadweep Sea, 10° 33' N 74° 45' 15'' E, 2103-2140 m (1150-1170 fms.) as per the Registers. Thus the localities are Off Kerala, Tamil Nadu, and Sri Lanka.

Family PORCELLANASTERIDÆ

25a. *Abyssaster tara* (Wood-Mason and Alcock)

1891. *Hyphalaster tara* Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)VII : 434. *Investigator* St. 110. Bay of Bengal, 9° 34' N 85° 43' 15'' E, 3652 m (1997 fms.); St. 117. Bay of Bengal, 11° 58' N 88° 52' 17'' E, 3197 m (1748 fms.).
1893. *Hyphalaster tara* : Alcock. A. *Ann. Mag. nat. Hist.*, (6)XI : 86. Bay of Bengal, 3197 m (1748 fms.) and 3652 m (1997 fms.).

1961. *Abyssaster tara* : Madsen, F.J. *Galathea Rep.*, **4** : 73. Western Atlantic.
1989. *Abyssaster tara* : Clark, A.M. *Echinoderm Studies*, **3** : 296. Bay of Bengal, western Indian Ocean. North Pacific between Kurile Is and Alaska, 3195-6280 m.
2005. *Abyssaster tara* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 20. West of South Andaman Island. The location of R.I.M.S. Investigator Station 117. 11° 58' N 88° 52' 17'' E is far west of South Andamans, but may fall within the Exclusive Economic Zone around Andaman & Nicobar group of Islands or close to it.

26. *Porcellanaster caulifer* Sladen

1883. *Porcellanaster caulifer* Sladen, W.P. *Jl. Linn. Soc. Zool.*, **17** : 222.
1889. *Porcellanaster caulifer* : Sladen, W.P. *Rep. scient. Results. Voy. Challenger Zool.*, **XXX** : 138. Bay of Bengal.
1909. *Porcellanaster caulifer* : Koehler, R. *Echinoderma of the Indian Museum*, Part **V** : 33. West of Middle Andamans : Investigator St. 111. 12° 50' N 90° 52' E, 3007 m (1644 fms.); Persian Gulf : Investigator St. 299. 23° 43' N 58° 51' 30'' E, 2376 m (1299 fms.); Persian Gulf: Investigator St. 300. 24° 16' N 60° 26' E, 2515-2131 m (1375-1165 fms.); S of Sri Lanka: Investigator St. 316. 5° 43' 30'' N 80° 05' 30'' E, 2743 m (1500 fms.).
1989. *Porcellanaster caulifer* : Clark, A.M. *Echinoderm Studies*, **3** : 300. A synonym of *P. ceruleus* Wyville Thomson, 1877 according to Madsen, 1961 [*vide infra*].
1989. *Porcellanaster ceruleus* : Clark, A.M. *Echinoderm Studies*, **3** : 300. Only part, since *caulifer* has been revived from the synonymy.
1996. *Porcellanaster caulifer* : Belyaev, G.M. and Mironov, A.N. *Zool. Zh.*, **75** : 887.
2001. *Porcellanaster caulifer* : Clark, A.M. and Mah, C. *Echinoderm Studies*, **6** : 333. Revived from synonymy of *P. ceruleus* by Belyaev, G.M. and Mironov, A.N. **1996** : 887.
2005. *Porcellanaster caulifer* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 20. Andaman Islands. Recently Belyaev, G.M. and Mironov, A.N. (1996) revived the species from the synonymy of *P. ceruleus*.

27. *Porcellanaster ceruleus* Wyville Thomson

1877. *Porcellanaster coeruleus* Wyville Thomson, *Voy. Chall. Atlantic*, **I** : 378.
1891. *Porcellanaster coeruleus* : Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)**VII** : 433. Andamans : Investigator St. 113. West of Middle Andamans, 12° 59' N 93° 23' 10'' E, 1249 m (683 fms.).
1891. *Porcellanaster* sp. prox. *coeruleus* : Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)**VII** : 434. Andamans: Investigator St. 111. West of Middle Andamans, 12° 50' N 90° 52' E, 3043 m (1664 fms.); Investigator St. 117. Bay of Bengal. 11° 58' N 88° 52' 17'' E, 3197 m (1748 fms.).
1893. *Porcellanaster coeruleus* : Alcock, A. *Ann. Mag. nat. Hist.*, (6)**XI** : 86. Andaman Sea, 1249 m (683 fms.); Lakshadweep Sea, 1350 m (738 fms.); Bay of Bengal, 3043-3197 m (1664-1748 fms.).
1909. *Caulaster dubius* Koehler, R. *Echinoderma of the Indian Museum*, Part **V** : 34. Investigator St. 117. Bay of Bengal, 11° 58' N 88° 52' 17'' E, 3197 m (1748 fms.).

1951. *Porcellanaster caeruleus* : Madsen, F.J. *Rep. Sweedish deep-sea Exped. II (Zoology) no.* **6** : 74.
1989. *Caulaster dubius* Koehler : Clark, A.M. *Echinoderm Studies*, **3** : 297. A synonym of *Porcellanaster ceruleus* Wyville Thomson (1877) according to Madsen (1961).
1989. *Porcellanaster cæruleus* : Sladen : Clark, A.M. *Echinoderm Studies*, **3** : 300. An unjustified emended spelling and = *Porcellanaster ceruleus* Wyville Thomson.
1989. *Porcellanaster ceruleus* : Clark, A.M. *Echinoderm Studies*, **3** : 300. The spelling *ceruleus* of Wyville Thomson seems to me valid and Sladen's emended *cæruleus* (1889) unjustified, leading, as it has, to the further alternatives *caeruleus* and *coeruleus*. E of Delaware, USA, cosmopolitan, 1160-6040m.
1996. *Porcellanaster ceruleus* : Belyaev, G.M. and Mironov, A.N. *Zool. Zh.*, **75** : 887. Restricted the synonymy.
2001. *Porcellanaster ceruleus* : Clark, A.M. and Mah, C. *Echinoderm Studies*, **6** : 333. Belyaev, G.M. and Mironov, A.N. (1996) revived *Porcellanaster caulifer*, *P. granulosus*, and *P. tuberosus* from synonymy of *P. ceruleus* and restricted the synonymy.
2005. *Porcellanaster ceruleus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.* **233** : 20. Andaman Islands.

28. *Sidonaster vaneyi* Koehler

1909. *Sidonaster vaneyi* Koehler, R. *Echinoderma of the Indian Museum, Part V* : 37. *Investigator* St. 290. Gulf of Oman, 24° 53' N 58 34' E, 1341-1523 m (733-833 fms.).
1909. *Sidonaster batheri* Koehler, R. *Echinoderma of the Indian Museum, Part V* : 40. *Investigator* St. 192. Goa : 15° 11' N, 72° 22' 45'' E, 1668-1703 m (912-931 fms.); Karnataka: *Investigator* St. 194. 13° 47' N 72° 03' 45'' E. 1629 m (891 fms.); Off Karnataka. 14° 22' N 74° 21' 23'' E, 2070 m (1132 fms.); Andaman and Nicobar Islands.
1983. *Sidonaster batheri* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.* **34** : 89. Andaman Sea, 1224-2516 m.
1989. *Sidonaster vaneyi* : Clark, A.M. *Echinoderm Studies*, **3** : 302. Gulf of Oman, off East Africa to the Philippines, 1150-2130 m.
2005. *Sidonaster vaneyi* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.* **233** : 21. Andaman and Nicobar Islands.

28a. *Stryracaster armatus* Sladen

1883. *Stryracaster armatus* Sladen, W.P. *Jl. Linn. Soc. Zool.*, **17** : 232.
1893. *Stryracaster armatus* : Alcock, A. *Ann. Mag. nat. Hist.*, (6)**XI** : 86. Bay of Bengal, 3365 m (1840 fms.) and 3519 m (1924 fms.)
1989. *Stryracaster armatus* : Clark, A.M. *Echinoderm Studies*, **3** : 302. Caroline Islands, Indian Ocean W of Sri Lanka and the Bay of Bengal, off the Azores and Cape Verde Islands, Atlantic (also unpublished records from the Canary Basin and Porcupine Seabight, SW of Ireland, identified by A.M.C.), 3000-4350 m.
2001. *Stryracaster armatus* : Clark, A.M. and Mah, C. *Echinoderm Studies*, **6** : 333. Belyaev, G.M. and Moskalev, A.N. (1986 : 875) extended range to the Arabian Sea, and the central Pacific, S from Hawaii and depth down to 5420 m.

29. *Styracaster caroli* Ludwig

1907. *Styracaster caroli* Ludwig, H. Zool. Anz., **XXXI** : 315. East of Zanzibar, 1959 m.
1891. *Styracaster horridus* : Wood-Mason, J. and Alcock, A. Ann. Mag. nat. Hist., (6)**VII** : 434. [non : Sladen]. Investigator St. 117. Bay of Bengal, 11° 58' N 88° 52' 17'' E, 3197 m (1748 fms.); Investigator St. 118. Bay of Bengal, 12° 20' N 85° 08' E, 3297 m (1803 fms.).
1893. *Styracaster horridus* : Alcock, A. Ann. Mag. nat. Hist., (6)**XI** : 86. Bay of Bengal, 3197 m (1748 fms.) and 3297 m (1803 fms.).
1909. *Styracaster caroli* : Koehler, R. Echinoderma of the Indian Museum, Part V : 43. Investigator St. 117. 11° 58' N 88° 52' 17'' E, 3197 m (1748 fms.); Investigator St. 118. 12° 20' N 85° 08' E, 3297 m (1803 fms.); West of Great Nicobar Island, 6° 18' N 90° 40' E, 2780 m (1520 fms.).
1989. *Styracaster caroli* : Clark, A.M. Echinoderm Studies, **3** : 302. Off Zanzibar, E Africa, E to Bay of Bengal, 2600-4820 m.
2005. *Styracaster caroli* : Sastry, D.R.K. Rec. zool. Surv. India, Occ. Paper No., **233** : 21. West of South Andaman Island. The R.I.M.S. Investigator Station 117. 11° 58' N 88° 52' 17'' E is in the Bay of Bengal, far west of South Andamans, but may fall within or close to the Exclusive Economic Zone around Andaman & Nicobar group of Islands.

29a. *Styracaster clavipes* Wood-Mason and Alcock

1891. *Styracaster clavipes* Wood-Mason, J. and Alcock, A. Ann. Mag. nat. Hist., (6)**VII** : 434. Investigator St. 117. Bay of Bengal, 11° 58' N 88° 52' 17'' E, 3197 m (1748 fms.).
1893. *Styracaster clavipes* : Alcock, A. Ann. Mag. nat. Hist., (6)**XI** : 86. Bay of Bengal, 3197 m (1748 fms.).
1989. *Styracaster clavipes* : Clark, A.M. Echinoderm Studies, **3** : 302. 'May prove to be identical' with *Styracaster armatus* Sladen (1883) according to Madsen (1961). Bay of Bengal, 3200 m.
2005. *Styracaster clavipes* : Sastry, D.R.K. Rec. zool. Surv. India, Occ. Paper No., **233** : 21. West of South Andaman Island. The R.I.M.S. Investigator Station 117. 11° 58' N 88° 52' 17'' E is in the Bay of Bengal, far west of South Andamans, but may fall within the Exclusive Economic Zone around Andaman & Nicobar group of Islands.

Family GONIOPECTINIDAE

30. *Goniopecten* sp.

1995. *Goniopecten* sp. Sastry, D.R.K. Estuarine Ecosystem Series, Part 2 : Hugli Matla Estuary, p. 332. West Bengal : Mouth of Hugli River (Sandheads).
1998. *Goniopecten* sp. Sastry, D.R.K. State Fauna Series 3 : Fauna of West Bengal, p. 472. West Bengal : Mouth of Hugli River (Sandheads).

Order NOTOMYOTIDA
Family BENTHOPECTINIDAE

31. *Benthopecten huddlestoni* (Alcock)

1893. *Pararchaster huddlestoni* Alcock. A. Ann. Mag. nat. Hist., (6)XI : 76. West Bengal : Bay of Bengal, Carpenter's Ridge, 2780 m (1520 fms.).
1989. *Benthopecten huddlestoni* : Clark, A.M. *Echinoderm Studies*, 3 : 309. Referred to *Benthopecten* by synonymy of *Pararchaster*. Bay of Bengal, 2780 m.

32. *Benthopecten indicus* (Koehler)

1909. *Pararchaster indicus* Koehler. R. *Echinoderma of the Indian Museum*, Part V : 15. Investigator St. 267. Gulf of Mannar, West of Sri Lanka, 7° 02' 30'' N 79° 36' E, 836-1077 m (457-589 fms.). Included because of closeness to Indian border off Tamil Nadu coast.
1989. *Benthopecten indicus* : Clark, A.M. *Echinoderm Studies*, 3 : 309. Referred to *Benthopecten* by synonymy of *Pararchaster*. S of Sri Lanka, 834-1075 m.

33. *Benthopecten semisquamatus* (Sladen)

1889. *Pararchaster semisquamatus* Sladen, W.P. *Rep. scient. Results. Voy. Challenger, Zool.*, 30 : 7.
1891. *Pararchaster semisquamatus* : Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)VIII : 428. Investigator St. 111. W of Middle Andamans, 12° 50' N 90° 52' E, 3043 m (1664 fms.).
1893. *Pararchaster semisquamatus* : Alcock. A. *Ann. Mag. nat. Hist.*, (6)XI : 75. Investigator St. 111. W of Middle Andamans, 12° 50' N 90° 52' E, 3043 m (1664 fms.).
1951. *Benthopecten semisquamatus* : Madsen, F.J. *Rep. Swedish deep-sea Exped. II (Zoology) no.*, 6 : 87.
1989. *Benthopecten semisquamatus* : Clark, A.M. *Echinoderm Studies*, 3 : 310. Japan, 1030-3430 m.
2005. *Benthopecten semisquamatus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 22. Andaman Islands. While Madsen (1951) confirms the identity, A.M. Clark (1989) does not refer to the distribution.

34. *Benthopecten violaceus* (Alcock)

1893. *Pararchaster violaceus* Alcock. A. *Ann. Mag. nat. Hist.*, (6)XI : 77. Lakshadweep Sea, 2195 m (1200 fms.).
1989. *Benthopecten violaceus* : Clark, A.M. *Echinoderm Studies*, 3 : 311. Lakshadweep Sea, 2190 m.

35. *Cheiraster (Cheiraster) pilosus* (Alcock)

1893. *Pontaster pilosus* Alcock, A. *Ann. Mag. nat. Hist.*, (6)XI : 79. Tamil Nadu : Gulf of Mannar, Tamil Nadu, 1092 m (597 fms.).
1909. *Pontaster pilosus* : Koehler, R. *Echinoderma of the Indian Museum*, Part V : 13. Lakshadweep : Investigator St. 150. Lakshadweep Sea, SW of Kerala, 7° 05' 45'' N 75° 04' E, 1315 m (719 fms.).

1989. *Cheiraster (Cheiraster) pilosus* : Clark, A.M. *Echinoderm Studies*, 3 : 313. Off S India, Philippines, 750-1310 m.

36. *Cheiraster (Cheiraster) snyderi* Fisher

1906. *Cheiraster snyderi* Fisher, W.K. *The starfishes of the Hawaiian Islands*, Part 3 : 1040.
1909. *Cheiraster snyderi* : Koehler, R. *Echinoderma of the Indian Museum*, Part V : 14. Nicobars : Investigator St. 255. West of Car Nicobar, 9° 26' 30'' N 91° 56' 30'' E, 1589-1670 m (869-913 fms.).
1989. *Cheiraster (Cheiraster) snyderi* : A.M. Clark. *Echinoderm Studies*, 3 : 314. Hawaiian Islands, Nicobar Islands; 420-1670 m.
2005. *Cheiraster (Cheiraster) snyderi* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 22. Nicobar Islands.

37. *Cheiraster cribellum* (Alcock) Subgenus uncertain

1893. *Pontaster cribellum* Alcock. A. Ann. Mag. nat. Hist., (6)XI : 78. Lakshadweep Sea, 2195 m (1200 fms.).
1989. *Cheiraster cribellum* : Clark, A.M. *Echinoderm Studies*, 3 : 312. Subgenus uncertain. Lakshadweep Sea, 2195 m.

38. *Pectinaster mimicus* (Sladen)

1889. *Pontaster mimicus* Sladen, W.P. *Rep. scient. Results. Voy. Challenger Zool.*, 30 : 48.
1891. *Pontaster hispidus* Wood-Mason, J. and Alcock, A. Ann. Mag. nat. Hist., (6)8 : 428. Kerala : Investigator St. 106. Lakshadweep Sea, 9° 53' 34'' N 75° 16' 30'' E, 1995 m (1091 fms.); Kerala : Investigator St. 108. Lakshadweep Sea, 7° 04' N 76° 34' 15'' E, 1907 m (1043 fms.).
1893. *Pontaster mimicus* : Alcock, A. Ann. Mag. nat. Hist., (6)XI : 78. Lakshadweep Sea, 1829 m (1000 fms.)
1893. *Pontaster hispidus* : Alcock, A. Ann. Mag. nat. Hist., (6)XI : 79. Lakshadweep Sea, 1829 m (1000 fms.).
1909. *Pectinaster hispidus* : Koehler, R. *Echinoderma of the Indian Museum*, Part V : 12. Kerala : Investigator Sta. 108. SW of Kerala, 7° 04' N 76° 34' 15'' E, 1907 m (1043 fms.); Investigator St. 249. SW of Kerala, 7° N 76° 36' 15'' E, 1869 m (1022 fms.); Tamil Nadu (Pondicherry coast) : Investigator St. 264. Off Karaikal, 10° 50' 30'' N 80° 41' 30'' E, 1794-1646 m (981-900 fms.); Kerala : Investigator St. 320. Lakshadweep Sea, 7° 23' N 75° 44' E, 1926 m (1053 fms.).
1989. *Pectinaster mimicus* : Clark, A.M. *Echinoderm Studies*, 3 : 321. With synonym *Pontaster hispidus* Wood-Mason, J. and Alcock, A. *Pectinaster mimicus* s.s. (Sladen), East Indies, Arabian and Lakshadweep Seas, W of New Zealand, 690-2470 m; *Pectinaster mimicus hyalacanthus* Fisher, Philippines to Moluccas, 700-800 m; *Pectinaster mimicus malayanus* Döderlein, East Indies, 1020-1915 m; and *Pectinaster mimicus palawanensis* Fisher, Philippine Islands, 1330 m.

Order VALVATIDA
Family CHAETASTERIDAE

39. *Chaetaster vestitus* Koehler

1910. *Chaetaster vestitus* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 136. Andaman Islands.
1894. *Chaetaster moorei* Bell, F.J. *Proc. zool. Soc. Lond.*, 1894 : 404.
1971. *Chaetaster vestitus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 38-39 (distribution), 65 (key).
1983. *Chaetaster vestitus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 89. Andaman Island.
1993. *Chaetaster moorei* : Clark, A.M. *Echinoderm Studies*, 4 : 189. Macclesfield Bank, S China Sea, New Caledonia, 22-73 m.
1993. *Chaetaster vestitus* : Clark, A.M. *Echinoderm Studies*, 4 : 190. Andaman Island, Bay of Bengal.
2001. *Chaetaster moorei* Bell : Clark, A.M. and Mah, C. *Echinoderm Studies*, 6 : 334. A synonym of *Chaetaster vestitus* Koehler (1910) according to Rowe in Rowe, F.W.E., and Gates, J. (1995. *Zoological Catalogue of Australia*, p. 56).
2005. *Chaetaster vestitus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 22. Andaman Islands.

39a. *Chaetaster* sp.

1893. *Chaetaster* sp. Alcock, A. *Ann. Mag. nat. Hist.*, (6)XI : 101. Andaman Sea, 435-530 m (238-290 fms.).
2005. *Chaetaster* sp. Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 23. Andaman Islands.

Family ASTERINIDAE
40. *Anseropoda ludovici* (Koehler)

1909. *Palmipes ludovici* Koehler, R. *Resultats des campagnes scientifiques accomplies sur son yacht par Albert I, Prince Souverain de Monaco*. Fasc., XXXIV : 100. Kerala : Malabar Coast.
1993. *Anseropoda ludovici* : Clark, A.M. *Echinoderm Studies*, 4 : 205. S. India, 186 m. New Combination.

41. *Anseropoda pellucida* (Alcock)

1893. *Palmipes pellucidus* Alcock, A. *Ann. Mag. nat. Hist.*, (6)XI : 100. Andaman Sea, 205 m (112 fms.).
1983. *Palmipes pellucidus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 89. Andaman Island, 204 m.
1993. *Anseropoda pellucida* : Clark, A.M. *Echinoderm Studies*, 4 : 206. New combination. Andaman Sea, c. 200 m.
2005. *Anseropoda pellucida* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 23. Andaman Islands.

42. *Asterina burtoni* Gray

1840. *Asterina burtoni* Gray, J.E. *Ann. Mag. nat. Hist.*, **6**(37) : 289.
2005. *Asterina burtoni* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 23. Till recently, *Asterina cepheus* has been considered mostly as a synonym of *Asterina burtoni* or at the most as a non-fissiparous subspecies of *Asterina burtoni* following Clark and Rowe (1971). Recently it has been restored to specific rank by Liao & Clark, 1995 (1996) *The Echinoderms of Southern China*: 130 (Clark, A.M. and Mah, C. 2001 : 335). Hence, the material needs to be reexamined for separation of the two species. But Dr. D.B. James in a recent personal communication opines that *A. cepheus* is a synonym of *A. burtoni*. For the present records of both the species are given under the next species, *A. cepheus*.

43. *Asterina cepheus* (Müller and Troschel)

1842. *Asteriscus cepheus* Müller, J. and Troschel, F.H. *System der Asteriden*, p. 41.
1888. *Asterina cepheus* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384, 387. Tamil Nadu : Gulf of Mannar (Tuticorin).
1888. *Asterina burtoni* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 387. Bay of Bengal.
1895. *Asterina cepheus* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3**(II) : 114. Tamil Nadu : Gulf of Mannar (Pamban).
1910. *Asterina cephea* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 128. Nicobar Islands.
1927. *Asterina burtoni* : Gravely, F.H. *Bull. Madras Govt. Mus n. s. ser. N. H. Sec.*, **I**(1) : 169. Tamil Nadu : Gulf of Mannar (Krusadai Island).
1969. *Asterina burtoni* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 54. Tamil Nadu : Gulf of Mannar (Mandapam).
1971. *Asterina burtoni* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 38-39 (distribution) and 68 (key).
1973. *Asterina coronata* : Jangoux, M. *Ann. Mus. R. Afr. Centr. (8. Sci.: Zool.) No.*, **208** : 38. Inhaca (Mozambique). [non : Martens, 1866 ?= *A. burtoni* Gray, 1840 according to A.M.C. in Clark and Courtman-Stock, 1976 in Clark, A.M., **1993** : 209].
1978. *Asterina burtoni cepheus* : Julka, J.M. and Das, Sumita. *Mitt. Zool. Mus. Berlin*, **54**(2) : 349. Andamans.
1983. *Asterina burtoni* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. South Andamans : Port Blair, intertidal.
1985. *Asterina burtoni* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985. Paper No.*, **54** (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Asterina burtoni* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1991. *Asterina burtoni* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 370. Lakshadweep : Kavaratti, Minicoy.
1993. *Asterina burtoni* : Clark, A.M. *Echinoderm Studies*, **4** : 207. With synonym *Asteriscus wega* Perrier, 1869, also subspecies *cephus* (Müller and Troschel, 1842) and variety *iranica* Mortensen, 1941.

Asterina burtoni s.s. Red Sea, Indian Ocean. also easternmost Mediterranean; var. *iranica* Mortensen from Arabian (Iranian) Gulf.

1993. *Asterina burtoni cepheus* : Clark, A.M. *Echinoderm Studies*, **4** : 208. Java, Indonesia to South China Sea, Wake Id. northern Australia.
1999. *Asteropsis (lapsus) burtoni* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 18. North Andamans : Tree and Chanel Islands.
2001. *Asterina cepheus* : Clark, A.M. and Mah, C. *Echinoderm Studies*, **6** : 335. Liao, Y and Clark, A. M. 1995 (1996), restored *cephus* to specific rank distinct from *burtoni* Gray.
2004. *Asterina burtoni* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat*, Part **2** : 190. Zoological Survey of India, Kolkata. Gujarat: Veraval, Shivrajpuri (Kachchhigadh Light House). Specimens from Veraval are six-unequal armed with 3-5 madreporites and the ones from Shivrajpuri are sandy brown and five-armed with two madreporites.
2005. *Asterina cepheus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 23. Andaman and Nicobar Islands.

44. *Asterina coronata* von Martens

1866. *Asterina coronata* von Martens, E. *Arch. Naturgesch.*, **32** : 73.
1927. *Asterina coronata*: Gravelly, F.H. *Bull. Madras Govt. Mus.*, (Nat. Hist.) **1**(1) : Tamil Nadu : Gulf of Mannar (Krusadai Island).
1971. *Asterina coronata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*. 38-39 (distribution) and 68 (key).
1985. *Asterina coronata* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Asterina coronata* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1993. *Asterina coronata* : Clark, A.M. *Echinoderm Studies*, **4** : 208. With subspecies *cristata* Fisher, 1916, *euerces* Fisher, 1917 and *fascicularis* Fisher, 1918. also forma *japonica* Hayashi, 1940. *Asterina coronata* s.s. Amboina, W to Sri Lanka, N to S China Sea, E to Polynesia and S to northern Australia; forma *japonica* from S Japan; *Asterina coronata cristata* Caroline Islands; *Asterina coronata euerces* Palawan, Philippine Islands; *Asterina coronata fascicularis* Philippine Islads. 'Northern Territory' Australia [non: *Asterina coronata* Jangoux, 1973: 38 ? = *A. burtoni* Gray according to A. M.C. in Clark and Courtman-Stock, 1976].

Material : Andhra Pradesh : Visakhapatnam District (Visakhapatnam, two specimens (R/r = 19/9 and 22/11 mm), shingle zone at Palm Beach, D.R.K. Sastry, 23.2.1995; two specimens (R/r = 20/11 and 24/11 mm), shingle zone at Jalari Peta, D.R.K. Sastry; 26.2.1995).

Description : Arms five, subequal, thick midradially, interr radial arcs sharp. Madreporite single. Abactinal plates crescent shaped, imbricating, up to 50 plates of each arm prominently convex, elevated and each with 10 to 15 stouter and longer spinelets, other abactinal plates flat with 3 to 5 slender and shorter spinelets. Papular pores single, confluent interr radially, in 10 to 12 irregular series because of the prominent abactinal plates, only 5 to 6 radial series

extending to the tip of the arm. Superomarginal plates inconspicuous, with 5 to 10 short spinelets. Inferomarginal plates larger, extend beyond the superomarginal series, with 20 longer spinelets. Actinal intermediates mostly with 3 spines, a few with 4 and rarely 5 or 6 spines, generally in a group or sometimes in a comb. Oral plates with 5 to 6 marginal spines, the proximal the longest, and 4 to 5 suboral spines of which two are larger and prominent. Adambulacrals with 6 spines in the furrow.

Remarks : The specimens are sandy brown in colour. One specimen (R = 24 mm) has one shorter arm of 16 mm and two madreporites. The present specimens are close to *A. coronata cristata* Fisher from Caroline Islands in the number of prominent abactinal plates and their spines, and the number of spines on the actinal plates and furrow spines.

45. *Asterina lorioli* Koehler

1897. *Palmipes sarasini* Loriol, P. de (part). *Mem. Soc. Phys. Hist. nat. Geneve*, **32**(2) : 12.
1910. *Asterina lorioli* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 129.
1962. *Asterina lorioli* : Sane, S.R. and Chhapgar, B.F. *J. Bombay nat. Hist. Soc.*, **59**(2) : 673. Maharashtra : Bombay.
1969. *Asterina lorioli* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 54. Tamil Nadu : Gulf of Mannar (Mandapam).
1971. *Asterina lorioli* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 38-39 (distribution), 67 (key).
1985. *Asterina lorioli* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Asterina lorioli* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1993. *Asterina lorioli* : Clark, A.M. *Echinoderm Studies*, **4** : 211. Karachi, Pakistan; S India.
2004. *Asterina lorioli* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat*. Part 2 : 191. Zoological Survey of India, Kolkata. Gujarat: Veraval, Shivrajpur (Kachchhigadh Light House), Gulf of Kachchh (Okha, Sikka, Pirotan Island). Generally dirty green when collected while a few are brownish red with dirty green patches at arm tips.

Material : Andhra Pradesh : Srikakulam District (rocky shore at Bandaruvani Peta, D.R.K. Sastry; 15.2.1995, one specimen, R/r = 15/11 mm; rocky shore at Bandaruvani Peta, D.R.K. Sastry, 17.2.1995, five specimens, R/r = 15/10; 18/11; 19/13; 21/14; 26/14 mm; Visakhapatnam District (Visakhapatnam: boulder zone at Palm Beach, D.R.K. Sastry, 22.2.1995, 13 specimens, R/r = 15/9 to 25/14 mm; shingle zone at Palm Beach, D.R.K. Sastry, 23.2.1995, 18 specimens, R/r = 7/5 to 21/12 mm; rocky shore at Kailasa Hill, D.R.K. Sastry, 24.2.1995, seven specimens, R/r = 11/7 to 18/11 mm; shingle zone at Jalari Peta, D.R.K. Sastry, 26.2.1995, 15 specimens, R/r = 9/6 to 25/14 mm; Yarada : rocky shore, D.R.K. Sastry, 28.2.1995, eight specimens, R/r = 14/9 to 20/13 mm; Pudimadaka (23 km east of Anakapalle): rocky shore, D.R.K. Sastry, 4.3.1995, two specimens, R/r = 18/11 and 20/13 mm).

Remarks : The specimens vary in colour. They are mostly dirty olive green or rusty red. There are two tetramerous specimens, one with two madreporites; the other with one madreporite, actinal and abactinal plates irregular indicating probable resorption or repair after complete damage of the arm. A few are dirty green with rusty red patches. Variations in the series from Andhra Pradesh are as follows:

Date	R/r mm	Variations
23 Feb 1995	14/9	Two shorter arms (R = 9 and 6 mm); two madreporites, one on either side of one the shorter arms.
	16/10	Hexamerous with six complete ambulacra and six oral plates.
24 Feb 1995	17/11	Madreporite is trilobed.
26 Feb 1995	9/6	Partially hexamerous; one arm is cleft near the tip and the corresponding oral plate as well as its opposite plate slightly displaced.

46. *Asterina sarasini* (de Loriol)

1897. *Palmipes sarasini* Loriol, P. de (part). *Mem. Soc. Phys. Hist. nat. Geneve*, **32**(2) : 11.
1910. *Palmipes sarasini* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 127. Andaman Islands, Nicobar Islands.
1969. *Anseropoda sarasini* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 54. Tamil Nadu : Gulf of Mannar (Mandapam).
1971. *Asterina sarasini* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 38-39 (distribution), 67 (key).
1983. *Asterina sarasini* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. South Andamans : Port Blair, intertidal.
1985. *Asterina sarasini* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.
1985. *Asterina sarasini* : Jangoux, M. *Catalogue commenté des types d' Échinodermes actuels conservés dans les collections nationales, suivi d'une notice sur la contribution de Louis Agassiz à la connaissance des échinodermes actuels*. p. 31. Lectotype designated.
1988. *Asterina sarasini* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1993. *Asterina sarasini* : Clark, A.M. *Echinoderm Studies*, **4** : 213. Sri Lanka, Andaman and Nicobar Is.
1997. *Asterina sarasini* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **13**(1 & 2) : 50. South Andamans : MGMNP (Pongibalu). Pink colour in life.
2001. *Asterina sarasini* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 161. South Andamans : Ritchie's Archipelago (Neil Island; RJMNP Outram Island).

* RJMNP Rani Jhansi Marine National Park

2005. *Asterina sarasini* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 24. Andaman and Nicobar Islands.

47. *Disasterina leptalacantha* (H.L. Clark)

1916. *Asterina leptalacantha* Clark, H.L. *Endeavour Sci. Res.*, **4** : 57.
1933. *Disasterina leptacantha* (sic!) : Livingstone, A.A. *Rec. Austr. Mus.*, **19**(1) : 8.
1971. *Asterina leptalacantha* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 38-39 (distribution) and 67 (key).
1991. *Asterina leptalacantha* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 370. Lakshadweep : Agatti.
1993. *Disasterina leptalacantha* : Clark, A.M. *Echinoderm Studies*, **4** : 219. *Disasterina leptalacantha s.s.* Queensland: subspecies *africana* Mortensen (1933 : 259 as a variety), Port Elizabeth to S Natal, South Africa, 0-366 m. *leptacantha* : Livingstone, **1933** : 8, *lapsus* for *leptalacantha*.

48. *Disasterina spinosa* Koehler

1910. *Disasterina spinosa* Koehler, R. *Echinoderma of the Indian Museum.*, Part **VI** : 131. South Andamans : Port Blair.
1971. *Disasterina spinosa* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 38-39 (distribution), 67 (key).
1983. *Disasterina spinosa* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. South Andamans : Port Blair.
1993. *Disasterina spinosa* : Clark, A.M. *Echinoderm Studies*, **4** : 219. Andaman Islands, Bay of Bengal.
2005. *Disasterina spinosa* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 24. South Andaman Islands.

49. *Disasterina spinulifera* Clark, H.L.

1938. *Disasterina spinulifera* Clark, H.L. *Mem. Mus. comp. Zool. Harv.*, **55** : 156. NW Australia.
1971. *Disasterina spinulifera* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 38-39 (distribution) and 67 (key).
1978. *Disasterina spinulifera* : Julka, J.M. and Sumita Das, *Mitt. Zool. Mus. Berlin*, **54**(2) : 349. South Andamans : Macpherson Strait near Chidyatapu.
1993. *Disasterina spinulifera* : Clark, A.M. *Echinoderm Studies*, **4** : 219. NW Australia, Andaman Is.
2005. *Disasterina spinulifera* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 25. South Andaman Islands.

50. *Paranepanthia brachiata* (Koehler)

1910. *Nepanthia brachiata* Koehler, R. *Echinoderma of the Indian Museum*, Part **VI** : 133. Andaman Islands.

1983. *Nepanthia brachiata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andaman Island.
1993. *Paranepanthia brachiata* : Clark, A.M. *Echinoderm Studies*, **4** : 222. Andaman Is. SE Arabia. 38-200 m.
2005. *Paranepanthia brachiata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 25. Andaman Islands.

51. *Patiriella pseudoexigua* Dartnall

1910. *Asterina exigua* : Koehler, R. *Echinoderma of the Indian Museum, Part VI* : 129. Andaman Islands. Nicobar Islands. [non : *Asterias exigua* Lamarck, *Hist. nat. anim. s. vert.*, **2** : 554].
1971. *Patiriella exigua* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 38-39 (distribution), 67 (key).
1971. *Patiriella pseudoexigua* Dartnall, A.J. *Proc. Linn. Soc., N.S.W.* **96** : 43. New species described for the tropical individuals with gonoducts oriented abactinally and the gonopores on the abactinal surface hitherto referred to *exigua* to distinguish from the ones belonging to true *exigua* with actinally directed gonopores along east coast of Australia south of 28° S to Port Loincoln on South coast (136° E extending southward to Tasmania, eastward to Lord Howe Island (159° E), also South Africa and isolated islands of St. Paul and New Amsterdam.
1978. *Patiriella exigua* : Julka, J.M. and Das, Sumita. *Mitt. Zool. Mus. Berlin*, **54**(2) : 349. South Andamans : Port Blair, Chatham, Rangachang, Chidyatapu; Middle Andamans : Mayabunder.
1983. *Asterina exigua* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. South Andaman : Port Blair, intertidal.
1989. *Patiriella pseudoexigua* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **43** : 106. Lakshadweep : Agatti.
1991. *Patiriella pseudoexigua* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. **394**. Lakshadweep : Agatti.
1993. *Patiriella pseudoexigua pseudoexigua* : Clark, A.M. *Echinoderm Studies*, **4** : 226. *Patiriella exigua* [tropical records] = *Patiriella pseudoexigua* Dartnall; p. 217. *Asteriscus pentagonus* Müller & Troschel, 1842 : 42 a synonym of *Asterina* (i.e. *Patiriella*) *exigua* (Lamarck) according to Sladen (1889) and Jangoux & de Ridder (1987) who found types still extant. However, type locality Java indicates synonymy with *Patiriella pseudoexigua* Dartnall, which would therefore need action by the ICZN to remain valid. *Patiriella pseudoexigua* s.s. Queensland, Solomon Is to Caroline and Ryu Kyu Is, S Japan; *Patiriella pseudoexigua pacifica* (Hyashi, 1977 : 89 as *Asterina pacifica*) new combination, Japan Sea.
2005. *Patiriella pseudoexigua* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 25. Andaman Islands.

52. *Tegulaster ceylanica* (Döderlein)

1888. *Disasterina ceylanicus* Döderlein, L. *Zool. Jb.*, **3** : 825.
1971. *Tegulaster ceylanicus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 38-39 (distribution) and 67 (key).
1983. *Tegulaster ceylanica* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andamans : Port Blair, intertidal.

1985. *Tegulaster ceylanica* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Tegulaster ceylanica* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1991. *Tegulaster ceylanicus* : Sastry, D.R.K. *State Fauna Series - Fauna of Lakshadweep*, p. 371. Lakshadweep : Agatti.
1993. *Tegulaster ceylanica* : Clark, A.M. *Echinoderm Studies*, **4** : 228. Sri Lanka; Lakshadweep.
2005. *Tegulaster ceylanica* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 26. Andaman Islands.

53. *Tegulaster emburyi* Livingstone

1933. *Tegulaster emburyi* Livingstone, *Rec. Austr. Mus.*, **19** : 12.
1971. *Tegulaster emburyi* : Clark, A.M. and Rowe, F.W.I. *Monograph of shallow-water Indo-West Pacific echinoderms*, 38-39 (distribution), 67 (key).
1993. *Tegulaster emburyi* : Clark, A.M. *Echinoderm Studies*, **4** : 228. Australia : Queensland.
2005. *Tegulaster emburyi* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 26. Nicobar Islands.

Family ARCHASTERIDAE

54. *Archaster angulatus* Müller and Troschel

1842. *Archaster angulatus* Müller, J. and Troschel, F.H. *System der Asteriden*, p. 66.
1910. *Archaster typicus* (part) : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 9. Pl. I figs 1-2 only, according to Sukarno and Jangoux, 1977. Andamans.
1977. *Archaster angulatus* : Sukarno and Jangoux, M. *Rev. Zool. afr.*, **91**(4) : 830.
1993. *Archaster angulatus* : Clark, A.M. *Echinoderm Studies*, **4** : 238. 'Java; Isle de France' but probably Western Australia according to Sukarno & Jangoux (1977). Philippine Is, South China Sea, East Africa S to Mozambique, 0-90 m.
2005. *Archaster angulatus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 26. Andaman Islands.

55. *Archaster typicus* Müller and Troschel

1840. *Archaster typicus* Müller, J. and Troschel, F.H. *Mber. preuss. Akad. Wiss.*, **1840** : 104.
1840. *Archaster typicus* Müller, J. and Troschel, F.H. *Arch. Naturgesch.*, **6** : 323.
1887. *Archaster typicus* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140. Andamans.
1859. *Archaster nicobaricus* Behn in Möbius, K. *Abh. Geb. Naturv. Hamburg*, **4**(2) : 13.
1910. *Archaster typicus* (part) : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 9. Andaman Islands; without locality, 48 m (26 ½ fms.). The specimen of Pl. I figs 1-2, might belong to *Archaster angulatus* Müller and Troschel, according to Sukarno and Jangoux, **1977** : 830.

1969. *Archaster typicus* : James, *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 52. South Andamans : Port Blair; Middle Andamans : Mayabunder; Nicobars : Car Nicobar.
1971. *Archaster typicus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*. 30-31 (distribution), 47 (key).
1977. *Archaster typicus* : Sukarno and Jangoux, M. *Rev. Zool. afr.*, **91**(4) : 822, 834. [non : *Archaster typicus* : A.M. Clark and Davies, P.S. 1966. *Ann. Mag. Nat. Hist.*, (1965) **8** : 598 (Maldives), = *A. lorioli* according to Sukarno and Jangoux, 1977 : 834, according to Sukarno and Jangoux, 1977]. South Andamans : Port Blair; Nicobars; Mergui; East Indies; Philippines; Australia; New Caledonia; Carolines; Salomon; Samoa; Tonga; *etc.*
1978. *Archaster typicus* : Julka, J.M. and Das, Sumita. *Mitt. Zool. Mus. Berlin*, **54**(2) : 345. North Andamans : Diglipur (Aerial Bay); Middle Andamans : Mayabunder; South Andamans : Chidyatapu, Ritchie's Archipelago (Havelock); Nicobars : Nancowry.
1983. *Archaster typicus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andaman Island, littoral.
1993. *Archaster typicus* : Clark, A.M. *Echinoderm Studies*, **4** : 240. [non : *Archaster typicus* : A.M. Clark and Davies, P.S. 1966. *Ann. Mag. Nat. Hist.*, (1965) **8** : 598 (Maldives), = *A. lorioli* Sukarno and Jangoux, **1977** : 834 according to Sukarno and Jangoux, 1977. Celebes, W to Andaman Is, N to Ryu Kyu Is, E to Polynesia, S to northern Australia.
1999. *Archaster typicus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 18. North Andamans : Ross Island.
2001. *Archaster typicus* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 157 and 166. South Andamans : Ritchie's Archipelago (Havelock).
2004. *Archaster typicus* : Sastry, D.R.K. *Rec. zool. Surv. India*, **103**(1 & 2) : 60. Nicobars : Great Nicobar Island (Pigeon island, Chingen).
2005. *Archaster typicus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 26. Andaman and Nicobar Islands.

Family GONIASTERIDAE

56. *Anthenoides sarissa* Alcock

1893. *Anthenoides sarissa* Alcock. *A. Ann. Mag. nat. Hist.*, (6)**XI** : 99. Andaman Sea, 238-457 m (130-250 fms.).
1983. *Anthenoides sarissa* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andaman Island, 237-457 m.
1993. *Anthenoides sarissa* : Clark, A.M. *Echinoderm Studies*, **4** : 242. Andaman Is, 230-456 m.
2005. *Anthenoides sarissa* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 27. Andaman Islands

57. *Astroceramus fisheri* Koehler

1909. *Astroceramus fisheri* Koehler. *R. Echinoderma of the Indian Museum, Part V* : 79. Kerala : Investigator St. 248. SW of Thiruvananthapuram, 8° 37' N 75° 37' 30'' E, 410-519 m (224-284 fms.).

1983. *Astroceramus fisheri* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andaman Sea, 409-519 m.
1993. *Astroceramus fisheri* : Clark, A.M. *Echinoderm Studies*, **4** : 243. S India, East Indies, 409-519 m.
2005. *Astroceramis fisheri* (sic!) : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 27. Koehler (1909) reported the species from *Investigator* Station 248 and Clark, A.M. (1993) cited only this Indian record from southwest of Thiruvananthapuram (Kerala) as S India. The source of James (1983), mentioned as from Andamans could not be located (probably *lapsus* for Lakshadweep Sea, because the depth agrees with that of *Investigator* St. 248).

58. *Calliaster childreni* Gray

1840. *Calliaster childreni* Gray, J.E. : *Ann. Mag. nat. Hist.*, **6**(37) : 280.
1971. *Calliaster childreni* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 30-31 (distribution), 40 (key).
1993. *Calliaster childreni* : Clark, A.M. *Echinoderm Studies*, **4** : 246. 'Japan' (Gray, 1866), S. China.
2004. *Calliaster childreni* : James, D.B. *Fishingchymes*, **24**(6) : 60. North Andamans : Off Stewart Island, 37 m.
2005. *Calliaster childreni* (sic!) : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 207. Andaman Islands.

59. *Calliaster mamillifer* Alcock

1894. *Calliaster mamillifer* Alcock, A. *J. asiat. Soc. Bengal*, **62** (Part II, no. 4) : 172. Andaman Sea, 494-448 m (270-245 fms.).
1983. *Calliaster mamillifer* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andaman Island, 448-493 m.
1993. *Calliaster mamillifer* : Clark, A.M. *Echinoderm Studies*, **4** : 246. Andaman Sea, Bay of Bengal, 448-494 m.
2005. *Calliaster mamillifer* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 28. Andaman Islands.

60. *Ceramaster cueneti* (Koehler)

1909. *Pentagonaster (Tosia) cueneti* Koehler, R. *Echinoderma of the Indian Museum, Part V* : 68. Kerala : *Investigator* St. 276. S of Thiruvananthapuram, 7° 11' N 76° 35' 30'' E, 1840 m (1006 fms.).
1993. *Ceramaster cueneti* : Clark, A.M. *Echinoderm Studies*, **4** : 248. Off Sri Lanka, 1840 m [probably *lapsus*, *vide supra*].

61. *Ceramaster mortenseni* (Koehler)

1909. *Pentagonaster (Philonaster) mortenseni* Koehler, R. *Echinoderma of the Indian Museum, Part V* : 74. *Investigator* St. 310. Off Middle Andamans, 13° 29' 30'' N 95° 29' E, 1756 m (960 fms.).

1993. *Ceramaster mortenseni* : Clark, A.M. *Echinoderm Studies*, 4 : 249. Bay of Bengal. off Myanmar. 1755 m (probably Andamans, Coco Is of Myanmar are north of approx. 14° N, up to approx. 96 E° is under Andamans. St. 310. falls under Andaman area of India.).
2005. *Ceramaster mortenseni* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 28. Andaman Islands.

62. *Circeaster magdalenae* Koehler

1909. *Circeaster magdalenae* Koehler, R. *Echinoderma of the Indian Museum*, Part V : 88. Goa : *Investigator* St. 192. 15° 11' N 72° 28' 45'' E, 1668-1703 m (912-931 fms.).
1993. *Circeaster magdalenae* : Clark, A.M. *Echinoderm Studies*, 4 : 251. SW of Bombay, India. 1670-1700 m. The location of *Investigator* St. 192. is off Goa, formerly under Bombay Province. Clark refers to the same when mentioned the record as SW of Bombay *i. e.* the then Bombay Province.

63. *Circeaster marcelli* Koehler

1909. *Circeaster marcelli* Koehler, R. *Echinoderma of the Indian Museum*, Part V : 84. Kerala : *Investigator* St. 320. SW of Thiruvananthapuram, 7° 23' N 75° 44' E, 1926 m (1053 fms.).
1993. *Circeaster marcelli* : Clark, A.M. *Echinoderm Studies*, 4 : 251. S of India, 1925 m.

64. *Johannaster superbus* Koehler

1909. *Johannaster superbus* Koehler, R. *Echinoderma of the Indian Museum*, Part V : 8. Goa : *Investigator* Sta. 192. 15° 11' N 72° 28' 45'' E, 1668-1703 m (912-931 fms.).
1993. *Johannaster superbus* : Clark, A.M. *Echinoderm Studies*, 4 : 260. Arabian Sea SW of Bombay, 1670-1700 m. The location of *Investigator* St. 192. is off Goa, formerly under Bombay Province. Clark refers to the same when mentioned the record as SW of Bombay *i. e.* the then Bombay Province.

65. *Lithosoma pentaphylla* (Alcock)

1893. *Dorigona pentaphylla* Alcock. *A. Ann. Mag. nat. Hist.*, (6)XI : 93.
1909. *Iconaster pentaphyllus* : Koehler, R. *Echinoderma of the Indian Museum*, Part V : 64. Andaman Sea, 496 m (271 fms.).
1983. *Iconaster pentaphyllus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 89. Andaman Island, 495 m.
1993. *Lithosoma pentaphylla* : Clark, A.M. *Echinoderm Studies*, 4 : 260. With possible synonym *Lithosoma actinometra* Fisher, 1911. *Lithosoma pentaphylla s. s.* Andaman Sea, 495 m; variety *brevipes* from Timor, Indonesia, 520 m.
2005. *Lithosoma pentaphylla* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 28. Andaman Islands.

66. ?*Mediaster arcuatus* (Sladen)

1889. *Pentagonaster arcuatus* Sladen, W.P. *Rep. scient. Results. Voy. Challenger Zool.*, 30 : 277.

1893. *Pentagonaster arcuatus* : Alcock. A. Ann. Mag. nat. Hist., (6)XI : 89. Andaman Sea, 496 m (271 fms.).
1983. *Pentagonaster arcuatus* : James, D.B. Bull. cent. mar. Fish. Res. Inst. No., 34 : 89. Andaman Island, 495 m.
1993. *Mediaster arcuatus* : Clark, A.M. Echinoderm Studies, 4 : 162. Japan, 630-1023 m.
2005. *Mediaster arcuatus* : Sastry, D.R.K. Rec. zool. Surv. India, Occ. Paper No., 233 : 28. Andaman Islands. While listing *Pentagonaster arcuatus* Sladen as *Mediaster arcuatus* (Sladen), A.M. Clark (1993) did not mention the status of the report of Alcock (1893) from Andamans, under *Mediaster* (p. 262) or *Pentagonaster* (p. 269).

67. *Mitelpipaster woodmasoni* Alcock

1893. *Mitelpipaster woodmasoni* Alcock. A. Ann. Mag. nat. Hist., (6)XI : 91. Andaman Sea 421-530 m (230-290 fms.).
1983. *Mitelpipaster* : James, D.B. Bull. cent. mar. Fish. Res. Inst. No., 34 : 89. Andaman Island.
1993. *Mitelpipaster woodmasoni* : Clark, A.M. Echinoderm Studies, 4 : 264. Andaman Sea, Maldiva area, 229-530 m.
2005. *Mitelpipaster woodmasoni* : Sastry, D.R.K. Rec. zool. Surv. India, Occ. Paper No., 233 : 28. Andaman Islands.

68. *Nymphaster moebii* (Studer)

1884. *Pentagonaster (Dorigona) moebii* Studer, T. Phys. Abh. Akad. wiss. Berl., 1883, 1884 (3) : 35.
1893. *Nymphaster basilicus* : Alcock. A. Ann. Mag. nat. Hist., (6)XI : 95. Lakshadweep, 2505 m (1370 fms.); Tamil Nadu : Gulf of Mannar, Tamil Nadu, 1092 m (597 fms.). [non = Sladen, W.P. 1884 : 308].
1893. *Nymphaster protentus* : Alcock. A. Ann. Mag. nat. Hist., (6)XI : 95. Andaman Sea, 402-457 m (220-250 fms.). [non : Sladen, W.P. 1889 : 303 = *Nymphaster arenatus* (Perrier, 1881) according to Macan (1938) in A.M. Clark (1993 : 266)].
1909. *Dorigona ternalis* : Koehler, R. Echinoderma of the Indian Museum, Part V : 54. Investigator St. 126. Lakshadweep, 08° 49' N 73° 18' 45'' E, 2505 m (1370 fms.); Investigator St. 330. Off Andamans, 12° 49' 30'' N 96° 24' 30'' E, 1267 m (693 fms.); Tamil Nadu : Gulf of Mannar, 1092 m (597 fms.). [non : *Pentagonaster ternalis* Perrier, 1881 : 335].
1909. *Dorigona belli* Koehler, R. Echinoderma of the Indian Museum, Part V : 58. Andaman Islands, 457 m (250 fms.).
1909. *Dorigona ludwigi* Koehler, R. Echinoderma of the Indian Museum, Part V : 61. Lakshadweep : Investigator St. 126. N of Minicoy, 8° 49' N 73° 18' 45'' E, 2505 m (1370 fms.).
1983. *Dorigona belli* : James, D.B. Bull. cent. mar. Fish. Res. Inst. No., 34 : 89. Andaman Island, 457 m.
1993. *Nymphaster moebii* : Clark, A.M. Echinoderm Studies, 4 : 266. With synonyms *Dorigona belli* Koehler, 1909 and *D. ludwigi* Koehler, 1909. p. 252. *Dorigona ternalis* : Koehler, 1909 = *Nymphaster moebii* non : *Dorigona ternalis* (Perrier, 1881). *Nymphaster basilicus* : Alcock, 1893 : 95, non : Sladen, 1889, = *N. moebii* (Studer, 1884) according to Macan, 1938. Zanzibar area to northern Australia, 360-2390 m.

2005. *Nymphaster moebii* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 29. Andaman Islands.

69. *Nymphaster nora* Alcock

1893. *Nymphaster nora* Alcock. *A. Ann. Mag. nat. Hist.*, (6)**XI** : 96. Andaman Sea. 896 m (490 fms.).
 1983. *Dorigona nora* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andaman Island. 1896m.
 1993. *Nymphaster nora* : Clark, A.M. *Echinoderm Studies*, **4** : 266. Andaman Sea. 880 m.
 2005. *Nymphaster nora* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 29. Andaman Islands.

70. *Ogmaster capella* (Müller and Troschel)

1842. *Goniodiscus capella* Müller, J. and Troschel, F.H. *System der Asteriden*, p. 61.
 1910. *Ogmaster capella* : Kochler, R. *Echinoderma of the Indian Museum, Part VI* : 79. Investigator St. 226. Gulf of Martaban, Myanmar, 14° 36' N 96° 23' E. 123 m (67 fms.); Investigator St. 239. Andaman Sea, 11° 49' 30'' N 92° 55' E, 101 m (55 fms.).
 1971. *Ogmaster capella* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 32-33 (distribution), 47 (key).
 1993. *Ogmaster capella* : Clark, A.M. *Echinoderm Studies*, **4** : 267. S China Sea to N Australia, Bay of Bengal and Red Sea, shallow-143 m.
 2005. *Ogmaster capella* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 29. Andaman Islands.

70a. *Paragonaster tenuiradiis* Alcock

1893. *Paragonaster tenuiradiis* Alcock. *A. Ann. Mag. nat. Hist.*, (6)**XI** : 97. Bay of Bengal. 3197 m (1748 fms.).
 1951. *Paragonaster tenuiradiis* : Madsen, F.J. *Rep. Sweedish deep-sea Exped.. II (Zoology) no.*, **6** : 89.
 1989. *Paragonaster tenuiradiis* : Clark, A.M. *Echinoderm Studies*, **3** : 268. Bay of Bengal, 3200 m.

70b. *Pentagonaster arcuatus* Sladen

1893. *Pentagonaster arcuatus* Sladen : Alcock. *A. Ann. Mag. nat. Hist.*, (6)**XI** : 89. Andaman Sea. 496 m (271 fms.) [See *Mediaster arcuatus*]

71. ?*Pentagonaster intermedius* Alcock

1893. *Pentagonaster intermedius* : Alcock. *A. Ann. Mag. nat. Hist.*, (6)**XI** : 90. Lakshadweep : Off Minicoy. 2195 m (1200 fms.).
 1993. *Pentagonaster intermedius* : Alcock : Clark, A.M. *Echinoderm Studies*, **4** : 272. Junior Primary Homonym of *Pentagonaster intermedius* Perrier, 1884 with which it is not conspecific according to Downy, 1973. Identity uncertain.

72. ?*Pentagonaster pulvinus* Alcock

1893. *Pentagonaster pulvinus* Alcock. A. Ann. Mag. nat. Hist., (6)XI: 90. Lakshadweep: Off Minicoy, 2195m (1200 fms.).
1993. *Pentagonaster pulvinus* : Clark, A.M. *Echinoderm Studies*, 4 : 274. Not congeneric with *Pentagonaster pulchellus* Gray, 1840 according to Fisher (1919) (by implication). Indian waters, c. 2200 m.

73. *Pentagonaster* sp. prox. *ctenipes* Sladen

1891. *Pentagonaster* sp. prox. *ctenipes* Sladen : Wood-Mason, J. and Alcock, A. Ann. Mag. nat. Hist., (6)8 : 436. Investigator St. 117. W of S Andamans, 11° 58' N 88° 52' 17'' E, 3197 m (1748 fms.).
2005. *Pentagonaster* sp. Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 30. West of South Andaman Islands.

73a. *Pentagonaster* sp.

1891. *Pentagonaster* sp. Wood-Mason, J. and Alcock, A. Ann. Mag. nat. Hist., (6)8 : 436. Investigator St. 117. W of S Andamans, 11° 58' N 88° 52' 17'' E, 3197 m (1748 fms.).
2005. *Pentagonaster* sp. Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 30. West of South Andaman Islands.

74. *Plinthaster doederleini* (Koehler)

1909. *Pentagonaster doederleini* Koehler, R. *Echinoderma of the Indian Museum*, Part V : 71. Lakshadweep : Minicoy, 2195 m (1200 fms.).
1993. *Plinthaster doederleini* : Clark, A.M. *Echinoderm Studies*, 4 : 277. To *Plinthaster* by synonymy of the type species of *Eugoniaster*. Lakshadweep area, S of India, 2160 m.

75. *Plinthaster investigatoris* (Alcock)

1893. *Pentagonaster investigatoris* Alcock. A. Ann. Mag. nat. Hist., (6)XI : 88. Andhra Pradesh : Off Krishna Delta.
1993. *Plinthaster investigatoris* : Clark, A.M. *Echinoderm Studies*, 4 : 277. Bay of Bengal, 1380 m.

76. *Pseudarchaster jordani* Fisher

1906. *Pseudarchaster jordani* Fisher, W.K. *The starfishes of the Hawaiian Islands*, Part 3 : 1038.
1909. *Astrogonium jordani* Koehler, R. *Echinoderma of the Indian Museum*, Part V : 49. Kerala : Investigator St. 249. SW of Thiruvananthapuram, 7° 00' 00'' N 76° 36' 15'' E, 1869 m (1022 fms.); Tamil Nadu (Pondicherry coast) : Investigator St. 280. 11° 29' 45'' N 80° 02' 30'' E, 816 m (446 fms.).
1993. *Pseudarchaster jordani* : Clark, A.M. *Echinoderm Studies*, 4 : 279. Hawaiian Islands to Moluccas, Borneo and S of India, 590-1980 m.

77. *Pseudarchaster mozaicus* Wood-Mason and Alcock

1891. *Pseudarchaster mozaicus* Wood-Mason, J. and Alcock. *A. Ann. Mag. nat. Hist.*, (6)VII : 432. Investigator St. 115. Andaman Sea, off South Andamans, 11° 31' 40'' N 92° 46' 06'' E, 344-402 m (188-220 fms.).
1893. *Pseudarchaster mozaicus* : Alcock, A. *Ann. Mag. nat. Hist.*, (6)XI : 85. Andaman Sea, 344-402 m (188-220 fms.).
1894. *Pseudarchaster mozaicus* : Alcock, A. *Journ. Asiat. Soc. Bengal*, 62 (Part II, no. 4) : 171. Madras coast, 1095 m (599 fms.). Locality of earstwhile Madras Province, at present Andhra Pradesh corresponding to Investigator Station 139. Bay of Bengal (SE of Ongole), 15° 25' 06'' N 80° 25' 07'' E, of the season 1892-93.
1909. *Astrogonium mozaicum* : Koehler, R. *Echinoderma of the Indian Museum*, Part V : 50. Tamil Nadu : Investigator St. 280. NE of the Mouth of Kaveri River, 11° 29' 45'' N 80° 02' 30'' E, 816 m (446 fms.); Tamil Nadu : Investigator St. 281. NE of the Mouth of Kaveri River, 11° 15' 15'' N 80° 07' E, 549 m (300 fms.); Andaman Islands, about 914 m (about 500 fms.).
1993. *Pseudarchaster mozaicus* : Clark, A.M. *Echinoderm Studies*, 4 : 280. Off SE India and Bay of Bengal, to Zanzibar, 342-1800 m.
2005. *Pseudarchaster mozaicus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 30. Andaman Islands.

78. *Pseudarchaster roseus* (Alcock)

1891. *Medister* sp. Wood-Mason and Alcock, *Ann. Mag. nat. Hist.*, (6)VII : 13.
1893. *Mediaster roseus* Alcock, A. *Ann. Mag. nat. Hist.*, (6)XI : 98. Lakshadweep Sea, 1353 m (740 fms.).
1909. *Astrogonium roseum* : Koehler, R. *Echinoderma of the Indian Museum*, Part V : 49.
1993. *Pseudarchaster roseus* : Clark, A.M. *Echinoderm Studies*, 4 : 281. Lakshadweep Sea.

79. *Rosaster confinis* (Koehler)

1910. *Dorigona confinis* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 57. Andamans : Investigator St. 238. W of North Andamans, 13° 16' N 93° 08' E, 123 m (67 fms.).
1993. *Rosaster confinis* : Clark, A.M. *Echinoderm Studies*, 4 : 282-283. *Rosaster confinis* s.s. Andaman Sea, 120 m; *Rosaster confinis timorensis* Döderlein (1924) Timor, S Indonesia, 216 m.
2005. *Rosaster confinis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 30. Andaman Islands.

80. *Rosaster florifer* (Alcock)

1893. *Nymphaster florifer* Alcock. *A. Ann. Mag. nat. Hist.*, (6)XI : 94. Andaman Sea, 238-457 m (130-250 fms.).
1983. *Mediaster florifer* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 89. Andaman Island, 522 m.
1993. *Rosaster florifer* : Clark, A.M. *Echinoderm Studies*, 4 : 283. Andaman Sea, 236-456 m.
2005. *Rosaster florifer* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 30. Andaman Islands.

81. *Siraster tuberculatus* H. L. Clark

1915. *Siraster tuberculatus* H.L. Clark, *Spolia Zeylanica*, 10(3) : 86.
1910. *Stellaster squamulosus* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 81. No. 2232. Locality not known, 66 m (36 fms.). [non : *Pentagonaster (Stellaster) squamulosus* Studer, T. 1884. *Abh. Preuss. Akad. Wiss.*, 1884 : 33].
1971. *Siraster tuberculatus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 32-33 (distribution), 49 (key).
1985. *Siraster tuberculatus* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., 54 (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Siraster tuberculatus* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. 1 : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1997. *Siraster tuberculatus* : James, D.B. *J. mar. biol. Ass. India*, 38 : 135. Synonymy : *Stellaster incei* : Herdman and Herdman 1904 : 141 [non : Gray, 1847 : 76], *Stellaster squamulosus* Koehler, 1910 : 81, *Stellaster equestris* : A.M. Clark and Spencer-Davies, 1966 : 598 [non : Retzius, 1805 : 12]. James (1986 : 579 *Stellaster tuberculatus*) : Lakshadweep, Maldives, Tamil Nadu : Gulf of Mannar, Palk Bay, Sri Lanka.
1993. *Siraster tuberculatus* : Clark, A.M. *Echinoderm Studies*, 4 : 284.
1993. *Stellaster squamulosus* : Koehler (1910 : 81). Clark, A.M. *Echinoderm Studies*, 4 : 286. [non : *Stellaster squamulosus* (Studer, 1884), = *Stellaster equestris* forma *childreni* Gray according to Döderlein (1935) but more likely = *Siraster tuberculatus* H.L. Clark, 1915 according to A.M.C. in Clark and Rowe (1971)]. Sri Lanka, Maldives and Seychelles.

82. *Stellaster childreni* Gray

1805. *Asterias equestris* Retzius, *Dissertatio sistens species cognitae Asteriarum*, p. 12. Invalid junior primary homonym (A.M. Clark, 1993, *vide infra*).
1840. *Stellaster childreni* Gray, J.E. *Ann. Mag. nat. Hist.*, 6(37) : 278.
1910. *Stellaster equestris* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 79. *Investigator* St. 239. Off South Andamans, 11° 49' 30'' N 92° 55' E, 101 m (55 fms.).
1910. *Stellaster incei* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 80. Andhra Pradesh : *Investigator* St. 77. 13 miles ESE of Barwa, 64 m (35 fms.); Andhra Pradesh : *Investigator* St. 78. 10 miles ENE of Barwa, 33 m (18 fms.); Andhra Pradesh : *Investigator* St. 94. 2 ½ miles ESE of Santapalli, Visakhapatnam Coast, 27-31 m (15-17 fms.); Orissa : Balasore Bay, 31-40 m (17-22 fms.); Orissa Coast, 55 m (30 fms.); Andamans : *Investigator* St. 224. Off North Andamans, 14° 54' 30'' N 96° 13' E, 101 m (55 fms.); *Investigator* St. 235. Off North Andamans, 14° 38' 15'' N 96° 24' 30'' E, 97 m (53 fms.). *Investigator* St. 293. Persian Gulf, 27° 05' 12'' N 50° 55' 20'' E, 71m (39 fms); *Investigator* St. 294. Persian Gulf, 26° 33' N 52° 23' E, 73m (40 fms); Sri Lanka : 6° 01' N 81 16' E, 62m (34 fms); Elephant Point, Myanmar, 18-42m (10-23 fms), 8 specs; 40 miles N of Collachnee, 64 m (35 fms).
1971. *Stellaster equestris* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 32-33 (distribution) and 49 (key).

1985. *Stellaster equestris* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Stellaster equestris* : James, D.B. *J. mar. biol. Ass.*, **25**(1983) : 102. Tamil Nadu : Chennai.
1988. *Stellaster equestris* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1993. *Stellaster childreni* : Clark, A.M. *Echinoderm Studies*. **4** : 285. Indo-West Pacific. Treated as synonym or form of *Stellaster equestris* (Retzius, 1805) by Döderlein (1935) but unjustifiably and invalidly and should be revived. *Sellaster equestris* (Retzius) (a 'super-species' according to Döderlein (1935) with synonyms or forms: *andamana*, *bandana*, *belcheri*, *childreni*, *crassa*, *elongata*, *gracilis*, *incei*, *indica*, *laticor*, *semoni* and *tenuispina*, needing re-evaluation. Investigation indicates that Döderlein's use of the name '*Asterias equestris* Retzius, 1820' (in fact 1805) is invalid. If it had been a new species of Retzius, the specific name would be a junior primary homonym of *Asterias equestris* Linnaeus, 1758. However, Retzius cited Linnaeus' 12th edition, p. 1100 as source. *A. equestris* Linnaeus, though described as having 5 tubercles, was supposedly from the Mediterranean and of the seven figures of Linck cited, though one of the four recognizable ones is probably *Ceramaster* and another *Goniaster*, the two best are of *Hippasteria phrygiana* (Parelius), which agrees with the diagnosis of Retzius in having laterally spinose marginals. It is therefore impossible to use *equestris* Linnaeus for the Indo-Pacific species, so *Stellaster childreni* Gray, 1840, widely used up to 1935 should be revived in its place. The name *Asterias equestris* Linnaeus, 1758 needs to be formally suppressed by the ICZN in order to validate the long-accepted *Hippasteria phrygiana* (Parelius, 1768).
1997. *Stellaster equestris* : James, D.B. *J. mar. biol. Ass. India*, **38** : 136. Tamil Nadu : Chennai.
1998. *Stellaster equestris* : Sastry, D.R.K. *State Fauna Series 3 : Fauna of West Bengal, Part 10* : 474. West Bengal : Digha.
2005. *Stellaster childreni* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 30. Andaman Islands.

Material : Andhra Pradesh : Srikakulam District : Sublittoral, off Nuvvula Revu, D.R.K. Sastry, 16.2.1995, 14 specimens (R/r = 32/14 to 65/30 mm); Orissa : Ganjam; Balasore Bay; Orissa coast. 31-64 m (17-35 fms.).

Family ASTERODISCIDIDAE

83. *Asterodiscides elegans* (Gray)

1847. *Asterodiscus elegans* Gray, J.E. *Proc. zool. Soc. Lond.*, **1847** : 75.
1895. *Asterodiscus elegans* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3**(II) : 114. Tamil Nadu : Gulf of Mannar (Tuticorin).
1969. *Asterodiscus elegans* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 52. Tamil Nadu : Gulf of Mannar (Tuticorin).
1971. *Asterodiscus elegans* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 34-35 (distribution) and 53 (key).
1985. *Asterodiscides elegans* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.

1988. *Asterodiscides elegans* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1**: 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1993. *Asterodiscides elegans* : Clark, A.M. *Echinoderm Studies*, **4** : 291. *Asterodiscus* Gray, 1847 is a junior homonym of *Asterodiscus* Ehrenberg, 1893 (Protozoa), renamed *Asterodiscides* by A.M. Clark, 1974. *Bull. Br. Mus. nat. Hist., (Zool.)*, **26** : 435. Philippine Islands, W to Seychelles and Natal, 0-49 m.

Family OREASTERIDAE

84. *Anthenea pentagonula* Lamarck

1816. *Anthenea pentagonula* Lamarck, J.B.P.A. de *Hist. nat. anim. s. vert.*, **2** : 554.
1888. *Anthenea pentagonula* (sic!) : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1889. *Anthenea acuta* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1889** : 6. [non : Perrier, 1869, : 280]. Tamil Nadu : Gulf of Mannar (Rameswaram).
1889. *Anthenea pentagonula* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1889** : 6. Tamil Nadu : Gulf of Mannar (Rameswaram).
1895. *Anthenea acuta* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3(II)** : 114. Tamil Nadu : Gulf of Mannar (Pamban).
1895. *Anthenea pentagonula* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3(II)** : 114. Tamil Nadu : Gulf of Mannar (Pamban).
1910. *Anthenea regalis* Koehler, R. *Echinoderma of the Indian Museum*, Part **VI** : 82. Orissa : Ganjam Coast, 44-55 m (24-30 fms.).
1910. *Anthenea rudis* Koehler, R. *Echinoderma of the Indian Museum*, Part **VI** : 86. Orissa : Ganjam Coast, 44-55 m (24-30 fms.).
1910. *Anthenea* sp. juv. Koehler, R. *Echinoderma of the Indian Museum*, Part **VI** : 91. Andaman Islands.
1941. *Anthenea regalis* : Gravely, F.H. *Bull. Madras Govt. Mus. New Series, (Nat. Hist. Section)*, **V(1)** : 86. 105. Tamil Nadu : Chennai.
1969. *Anthenea tuberculata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 52. [non : Gray, 1847]. Tamil Nadu : Gulf of Mannar (Tuticorin, Palk Bay).
1971. *Anthenea pentagonula* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 32-33 (distribution), 52 (key).
1971. *Anthenea rudis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 32-33 (distribution), 51 (key).
1971. *Anthenea regalis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 32-33 (distribution), 52 (key).
1983. *Anthenea rudis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Middle Andaman, intertidal.
1985. *Anthenea pentagonula* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.

1987. *Anthenea pentagonula* : James, D.B. *J. mar. biol. Ass. India*, **25**(1983) : 102. Tamil Nadu : Chennai.
1988. *Anthenea pentagonula* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1993. *Anthenea pentagonula* : Clark, A.M. *Echinoderm Studies*, **4** : 296. Type locality 'les mers australes' coll. Peron & Lesueur but most attributed specimens from the S China Sea. Validity doubtful but widely quoted; needs neotype in conformity with Döderlein (1915) if holotype untraceable.
1993. *Anthenea regalis* : Clark, A.M. *Echinoderm Studies*, **4** : 297. Northern Bay of Bengal. Sri Lanka. Philippine Is. W Java. 30-50 m.
1993. *Anthenea rudis* : Clark, A.M. *Echinoderm Studies*, **4** : 297. Myanmar : Mergui Archipelago; Sri Lanka; Arabian Gulf.
1997. *Anthenea pentagonula* : James, D.B. *J. mar. biol. Ass. India*, **38** : 134. *Anthenea acuta* : Bell, 1889 [non : Perrier], *Anthenea tuberculata* : James, 1969 [non : Gray], *Anthenea regalis* Kochler and *Anthenea rudis* Kochler are *Anthenea pentagonula*.
2004. *Anthenea rudis* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat*. p. 191. Gujarat : Gulf of Kachchh (Okha).
2005. *Anthenea pentagonula* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 31. Andaman Islands.

85. *Choriaster granulatus* Lütken

1869. *Choriaster granulatus* Lütken, C. *Catalog Godeffroy Museum*, **4** : 35.
1971. *Choriaster granulatus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 34-35 (distribution), 53 (key).
1993. *Choriaster granulatus* : Clark, A.M. *Echinoderm Studies*, **4** : 298. Fiji, S China Sea, New Caledonia, N Australia, Red Sea, East Africa, 5-40 m.
1999. *Choriaster granulatus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 18. North Andamans : Sound Island.
2005. *Choriaster granulatus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 32. Andaman (?and Nicobar) Islands.

86. *Culcita novaeguineae* Müller and Troschel

1842. *Culcita novaeguineae* Müller, J. and Troschel, F.H. *System der Asteriden*. p. 38.
1842. *Culcita grex* Müller, J. and Troschel, F.H. *System der Asteriden*. p. 39. "Validity doubtful, probably a form of *Culcita novaeguineae* Müller and Troschel, 1842 according to Döderlein (1896). Type locality unknown, later records from W Pacific and Andamans" (A.M. Clark, 1993 : 299).
1887. *Culcita grex* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 142. Andamans.
1888. *Culcita grex* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 388. Bay of Bengal.
1888. *Culcita novaeguineae* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 388. Bay of Bengal.
1910. *Culcita novaeguineae* : Koehler, R. *Echinoderma of the Indian Museum*, Part **VI** : 119. Andamans.

1969. *Culcita novaeguineae* var. *plana* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 52. Lakshadweep : Minicoy; Tamil Nadu : Gulf of Mannar (Mandapam); South Andamans : Port Blair.
1969. *Culcita novaeguineae* var. *arenosa* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 52. South Andamans : Port Blair.
1971. *Culcita novaeguineae* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 34-35 (distribution) and 54 (key).
1978. *Culcita novaeguineae* : Julka, J.M. and Das, Sumita. *Mitt. Zool. Mus. Berlin*, **54**(2) : 346. South Andamans : NW of Ross Island near Port Blair, Ritchie's Archipelago (Havelock).
1983. *Culcita novaeguineae* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andaman Island, 0-15 m.
1991. *Culcita novaeguineae* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 366. Lakshadweep : Agatti.
1993. *Culcita grex* Müller and Troschel : Clark, A.M. *Echinoderm Studies*, **4** : 299. Validity doubtful, probably a form of *Culcita novaeguineae* Müller and Troschel (1842) according to Döderlein (1896). Type locality unknown, later records from W Pacific and Andamans.
1993. *Culcita novaeguineae* : Clark, A.M. *Echinoderm Studies*, **4** : 299. With synonyms *Goniodiscus sebae* Müller and Troschel (1842), *Hosia spinulosa* Gray (1847), *Culcita pentangularis* Gray (1847), *C. pulverulenta* Perrier (1869) and *Hippasterias philippinensis* Domanty and Roxas (1938), also varieties *arenosa* Perrier (1869), *acutispinosa* Bell (1883), *plana* Hartlaub (1892) and *leopoldi* Engel (1938). New Guinea, West Pacific, Andaman Islands.
1999. *Culcita novaeguineae* (sic!) : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 18. North Andamans : Ray Hill.
2001. *Culcita novaeguineae* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 160. South Andamans : Ritchie's Archipelago (Havelock).
2005. *Culcita novaeguineae* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 32. Andaman and Nicobar Islands.

87. *Culcita schmideliana* Retzius

1805. *Asterias schmideliana* Retzius, A.J. *Dissertatio sistens species cognitae Asteriarum* (Naturforscher, xvi. t. 1.) p. 11.
1840. *Culcita schmideliana* : Gray, J.E. *Ann. Mag. nat. Hist.*, **6**(37) : 276.
1887. *Culcita schmideliana* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140, 141. Andamans.
1888. *Culcita schmideliana* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 388. Bay of Bengal.
1910. *Culcita schmideliana* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 126. South Andamans : Ritchie's Archipelago (Inglis Island).
1971. *Culcita schmideliana* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 34-35 (distribution), and 53 (key).
1976. *Culcita pentangularis* : Haldar, B.P. and Chakrapani, S. *J. Bombay nat. Hist. Soc.*, **73**(10) : 237. [non: Gray, 1847]. Middle Andamans (Rangat Bay).

1983. *Culcita schmideliana* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, No. **34** : 89. Andaman Island, 0-15 m.
1985. *Culcita schmideliana* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Culcita schmideliana* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1991. *Culcita schmideliana* : James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 19. South Andamans : Ritchie's Archipelago (MGMNP : Chester Island).
1991. *Culcita schmideliana* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 366. Lakshadweep : Agatti, Androth, Kavaratti.
1993. *Culcita schmideliana* : Clark, A.M. *Echinoderm Studies*, **4** : 299. Indian Ocean (?Andaman Is). Indonesia.
1999. *Culcita schmideliana* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 18. North Andamans : East Island.
2005. *Culcita schmideliana* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 33. Andaman and Nicobar Islands.

88. *Goniodiscaster forficulatus* (Perrier)

1875. *Goniodiscus forficulatus* Perrier, E. *Arch. Zool. Exp.*, (1) **IV** and **V** : 234.
1910. *Goniodiscus forficulatus* : Koehler, R. *Echinoderma of the Indian Museum, Part VI* : 61. Andhra Pradesh : Investigator St. 64. 3 miles S by E of Pundi Beacon. Srikakulam District. 16-24 m (9-13 fms.); Investigator St. 78. 10 miles ENE of Barwa. Srikakulam District. 33 m (18 fms.); Tamil Nadu : Chennai. Koehler (1910) reported Pundi and Barwa as localities of Orissa, but they are at present in Andhra Pradesh.
1969. *Goniodiscus forficulatus* : James, *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 52. Tamil Nadu : Gulf of Mannar (Tuticorin, Mandapam).
1971. *Goniodiscaster forficulatus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 32-33 (distribution), 50 (key).
1993. *Goniodiscaster forficulatus* : Clark, A.M. *Echinoderm Studies*, **4** : 300. Possibly a synonym of *Goniodiscaster scaber* (Möbius, 1859) according to A.M. Clark in Clark and Rowe, 1971. Philippine Islands, East Indies, Bay of Bengal. 30-120 m.

89. *Goniodiscaster scaber* (Möbius)

1859. *Goniodiscus scaber* Möbius, K. *Abh. Geb. naturv. Hamburg*, **4**(2) : 10.
1971. *Goniodiscaster scaber* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 32-33 (distribution), 50 (key).
1985. *Goniodiscaster scaber* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.

1988. *Goniodiscaster scaber* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1993. *Goniodiscaster scaber* : Clark, A.M. *Echinoderm Studies*, **4** : 301. With synonym *Goniaster articulatus* Lütken, C. 1865, possibly also *Goniodiscus forficulatus* Perrier, E. 1875.

90. *Goniodiscaster vallei* (Koehler)

1910. *Goniodiscus vallei* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 75. Orissa : Balasore Bay, 27 m (15 fms.).
1971. *Goniodiscaster vallei* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 32-33 (distribution) and 49 (key).
1985. *Goniodiscaster scaber* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 3. [non : *Goniodiscus scaber* Möbius, K. 1859. *Abh. Geb. naturv. Hamburg*, **4**(2) : 10]. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Goniodiscaster scaber* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1998. *Goniodiscaster vallei* : Sastry, D.R.K. *State Fauna Series 3 : Fauna of West Bengal*, Part **10** : 473. West Bengal : Digha.
1993. *Goniodiscaster vallei* : Clark, A.M. *Echinoderm Studies*, **4** : 301. Eastern India, Bay of Bengal. Sri Lanka, 28 m.
1997. *Goniodiscaster vallei* : James, D.B. *J. mar. biol. Ass. India*, **38** : 135 (1996). Synonymy and distribution.

91. *Halityle regularis* Fisher

1913. *Halityle regularis* Fisher, *Proc. U.S. nat. Mus.*, **32** : 211.
1971. *Halityle regularis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 34-35 (distribution) and 53 (key).
1976. *Halityle regularis* : James, D.B. *J. mar. biol. Ass. India*, **15**(2) : 557 (1973). Tamil Nadu : Gulf of Mannar (Off Mandapam).
1989. *Halityle regularis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **43** : 99. Lakshadweep : Kiltan.
1991. *Halityle regularis* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep* : 394. Lakshadweep : Kiltan.
1993. *Halityle regularis* : Clark, A.M. *Echinoderm Studies*, **4** : 304. Philippine Islands, W to Madagascar, E to New Caledonia and S to western Australia, 3-90 m.

92. *Pentaceraster affinis* (Müller and Troschel)

1842. *Oreaster affinis* Müller, J. and Troschel, F.H. *System der Asteriden*, p. 46. Bay of Bengal.
1888. *Oreaster thurstoni* Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384, 385. Tamil Nadu : Gulf of Mannar (Tuticorin).

1895. *Pentaceros thurstoni* Thurston, E. *Bull. Madras Govt. Mus.* No., 3(II) : 114. Tamil Nadu : Gulf of Mannar (Pamban, Tuticorin).
1910. *Pentaceros affinis* : Koehler, R. *Echinoderma of the Indian Museum*. Part VI : 92. Type : Indian Seas. Musée de Vienne.
1969. *Protoreaster affinis* James, D.B. *Bull. cent. mar. Fish. Res. Inst.* No., 7 : 52. Tamil Nadu : Gulf of Mannar (Tuticorin).
1971. *Pentaceraster affinis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 34-35 (distribution) and 56 (key).
1985. *Pentaceraster affinis* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*, Paper No., 54 (Minco) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Pentaceraster affinis* James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. 1 : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1993. *Pentaceraster affinis* : Clark, A.M. *Echinoderm Studies*, 4 : 310. Sri Lanka area, Bay of Bengal.

93. *Pentaceraster gracilis* (Lütken)

1871. *Oreaster gracilis* Lütken, C. *Vidensk. Meddr dansk. Naturh. Foren.*, 1871 : 260.
1971. *Pentaceraster gracilis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 34-35 (distribution) and 56 (key).
1993. *Pentaceraster gracilis* : Clark, A.M. *Echinoderm Studies*, 4 : 311. Queensland to W Myanmar (Burma), ?Mozambique.
2005. *Pentaceraster gracilis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 33. Clark and Rowe (1971 : 34-35) mentioned the report of this species from Bay of Bengal by Lütken (1872a). It is to be verified whether the material is from Nicobars.

94. *Pentaceraster multispinus* (von Martens)

1866. *Oreaster muricatus* var. *multispinus* von Martens, E. *Arch. Naturgesch.*, 32 : 79.
1927. *Pentaceraster multispinus* : Gravely, F.H. *Bull. Madras Govt. Mus. New Series (Nat. Hist. Section)*, I(1) : 169. Tamil Nadu : Gulf of Mannar (Krusadai Island).
1971. *Pentaceraster multispinus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 34-35 (distribution) and 56 (key).
1993. *Pentaceraster multispinus* : Clark, A.M. *Echinoderm Studies*, 4 : 312. With synonym *Oreaster hedemanni* Lütken, C., possibly also *O. grayi* Bell. Indonesia, NW Australia.

95. *Pentaceraster regulus* (Müller and Troschel)

1842. *Pentaceros regulus* Müller and Troschel, *System der Asteriden*, p. 51. India.
1927. *Pentaceros hedemanni* : Gravely, F.H. *Bull. Madras Govt. Mus. New Series (Nat. Hist. Section)*, I(1) : 169. [non : *Oreaster hedemanni* Lütken, C., = *Pentaceraster multispinus* (von Martens)]. Tamil Nadu : Gulf of Mannar (Krusadai Island).

1950. *Pentaceraster regulus* : Kurian, C.V. by James, D.B. In : M.F. Thomspson *et al.* (1988), *Marine Biodeterioration*, p. 237. Tamil Nadu : Gulf of Mannar (Krusadai Island).
1969. *Protoreraster australis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 52. Tamil Nadu : Gulf of Mannar (Mandapam, Tuticorin); Lakshadweep : Bitra.
1971. *Pentaceros regulus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 34-35 (distribution) and 55 (key).
1985. *Pentaceraster regulus* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*, Paper No., **54** (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Pentaceraster regulus* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*, **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Pentaceraster regulus* : James, D.B. *J. Mar. biol. Ass. India*, **25**(1-2) : 102 (1983). Tamil Nadu : Chennai.
1991. *Pentaceraster regulus* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 367. Lakshadweep (Bitra, not Chetlat).
1993. *Pentaceraster regulus* : Clark, A.M. *Echinoderm Studies*, **4** : 312. SE India to southern Japan, Melanesia, New Caledonia and northern Australia.

96. *Pentaceraster westermanni* (Lütken)

1871. *Oreaster westermanni* Lütken, C. *Vidensk. Meddr dansk. naturh. Foren.*, **1871** : 237. Bay of Bengal.
1888. *Pentaceros westermanni* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 388. Bay of Bengal.
1910. *Pentaceros westermanni* : Kochler, R. *Echinoderma of the Indian Museum*, Part **VI** : 102.
1971. *Pentaceraster westermanni* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 34-35 (distribution) and 56 (key).
1993. *Pentaceraster westermanni* : Clark, A.M. *Echinoderm Studies*, **4** : 313. Bay of Bengal..
2005. *Pentaceraster westermanni* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 33. Clark and Rowe (1971: 34-35) mentioned the report of this species from Bay of Bengal by Lütken (1872a). It is to be verified whether the material is from Nicobars.

97. *Poraster superbus* (Möbius)

1859. *Oreaster superbus* Möbius, K. *Abh. Geb. naturv. Hamburg*, **4**(2) : 5.
1888. *Oreaster superbus* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384, 388. Tamil Nadu : Gulf of Mannar (Tuticorin).
1895. *Pentaceros superbus* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3**(II) : 114. Tamil Nadu : Gulf of Mannar (Tuticorin).
1910. *Pentaceros indicus* Kochler, R. *Echinoderma of the Indian Museum*, Part **VI** : 110. Tamil Nadu : Chennai.
1969. *Protoreaster indicus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 53. Tamil Nadu : Gulf of Mannar (Tuticorin).

1971. *Poraster superbus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 34-35 (distribution) and 54 (key).
1987. *Pentaceraster indicus* : James, D.B. *J. mar. biol. Ass.*, **25** : 102 (1983). Tamil Nadu : Chennai.
1993. *Poraster superbus* : Clark, A.M. *Echinoderm Studies*, 4 : 317. With presumed synonym *tubercata* Sladen (as variety of *Pentaceros productus*) and varieties *productus* Bell, 1884 (as *Oreaster productus*), *indicus* Kochler, 1910 and *bengalensis* Döderlein, 1916. Sumatra, Indonesia, New Caledonia W to Sri Lanka, 25-55 m.
2005. *Poraster superbus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 34. Andaman Islands. The Named Register of Andaman and Nicobar Regional Station, Port Blair indicates one specimen of this species from South Andamans (Atlanta Point, Port Blair), collected and indentified by Dr. D.B. James. Hence the species is included.

98. *Protoreaster lincki* (de Blainville)

- 1830 *Asterias lincki* de Blainville. H.M. *Dictionnaire des Sciences Naturelles*, **60** : 238.
1834. *Asterias lincki* de Blainville. H.M. *Manuelle d'Actinologie*, p. 219.
1865. *Oreaster reinhardti* Lütken, C. *Vidensk. Meddr dansk. naturh. Foren.*, **1864** : 159. Nicobar Islands.
1888. *Oreaster reinhardti* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 388. Bay of Bengal.
1888. *Oreaster lincki* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384, 388. Tamil Nadu : Gulf of Mannar (Tuticorin).
1895. *Pentaceros muricatus* : Thurston, E. *Bull. Madras Govt. Mus. No.*, **3(II)** : 114. Tamil Nadu : Gulf of Mannar (Tuticorin).
1910. *Pentaceros reinhardti* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 101. Type specimen from Nicobar Island and Bell (1888) from Tuticorin.
1969. *Protoreaster lincki* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 52. Tamil Nadu : Gulf of Mannar (Mandapam, Tuticorin); Middle Andamans : Rangat Bay.
1971. *Protoreaster lincki* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 34-35 (distribution) and 54 (key).
1978. *Protoreaster lincki* : Julka, J.M. and Das, Sumita. *Mitt. Zool. Mus. Berlin*, **54(2)** : 346. Nicobars : Great Nicobar island (Changappa Bay).
1983. *Protoreaster lincki* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Nicobars.
1985. *Protoreaster lincki* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Protoreaster lincki* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*, **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1993. *Protoreaster lincki* : Clark, A.M. *Echinoderm Studies*, 4 : 317. With synonyms *Pentaceros muricatus* Gray, *Oreaster castellum* Grube and *Oreaster reinhardti* Lütken also possible forma *gotoi* Döderlein. Mozambique to NW Australia.
1999. *Protoreaster lincki* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15(1)** : 91. Nicobars : Great Nicobar.
2005. *Protoreaster lincki* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 34. Andaman and Nicobar Islands.

99. *Protoreaster nodosus* (Linnaeus)

1758. *Asterias nodosus* Linnaeus, C. *Systema Naturae* ed., X : 661.
1971. *Protoreaster nodosus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 34-35 (distribution) and 54 (key).
1978. *Protoreaster nodosus* : Julka, J.M. and Das, Sumita. *Mitt. Zool. Mus. Berlin*, **54**(2) : 346. Nicobars : Great Nicobar (Changappa Bay).
1993. *Protoreaster nodosus* : Clark, A.M. *Echinoderm Studies*, 4 : 318. Ceram, Bona or Amboina, E to New Caledonia, W to the Seychelles, N to southern China, Japan and Palao, S to northern Australia, 1-30 m.
1999. *Protoreaster nodosus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(1) : 91. Nicobars : Great Nicobar Island.
2005. *Protoreaster nodosus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 34. Nicobar Islands.

Family ASTEROPSEIDAE

100. *Asteropsis carinifera* (Lamarck)

1816. *Asterias carinifera* Lamarck, J.B.P.A. de, *Hist. nat. anim. s. vert.*, **2** : 556.
1971. *Asteropsis carinifera* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 38-39 (distribution), and 65 (key).
1991. *Asteropsis carinifera* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 369. Lakshadweep : Agatti, Kavaratti, Minicoy.
1993. *Asteropsis carinifera* : Clark, A.M. *Echinoderm Studies*, 4 : 320. Tropical Indo-West and East Pacific.
1999. *Asteropsis carinifera* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 18. North Andamans : Chanel Island.
2004. *Asteropsis carinifera* : Sastry, D.R.K. *Rec. zool. Surv. India*, **103** : 60. Nicobars : Great Nicobar Island.
2005. *Asteropsis carinifera* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 35. Andaman and Nicobar Islands.

Remark : Hotchkiss and Clark (1976) restricted Poraniidae to *Porania* and nine other genera in which the actinals are parallel to the inferomarginals and revived Asteropidae with the varied spelling Asteropseidae for *Asteropsis*, *Dermasterias* and *Petricia* in which the actinals are parallel to the adambulacrals.

101. *Valvaster striatus* (Lamarck)

1816. *Asterias striata* Lamarck, J.B.P.A. de, *Hist. nat. anim. s. vertebres*, **2** : 564.
1875. *Valvaster striatus* : Perrier, E. *Arch. Zool. Exp.*, (1) **IV & V** : 112.
1906. *Valvaster striatus* : Fisher, W.K. *The starfishes of the Hawaiian Islands*, Part **3** : 1093.

1910. *Valvaster striatus* : Kochler, R. *Echinoderma of the Indian Museum*, Part VI : 175. Andaman Islands.
1921. *Valvaster spinifera* Clark. H.L. *Pap. Dep. Mar. biol. Carnegie Instn. Wash.*, **10** : 102.
1971. *Valvaster striatus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 38-39 (distribution) and 71 (key).
1983. *Valvaster striatus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Andaman Island.
1993. *Valvaster striatus* : Clark, A.M. *Echinoderm Studies*, **4** : 322. With possible synonym *Valvaster spinifera* H.L. Clark. According to A.M.C. in Clark and Rowe (1971 : 319). The transfer of *Valvaster* to this family (Valvasteridae) by Blake (1980) means that the name Valvasteridae Viguer, 1878 should take precedence over Asteropseidae Hotchkiss & Clark (1976) but there is a good case for the ICZN to set aside this priority to avoid further confusion. Mauritius. Andaman Is. Philippine Is. Polynesia and Hawaiian Islands.
1995. *Valvaster striatus* : Rowe and Gates, *Zoological Catalogue of Australia*, (Ed. A. Wells) **33** : 45. Confirmed *Valvaster spinifera* H.L. Clark as a synonym of *Valvaster striatus* (Lamarck) in A.M. Clark and C. Mah (2001 : 338).
1999. *Valvaster striatus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 18. North Andamans : Ray Hill (SE corner of North Andaman Island).
2005. *Valvaster striatus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 35. Andaman Islands.

Family ACANTHASTERIDAE

102. *Acanthaster planci* (Linnaeus)

1758. *Asterias planci* Linnaeus, C. *Systema Naturae*, Ed. **10** : 823. Goa (West coast of India).
1743. (*Asterias planci*) : Plancus, J. and Gaultire, N. *De Stella Marina Echinata Quindecim Radii instructa Epistolae binae*. Goa. In : D.B. James (1987).
1887. *Acanthaster echinites* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140, 141. Andamans.
1969. *Acanthaster planci* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 54. Lakshadweep : Kadamath; Nicobars : Nancowry.
1971. *Acanthaster planci* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 38-39 (distribution) and 71 (key).
1977. *Acanthaster* sp. Sivadas, P. *Mahasagar- Bull. Natn. Inst. Oceanog.*, **10** (3-4) 178. Lakshadweep : Bangaram, Kavaratti.
1978. *Acanthaster planci* : Julka, J.M. and Das, Sumita. *Mitt. Zool. Mus. Berlin*, **54**(2) : 350. Middle Andamans : Mayabunder.
1983. *Acanthaster planci* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. South Andamans : Port Blair; Nicobar; intertidal.
1990. *Asterias planci* : James, D.B., Gopinatha Pillai, C.S. and Gopa Kumar, G. *Mar. Fish. Infor. Serv. T & E Ser. No.*, **106** : 1. South Andamans: Labyrinth Islands (MGMNP- Alexandra, Chester, Grub, Redskin and Twin Islands).
1991. *Acanthaster planci* : James, D.B. *J. Andaman Sci. Assoc. No.*, **7**(2) : 19. South Andamans : Labyrinth Islands (MGMNP- Alexandra, Twin, Grub, Chester and Redskin Islands).

1991. *Acanthaster planci* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 372. Lakshadweep : Bangaram, Kavaratti.
1993. *Acanthaster planci* : Clark, A.M. *Echinoderm Studies*, 4 : 323. *Echinaster ellisi* (Gray, 1840) is a synonym of *Acanthaster planci* according to Glynn and Turner in Glynn (1974) while Lucas and Jones (1976) note that the status is 'disputed' and Nishida and Lucas (1988) cite it as a possible synonym. Goa, W India, entire coral reef area of Indo-West Pacific, also East Pacific from Galapagos Islands to Gulf of California if *ellisi* is synonymous.
2005. *Acanthaster planci* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 35. Andaman and Nicobar Islands.

Family OPHIDIASTERIDAE

103. *Andora (Andora) faouzii* (Macan)

1938. *Nardoa faouzii* Macan, T.T. *Sci. Rep. John Murray Exped.*, 4(9) : 407.
1971. *Nardoa faouzii* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 36-37 (distribution) and 64 (key).
1976. *Nardoa (Andora) faouzii* : James, D.B. *J. mar. biol. Ass. India*, 15(1973) : 559. Tamil Nadu : Gulf of Mannar (Mandapam).
1985. *Andora (Andora) faouzii* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., 54 (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Andora (Andora) faouzii* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. 1 : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1993. *Andora (Andora) faouzii* : Clark, A.M. *Echinoderm Studies*, 4 : 326. SE Arabia, southern India, Seychelles.

104. *Certonardoa semiregularis* (Müller and Troschel)

1842. *Scytaster semiregularis* Müller, J. and Troschel, F.H. *System der Asteriden*, p. 36.
1993. *Certonardoa semiregularis* : Clark, A.M. *Echinoderm Studies*, 4 : 328. Java, N to Japan and Korea, E to New Guinea.

Material : Investigator Station 467. Kerala: Off Kochi, 9° 55' N 75° 41' E, 137-77 m (75-42 fms.).

105. *Cistina columbiae* Gray

1840. *Cistina columbiae* Gray, J.E. *Ann. Mag. nat. Hist.*, 6(37) : 283.
1971. *Cistina columbiae* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 40-41 (distribution) and 72 (key).
1989. *Cistina columbiae* : James, D.B. *Bull. Cent. Mar. Fish. Res. Inst. No.*, 43 : 106. Lakshadweep : Chetlat; Mauritius.
1991. *Cistina columbiae* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 394. Lakshadweep : Chetlat.

1993. *Cistina columbiae* : Clark, A.M. *Echinoderm Studies*, 4 : 328. Mauritius, Lakshadweep, Chagos Archipelago [MS record det A.M.C.], New Caledonia.

106. *Dactylosaster cylindricus* (Lamarck)

1816. *Asterias cylindrica* Lamarck, J.B.P.A. de, *Hist. nat. anim. s. vert.*, 2 : 567.
1902. *Ophidiaster cylindricus* : Bell, F.J. In : J.S. Gardiner (ed.). *The Fauna and Geography of the Maldives and Laccadive Archipelagoes*, 1 : 226. Lakshadweep : Minicoy.
1969. *Dactylosaster cylindricus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 53. Lakshadweep : Minicoy.
1971. *Dactylosaster cylindricus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 34-35 (distribution), 59 (key).
1991. *Dactylosaster cylindricus* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 367. Lakshadweep : Agatti, Kavaratti, Minicoy.
1993. *Dactylosaster cylindricus cylindricus* : Clark, A.M. *Echinoderm Studies*, 4 : 329. Type locality 'les mers australes', Mauritius, Mozambique to S China Sea. Amboina, Marshall Is and ?Fiji. Subspecies *pacificus* Fisher, 1925, Hawaiian Islands.
1997. *Dactylosaster cylindricus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, 13(1-2) : 49. South Andamans : Ritchie's Archipelago (RJMNP- Outram Island); Nicobars : Great Nicobar (Galathea Bay).
1999. *Dactylosaster cylindricus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, 15(1) : 91. Nicobars : Great Nicobar.
1999. *Dactylosaster cylindricus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, 15(2) : 18. North Andamans : Chanel Island.
2001. *Dactylosaster cylindricus* : Sastry, D.R.K. *Rec. zool. Surv. India*, 99 : 157 and 166. Andamans : Ritchie's Archipelago (RJMNP-Outram Island)
2004. *Dactylosaster cylindricus* : Sastry, D.R.K. *Rec. zool. Surv. India*, 103(1-2) : 60. Nicobars : Great Nicobar Island.
2005. *Dactylosaster cylindricus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 36. Andaman and Nicobar Islands.

107. *Fromia armata* Koehler

1910. *Fromia armata* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 141. South Andamans : Port Blair.
1971. *Fromia armata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 34-35 (distribution), 63 (key).
1978. *Fromia armata* : Julka, J.M. and Das, Sumita. *Mitt. Zool. Mus. Berlin*, 54(2) : 346. Nicobars : Trinket.
1983. *Fromia armata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 89. South Andamans : Port Blair.
1993. *Fromia armata* : Clark, A.M. *Echinoderm Studies*, 4 : 331. Andaman and Nicobar Islands.

2005. *Fromia armata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 36. Andaman and Nicobar Islands.

108. *Fromia indica* (Perrier)

1869. *Scytaster indica* Perrier, E. *Recherches sur les Pedicellaires et les Ambulacres des Astéries et des Oursins*, p. 63, [also *Ann. Sc. nat. Zool.*, (5)**12** : 255].
1887. *Fromia tumida* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140. Andamans.
1888. *Fromia indica* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 387. Tamil Nadu : Gulf of Mannar.
1909. *Fromia andamanensis* Koehler, R. *Echinoderma of the Indian Museum, Part V* : 105. Andamans : Andaman Islands, 435-530 m (238-290 fms.).
1967. *Fromia indica* : Clark, A.M. *Bull. Br. Mus. nat. Hist. (Zool.)*, **15**(4) : 188. Andamans : Andaman Islands.
1969. *Fromia indica* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 53. South Andamans : Port Blair.
1971. *Fromia indica* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 34-35 (distribution), 62 (key).
1983. *Fromia indica* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. South Andamans : Port Blair.
1989. *Fromia indica* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **43** : 103. Lakshadweep : Kavaratti.
1991. *Fromia indica* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 394. Lakshadweep : Kavaratti (based on James, 1989).
1993. *Fromia indica* : Clark, A.M. *Echinoderm Studies*, **4** : 331. With synonyms *Fromia tumida* Bell, 1882 and *F. andamanensis* Koehler, 1909, possibly also *F. elegans* H.L. Clark, 1921. 'Mers des Indes' Bay of Bengal, Indonesia, S Japan, Fiji and New Caledonia. 305 m.
1998. *Fromia indica* : Sastry, D.R.K. *Symp. Proc. "Island Ecosystem and Sustainable Development"* p. 134. South Andamans : MGMNP (Pongibalu).
2001. *Fromia indica* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 160. South Andamans : Ritchie's Archipelago (RJMNP-Henry Lawrence Island).
2005. *Fromia indica* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 37. Andaman Islands.

109. *Fromia milleporella* (Lamarck)

1816. *Asterius milleporella* Lamarck, J.B.P.A. de *Histoire naturelle des animaux sans vertèbres*, **3** : 564.
1888. *Fromia mileporella* : Bell, F.J. *Proc. zool. Soc. London.*, **1888** : 387. Tamil Nadu : Gulf of Mannar (Tuticorin).
1971. *Fromia mileporella* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 34-35 (distribution) and 63 (key).
1989. *Fromia mileporella* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **43** : 103. Lakshadweep : Bitra.
1991. *Fromia mileporella* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 394. Lakshadweep : Bitra (based on James, 1989).

1993. *Fromia milleporella* : Clark, A.M. *Echinoderm Studies*, 4 : 332. Tropical Indo-West Pacific except Hawaiian Islands.
2005. *Fromia mileporella* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 37. Andaman Islands

110. *Fromia monilis* (Perrier)

- 1869 *Scytaster monilis* Perrier, E. *Recherches sur les pedicellaires et les ambulacres des astéries et des oursins*, p. 62 [also *Annls. Sci. nat.*, **12**(1869) : 254].
1971. *Fromia monilis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 36-37 (distribution) : 62 (key).
1978. *Fromia monilis* : Jitka, J.M. and Das, Sumita. *Mitt. Zool. Mus. Berlin*, **54**(2) : 347. North Andamans : Curlew Island.
1991. *Fromia monilis* : Marsh, L.M. and Price, A.R.G. *Bull. Br. Mus. nat. Hist. (Zool.)*, **57**(1) : 63. Lakshadweep : Chetlat.
1993. *Fromia monilis* : Clark, A.M. *Echinoderm Studies*, 4 : 332. With synonyms *Fromia japonica* Perrier, 1881 and *F. major* Kochler, 1895. Indonesia, New Caledonia, Caroline Is, S Japan, NW Australia, Andaman Is (also Red Sea, Fridman, Birtles, Jangoux personal communications and personal identifications and record of Tortonese (1979) as *F. ghardaqana* from colour figure). 1-35 m.
1998. *Fromia monilis* : Sastry, D.R.K. *Symp. Proc. "Island Ecosystem and Sustainable Development"* p. 135. South Andamans : MGMNP (Pongibalu).
2005. *Fromia monilis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 38. Andaman Islands.

111. *Gomophia egyptiaca* Gray

1840. *Gomophia egyptiaca* Gray, J.E. *Ann. Mag. nat. Hist.*, **6**(37) : 286.
1910. *Nardoa aegyptiaca* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 157. Andamans. Doubtfully referred to her new subspecies *egeriae* by A.M. Clark 1967, *Bull. Br. Mus. nat. Hist. (Zool.)*, **15**(4) : 169.
1971. *Gomophia egyptiaca* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 36-37 (distribution) and 64 (key).
1983. *Nardoa aegyptiaca* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andaman Island, 36 m.
1993. *Gomophia egyptiaca egyptiaca* : Clark, A.M. *Echinoderm Studies*, 4 : 333. Red Sea, East Africa, Mauritius, Sri Lanka, Christmas Id, Indian Ocean, S Moluccas, Queensland, New Caledonia, southern Polynesia, 15-50 m. Subspecies *egeriae* A.M. Clark, 1967 : 169, Macclesfield Bank, S China Sea
2005. *Gomophia egyptiaca* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 38. Andaman Islands.

112. *Heteronardoa carinata* (Koehler)

1910. *Nardoa carinata* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 165. Andaman Islands, 18-97m (10-53 fms.).

1910. *Nardoa squamulosa* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 168. Myanmar.
1976. *Heteronardoa carinata* : Rowe, F.W.E. *Rec. W. Aust. Mus.*, 4(1) : 86.
1983. *Nardoa carinata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 89. Andaman Island, 18-96 m.
1993. *Heteronardoa carinata* : Clark, A.M. *Echinoderm Studies*, 4 : 334. *Nardoa squamulosa* Koehler, 1910 : 168 (Mergui Archipelago, Myanmar) is a synonym of *Heteronardoa carinata*. Gulf of Aden, Maldives, Bay of Bengal, W Australia, Philippine Islands, Indonesia and New Caledonia, 34-230 m.
2005. *Heteronardoa carinata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 38. Andaman Islands.

113. *Leiaster glaber* Peters

1852. *Leiaster glaber* Peters, W. *Ber. kon. preuss. Akad. Wissensch. Berlin*, 1852 : 177.
1906. *Leiaster callipeplus* Fisher, W.K. *Bull. U.S. Fish. Comm. No.*, 3(3) : 1083.
1910. *Leiaster callipeplus* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 153. South Andamans : Cinque Island, 20-46 m. (11-25 fms.); Myanmar : Prepara Island, 75 m (41 fms.).
1971. *Leiaster glaber* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 36-37 (distribution) and 57 (key).
1980. *Leiaster glaber* : Jangoux, M. *Rev. Zool. afr.* 94(1): 100. *Leiaster callipeplus* Fisher and of Koehler 1910, synonym of *Leiaster glaber*. Mozambique; Hawaii.
1983. *Leiaster callipeplus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 89. Andaman Island, 206 m.
1993. *Leiaster glaber* : Clark, A.M. *Echinoderm Studies*, 4 : 335. Mozambique and Hawaiian Is; ?Taiwan and East Pacific off Colombia. Thought to be a synonym of *Leiaster leachi* Gray by H.L. Clark (1921) but a valid species according to A.M. Clark in Clark, A.M. and Rowe, F.W.E. 1971. Geographic range needs confirmation.
2005. *Leiaster glaber* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 39. Andaman Islands.

114. *Leiaster leachi* (Gray)

1840. *Ophidiaster leachi* Gray, J.E. *Ann. Mag. nat. Hist.*, 6(37) : 284.
1969. *Leiaster leachi* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 53. Lakshadweep : Bitra, Minicoy.
1971. *Leiaster leachi* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 36-37 (distribution) and 58 (key).
1980. *Leiaster leachi* : Jangoux, M. *Rev. Zool. afr.*, 94(1) : 91. *Leiaster leachi hawaiiensis* W.K. Fisher and *Leiaster brevispinus* H.L. Clark are synonyms of *Leiaster leachi* (Gray). Mauritius; Samoa; New Caledonia; Hawaii.
1991. *Leiaster leachi* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 367. Lakshadweep : Bitra, Minicoy.

1993. *Leiaster leuchi* : Clark, A.M. *Echinoderm Studies*, 4 : 335. With synonyms *Leiaster brevispinus* H.L. Clark, *Leiaster leuchi hawaiiensis* Fisher and possibly *L. grandis* Hayashi Tropical Indo-West Pacific, 10-30 m.

115. *Linckia guildingi* Gray

1840. *Linckia guildingi* Gray, J.E. *Ann. Mag. nat. Hist.*, 6(37) : 285.
1871. *Linckia nicobarica* Lütken, C. *Vidensk. Meddr dansk. naturh. Foren.*, 1871 : 265.
1885. *Linckia ehrenbergi* de Loriol, P. *Mem. Soc. Phys. Hist. Nat. Genève*, 19(4) : 31.
1887. *Linckia pacifica* : Bell, F.J. *Proc. zool. Soc. Lond.*, 1887 : 140. Andamans.
1902. *Linckia laevigata* (part) : Bell, F.J. In : J.S. Gardiner (ed.), *The Fauna and Geography of the Maldive and Laccadive Archipelagoes*, 1 : 226. Lakshadweep : Minicoy.
1910. *Linckia ehrenbergi* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 154. Andaman Islands, 27-64 m (15-35 fms.).
1910. *Linckia pacifica* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 154. Andaman Islands; Persian Gulf; Indian Seas.
1969. *Linckia guildingi* : James, D.B. *Bull. cent. mar. Fish. Res. Inst No.*, 7 : 53. South Andamans : Port Blair.
1971. *Linckia guildingi* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 36-37 (distribution) and 61 (key).
1983. *Linckia guildingi* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 89. South Andamans : Port Blair, intertidal.
1991. *Linckia guildingi* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 368. Lakshadweep : Agatti.
1993. *Linckia guildingi* : Clark, A.M. *Echinoderm Studies*, 4 : 338. With synonyms *Linckia pacifica* Gray, *Ophidiaster diplax*, *O. ornithopus* and *O. ehrenbergi* all of Müller and Troschel, *Scytaster stella* Duschassaing, *O. flaccidus* Lütken, *O. irregularis* Perrier and *Linckia nicobarica* Lütken. 'Tropicopolitan'
1997. *Linckia guildingi* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, 13(1-2) : 49. South Andamans : MGMNP (Pongibalu).
1999. *Linckia guildingi* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, 15(2) : 18. North Andamans : Table (Excelsior) Island, West Island.
2004. *Linckia guildingi* : Sastry, D.R.K. *Rec. zool. Surv. India*, 103(1-2) : 60. Nicobars : Great Nicobar Island.
2005. *Linckia guildingi* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 39. Andaman and Nicobar Islands.

116. *Linckia laevigata* (Linnaeus)

1758. *Asterias laevigata* Linnaeus, C. *Systema Naturae*, Ed. 10 : 662.
1887. *Linckia laevigata* : Bell, F.J. *Proc. zool. Soc. Lond.*, 1887 : 140. Andamans.

1888. *Linckia laevigata* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384. Tamil Nadu : Gulf of Mannar; (Tuticorin).
1895. *Linckia miliaris* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3(II)** : 114. Tamil Nadu : Gulf of Mannar (Tuticorin).
1902. *Linckia laevigata* (part) : Bell, F.J. In : J.S. Gardiner (ed.), *The Fauna and Geography of the Maldive and Laccadive Archipelagoes*, **1** : 226. Lakshadweep : Minicoy.
1902. *Scytaster novaecaledoniae* (part.) : Bell, F.J. *Fauna and Geography of the Maldive and Laccadive Archipelagoes*, **1** : 226. Blue specimens only, according to H.L. Clark (1921). Lakshadweep : Minicoy.
1910. *Linckia miliaris* : Koehler, R. *Echinoderma of the Indian Museum*, Part **VI** : 154. Andaman Islands.
1969. *Linckia laevigata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 53. Lakshadweep : Minicoy; Tamil Nadu : Gulf of Mannar (Tuticorin); Andamans.
1971. *Linckia laevigata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 36-37 (distribution), 62 (key).
1978. *Linckia laevigata* : Julka, J.M. and Das, Sumita. *Mitt. Zool. Mus. Berlin*, **54(2)** : 347. South Andamans Ritchie's Archipelago (Havelock).
1983. *Linckia laevigata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. South Andamans : Port Blair, intertidal.
1985. *Linckia laevigata* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Linckia laevigata* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*, **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1991. *Linckia laevigata* : James, D. B. *J. Andaman Sci. Assoc.* **7(2)** : 19. South Andamans: MGMNP (Twin and Malay Islands).
1991. *Linckia laevigata* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 368. Lakshadweep : Kavaratti, Minicoy.
1993. *Linckia laevigata* : Clark, A.M. *Echinoderm Studies*, **4** : 338. With synonyms *Linckia typus* Nardo, *Ophidiaster miliaris* Müller and Troschel, *Linckia browni* Gray, *L. crassa* Gray, *O. clathrata* Grube, *L. rosenbergi* Martens and *O. propinquus* Livingstone, also var. *hondurae* Domantay and Roxas Tropical Indo-West Pacific except Red Sea and Hawaiian Is. 0-25 m.
1999. *Linckia laevigata* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15(2)** : 18. North Andamans : Table (Delgarno), Table (Excelsior), Trilby, Tree, Landfall, Point, East, West, Orchid, Oliver, Oyster-I and Curlew (B.P.) Islands, Ray Hill; Middle Andamans: Mayabunder.
2001. *Linckia laevigata* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 157, 160 and 166. South Andamans : Ritchie's Archipelago (Havelock Island; RJMNP- Outram Island).
2004. *Linckia laevigata* : Sastry, D.R.K. *Rec. zool. Surv. India*, **103(1-2)** : 60. Nicobars : Great Nicobar Island (Trinket Chiplong Bay and Pigeon Island).
2005. *Linckia laevigata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 40. Andaman and Nicobar Islands.

117. *Linckia multifora* (Lamarck)

1816. *Asterias multifora* Lamarck, J.B.P.A. de *Hist. nat. anim. s. vert.*, **2** : 565.
1902. *Linckia multiforis* : Bell, F.J. In : J.S. Gardiner (ed.), *The Fauna and Geography of the Maldive and Laccadive Archipelagoes*, **1** : 226. Lakshadweep : Minicoy.
1903. *Linckia multifora* : Bell, F.J. In : J.S. Gardiner (ed.), *Fauna and Geography of the Maldive and Laccadive Archipelagoes*, **1** : 226. Lakshadweep : Minicoy.
1969. *Linckia multifora* : James, D.B. *Bull. cent. mar. Fish. Res. Inst*, No., **7** : 53. Lakshadweep : Agatti, Bitra, Minicoy; Tamil Nadu : Gulf of Mannar (Mandapam, Tuticorin); South Andamans : Port Blair.
1971. *Linckia multifora* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 36-37 (distribution) 62 (key).
1978. *Linckia multifora* : Julka, J.M. and Das, Sumita. *Mitt. Zool. Mus. Berlin*, **54**(2) : 347. Nicobars : Car Nicobar.
1985. *Linckia multifora* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimco) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Linckia multifora* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985, **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1991. *Linckia multifora* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 369. Lakshadweep : Agatti, Kadamat, Kavaratti, Minicoy. Some specimens with galls produced by parasitic gastropods.
1993. *Linckia multifora* : Clark, A.M. *Echinoderm Studies*, **4** : 339. With synonyms *Linckia leachi* Gray and probably *L. costae* Russo. Tropical Indo-West Pacific 0-40 m.
1997. *Linckia multifora* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **13**(1-2) : 50. South Andamans : MGMNP (Pongibalu).
2004. *Linckia multifora* : Sastry, D.R.K. *Rec. zool. Surv. India*, **103**(1-2) : 60. Nicobars : Great Nicobar Island (Alexandra Bay).
2005. *Linckia multifora* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 40. Andaman and Nicobar Islands.

118. *Nardoa frianti* Koehler

1910. *Nardoa frianti* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 158. Andamans.
1971. *Nardoa frianti* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 36-37 (distribution) and 63 (key).
1983. *Nardoa frianti* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andamans.
1993. *Nardoa frianti* : Clark, A.M. *Echinoderm Studies*, **4** : 341. With possible synonyms *Nardoa tumulosa* Fisher and *N. mamillifera* Livingstone. Andaman Is to Parcel Islands, S China Sea, Philippines, Caroline Islands and New Caledonia, 3-45 m.
2005. *Nardoa frianti* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 41. Andaman Islands.

119. *Nardoa galathea* (Lütken)

1865. *Scytaster galathea* Lütken, C. *Vidensk. Meddr dansk. naturh. Foren.*, **1864** : 167. Bay of Bengal (probably Nicobar Islands).
1887. *Scytaster novaecaledoniae* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140. Andamans.
1993. *Nardoa galathea* : Clark, A.M. *Echinoderm Studies*, 4 : 341. Nicobar Islands; ?Moluccas.
2005. *Nardoa galathea* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 41. Clark and Rowe (1971 : 36-37) mentioned the report of this species from Bay of Bengal by Lütken (1872). A.M. Clark (*Op. cit.*) mentioned Nicobars under the distribution. Hence the first report is taken as from Nicobar Islands. Andaman and Nicobar Islands.

120. *Nardoa lemonnieri* Koehler

1910. *Nardoa lemonnieri* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 161. Andaman Islands.
1887. *Scytaster novaecaledoniae* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140. Andamans. Synonym of *Nardoa lemonnieri* according to James, D.B. (1987 : 100).
1978. *Nardoa lemonnieri* : Julka, J.M. and Das, Sumita. *Mitt. Zool. Mus. Berlin*, **54(2)** : 347. South Andamans : Little Andaman.
1983. *Nardoa lemonnieri* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andamans; Nicobars.
1993. *Nardoa lemonnieri lemonnieri* : Clark, A.M. *Echinoderm Studies*, 4 : 342. Thought to be a synonym of *Nardoa mollis* de Loriol by H.L. Clark (1921), a valid species by A.M. Clark (1967b), a synonym of *N. galathea* (Lütken,) by Jangoux in Guille & Jangoux (1978) but again valid by Jangoux & Aziz (1984). A.M. Clark (2001 : 339) stated that Rowe in Rowe and Gates (1995: 88) considered it as a synonym of *N. galathea* (Lütken,). Andaman and Philippine Islands, ?Maldives.
2005. *Nardoa lemonnieri lemonnieri* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 41. Andaman and Nicobar Islands A.M. Clark and C. Mah (2001 : 339) stated '*Nardoa lemonnieri* is a synonym of *Nardoa galathea* (Lütken) according to Rowe in Rowe & Gates. (1995 : 88). Because of the differing opinions, the species is considered valid for the present.

121. *Nardoa novaecaledoniae* (Perrier)

1875. *Scytaster novaecaledoniae* Perrier, E. *Revision de la collection de Stellerides du Museum d' Histoire Naturelle de Paris*, p. 162.
1875. *Scytaster novaecaledoniae* Perrier, E. *Archs. zool. Exp. gén.*, **4(1875)** : 426.
1895. *Nardoa novaecaledoniae* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3(II)** : 114. Tamil Nadu : Gulf of Mannar (Tuticorin).
1902. *Scytaster novaecaledoniae* (part) : Bell, F.J. In : J.S. Gardiner (ed.), *The Fauna and Geography of the Maldiva and Laccadive Archipelagoes*, **1** : 226. (Only specimens other than the blue ones according to H.L. Clark, 1921.) Lakshadweep : Minicoy.
1969. *Nardoa novaecaledoniae* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 53. Tamil Nadu : Gulf of Mannar (Mandapam).
1971. *Nardoa novaecaledoniae* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 36-37 (distribution) and 64 (key).

1993. *Nardoa novaecaledoniae* : Clark, A.M. *Echinoderm Studies*, 4 : 342. New Caledonia, Queens land, Philippine Islands, 1-5 m. The records of Bell and James (*vide supra*) from Lakshadweep and Tamil Nadu have not been included, probably because of uncertainty of identity particularly by James, 1985, *vide infra*.

121a. *Nardoa* sp.

1985. *Nardoa* sp. James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 3. Tamil Nadu : Gulf of Mannar Marine National Park.

122. *Neoferdina offreti* (Koehler)

1910. *Ferdina offreti* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 143 (part). South Andamans : Little Andaman Island, 18 m. (10 fms.). The one from Sri Lanka is *Paraferdina sohariae* Marsh and Price (1991. *Bull. Br. Mus. nat. Hist. (Zool.)*, **15**(4) : 189.
1931. *Neoferdina offreti* : Livingstone, A.A. *Aust. Zool.* 6 : 305-309 in A.M. Clark, 1967. *Bull. Br. Mus. nat. Hist. (Zool.)*, **15**(4) : 191.
1971. *Neoferdina offreti* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 36-37 (distribution) and 65 (key).
1983. *Ferdina offreti* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. South Andamans : Little Andaman, 18-62 m.
1993. *Neoferdina offreti* : Clark, A.M. *Echinoderm Studies*, 4 : 344. With synonyms *Ferdina intermedia* Djakonov and *Neoferdina mahei* Jangoux. Andaman Islands, W to Seychelles, E to Caroline Islands and New Caledonia, 0-62 m.
2005. *Neoferdina offreti* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 42. Andaman Islands.

123. *Ophidiaster armatus* Koehler

1910. *Ophidiaster armatus* Koehler, R. *Abh. Senckenb. naturforsch. Ges.*, **37** : 277. Aru Islands.
1910. *Ophidiaster armatus* : Koehler, R. *Echinoderma of the Indian Museum*. Part VI : 148. Andaman Islands, 31 m. (17 fms.).
1971. *Ophidiaster armatus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 36-37 (distribution) and 60 (key).
1983. *Ophidiaster armatus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andaman Island, 31 m.
1993. *Ophidiaster armatus* : Clark, A.M. *Echinoderm Studies*, 4 : 345. Aru Is, Indonesia, N to Hong Kong, S to Queensland and W to the Andaman Is, 5-33 m.
2005. *Ophidiaster armatus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 42. Andaman Islands.

124. *Ophidiaster hemprichi* Müller and Troschel

1842. *Ophidiaster hemprichi* Müller, J. and Troschel, F.H. *System der Asteriden*, p. 29.

1971. *Ophidiaster hemprichi* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 36-37 (distribution) and 61 (key).
1978. *Ophidiaster hemprichi* : Julka, J.M. and Das, Sumita. *Mitt. Zool. Mus. Berlin*, **54**(2) : 348. Nicobars : Car Nicobar.
1993. *Ophidiaster hemprichi* : Clark, A.M. *Echinoderm Studies*, 4 : 348. Red Sea, S to East Africa and Mauritius, E to Maldives and Tropical W Pacific except Hawaiian Islands.
2005. *Ophidiaster hemprichi* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 42. Nicobar Islands.

125. *Paraferdina laccadivensis* James

1976. *Paraferdina laccadivensis* James, D.B. *J. mar. biol. Ass. India*; **15** : 556 (1973). Lakshadweep : Minicoy.
1991. *Paraferdina laccadivensis* : Marsh, L.M. and Price, A.R.G. *Bull. Brit. Mus. nat. Hist. (Zool.)*, **57**(1) : 65. Sumatra.
1993. *Paraferdina laccadivensis* : Clark, A.M. *Echinoderm Studies*, 4 : 350. Lakshadweep, 2 m.

125a. *Paraferdina sohariae* Marsh and Price

1991. *Paraferdina sohariae* Marsh, L.M. and Price, A.R.G. *Bull. Br. Mus. nat. Hist. (Zool.)*, **57** : 66. Andaman Sea. A small specimen from Ceylon, with R of 13.5 mm, referred to as a juvenile *Ferdina offreti* by Koehler (1910, only Pl XVI figs 4,5) and believed to represent *Fromia nodosa* by A.M. Clark (1967) cannot be placed in *Fromia* because of the adambulacral armature. This specimen is now referred to *Paraferdina* and clearly represents *P. sohariae*. Sri Lanka, Similan Island, Andaman Sea (Coral Reef).

Remark : The locality in the Andaman Sea is not strictly Indian.

126. *Tamaria dubiosa* (Koehler)

1910. *Linckia dubiosa* Koehler, R. *Echinoderma of the Indian Museum, Part VI* : 155. Andaman Islands.
1971. *Tamaria dubiosa* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 36-37 (distribution) and 58 (key).
1983. *Tamaria dubiosa* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andaman Island.
1993. *Tamaria dubiosa* : Clark, A.M. *Echinoderm Studies*, 4 : 353. Andaman Islands and Philippines, 129-685 m.
2005. *Tamaria dubiosa* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 43. Andaman Islands.

127. *Tamaria fusca* Gray

1840. *Tamaria fusca* Gray, J.E. *Ann. Mag. nat. Hist.*, **6**(37) : 283.
1983. *Tamaria fusca* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andamans.
1993. *Tamaria fusca* : Clark, A.M. *Echinoderm Studies*, 4 : 353. Philippine Islands, Queensland and New Caledonia, 25-45 m.

2005. *Tamaria fusca* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 43. Andaman Islands.

128. *Tamaria hirsuta* (Koehler)

1910. *Ophidiaster hirsutus* Koehler, R. *Echinoderma of the Indian Museum*. Part VI : 149. Andamans.

1993. *Tamaria hirsuta* : Clark, A.M. *Echinoderm Studies*, 4 : 353. Andaman Islands and NW Australia.

2005. *Tamaria hirsuta* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 43. Andaman Islands.

129. *Tamaria megaloplax* (Bell)

1884. *Linckia megaloplax* Bell, F.J. *Rep. Zool. Collns made in the Indo-Pacific Ocean during the voyage of H.M.S. 'Alert' 1881-82*, p. 126.

1889. *Ophidiaster tuberifer* Sladen, W.P. *Rep. scient. Results Voy. 'Challenger' (Zool.)*, **30** : 404.

1910. *Ophidiaster tuberifer* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 148. Andaman Islands, 97 m (53 fms.).

1971. *Tamaria megaloplax* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 38-39 (distribution) and 58 (key).

1978. *Tamaria megaloplax* : Julka, J.M. and Das, Sumita. *Mitt. Zool. Mus. Berlin*, **54**(2) : 348. Nicobars : Trinket.

1983. *Tamaria tubifer* (sic!) : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andaman Island, 96 m.

1993. *Tamaria megaloplax* : Clark, A.M. *Echinoderm Studies*, 4 : 354. With synonym *Ophidiaster tuberifer* Sladen according to H.L. Clak (1946). Queensland, NW Australia and Andaman and Nicobar Is, 15-95 m.

2005. *Tamaria megaloplax* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 43. Andaman and Nicobar Islands.

Order VELATIDA Family PTERASTERIDAE

130. *Euretaster cribrosus* (von Martens)

1867. *Pteraster cribrosus* von Martens, E. *Arch. Naturgesch.*, **33** : 109.

1971. *Euretaster cribrosus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 38-39 (distribution) and 73 (key).

1978. *Euretaster insignis* : Julka, J.M. and Das, Sumita. *Mitt. Zool. Mus. Berlin*, **54**(2) : 350. Nicobars : Kamorta [non : *Retaster insignis* Sladen, W.P. 1882. *J. Linn. Soc. (Zool.)*, **16** : 200].

1983. *Euretaster cribrosus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Andaman and Nicobar Islands, 10 m.

1985. *Euretaster cribrosus* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985. Paper No.*, **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.

1988. *Euretaster cribrosus* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1996. *Euretaster cribrosus* : Clark, A.M. *Echinoderm Studies*, **5** : 199. Zanzibar to Philippine Islands, 10-46 m.
2005. *Euretaster cribrosus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 44. Nicobar Islands.

131. *Hymenaster alcocki* Koehler

1909. *Hymenaster alcocki* Koehler, R. *Echinodermata of the Indian Museum*, Part V : 110. Investigator St. 372. Off North Andamans. 13° 54' 15'' N 94° 02' 15'' E, 1176 m (643 fms.).
1996. *Hymenaster alcocki* : Clark, A.M. *Echinoderm Studies*, **5** : 200. Andaman Sea, off Zanzibar, 1175-1790 m.
2005. *Hymenaster alcocki* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 44. Andaman Islands.

131a. *Hymenaster nobilis* Wyville Thompson

1876. *Hymenaster nobilis* Wyville Thomson. *J. Linn. Soc. Lond.*, **XIII** : 73.
1889. *Hymenaster nobilis* : Sladen, W. P. *Rep. Challenger Zool.*, **XXX** : 495.
1891. *Hymenaster nobilis* : Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)**VII** : 437. Investigator St. 117. Bay of Bengal, 11° 58' N 88° 52' 17'' E, 3197 m (1748 fms.).
1893. *Hymenaster nobilis* : Alcock, A. *Ann. Mag. nat. Hist.*, (6)**XI** : 112. Bay of Bengal, 3199m (1749 fms.).
1951. *Hymenaster nobilis* : Madsen, F.J. *Rep. Sweedish deep-sea Exped. II (Zoology)* no. **6** : 90.
1996. *Hymenaster nobilis* : Clark, A.M. *Echinoderm Studies*, **5** : 203. p. 199. The numerous nominal species of *Hymenaster* known only from the type material (especially of Sladen and Koehler), need reassessment in the light of the ranges of variation of better-known species. S from Australia (c. 50° S, 123° E), Bay of Bengal, 3200-3300 m.
2005. *Hymenaster nobilis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 44. Andaman Islands.

131b. ?*Marsipaster hirsutus* Sladen Wood-Mason and Alcock

1891. *Marsipaster hirsutus* : Wood-Mason and Alcock, *Ann. Mag. nat. Hist.*, (6)**VII** : 437. Investigator St. 110. Bay of Bengal, 9° 34' N 85° 43' 15'' E, 3652 m (1997 fms.). [non : *Marsipaster hirsutus* Sladen, W. P. *J. 1882. Linn. Soc. Lond. Zool.*, **16** : 205]
1893. *Marsipaster hirsutus* : Alcock, A. *Ann. Mag. nat. Hist.*, (6)**XI** : 112. Bay of Bengal, 3652m (1997 fms.).
1951. *Marsipaster hirsutus* : Madsen, F.J. *Rep. Sweedish deep-sea Exped. II (Zoology)* no. **6** : 89.

Remark : *Marsipaster* was synonymised with *Pteraster* by Downey 1973. Since Downey did not mention *Marsipaster hirsutus* Sladen, A.M. Clark, 1996 : 209 included *Pteraster*

hirsutus (Sladen) as New Combination and range as between Chile and Juan Fernandez, 3950 m stating the identity of *Marsipaster hirsutus* : Alcock, 1983 : 112 from Bay of Begal, as uncertain (p. 205).

Order SPINULOSIDA
Family ECHINASTERIDAE

132. *Dictyaster xenophilus* Wood-Mason and Alcock

1891. *Dictyaster xenophilus* Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)VIII : 438. *Investigator* St. 115. Andaman Sea, 11° 31' 40" N 92° 46' 06" E, 344-402m (188-220 fms.); frequently found in the Andaman Sea at about 457 m (250 fms.).
1893. *Dictyaster xenophilus* : Alcock, A. *Ann. Mag. nat. Hist.*, (6)XI : 113. Andaman Sea, 311 m (170 fms.) to 530 m (290 fms.). The genus *Dictyaster* was instituted for the reception of two Andaman forms, *Dictyaster xenophilus* from deep water and *Dictyaster woodmasoni* a littoral form recently discovered in Prof. Wood-Mason's rich Andaman collection.
1996. *Dictyaster xenophilus* : Clark, A.M. *Echinoderm Studies*, 5 : 222. Andaman Sea, 311-530 m.
2005. *Dictyaster xenophilus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 45. Andaman Islands.

133. ?*Dictyaster woodmasoni* Alcock

1893. *Dictyaster woodmasoni* Alcock, A. *Ann. Mag. nat. Hist.*, (6)XI : 113. *Dictyaster* Alcock and Wood-Mason. The genus *Dictyaster* was instituted for the reception of two Andaman forms, *Dictyaster xenophilus* from deep water and *Dictyaster woodmasoni* a littoral form recently discovered in Prof. Wood-Mason's rich Andaman collection. *Dictyaster woodmasoni* is a *nomen nudum*, undescribed. No further mention of *Dictyaster woodmasoni* was made.

134. *Echinaster (Echinaster) callosus* von Marenzeller

1895. *Echinaster callosus* von Marenzeller, E. *Denkschr. Akad. Wiss. Wien.*, LXII : 531.
1910. *Echinaster callosus* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 174. South Andamans : Cinque Island, 6° 01' N 81° 16' E, 62 m. (34 fms.).
1971. *Echinaster callosus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 40-41 (distribution), 72 (key).
1983. *Echinaster callosus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 90. Andaman Island.
1996. *Echinaster callosus* : Clark, A.M. *Echinoderm Studies*, 5 : 223. Merits supraspecific distinction from *E. sepositus* according to A.M. Clark, 1987. Sri Lanka, Andaman Islands, Philippine Islands, Indonesia, Solomon and Caroline Islands, shallow-62 m.
2005. *Echinaster callosus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 45. Andaman Islands.

135. *Echinaster (Echinaster) luzonicus* (Gray)

1840. *Othilia luzonica* Gray, J.E. *Ann. Mag. nat. Hist.*, **6**(37) : 282.
1938. *Echinaster purpureus* : Domantay, J.S. and Roxas, H.A. *Philipp. J. Sci.*, **65** : 230. [non : *E. purpureus* (Gray)].
1969. *Echinaster luzonicus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 54. Tamil Nadu : Gulf of Mannar (Mandapam, Tuticorin).
1971. *Echinaster luzonicus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 40-41 (distribution) and 72 (key).
1977. *Echinaster luzonicus* : Soota, T.D. and Sastry, D.R.K. *Newsl. zool. Surv. India*, **3**(4) : 168.
1979. *Echinaster luzonicus* : Soota, T.D. and Sastry, D.R.K. *Rec. zool. Surv. India*, **74** : 345. Variations in the subambulacral spines, madreporites in *E. luzonicus* and *E. purpureus* discussed. Gujarat : Gulf of Kachchh (Beyt Island); Andamans: *Investigator* St. 222. Off North Andaman, 13° 27' N 93° 14' 30'' E, 741 m (405 fms. as per Station List); Nicobars : Kamorta. Maldives : Horseburgh Atoll, Mar. Surv., 22.10.1923, 1 spec..
1996. *Echinaster (Echinaster) luzonicus* : Clark, A.M. *Echinoderm Studies*, **5** : 224. With synonym *E. eridanella* Müller and Troschel [non : Koehler, 1910, = probably *E. purpureus* (Gray)]. Philippine Islands, Parcel (Xisha) Islands, Caroline Islands and North Australia; Gulf of Kachchh, Maldives and Bay of Bengal according to T.D. Soota and D.R.K. Sastry, 1979, 0-45 m.
2004. *Echinaster luzonicus* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat*, p. 191. Gujarat : Gulf of Kachchh (Beyt Island).
2005. *Echinaster (Echinaster) luzonicus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 45. Andaman and Nicobar Islands.

136. *Echinaster (Echinaster) purpureus* (Gray)

1840. *Othilia purpurea* Gray, J.E. *Ann. Mag. nat. Hist.*, **6**(37) : 282.
1888. *Echinaster purpureus* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1895. *Echinaster purpureus* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3**(II) : 114. Tamil Nadu : Gulf of Mannar (Tuticorin).
1910. *Echinaster eridanella* : Koehler, R. *Echinoderma of the Indian Museum. Part VI* : 174. Orissa : 5 miles S of Ganjam. 46 m (25 fms.).
1971. *Echinaster purpureus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 40-41 (distribution), 73 (key).
1977. *Echinaster purpurea* : Soota, T.D. and Sastry, D.R.K. *Newsl. zool. Surv. India*, **3**(4) : 168. Preliminary report on the variations in *luzonicus* and *purpureus*.
1979. *Echinaster purpurea* : Soota, T.D. and Sastry, D.R.K. *Rec. zool. Surv. India*, **75** : 343. Gujarat : Gulf of Kachchh (Okha, Three miles SE of Okha, Beyt Island). Suez Canal, Mauritius.
1983. *Echinaster purpureus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Nicobar, 5 m.

1985. *Echinaster purpureus* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Echinaster purpureus* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1996. *Echinaster (Echinaster) purpureus* : Clark, A.M. *Echinoderm Studies*, **5** : 225. [non : *E. purpureus* : Domantay and Roxas, 1938 : 230, = *E. luzonicus* (Gray)]. Indian Ocean, 0-10 m.
2004. *Echinaster purpureus* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat*, p. 192. Gujarat : Gulf of Kachchh (Okha, Beyt Island).
2005. *Echinaster (Echinaster) purpureus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 46. Nicobar Islands.

Material : Other localities : Suez Canal, 1 spec.; Mauritius, 2 specs, Maldives : Horseburgh Atoll, Mar. Surv., 22.10.1923, 1 spec.

137. *Henricia mutans* (Koehler)

1893. *Cribrella praestans* : Alcock, A. *Ann. Mag. nat. Hist.*, (6)**XI** : 112. [non : *Cribrella praestans* Sladen, W.P. 1889 : 515]. Andaman Sea, 439 m (240 fms.) to 878 m (480 fms.).
1909. *Cribrella mutans* Koehler, R. *Echinoderma of the Indian Museum, Part V* : 112. Andaman Islands. 878 m (480 fms.).
1983. *Cribrella mutans* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Andaman Island.
1996. *Henricia mutans* : Clark, A.M. *Echinoderm Studies*, **5** : 236. Andaman area, 880 m.
2005. *Henricia mutans* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 46. Andaman Islands.
2005. *Cribrella praestans* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 44. Probably *Cribrella mutans* (i. e. *Henricia mutans*) according to Koehler (1909 : 115). Andaman Islands.

Remark : Koehler finds close resemblances between his *mutans* from Andaman Sea and Sladen's *praestans* from Antarctic area, and distinguishes them by several different characters and also by the geographical occurrence. Presumably *Henricia praestans* by Alcock, 1893 from Andaman Sea (as *Cribrella praestans*) is also *Henricia mutans* (Koehler). A.M. Clark (1996 : 239) gave the range of occurrence of *Cribrella praestans* as Off Crozet Is, Southern Ocean, 384 m. and did not mention Andamans obviously because of Alcock's wrong identification.

Family METRODIRIDAE 138. *Metrodora subulata* Gray

1840. *Metrodora subulata* Gray, J.E. *Ann. Mag. nat. Hist.*, **6**(37) : 282.
1910. *Metrodora subulata* : Koehler, R. *Echinoderma of the Indian Museum, Part VI* : 172. Orissa : 4 miles S of Ganjam, 46 m (25 fms.); Andaman Islands.
1969. *Metrodora subulata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 53. Tamil Nadu : Gulf of Mannar (Tuticorin).

1971. *Metrodira subulata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 39-40 (distribution), 57 (key).
1978. *Metrodira subulata* : Julka, J.M. and Das, Sumita. *Mitt. Zool. Mus. Berlin*, **54**(2) : 349. Nicobars : Kamorta.
1983. *Metrodira subulata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89. Andaman island.
1987. *Metrodira subulata* : James, D.B. *J. mar. biol. Ass.*, **25** : 102 (1983). Tamil Nadu : Chennai.
1996. *Metrodira subulata* : Clark, A.M. *Echinoderm Studies*, **5** : 243. The genus *Metrodira* transferred from Family Metrodiridae to Family Echinasteridae. Metrodiridae is a synonym of Echinasteridae according to Blake (1980 : 165, 173, 181). Philippine Islands, Sri Lanka and Bay of Bengal to East Indies and North Australia, shallow- c. 90 m.
2001. *Metrodira subulata* : Clark, A.M. *Echinoderm Studies*, **6** : 340. Retained in the Family Metrodiridae restored from the synonymy of Echinasteridae by Liao, Y. and Clark, A.M., 1995 (1996), *The Echinoderms of southern China*. p. 134 Science Press, Beijing, New York. 614 pp. and extension of range from the Philippines and elsewhere to vicinity of Hainan and Taiwan Strait.
2005. *Metrodira subulata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 46. Andaman and Nicobar Islands.

Order FORCIPULATIDA
Family ZOROASTERIDAE

139. *Cnemidaster squameus* (Alcock)

1893. *Zoroaster squameus* Alcock. *A. Ann. Mag. nat. Hist.*, (6)**XI** : 109. Lakshadweep Sea, 1907 m (1043 fms.).
2001. *Cnemidaster squameus* : Clark, A.M. and Mah, C. *Echinoderm Studies*, **6** : 231. Lakshadweep Sea and Off Aden, 1900-2000 m.

140. *Zoroaster adami* Koehler

1909. *Zoroaster adami* Koehler, R. *Echinoderma of the Indian Museum*, Part V : 108. *Investigator* St. 331. Off South Andamans, 11° 46' 30'' N 93° 16' E, 1041 m. (569 fms.).
2001. *Zoroaster adami* : Clark, A.M. and Mah, C. *Echinoderm Studies*, **6** : 233. Andaman Sea, 1040 m.
2005. *Zoroaster adami* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 47. Off South Andaman Islands.

141. *Zoroaster alfredi* Alcock

1893. *Zoroaster alfredi* Alcock. *A. Ann. Mag. nat. Hist.*, (6)**XI** : 102. Bay of Bengal, (?Off Chennai, Tamil Nadu) 2377-2524 m. (1300-1380 fms.).
1894. *Zoroaster alfredi* : Alcock, A. *Journ. Asiat. Soc. Beng.*, **62** (Part II, no. 4) : 173. Bay of Bengal, 1095 m (599 fms.). Location corresponds to *Investigator* Station 139. Off Andhra Pradesh, 15° 25' 06'' N 80° 25' 07'' E of the season.
1951. *Zoroaster alfredi* : Madsen, F.J. *Rep. Sweedish deep-sea Exped. II (Zoology)* No., **6** : 91.

2001. *Zoroaster alfredi* : Clark, A.M. and Mah, C. *Echinoderm Studies*, **6** : 233. Bay of Bengal and Arabian Sea. 2380-3350 m.

142. *Zoroaster angulatus* Alcock

1893. *Zoroaster angulatus* Alcock, A. *Ann. Mag. nat. Hist.*, (6)**XI** : 105. Lakshadweep Sea. 1289 m (705 fms.); Tamil Nadu : Gulf of Mannar. 1092 m. (597 fms.).
2001. *Zoroaster angulatus* : Clark, A.M. and Mah, C. *Echinoderm Studies*, **6** : 233. Tamil Nadu : Gulf of Mannar; Maldives-Lakshadweep area, 910-1460 m.

143. *Zoroaster barathri* Alcock

1893. *Zoroaster barathri* Alcock, A. *Ann. Mag. nat. Hist.*, (6)**XI** : 103. Bay of Bengal (?Off Chennai, Tamil Nadu), 2780 m. (1520 fms.).
1894. *Zoroaster barathri* : Alcock, A. *Journ. Asiat. Soc. Beng* **62** (Part II, no. 4) : 173. Bay of Bengal. 1095 m (599 fms.). Location corresponds to *Investigator* Station 139. Off Andhra Pradesh. 15° 25' 06" N 80° 25' 07" E of the season.
2001. *Zoroaster barathri* : Clark, A.M. and Mah, C. *Echinoderm Studies*, **6** : 233. Bay of Bengal, 2780m.

144. *Zoroaster carinatus* Alcock

1893. *Zoroaster carinatus* Alcock, A. *Ann. Mag. nat. Hist.*, (6)**XI** : 107. Andaman Sea, 238-457 m (130-250 fms.).
1983. *Zoroaster carinatus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Andaman Island. 237-437 m.
2001. *Zoroaster carinatus* : Clark, A.M. and Mah, C. *Echinoderm Studies*, **6** : 233. With synonym *Zoroaster carinatus philippinensis* Fisher, 1916. Andaman Sea, Off Reunion I., S China Sea, Borneo. 180-1120 m.
2005. *Zoroaster carinatus* : Sastry, D.R.K. *Rec. zool. Surv. India. Occ. Paper No.*, **233** : 47. Off Andaman Islands.

145. *Zoroaster gilesii* Alcock

1893. *Zoroaster gilesii* Alcock, A. *Ann. Mag. nat. Hist.*, (6)**XI** : 108. Andaman Sea. 896-914 m. (490-500 fms.).
1983. *Zoroaster gilesii* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Andaman Island, 915m.
2001. *Zoroaster gilesii* : Clark, A.M. and Mah, C. *Echinoderm Studies*, **6** : 234. Andaman Sea, c. 900 m.

146. *Zoroaster planus* Alcock

1893. *Zoroaster planus* Alcock, A. *Ann. Mag. nat. Hist.*, (6)**XI** : 104. Lakshadweep Sea. 2195 m. (1200 fms.).
2001. *Zoroaster planus* : Clark, A.M. and Mah, C. *Echinoderm Studies*, **6** : 235. Lakshadweep Sea. 2200m.

147. *Zoroaster zea* Alcock

1893. *Zoroaster zea* Alcock. A. Ann. Mag. nat. Hist., (6)XI : 110. Lakshadweep Sea, 2195 m. (1200 fms.); Tamil Nadu : Gulf of Mannar, 1092 m. (597 fms.).
2001. *Zoroaster zea* : Clark, A.M. and Mah, C. *Echinoderm Studies*, 6 : 235. S India, 1090 m.

147a. *Zoroaster* sp.

1891. *Zoroaster* sp. Wood-Mason, J. and Alcock, A. Ann. Mag. nat. Hist., (6)VIII : 436. St. 108. Lakshadweep Sea (Kerala Coast), 7° 04' N 76° 34' 15" E. 1907 m (1043 fms.) [= ?*Zoroaster squameus* i. e. *Chemidaster squameus* (Alcock, 1903)].

Family PEDICELLASTERIDAE

148. *Pedicellaster atratus* Alcock

1893. *Pedicellaster atratus* Alcock. A. Ann. Mag. nat. Hist., (6)XI : 114. Andaman Sea, 439-402 m (240-220 fms.); Bay of Bengal, 530 m (290 fms.).
2001. *Pedicellaster atratus* : Clark, A.M. and Mah, C. *Echinoderm Studies*, 6 : 239. Andaman Sea, Bay of Bengal, 400-530 m.
2005. *Pedicellaster atratus* : Sastry, D.R.K. Rec. zool. Surv. India, Occ. Paper No., 233 : 47. Andaman and Nicobar Islands.

Family ASTERIIDAE

149. *Scleraasterias mazophora* (Wood-Mason and Alcock)

1891. *Asterias mazophorus* Wood-Mason, J. and Alcock, A. Ann. Mag. nat. Hist., (6)VIII : 436. Investigator St. 115. Off South Andamans, 11° 31' 40" N 92° 46' 06" E. 344-402 m (188-220 fms.).
1893. *Asterias mazophorus* : Alcock, A. Ann. Mag. nat. Hist., (6)XI : 115. Andaman Sea, 219-457 m. (120-250 fms.).
1983. *Asterias mazophores* (sic!) : James, D.B. Bull. cent. mar. Fish. Res. Inst. No., 34 : 90. Andaman Island, 457 m.
2001. *Scleraasterias mazophora* : Clark, A.M. and Mah, C. *Echinoderm Studies*, 6 : 298. Probably with synonym *S. nitida* Koehler, 1910 and forms *euplecta* (Fisher, 1906) and *hypacantha* (Fisher, 1917). Bay of Bengal, Gulf of Aden, also probably the Philippines and Hawaiian Is. 220-550 m.
2005. *Scleraasterias mazophora* : Sastry, D.R.K. Rec. zool. Surv. India, Occ. Paper No., 233 : 47. Off South Andaman Islands.

150. *Sclerasterias nitida* Koehler

1910. *Sclerasterias nitida* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 176. Investigator St. 220. Off Middle Andamans, 13° 16' 30" N 93° 08' E. 144 m. (79 fms.).
2001. *Sclerasterias nitida* : Clark, A.M. and Mah, C. *Echinoderm Studies*, 6 : 298. Probably a juvenile of *S. mazophora* (Wood-Mason and Alcock, 1891) according to Fisher, 1928.
2005. *Sclerasterias nitida* : Sastry, D.R.K. Rec. zool. Surv. India, Occ. Paper No., 233 : 48. Off Middle Andaman Islands

Order BRISINGIDA
Family BRISINGIDAE

151. *Brisinga andamanica* Wood-Mason and Alcock

1891. *Brisinga andamanica* Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)VIII : 439. Investigator St. 116. Off South Andamans. 11° 25' 05'' N, 92° 47' 06'' E. 741m (405 fms.).
1893. *Brisinga andamanica* Alcock, A. *Ann. Mag. nat. Hist.*, (6)XI : 118. Investigator St. 116. Off South Andamans. 741m. (405 fms.).
1983. *Brisinga andamanica* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 90. Andaman Island.
2001. *Brisinga andamanica* : Clark, A.M. and Mah, C. *Echinoderm Studies*, 6 : 313. Andaman Sea, 810m.
2005. *Brisinga andamanica* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 48. Andaman Islands.

152. *Brisinga bengalensis* Wood-Mason and Alcock

1891. *Brisinga bengalensis* Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)VIII : 439. Investigator St. 112. West of North Andamans, 13° 47' 30'' N 92° 36' E, 1026 m (561 fms.).
1893. *Brisinga bengalensis* : Alcock, A. *Ann. Mag. nat. Hist.*, (6)XI : 119. Bay of Bengal. 1026 m (561 fms.).
2001. *Brisinga bengalensis* : Clark, A.M. and Mah, C. *Echinoderm Studies*, 6 : 313. Bay of Bengal. 1122m.
2005. *Brisinga bengalensis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 48. Andaman Islands.

153. *Brisinga gunni* Alcock

1893. *Brisinga gunni* Alcock, A. *Ann. Mag. nat. Hist.*, (6)XI : 120. Karnataka : Off Konkan Coast, 1022m (559 fms.).
2001. *Brisinga gunni* : Clark, A.M. and Mah, C. *Echinoderm Studies*, 6 : 314. Indian Ocean, off Konkan Coast, 1118 m.

154. *Brisinga insularum* Wood-Mason and Alcock

1891. *Brisinga insularum* Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)VIII : 439. Kerala : Investigator St. 108. Lakshadweep Sea (off Kerala Coast), 7° 04' N 76° 34' 15'' E, 1907 m (1043 fms.).
1893. *Brisinga insularum* : Alcock, A. *Ann. Mag. nat. Hist.*, (6)XI : 117. Kerala : Lakshadweep Sea. 1907m (1043 fms.).
2001. *Brisinga insularum* : Clark, A.M. and Mah, C. *Echinoderm Studies*, 6 : 314. Lakshadweep Sea. 2086m.

155. *Brisinga panopla* Fisher

1906. *Brisinga panopla* Fisher, W.K. *The starfishes of the Hawaiian Islands*. Part 3 : 1109.

1909. *Brisinga panopla* : Kochler, R. *Echinoderma of the Indian Museum*, Part V : 117. *Investigator* St. 334. Tamil Nadu : Gulf of Mannar, SE of Kanniyakumari, 6° 57' N, 79° 33' E. 1039 m. (568 fms.), (near the border of Sri Lanka).
2001. *Brisinga panopla* : Clark, A.M. and Mah, C. *Echinoderm Studies*, 6 : 314. Hawaii to Indian Ocean (Arabian Sea). Nihau Island, South coast of Molokai Island, vicinity of Kauai Island, Arabian Sea vicinity of Sri Lanka. 600-1136 m.

156. *Brisinga parallela* Koehler

1909. *Brisinga parallela* Koehler, R. *Echinoderma of the Indian Museum*, Part V : 118. *Investigator* St. 334. Tamil Nadu : If of Mannar, SE of Kanniyakumari, 6° 57' N, 79° 33' E. 1039m (568 fms.), (close to border of Sri Lanka).
2001. *Brisinga parallela* : Clark, A.M. and Mah, C. *Echinoderm Studies*, 6 : 315. Indian Ocean / Philippines : Indian Ocean/Arabian Sea off Sri Lanka. 1136 m.

157. *Stegnobrisinga gracilis* (Koehler)

1909. *Brisinga gracilis* Koehler, R. *Echinoderma of the Indian Museum*, Part V : 115. *Investigator* St. 310. Off North Andamans, 13° 29' 30'' N 92° 25' E. 1756 m (960 fms.).
2001. *Stegnobrisinga gracilis* : Clark, A.M. and Mah, C. *Echinoderm Studies*, 6 : 316. Indian Ocean/ Philippines : Bay of Bengal east of Andaman Islands. 1920 m.
2005. *Stegnobrisinga gracilis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 48. Off North Andaman Islands.

Family FREYELLIDAE

157a. *Freyastera benthophila* (Sladen)

1889. *Freyella benthophila* Sladen, W.P. *Rep. Challenger Zool.*, XXX : 641.
1891. *Freyella benthophila* : Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)VIII : 430. *Investigator* St. 110. Bay of Bengal, 9° 34' N 85° 43' 15'' E. 3652 m (1997 fms.); *Investigator* St. 118. Bay of Bengal, 12° 20' N 85° 08' E. 3297 m (1803 fms.).
1893. *Freyella benthophila* : Alcock, A. *Ann. Mag. nat. Hist.*, (6)XI : 121. Bay of Bengal, 2780 m (1520 fms.) to 3652 m (1997 fms.).
1951. *Freyella benthophila* : Madsen, F.J. *Rep. Sweedish deep-sea Exped. II (Zoology)* no. 6 : 84.
2001. *Freyastera benthophila* : Clark, A.M. and Mah, C. *Echinoderm Studies*, 6 : 318. South Pacific, E Pacific off California up to Oregon, Washington Pacific Northwest, Bay of Bengal, north to mid-Atlantic (between Azores and Spain), Bay of Biscay, Gulf of Gascogne, 4250-5000 m.

157b. *Freyastera tuberculata* (Sladen)

1889. *Freyella tuberculata* Sladen, W.P. *Rep. Challenger Zool.*, XXX : 638.
1893. *Freyella tuberculata* : Alcock, A. *Ann. Mag. nat. Hist.*, (6)XI : 121. Bay of Bengal, 3365 m (1840 fms.).

1951. *Freyella tuberculata* : Madsen, F.J. *Rep. Sweedish deep-sea Exped. II* (Zoology) no. 6 : 84.
2001. *Freyastera tuberculata* : Clark, A.M. and Mah. C. *Echinoderm Studies*, 6 : 319. Eastern Atlantic (22° N to 3° S); also Bay of Bengal and E. Pacific, 3365-5618 m.

158. *Freyella indica* Koehler

1909. *Freyella indica* Koehler, R. *Echinoderma of the Indian Museum*, Part V : 126. *Investigator* St. 251. Off South Andamans, 10° 36' 30'' N 93° 40' 15'' E, 2917-2966 m (1595-1622 fms.).
2001. *Freyella indica* : Clark, A.M. and Mah. C. *Echinoderm Studies*, 6 : 321. Bay of Bengal, 2552-2592 m [3190-3244? in Koehler].
2005. *Freyella indica* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 49. Andaman Islands.

Class OPHIUROIDEA
Order PHRYNOPHIURIDA
Family OPHIOMYXIDAE

1. *Ophiomyxa australis* Lütken

1869. *Ophiomyxa australis* Lütken, C. *K. danske Vidensk Selsk. Skr.*, 5(8) : 45, 99.
1897. *Ophiomyxa bengalensis* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 363. Andamans.
1898. *Ophiomyxa brevispina* Martens var. *irregularis* Koehler, R. *Bull. scient. Fr. Belg.*, 31 : 111. Andamans. Sri Lanka : Galle, 62 m (34 fms.); Coast S of Sri Lanka, 59 m (32 fms.); Trincomale, 51 m (28 fms.).
1899. *Ophiomyxa bengalensis* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 69.
1922. *Ophiomyxa bengalensis* : Koehler, R. *U.S. natn. Mus. Bull.*, 100 (Vol. 5) : 17.
1969. *Ophiomyxa australis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 54. Lakshadweep : Minicoy.
1971. *Ophiomyxa australis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 78-79 (distribution) and 92 (key).
1978. *Ophiomyxa australis* : Cherbonnier, G. and Guille, A. *Echinodermes : Ophiurides, Faune de Madagascar*, 48 : 18.
1983. *Ophiomyxa bengalensis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 91. Andaman Islands, 316-457 m.
1983. *Ophiomyxa brevispina* var. *irregularis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 91. Andaman Island, 51-65 m.
1983. *Ophiomyxa australis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 91. Middle Andaman, intertidal.
1991. *Ophiomyxa australis* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 375. Lakshadweep : Minicoy.
2005. *Ophiomyxa australis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 49. Andaman Islands.

Material : Orissa : Ganjam coast.

2. *Ophiophrixus confinis* Koehler

1922. *Ophiophrixus confinis* Koehler. R. Bull. U.S. natn. Mus., **100**(5) : 30.
 1981. *Ophiophrixus confinis* : Guille, A. *Memoires ORSTOM*, **91** : 423. 13° 50' 30'' N 120° 28' E. 484-448 m.
 1981. *Ophiophrixus confinis* : Sastry, D.R.K. *Curr. Sci.*, **50**(12) : 554. Andamans : Off the west coast of Andamans, 402-439 m (220-240 fms.), probabbly *Investigator* St. 56. Between North and South Sentinel Islands of South Andamans.
 2005. *Ophiophrixus confinis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 49. South Andaman Islands.

Family ASTERONYCHIDAE

3. *Astronyx loveni* Müller and Troschel

1842. *Astronyx loveni* Müller and Troschel. *System der Asteriden*, p. 119.
 1897. *Astronyx loveni* : Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 370. Lakshadweep, 742 m (406 fms.).
 1899. *Astronyx loveni* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 74. Lakshadweep.
 1904. *Astronyx loveni* : Koehler, R. *Siboga Exped. Monogr.*, **45a** : 167.
 1965. *Astronyx loveni* : Clark, A.M. *Bull. Br. Mus. nat. Hist. (Zool.)*, **13**(2) : 68.

Family EURYALIDAE

4. *Asteromorpha flosculus* (Alcock)

1893. *Asteroschema flosculus* Alcock, A. *J. Asiat. Soc. Bengal*, **62**(4) : 173. Andhra Pradesh : 55 miles NE of Chennai, 14° 11' 06'' N 80° 24' E. 161 m (88 fms.).
 1911. *Asteroschema flosculum* : Döderlein, L. *Abh. bayer Akad. Wiss. Suppl. Vol.*, **II**(5) : 111.
 2005. *Asteromorpha flosculus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 50. Andaman Islands. New Combination. Based on the inner ventral arm spine longer than the outer, as restricted by Fell (1960), the species was refreced to *Asteromorpha*. Other material : Myanmar. Mergui Archipelago, 113 m and 119 m.

Material : Andamans, one specimen; other localities: *Investigator* Station 532. Myanmar : Mergui Archipelago, 12° 15' 20'' N 97° 10' 10'' E, 113 m (62 fms), R.I.M.S. *INVESTIGATOR*, 16.4.1913, one specimen; *Investigator* Station 535. Myanmar : Mergui Archipelago, 13° 04' 30'' N 96° 44' E. 119 m (65 fms.). 17.4.1913, one specimen.

Description : Disc diameter five to 10 mm. Arms five, simple, equal, seven to 10 times as long as the disc diameter. Disc and arms covered by granulated skin. Radial shields longer than broad, covered by granulated skin. Arm segments with dorsolateral ridges bearing high granules. Lateral arm plates reduced, narrow, and widely separated by ventral arm plates; arm spines two, inner spine longer than the outer, distally modified into hooks with a flat

lamina bearing serially arranged perforations and a secondary tooth. Oral plates long and diverging; adoral plates circular to ovate; no oral shields. No ventral disc plates. Distal vertebrae with ventral furrow closed.

Remarks : Among the genera with simple arms the genus *Asteromorpha* is differentiated by the inner ventral arm spine longer than the outer from the other two genera *Asterostegus* and *Astroceras* in which the arm spines are of equal size (Fell, 1960). An examination of the type specimens revealed that the inner arm spine is longer than the outer spine. Hence the species is here transferred to *Asteromormpha*. Dr. Alan N. Baker during his visit to Zoological Survey of India examined the material and approved the transfer.

Distribution : The species is so far known only from the Bay of Bengal. The types were collected from a coral bank about 55 miles N by E of Chennai (erstwhile Madras), 14° 11' 06" N 80° 24' E, 161 m (88 fms.). The present material represents new records from the Andaman Islands of India and Mergui Archipelago of Myanmar.

4a. *Trichaster acanthifer* Döderlein

1911. *Trichaster palmiferus* Döderlein, L. *Abh. bayer Akad. Wiss. Suppl.* Vol., II (5), (pl. IX fig. 5 only).

1927. *Trichaster acanthifer* Döderlein, L. *Abh. bayer Akad. Wiss.*, 3 : 27.

1930. *Trichaster acanthifer* : Setna, S.B. *Rec. Indian Mus.*, 32 : 431.

Additional Material : *Investigator* Station 553. Off Myanmar 12° 49' 15" N 98° 16' 45" E, 49 m (27 fms.), 23.10.1913, one specimen; *Investigator* Station 554. Off Myanmar, 12° 47' 30" N 98° 15' 30" E, 44 m (24 fms.), 23.10.1913, one specimen.

Description : The specimen from Station 554 measures 18 mm in disc diameter with disc and arms invested in thick skin with fine granulation. No primary disc plates. Radial shields 8 mm long with a spine at the distal end, two large plates in the dorsal interradial disc margin and one or two irregular transverse rows of four to eight smaller plates in each radius distal to the radial shields. Oral plates long, broader distally and narrow proximally; seven teeth with rounded or bluntly pointed tip, in a single vertical row; no tooth papillae, four or five lateral papillae continuing as granules along the jaw angles; adoral shields ovate, longer than broad; an irregular transverse row of small plates distal to the adoral shields. Arms at least four times as long as the disc diameter till the first forks which have 35 to 55 segments; dorsolateral ridges with a series of spines on alternate segments; sides proximally with three vertical series of plates – middle of larger plates, distally with two series of equal sized plates; ventral arm plates, except for the first two, divided into two or three plates; ventral furrow of the vertebrae closed in 17th-19th segments; ventral arm spines two, rarely three, beginning from the third segment, tips rugose. Madreporites small, one in each interbrachium, separated from the adoral shields by plates. Genital slits two in each interbrachium, well separated, opening with granular papillae.

The specimen from Station 553 is hexamerous measuring 10.5 mm between opposite arms and 8 mm interradially, with six jaws, six arms and 11 radial shields, the odd one situated interbrachially with a forked tip – the two limbs pointing towards two arms. and two interradiial plates at the dorsal disc margin. Ventral disc plates distal to the adoral shields consist of two or three irregular series. The ventral furrow of the vertebrae is closed in the fifth and sixth segments in two arms respectively and open till 11th intact segment in the remaining four arms.

Remarks : Döderlein (1911) considered *Trichaster elegans* (Ludwig) (= *Trichaster flagellifer* von Martens, Döderlein, 1930) as not distinct from *Trichaster palmiferus* (Lamarck). Based on the observations of Bomford (1913) and his own observations, Döderlein (1927) held them separate and described *Trichaster acanthifer* for a specimen reported earlier as *Trichaster palmiferus* (Döderlein, 1911, pl. IX figs 7 and 8). Setna (1930) studied representatives of the above three nominal species and differentiated them primarily from the nature of the interradiial disc region, shape of the arms in cross section, occurrence of tubercles or spines on the radial shields and along the dorsolateral edges of arms, and proximity of genital slits.

The specimen of *T. palmiferus* from Hong Kong observed by both Bomford (1913) and Setna (1930) has two interradiial plates in the dorsal disc margin, no ventral plates distal to adoral shields, arms with only high dorsolateral edges and only a single series of large plates on the sides of each arm segment. Thus *T. acanthifer* differs from the former in having ventral disc plates distal to adoral shields, distinct spines on the radial shields and along the dorsolateral edges of arms and two or three vertical series of plates on the sides of each arm segment. The absence of tubercles or spines on the radial shields and arms in *T. flagellifer* suggests the species is nearer to *T. palmiferus*.

Setna (1930) reported eight specimens from Station 548. Myanmar : Mergui Archipelago, 12° 49' 23" N 98° 23' 30" E, 42 m (23 fms.), five from Station 549. Myanmar : Mergui Archipelago, 12° 48' N 98° 16' 10" E, 44 m (24 fms.) and nine from Station 554. Myanmar, 12 47' 30" N 98 15' 30" E, 44 m (24 fms.), all under Reg. No. p 491/1 and stated the discs to range from 10 mm to 22 mm in diameter. The register shows five specimens from Station 548 (P 1122/1), 17 from Station 549 (P 491/1) and six from Station 554 (P 1123/1). Further, the register also shows that one specimen was exhibited in the invertebrate gallery of the Indian Museum and one sent to Dr. T. Mortensen. At present, there are four specimens (in one specimen, two arms and one jaw were cut away and missing) from Station 548, 16 from Station 549 and eight from Station 554, indicating mixing up of the material. This however, need not cause any concern since the three stations are located near on another. Among these 28 specimens, there are two specimens measuring 7 mm in disc diameter. An examination of the vertebrae in 12 of these specimens and the two reported here revealed a great deal of variation in the closure of the ventral furrow as shown below:

Spec. No.	Disc Diameter (mm)	First vertebra with closed ventral furrow in different arms				
1.	7.0	4	4	5	6	(7)
2.	7.0	3				
3.	10.0	10	10			
4.	10.5	5	6	(4-11 in four arms)		
5.	11.0	11				
6.	12.0	10				
7.	12.0	11	13			-
8.	15.0	16	17	20	(14)	(17)
9.	16.0	13	14			
10.	16.0	15	15	15	(13)	(150)
11.	17.0	11	12	13	14	17
12.	18.0	17	18	19	19	19
13.	18.0	23	23	24	(15)	(18)
14.	20.0	15	15	16	16	17

N.B. Specimens 4 (hexamerous specimen) and 12 are from the present material and the rest are from the named collection. Figures in parentheses indicate distalmost intact segment with open ventral furrow, and '-' indicates that the remaining arms were not examined.

Mortensen (1933b) similarly found in *Trichaster palmiferus* (Lamarck) the ventral furrows to remain open in 17th to 18th segments in adults and closed already in the second segment in a small specimen measuring 4 mm in disc diameter and opined "either there must be much variation in this character in the adult or (what does not seem probable) the closing of the ventral furrow of the vertebrae may perhaps disappear again in the proximal part of the arm"

Motsumoto (in Mortensen, 1933b, p. 6) noted four pairs of gonads to enter the arms in *T. palmiferus* and Mortensen (1933b, p. 6) states that in all other trichasterids (i.e. euryalids) only one pair enters the arms and in *Trichaster* the gonad extends to about the middle of the arm. However, in the specimens of *T. acanthifer* reported by Setna (1930) four to six strands enter the arms but only one or two strands extend far into the arm just short of the first fork. The specimen of *T. palmiferus* from Hong Kong measures 32 mm in disc diameter and the arms measure 20 mm in breadth and 16 mm in height at the base providing a tube of only 5 mm width and 2 mm height for 4-6 slender ribbon-like gonads adhering to the walls. In contrast, in a specimen of *T. acanthifer* measuring 14 mm in disc diameter and arms measuring 6 mm in width and 5 mm in height, the tube is 3.5 mm wide and 2 mm high and is tightly packed with 4-6 strands of gonad.

Family GORGONOCEPHALIDAE

5. *Astroboa clavata* (Lyman)

1861. *Astrophyton clavata* Lyman, T. *Proc. Boston Soc. nat. Hist.*, **8** : 85.
1895. *Astrophyton clavatum* : Thurston, E. *Madras Govt. Mus. Bull.* No., **3(II)** : 115. Tamil Nadu : Gulf of Mannar (Tuticorin).
1927. *Astroboa clavata* : Döderlein, L. *Abh. bayer. Akad. wiss.*, **31(6)** : 38. 94.
1969. *Astroboa clavata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.* No., **7** : 54. Tamil Nadu : Gulf of Mannar (Tuticorin).
1971. *Astroboa clavata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*. 78-79 (distribution) and 92 (key).
1985. *Astroboa clavata* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Astroboa clavata* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*. 1985., **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.

6. *Astroboa nuda* (Lyman)

1874. *Astrophyton nudum* Lyman, T. *Bull. Mus. comp. Zool. Harvard*, **3(10)** : 251.
1898. *Astroboa clavatum* : Kochler, R. *Bull. scient. Fr. Belg.*, **31** : 116. [non : *Astrophyton clavatum* Lyman, 1861].
1927. *Astroboa nuda* : Döderlein, L. *Abh. bayer. Akad. wiss.*, **31(6)** : 43. 95.
1971. *Astroboa nuda* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*. 78-79 (distribution) and 92 (key).
1978. *Astroboa nuda* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 17.
1980. *Astroboa nuda* : Baker, A.N. *N.Z. Jl Zool.*, **7** : 60.
1988. *Astroboa nuda* : James, D.B. In : M.F. Thompspon *et al.* *Marine Biodeterioration*, p. 237. Tamil Nadu : Parangipettai.

Additional Material : Investigator Station 549. Off Myanmar, 12° 48' N 98° 16' 10" E. 44 m (24 fms.), bottom : mud, sand and shell, 21.10.1913, one specimen.

Description : Disc deeply excavated interradially. disc radius 17 mm radially and 8 mm interradially; covered by skin with uniform and fine granulation both dorsally and ventrally; radial shields almost as long as the disc radius. broader distally, tapering and converging towards the centre of the disc which is much depressed, extending up to the first fork of the arms. Arms as broad as high; ventral surface not unusually widened; first fork immediately at the disc margin; six segments before the first fork; arm spines beginning after the fourth fork. three small spines on each lateral arm plate. proximally bluntly pointed, distally modified into toothed hooks; double belts of hooked granules on dorsal and lateral surfaces of arms contrasting sharply with the flat granulation of the skin; girdle hooklets with a secondary tooth. Oral plates with five teeth, flat with rounded tips, in a single vertical series, much

larger than the tooth and lateral papillae; tooth papillae small, pointed, four or five, crowded at the tip of the oral plate. lateral papillae many, small, pointed, in three or four rows. Tentacles two pairs in each oral slit. Madreporite single, located in the soft ventral interbrachium, close to the oral region.

Remarks : The species includes two colour varieties, namely *nigra* Döderlein with uniform dark colouration and *elegans* (Koehler) with discontinuous dorsal median line darker than in the nominate variety. The present specimen has lost its colouration but the teeth are broader and larger than the tooth and lateral papillae as in the var. *elegans* as noted by Döderlein (1927).

There are three more specimens in the named collection labeled *Astrophyton clavatum* and *Astrophyton clavata* from Hanjim Island, Strait of Ormuz (Hormuz), Persian Gulf, 10 fms. The radius of the largest specimen is 30 mm radially and 20 mm interradially. These have uniform fine granulation on the disc and arms and the granules of girdle hooklets contrasting with the flat granulation of the skin. Thus these belong to *A. nuda* rather than to *A. clavata*. These specimens also lost all traces of the colour but the teeth are broader and longer than the tooth and lateral papillae as in the present specimen. Two of these specimens were reported by Koehler (1898) as *Astrophyton clavatum* Lyman.

Distribution : Indo-West Pacific. it was earlier recorded from East coast of South Africa, Red Sea and Persian Gulf in the western Indian Ocean and from Japan, Philippines, Sulu, Jolo, Kei and Banda in the western Pacific Ocean. The species is recorded here for the first time from Bay of Bengal in the vicinity of King island of the Mergui Archipelago (Myanmar).

7. *Astrocladus exiguus* (Lamarck)

1816. *Euryale exiguum* Lamarck, J.B.P.A. de. *Hist. nat. anim. s. vert.*, **2** : 539.

1897. *Gorgonocephalus cornutus* Koehler, R. *Ann. Sci. nat. Zool.*, (8)**IV** : 368. Andamans.

1899. *Gorgonocephalus cornutus* : Koehler, R. *Echinoderma of the Indian Museum*, Part **I** : 73.

1905. *Astrophyton cornutum* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 127.

1927. *Astrocladus exiguus* : Döderlein, L. *Abh. bayer. Akad. wiss.*, **31**(6) : 34, 93.

1971. *Astrocladus exiguus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderm.* 78-79 (distribution) and 92 (key).

1978. *Astrocladus exiguus* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 11.

1980. *Astrocladus exiguus* : Baker, A.N. *N.Z. Jl Zool.*, **7** : 63. With synonym *Gorgonocephalus cornutus* Koehler, 1897.

1983. *Gorgonocephalus cornutus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Andaman Island, 74-493 fms..

2005. *Astrocladus exiguus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper, No.*, **233** : 50. Andaman Islands.

Material Other localities : *Investigator* Station 291. Persian Gulf, 26° 22' N 56° 10' E. 88-89 m (48-49 fms.), Date : I.xi.1901, one specimen.

Description : The disc is too much distorted during preservation to measure the diameter exactly. However the radial shields in one pair measure about 9 mm in length. The disc is centrally depressed and deeply excavate in the interradian regions. There is a stout conical tubercle at the distal end of each radial shield; a few small rounded tubercles scattered on the disc, radial shields and dorsal arms and very small spinous granulation all over the disc on the dorsal and ventral sides. The granulation on the arms in general is flat. The arms have six to seven segments before the first fork and the ventral arm spines after the first fork. The arms are broken near the second fork. The single large madreporite is situated near the oral frame at the proximal border of the soft interbrachium.

Distribution : The species was reported from Andamans (Koehler, 1897). Timor (Koehler, 1905), Philippines, Amboina, Kei (Koehler (1930), Taiwan (Formosa), Southern Japan (Döderlein, 1911, 1927) and West Australia (Baker, 1980) in depths ranging from 18 to 494 m. This is the first record of the species from the Persian Gulf extending its distribution westwards.

7a. *Astrothrombus vecors* (Koehler)

1904. *Astrotonia vecors* Koehler. R. Siboga Exped. Monog., 45a : 155.

1915. *Astrothrombus vecors* : Matsumoto. H. Proc. Acad. nat. Sci. Philad. p. 59.

1930. *Astrostephanus vecors* : Döderlein. L. Wiss. Ergeb. d. Tiefsee-Exped., 22(6) : 376.

1960. *Astrostephanus vecors* : Fell. H.B. Zool. Publ. Victoria Univ. Wellington, No. 26 : 9.

1980. *Astrothrombus vecors* : Baker. A.N. N.Z.J. Zool., 7 : 34.

Material : Other localities- *Investigator* Station 333. Southwest of Sri Lanka, 6° 31' N 79° 38' 45" E, 733 m (401 fms.), bottom : soft green mud, 19.4.1904, 10 specs from the gorgonid *Caligorgia* sp.

Description : Disc 12-22 mm in diameter, covered with granulated skin, some granules on the dorsal side high, stumpy and pointed especially at the margin demarcating the flat uniform granulation of the ventral side. Radial shields long, highly arched, broader distally, narrow and converging towards the centre of the disc. Arms simple, about eight times the disc diameter in length; arm segments dorsally covered with skin bearing fine granules and with belts of hooklets. each girdle hooklet with three secondary teeth; lateral arm plates high ventrolaterally, their ventral extensions meeting mid-ventrally; arm spines three or four (rarely five), stout, cylindrical, as long as or longer than the segment, distally modified into hooks with two secondary teeth; ventral arm plates longer than broad, separated from each other by the transverse extensions of the lateral arm plates meeting mid-ventrally. The ventral arm plates are restricted to the middle region of the broad ventral surface and are covered by granules. The region abradial to the ventral arm plates is covered by soft skin

bearing no granules, thus the granulation on ventral side is restricted to the ventral arm plates. Oral shields small, transversely elongate, about three times as broad as long, proximal border almost straight or slightly convex in the middle, distal border convex, madreporic shield large, transversely ovate. Adoral plates almost square shaped, rhombic or slightly longer than broad with rounded corners. Oral plates about four times as long as wide, terminal portion raised. Tooth papillae in a group of about 10, pointed, naked and low near the adoral plates; lateral papillae two or three, small, deep in the oral slit; teeth long, pointed, in a single row. Oral shields, adoral plates and first two ventral arm plates covered with spinous granules forming a peripheral ring surrounding the mouth.

Remarks : According to Koehler (1904 : 156, pl. xxxii fig. 20), in the type specimens from 'Siboga' the ventral arm surface was smooth without granulation and the oral plates shorter. However, Döderlein (1930 : 376, pl. xiv fig. 7b) redescribed the types and gave photographs, which show the oral region and ventral surface of arms as in the present specimens, and transferred to a new genus *Astrostephanus*. Later, Baker (1980) found Döderlein's *Astrostephanus* to be a junior synonymous of *Astrothrombus* H.L. Clark.

Two of the specimens bear one small specimen each measuring 2.5 and 4.5 mm in disc diameter respectively with arms about three to four times the disc diameter. These small specimens are clasping the disc on the ventral interbrachium with their arms inserted into the genital clefts, some entering the cleft on one side of the arm and emerging through the one on the other side of the same arm of the larger specimen. In these two small specimens, the disc is granule covered: ventral surface with peripheral ring of granules around the mouth; teeth in a single vertical row; tooth and lateral papillae absent; ventral arm plates with stumpy granule covering; arm spines one or two, small; dorsal side of arm segments with granulated skin covering and girdle hooklets extending laterally to the ventrolateral margin; genital slits well formed. These small specimens are in all probability dwarf males rather than young specimens since in most characters they resemble the larger specimens and none were found in the genital bursae. The only other euryalous ophiuroid *Astrochlamys bruneus* known to exhibit sexual dimorphism, also carries a single dwarf male on the dorsal side of the disc during breeding season and none in the genital bursae (Mortensen, 1936). In the other ophiuroids exhibiting sexual dimorphism namely *Ophiodaphne materna* Koehler *Ophiosphaera insignis* Brock, both belonging to family Ophiactidae, and *Amphilycus androphorus* Mortensen belonging to the family Amphiuridae the dwarf males are permanently carried mouth to mouth on the ventral side with their arms alternating with those of the larger females (Mortensen, 1933a, 1936). Of these *A. bruneus* is the only ophiuroid known to exhibit also brooding habit.

Distribution : The types of *Astrostephanus vecors* were taken by the 'Siboga' in the vicinity of Kei Islands (204 m, two specimens) and Timor (520 m, one specimen) in the East Indies (Koehler, 1904). Later Baker (1980) reported the species from Tasman Sea and Northwest New Zealand (341-751m). The present occurrence extends the geographical distribution westward to Southwest Sri Lanka in the Indian Ocean.

Family ASTEROSCHEMATIDAE
8. *Asteroschema fastosum* Koehler

1904. *Asteroschema fastosum* Koehler, R. *Siboga Exped. Monogr.* **45a** : 161. 01° 58.5' N 125° 0.5' E. 1264-1165 m.
1930. *Asteroschema fastosum* : Döderlein, L. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia" 1898-1899.* **22(6)** : 390. Nicobars : West of Nicobars, 7° 49' N 93° 08' E. 805 m.
2005. *Asteroschema fastosum* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 50. Nicobar Islands.

9. *Asteroschema subfastosum* Döderlein

1930. *Asteroschema subfastosum* Döderlein, L. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia" 1898-1899.* **22(6)** : 391. Nicobars : West of Nicobars, 6° 53' N 93° 33' E. 752 m.
2005. *Asteroschema subfastosum* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 50. Nicobar Islands.

10. *Ophiocreas sibogae* Koehler

1904. *Ophiocreas sibogae* Koehler, R. *Siboga Exped. Monogr.*, **45a** : 165.
1930. *Asteroschema (Ophiocreas) sibogae* : Döderlein, L. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia" 1898-1899.* **22(6)** : 391. Nicobars : 6° 53' N 93° 33' E. 752 m; 7° 49' N 93° 08' E. 805 m. (west of Sombero Canal). To *Ophiocreas* by Baker, A.N. 1980.
2005. *Ophiocreas sibogae* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 51. Nicobar Islands.

10a. *Ophiocreas* sp.

1897. *Ophiocreas* nov. sp.? Koehler, R. *Ann. Sci. nat. Zool.*, (8)**IV** : 365. East of Andaman Islands, 90° 52' E 12° 50' N, 3007 m (1644 fms.).
1899. *Ophiocreas* sp. Koehler, R. *Echinoderma of the Indian Museum, Part I* : 70. East of Andaman Islands, 90° 52' E 12° 50' N, 3007 m (1644 fms.).
1983. *Ophiocreas* sp. James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Andaman Island, 3008 m.
2005. *Ophiocreas* sp. Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 51. Andaman Islands.

Order OPHIURIDA
Family OPHIURIDAE
Subfamily OPHIOLEPIDINAE

11. *Ophiolegans cincta* (Müller and Troschel)

1842. *Ophiolepis cincta* Müller, J. and Troschel, F.H. *System der Asteriden*, p. 90.
1887. *Ophiolepis cincta* : Duncan, P.M. *J. Linn. Soc. Zool.*, **21** : 86. Myanmar : Mergui Archipelago.

1888. *Ophiolepis cincta* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 388. Bay of Bengal.
1898. *Ophiolepis cincta* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 67. Myanmar : Mergui Archipelago (King's Island), 7 m (4 fms.).
1905. *Ophiolepis cincta* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 16.
1969. *Ophiolepis cincta* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 57. South Andamans : Port Blair.
1971. *Ophiolepis cincta* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 90-91 (distribution) and 129 (key).
1978. *Ophiolepis cincta* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 232. Madagascar.
1983. *Ophiolepis cincta* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. South Andamans : Port Blair, intertidal.
1987. *Ophioelegans cincta* : James, D.B. *J. mar. biol. Ass. India*, **23**(1981) : 15. New genus *Ophioelegans* described for *Ophiolepis cincta* Müller and Troschel. South Andamans : Port Blair.
1989. *Ophioelegans cincta* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **43** : 112. Lakshadweep : Kavaratti.
1991. *Ophioelegans cincta* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 395. Lakshadweep : Kavaratti.
1998. *Ophioelegans cincta* : Sastry, D.R.K. *Symp. Proc. "Island Ecosystem and Sustainable Development"* p. 136. South Andamans : Labyrinth Islands (MGMNP- Alexandra Island).
1999. *Ophioelegans cincta* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 19. North Andamans : Diglipur. Ross Island, Egg Island: Middle Andamans : Mayabunder.
2001. *Ophioelegans cincta* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 164. South Andamans : Ritchie's Archipelago (Neil Island).
2005. *Ophioelegans cincta* : Sastry, D.R.K. *Rec. zool. Surv. India. Occ. Paper No.*, **233** : 51. Andaman and Nicobar Islands.

12. *Ophiolepis superba* H.L. Clark

1842. *Ophiolepis annulosa* Müller, J. and Troschel, F.H. *System der Asteriden*, p. 89.
1887. *Ophiolepis annulosa* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140. Andamans.
1888. *Ophiolepis annulosa* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 387. Bay of Bengal.
1905. *Ophiolepis annulosa* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 17.
1922. *Ophiolepis annulosa* : Koehler, R. *U.S. natn. Mus. Bull.*, **100**(Vol. 5) : 434.
1971. *Ophiolepis superba* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 90-91 (distribution) and 129 (key).
1978. *Ophiolepis superba* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 236.
1983. *Ophiolepis superba* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. South Andamans: Port Blair, intertidal.
1986. *Ophiolepis superba* : Guille, A. and Vadon, C. *Indo-Malayyan Zoology*, **3** : 169.

1987. *Ophiolepis superba* : James, D.B. *J. mar. biol. Ass.*, **23**(1981) : 15. South Andamans : Port Blair; Middle Andamans Mayabunder.
1989. *Ophiolepis superba* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **43** : 113. Lakshadweep : Kavaratti.
1991. *Ophiolepis superba* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 395. Lakshadweep : Kavaratti.
2001. *Ophiolepis superba* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99**(1-4) : 164. South Andamans : Ritchie's Archipelago (RJMNP-Henry Lawrence Island).
2005. *Ophiolepis superba* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 52. South Andamans : Port Blair, Ritchie's Archipelago (RJMNP- Henry Lawrence Island).

13. *Ophiolypus granulatus* Koehler

1897. *Ophiolypus granulatus* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 315. South Andamans : Port Blair, 205 m (112 fms.).
1899. *Ophiolypus granulatus* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 31. South Andamans : Port Blair, 205 m (112 fms.).
1983. *Ophiolypus granulatus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. South Andamans : Port Blair, 204 m.
1904. *Ophiolypus granulatus* : Koehler, R. *Siboga Exped. Monogr.*, **45a** : 21.
2005. *Ophiolypus granulatus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 52. Andaman Islands.

14. *Ophiomusium elegans* Koehler

1897. *Ophiomusium elegans* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 305. Kerala : Off Kochi (Malabar Coast), 9° 34' 57'' N 75° 36' 30'' E, 742 m (406 fms.); South Andamans : 7 ½ miles East of North Cinque Island, 896 m (490 fms.).
1899. *Ophiomusium elegans* Koehler, R. *Echinoderma of the Indian Museum*, Part I : 23. Kerala : Off Kochi (Malabar Coast), 9° 34' 57'' N 75° 36' 30'' E, 742 m (406 fms.); South Andamans : 7 ½ miles East of North Cinque Island, 896 m (490 fms.); North Sentinel Island, 457 m (250 fms.).
1904. *Ophiomusium elegans* : Koehler, R. *Siboga Exped. Monogr.*, **45a** : 66.
1922. *Ophiomusium elegans* : Koehler, R. *U.S. natn. Mus. Bull.*, **100** (Vol. 5) : 391.
1927. *Ophiomusium elegans* : Hertz, M. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia" 1898-1899*, **22**(3) : 100. Nicobars : St. 210. West of Nicobars, 6° 53' N 93° 33' E, 752 m.
1983. *Ophiomusium elegans* : James, D.B. *Bull. Cent. mar. Fish. Res. Inst. No.*, **34** : 91. Andamans.
2005. *Ophiomusium elegans* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 52. Andaman and Nicobar Islands.

15. *Ophiomusium familiare* Koehler

1897. *Ophiomusium familiare* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 303. Kerala : Off Kochi (Malabar Coast), 75° 36' 30'' E 9° 34' 57'' N, 742 m (406 fms.).

1899. *Ophiomusium familiare* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 22. Kerala : Off Kochi (Malabar Coast). 75° 36' 30'' E 9° 34' 57'' N. 742 m (406 fms.).

16. *Ophiomusium fimbriatum* Koehler

1927. *Ophiomusium fimbriatum* (sic!) *medium* Hertz, M. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia" 1898-1899*, 22(3) : 98. East Africa.
1969. *Ophiomusium fimbriatum* : James, D.B. *Bull. Cent. mar. Fish. Res. Inst. No.*, 7 : 57. Andhra Pradesh : Off Kakinada. 17° 10' N 84° 30' E.

16a. *Ophiomusium lymani* Wyville Thompson

1873. *Ophiomusium lymani* Wyville Thompson, C. *The Depths of the Sea*, p. 174. Indian Ocean.
1904. *Ophiomusium lymani* : Koehler, R. *Siboga Exped. Monogr.*, 45a : 58.
1922. *Ophiomusium lymani* : Koehler, R. *Bull. U.S. natn. Mus.*, 100(5) : 411.
1979. *Ophiomusium lymani* : Baker, A.N. *N.Z. J. Zool.*, 6 : 30. Arabian sea to East and South Indian Ocean.
1981. *Ophiomusium lymani* : Guile, A. *Memoires ORSTOM*, 91 : 453.
1986. *Ophiomusium lymani* : Guille, A. and Vadon, C. *Indo-Malayan Zoology*, 3 : 169.

17. *Ophiomusium relictum* Koehler

1927. *Ophiomusa relictum* (Koehler, R. 1904) : Hertz, M. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia" 1898-1899*, 22(3) : 105. Nicobars : Station 211. 7° 48' N 93° 07' E, 805 m. New combination with the new genus *Ophiomusa*. [*Ophiomusa* is a synonym of *Ophiomuseum* according to Fell, 1960].
1983. *Ophiomusa relictum* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 91. Nicobar, 1417 m.
2005. *Ophiomusium relictum* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 52. Nicobar Islands.

18. *Ophiomusium scalare* Lyman

1878. *Ophiomusium scalare* Lyman, T. *Bull. Mus. comp. Zool. Harv.*, V(7) : 117 (1877).
1882. *Ophiomusium scalare* : Lyman, T. *Rep. Challenger Ophiuroidea*, V : 95.
1897. *Ophiomusium scalare* : Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 308. Andamans.
1899. *Ophiomusium scalare* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 26. Andamans.
1904. *Ophiomusium scalare* : Koehler, R. *Siboga Exped. Monogr.*, 45a : 65.
1922. *Ophiomusium scalare* : Koehler, R. *U.S. natn. Mus. Bull.*, 100(Vol. 5) : 417.
1981. *Ophiomusium scalare* : Guile, A. *Memoires ORSTOM*, 91 : 454.
1983. *Ophiomusium scalare* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 91. Andamans : Port Blair, 204 m.
2005. *Ophiomusium scalare* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 53. North Andamans Investigator St. 237. 13° 17' N 93° 07' E, 165 m (90 fms.).

19. *Ophiomusium simplex* Lyman

1878. *Ophiomusium simplex* Lyman, T. *Bull. Mus. comp. Zool. Harv.*, **V**(7) : 115.
1904. *Ophiomusium sanctum* Koehler, R. *Siboga Exped. Monogr.*, **45a** : 59. A synonym of *O. simplex* according to H.L. Clark, 1911, subsequently endorsed by Koehler, 1922 and 1933.
1922. *Ophiomusium simplex* : Koehler, R. *U.S. natn. Mus. Bull.*, **100**(Vol. 5) : 417.
1980. *Ophiomusium simplex* : Guille, A. *Result. Camp. MUSORSTOM*, **91** : 453.
1987. *Ophiomusium simplex* : Sastry, D.R.K. *Bull. zool. Surv. India*, **8**(1-3) : 217. Baker, 1979 raised var. *australe* H.L. Clark to species with *aporum* H.L. Clark (only holotype) as synonym. North Andamans : *Investigator* St. 238. 13° 16' N 93° 08' E, 137-110 m (75-60 fms.); Myanmar : Off Mergui Archipelago, *Investigator* St. 534. 12° 59' N 96° 48' 30'' E, 110 m (60 fms.) and *Investigator* St. 535. 13° 04' 30'' N 96° 44' E, 119 m (65 fms.).
2005. *Ophiomusium simplex* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 53. North Andamans.

20. *Ophiomusium validum* Ljungman

1871. *Ophiomusium validum* Ljungman, A. *Öfversigt af Kongl. Akad. Vet. Forh.*, **23** : 618.
1878. *Ophiomusium validum* : Lyman, T. *Bull. Mus. comp. Zool. Harv.*, **V**(7) : 114.
1878. *Ophiomusium validum* : Lyman, T. *Bull. Mus. comp. Zool. Harv.*, **V**(9) : 219.
1882. *Ophiomusium validum* : Lyman, T. *Rep. Challenger Ophiuroidea*, **V** : 92.
1897. *Ophiomusium validum* : Koehler, R. *Ann. Sci. nat. Zool.*, (8)**IV** : 307. North of Lakshadweep. Locality corresponds to *Investigator* Stations 192 & 193 (off Goa.), 72° 28' 45'' E 15° 11' N, 1703 m (931 fms.).
1899. *Ophiomusium validum* : Koehler, R. *Echinoderma of the Indian Museum. Part I* : 25. North of Lakshadweep (same as above).

21. *Ophioplocus imbricatus* (Müller and Troschel)

1842. *Ophiolepis imbricata* Müller, J. and Troschel, F.H. *System der Asteriden*, p. 93.
1888. *Ophioplocus imbricatus* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 388. Bay of Bengal.
1905. *Ophioplocus imbricatus* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 18.
1922. *Ophioplocus imbricatus* : Koehler, R. *U.S. natn. Mus. Bull.*, **100**(Vol. 5) : 435.
1971. *Ophioplocus imbricatus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 90-91 (distribution) and 128 (key). West Coast [= Gujarat : Jamnagar Island (personal communication from A.M. Clark) probably Pirotan Island near Jamnagar].
1978. *Ophioplocus imbricatus* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 239.
1983. *Ophioplocus imbricatus* : James, D.B. *Bull. cen. mar. Fish. Res. Inst. No.*, **34** : 91. South Andamans : Port Blair.
2004. *Ophioplocus imbricatus* : Sastry, D.R.K. *Rec. zool. Surv. India*, **103**(1-2) : 62. Nicobars : Great Nicobar Island.

2004. *Ophioplocus imbricatus* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat*, Part 2 : 197. Gujarat : Gulf of Kachchh (Okha, Beyt Island, Sikka, Pirotan Island).
2005. *Ophioplocus imbricatus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 53. Middle Andamans : South of Rangat Jetty; Nicobars : Great Nicobar.

22. *Ophiosphalma elegans* (Koehler)

1897. *Ophiomusium elegans* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 305. Kerala : Malabar Coast, 75° 36' 30'' E 9° 34' 57'' N, 742 m (406 fms.); South Andamans : 7 ½ miles east of North Cinque Island, 896 m (490 fms.).
1899. *Ophiomusium elegans* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 23. South Andamans, North Sentinel Island., 457m (250 fms.).
1927. *Ophiomusium elegans* : Hertz, M. *Wiss. Ergeb. Dt. Tiefsee-Exped. "Valdivia" 1898-1899*, **22**(2) : 100. Station 210. Nicobars, 6° 53' N 93° 33' E, 752 m.
1986. *Ophiosphalma elegans* : Guille, A. and Vadon, C. *Indo-Malayan Zoology*, **3** : 168.
2005. *Ophiosphalma elegans* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 53. Andaman and Nicobar Islands.

Material : Kerala : *Investigator* St. 150. 7° 05' 45'' N 75° 04' E. 260-732 m (142-400 fms.) / St. 197. 9° 34' 57'' N 75° 36' 30'' E, 742 m (406 fms.), one specimen; Andamans : *Investigator* St. 313. Off North Andaman Islands, 15° 21' N 92° 48' 45'' E. 2743 m (1500 fms.), one specimen.

22a. *Ophiosphalma planum* Lyman

1878. *Ophiomusium planum* Lyman, T. *Bull. Mus. comp. Zool. Harv.*, **V**(7) : 218.
1882. *Ophiomusium planum* : Lyman, T. *Rep. Challenger Ophiuroidea*, **V** : 99.
1897. *Ophiomusium planum* : Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 308. Bay of Bengal, 2780 m (1520 fms.); 11° 58' N 88° 52' 17'' E, 3197 m (1748 fms.) and 9° 34' N 85° 43' 15'' E, 3634 m (1987 fms.).
1899. *Ophiomusium planum* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 26.
1986. *Ophiosphalma planum* : Guille, A. and Vadon, C. *Indo-Malayan Zoology*, **3** : 169.

23. *Ophioteichus nodosa* (Duncan)

1887. *Ophiolepis nodosa* Duncan, P.M. *J. Linn. Soc. Zool.*, **21** : 86. Myanmar : Mergui Archipelago.
1888. *Ophiolepis nodosa* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 387. Bay of Bengal.
1971. *Ophiolepis nodosa* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 90-91 (distribution) and 128 (key).
1983. *Ophioteichus nodosa* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 91. South Andamans : Port Blair, intertidal. [This publication appeared earlier to the one in which the transfer of the species from *Ophiolepis* to *Ophioteichus* was made, *vide infra*.]

1987. *Ophiolepis nodosa* (Duncan) : James, D.B. *J. mar. biol. Ass. India*, **23**(1981) : 15. *Ophiolepis nodosa* Duncan is here transferred to *Ophiolepis* H.L. Clark (1938) since it agrees in every respect with H.L. Clark's new genus.
2005. *Ophiolepis nodosa* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 54. Andaman Islands.

24. *Ophiotrochus panniculus* Lyman

1878. *Ophiotrochus panniculus* Lyman, T. *Bull. Mus. comp. Zool. Harv.*, **V**(7) : 129.
1897. *Ophiotrochus panniculus* : Koehler, R. *Ann. Sci. nat. Zool.*, (8)**IV** : 312. Lakshadweep, 71° 35' 50'' E 12° 05' 35'' N, 1582-1609 m (865-880 fms.); Lakshadweep : Minicoy Island., 2195 m (1200 fms.).
1899. *Ophiotrochus panniculus* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 29. Lakshadweep, 71° 35' 50'' E 12° 05' 35'' N, 1582-1609 m (865-880 fms.); Lakshadweep : Minicoy Id., 2195 m (1200 fms.).
1904. *Ophiotrochus panniculus* : Koehler, R. *Siboga Exped. Monogr.*, **45a** : 15.

25. *Ophiozonella bispinosa* (Koehler)

1897. *Ophiozona bispinosa* Koehler, R. *Ann. Sci. nat. Zool.*, (8)**IV** : 319. South Andamans, Port Blair, 205 m (112 fms.).
1899. *Ophiozona bispinosa* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 34. South Andamans, Port Blair, 205 m (112 fms.).
1922. *Ophiozonella bispinosa* : Koehler, R. *Bull. U.S. natn. Mus.*, **100**(5) : 422.
1979. *Ophiozonella bispinosa* : Baker, A.N. *N.Z. J. Zool.*, **6** : 32.
1983. *Ophiozona bispinosa* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. South Andamans : Port Blair, 204 m.
1981. *Ophiozonella bispinosa* : Guile, A. *Memoires ORSTOM*, **91** : 451. Indo-Malayan Archipelago, Andaman Islands, Kei Islands, Australia, Philippines.
2005. *Ophiozonella bispinosa* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 54. Andaman and Nicobar Islands.

26. *Ophiozonella molesta* (Koehler)

1904. *Ophiozona molesta* Koehler, R. *Siboga Exped. Monogr.*, **45a** : 23.
1922. *Ophiozonella molesta* : Koehler, R. *Bull. U.S. natn. Mus.*, **100**(5) : 425.
1933. *Ophiozonella molesta* : Mortensen, T. *Danish Ingolf Exped.*, **IV**(8) : 114.
1981. *Ophiozonella molesta* : Guile, A. *Memoires ORSTOM*, **91** : 451. Indo-Malayan Archipelago; Arabian Coast.
2005. *Ophiozonella molesta* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 54. Andaman Islands.

Material : Other locality-Sri Lanka.

Subfamily OPHIOLEUCINAE

Madsen (1983) reviewed Ophioleucidae Matsumoto 1915 and reduced to the rank of a subfamily of the family Ophiuridae. Five genera were recognized : *Ophiopyren* Lyman, *Ophiernus* Lyman, *Ophiopallas* Koehler, *Ophioleuce* Koehler (*Ophiocirce* Koehler syn. n.), and *Ophiostriatus* gen. n., type-species : *Ophiopyren striatum* Mortensen with the other species *Ophiopyren atlanticum* Mortensen (*Ophiocirce antillarum* A.H. Clark syn. n.) and *Ophiopyren bispinosus* Koehler. *Ophiopyren brevispinus* Lyman was transferred to *Ophiopallas*; and *Ophiopyren regulare* Koehler to *Ophioleuce*. *Ophiopyren delatum* Koehler was found to be a juvenile *Ophiernus adpersus* Lyman (syn. n.). *Ophiocten charischema* H.L. Clark, *Ophiocirce inutilis* Koehler and *Ophiocirce mabahithae* Mortensen were considered synonymous with *Ophioleuce seminudum* Koehler (syn. n.). *Ophiernus barraclooughi* Tommasi was considered the same as *Ophiernus adpersus annectens* Lütken and Mortensen (syn. n.).

27. *Ophiernus adpersus adpersus* Lyman

1883. *Ophiernus adpersus* Lyman, T. Bull. Mus. comp. Zool. Harv., **10**(6) : 236.
1897. *Ophiernus adpersus* . Koehler, R. Ann. Sci. nat. Zool., (8)IV : 316. Kerala : Malabar Coast: Off SW of Thiruvananthapuram, 7° 05' 45'' N 75° 04' E, 1315 m (719 fms.); Tamil Nadu : Kanniyakumari, 1907 m (1043 fms.); South Andamans : 7 ½ miles east of North Cinque Id., 896 m (490 fms.); Middle Andamans : 93° 23' 10'' E 12° 59' N, 1249 m (683 fms.); Bay of Bengal, 9° 34' N 85° 43' 15'' E, 3652 m (1997 fms.).
1899. *Ophiernus adpersus* : Koehler, R. Echinoderma of the Indian Museum. Part I : 32.
1904. *Ophiernus adpersus* : Koehler, R. Siboga Exped. Monogr., **45ba** : 20.
1983. *Ophiernus adpersus adpersus* : Madsen, F.J. Steenstrupia, **9**(2) : 68. Revision of the subfamily. West Atlantic; Indian; West Pacific
1983. *Ophiernus adpersus* : James, D.B. Bull. cent. mar. Fish. Res. Inst. No., **34** : 91. Andaman Island, 766-3654 m.
2005. *Ophiernus adpersus* : Sastry, D.R.K. Rec. zool. Surv. India, Occ. Paper No., **233** : 54. Andaman and Nicobar Islands : 10-Degree Channel.

27a. *Ophioleuce seminudum* Koehler

1904. *Ophioleuce seminudum* Koehler, R. Siboga Exped. Monogr., **45a** : 33. New genus (p. 32) and new species (p. 33).
1904. *Ophiocirce inutilis* Koehler, R. Siboga Exped. Monogr., **45a** : 13. New genus and species.
1911. *Ophiocten charischema* Clark, H.L. Bull. U.S. natn. Mus., **75** : 97.
1922. *Ophiocirce inutilis* : Koehler, R. Bull. U.S. natn. Mus., **100**(5) : 436.
1927. *Ophioleuce charischema* : Hertz, M. Wiss. Ergebn. Dt. Tiefsee-Exped. Valdivia, **22**(3) : 109.
1965. *Ophioleuce charischema* : Clark, A.M. Bull. Br. Mus. nat. Hist. (Zool.), **13**(2) : 67.
1974. *Ophiocirce inutilis* : A.M. Clark, Bull. Br. Mus. nat. Hist. (Zool.), **26**(6) : 476. East Coast of Africa.

1979. *Ophioleuce charischema* : Baker, A.N. *N.Z. Jl Zool.*, **6** : 32.
1981. *Ophiocirce inutilis* : Guile, A. *Memoires ORSTOM*, **91** : 433.
1983. *Ophioleuce seminudum* : Madsen, F.J. *Steenstrupia*, **9(2)** : 36. Revision of the subfamily. Indo-West Pacific : Red Sea and Mozambique to Japan and eastern Australia.
1986. *Ophioleuce seminudum* : Guille, A. and Vadon, C. *Indo-Malayyan Zoology*, **3** : 169.

Material : Maldives : *Investigator* St. 218. South of Minicoy, 6° 55' 06'' N 72° 55' E, 384 m (210 fms.), 21.10.1896.

27b. *Ophiopallas paradoxa* Koehler

1904. *Ophiopallas paradoxa* Koehler, R. *Siboga Exped. Monogr.*, **45a** : 12.
1922. *Ophiopallas paradoxa* : Koehler, R. *Bull. U.S. nat. Mus.*, **100(5)** : 436.
1927. *Ophiopallas paradoxa altera* : Hertz, M. *Wiss. Ergebn. Dt. Tiefsee-Exped. Valdivia*, **22(2)** : 110.
1974. *Ophiopallas paradoxa* : A.M. Clark, *Bull. Br. Mus. nat. Hist. (Zool.)*, **26(6)** : 477. East Coast of Africa.
1979. *Ophiopallas paradoxa* : Baker, A.N. *N.Z. Jl Zool.*, **6** : 32.
1981. *Ophiopallas paradoxa* : Guile, A. *Memoires ORSTOM*, **91** : 433.
1983. *Ophiopallas paradoxa* : Madsen, F.J. *Steenstrupia*, **9(2)** : 54. Revision of the subfamily. North of Mozambique, Southern Mozambique, Banda Sea, Philippines, Kei Islands, New Zealand.
1986. *Ophiopallas paradoxa* : Guille, A. and Vadon, C. *Indo-Malayan Zoology*, **3** : 169.

Material : Maldives : *Investigator* St. 217. South of Minicoy, 6° 56' 56'' N 72° 53' 30'' E, 839 m (459 fms.), 21.10.1896.

28. *Ophiostriatus bispinosus* (Koehler)

1897. *Ophiopyren bispinosus* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 312. Andamans.
1899. *Ophiopyren bispinosus* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 29. Andamans.
1979. *Ophiopyren bispinosus* : Baker, A.N. *N.Z. Jl Zool.*, **6** : 34. New Zealand.
1983. *Ophiopyren bispinosus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. Andamans.
1983. *Ophiostriatus bispinosus* : Madsen, F.J. *Steenstrupia*, **9(2)** : 66. Revision of the subfamily. Andamans, New Zealand.
2005. *Ophiostriatus bispinosus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 54. Andaman Islands.

Subfamily OPHIURINAE

29. *Amphiophiura ornata* (Lyman)

1878. *Ophioglypha ornata* Lyman, T. *Bull. Mus. comp. Zool. Harv.*, **V(7)** : 86.

1927. *Amphiophiura ornata* : Hertz, M. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia" 1898-1899*, **22**(2) : 77. Nicobars : St. 210. West of Nicobars, 6° 53' N 93° 33' E, 752 m.
1983. *Amphiophiura ornata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. Nicobar, 752 m.
2005. *Amphiophiura ornata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 55. Nicobar Islands.

30. *Amphiophiura paupera* (Koehler)

1897. *Ophioglypha paupera* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 290. Lakshadweep : 10° 47' 45'' N 72° 40' 20'' E, 1289 m (705 fms.); Kerala : Off Kochi (Malabar Coast), 9° 34' 57'' N 75° 36' 30'' E, 742 m (406 fms.)
1899. *Ophioglypha paupera* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 11. Lakshadweep : 10° 47' 45'' N 72° 40' 20'' E, 1289 m (705 fms.); Kerala : Off Kochi (Malabar Coast), 9° 34' 57'' N 75° 36' 30'' E, 742 m (406 fms.).
1922. *Amphiophiura paupera* : Koehler, R. *Bull. U.S. nat. Mus.*, **100**(5) : 363.
1927. *Amphiophiura paupera* : Hertz, M. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia" 1898-1899*, **22**(3) : 76. East Africa.

31. *Amphiophiura radiata* (Lyman)

1878. *Ophioglypha radiata* Lyman, T. *Bull. Mus. comp. Zool. Harv.*, **V**(7) : 89.
1882. *Ophioglypha radiata* : Lyman, T. *Rep. Challenger Ophiuroidea*, **V** : 64.
1897. *Ophioglypha radiata* : Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 300. Lakshadweep : Minicoy, 2195 m (1200 fms.).
1899. *Ophioglypha radiata* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 19. Lakshadweep : Minicoy, 2195 m (1200 fms.).
1922. *Amphiophiura radiata* : Koehler, R. *U.S. natn. Mus. Bull.*, **100**(Vol. 5) : 363.

32. *Amphiophiura sculptilis* (Lyman)

1878. *Ophioglypha sculptilis* Lyman, T. *Bull. Mus. comp. Zool. Harv.*, **V**(7) : 84.
1882. *Ophioglypha sculptilis* : Lyman, T. *Rep. Challenger Ophiuroidea*, **V** : 51.
1897. *Ophioglypha sculptilis* : Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 301. West of Middle Andamans, 12° 50' N 90° 52' E, 3007 m (1644 fms.) and 12° 20' N 85° 08' E, 3297 m (1803 fms.).
1899. *Ophioglypha sculptilis* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 20. West of Middle Andamans.
1922. *Amphiophiura sculptilis* : Koehler, R. *U.S. natn. Mus. Bull.*, **100**(Vol. 5) : 364.
1927. *Amphiophiura sculptilis* : Hertz, M. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia" 1898-1899*, **22**(3) : 74. East Africa.
1986. *Amphiophiura sculptilis* : Guille, A. and Vadon, C. *Indo-Malayan Zoology*, **3** : 169.

2005. *Amphiophiura sculptilis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 55. Andaman Islands.

33. *Amphiophiura sordida* (Koehler)

1897. *Ophioglypha sordida* Koehler. *R. Ann. Sci. nat. Zool.*, (8)IV : 292. West of North Andaman Islands. 13° 37' 30'' N 92° 36' E. 1026 m (561 fms.).
1899. *Ophioglypha sordida* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 13. West of North Andaman Islands. 13° 37' 30'' N 92° 36' E. 1026 m (561 fms.).
1904. *Ophioglypha sordida* : Koehler, R. *Siboga Exped. Monogr.*, **45a** : 47.
1922. *Amphiophiura sordida* : Koehler, R. *Bull. U.S. natn. Mus.*, **100**(5) : 364.
1927. *Amphiophiura sordida* : Hertz, M. *Deutschen Tiefsee-Expedition 1898-1899*, **22**(3) : 75. Sumatra.
1981. *Amphiophiura sordida* : Guile, A. *Memoires ORSTOM*, **91** : 449.
1983. *Ophioglypha sordida* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. Andaman Island, 36-64 m.
2005. *Amphiophiura sordida* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 55. Investigator St. 254. Off South Andamans, 11° 16' 30'' N 92° 58' E. 1223 m (669 fms.).

34. *Amphiophiura (Dictenophiura) stellata* (Studer)

1882. *Ophioglypha stellata* Studer, *Abh. k. Akad. Wiss. Berlin*, **1882** : 11.
1898. *Ophioglypha stellata* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 60. Andaman Islands, 37-64 m (20-35 fms.).
1905. *Ophioglypha stellata* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 21.
1922. *Amphiophiura stellata* : Koehler, R. *U.S. natn. Mus. Bull.*, **100**(Vol. 5) : 369.
1971. *Dictenophiura stellata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 90-91 (distribution) and 128 (key). [*Dictenophiura* is subgenus of *Amphiophiura* according to Fell, 1960].
2005. *Amphiophiura (Dictenophiura) stellata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 55. Andaman Islands.

35. *Homalophiura inflata* (Koehler)

1897. *Ophioglypha inflata* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 288. Sri Lanka. Off Colombo, 1092 m (597 fms.).
1899. *Ophioglypha inflata* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 10.
1922. *Homalophiura inflata* : Koehler, *Bull. U.S. nat. Mus.*, **100**(5) : 386.
2005. *Homalophiura inflata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 56. Andaman Islands.

36. *Ophiomastus tumidus* Koehler

1897. *Ophiomastus tumidus* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 285. Andhra Pradesh : Off Visakhapatnam. 18° 26' N 85° 24' E. 2396 m (1310 fms.).
1899. *Ophiomastus tumidus* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 8. Andhra Pradesh : Off Visakhapatnam. 18° 26' N 85° 24' E. 2396 m (1310 fms.).

37. *Ophiopyrgus alcocki* Koehler

1897. *Ophiopyrgus alcocki* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 283. Andhra Pradesh : Off Visakhapatnam. 18° 26' N 85° 24' E. 2396 m (1315 fms.).
1899. *Ophiopyrgus alcocki* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 6. Andhra Pradesh : Off Visakhapatnam. 18° 26' N 85° 24' E. 2396 m (1315 fms.).

37a. *Ophiotypa simplex* Koehler

1897. *Ophiotypa simplex* Koehler *Ann. Sci. nat. Zool.*, (8)IV : 281. Bay of Bengal, 9° 34' N 85° 43' 15'' E. 3652 m (1997 fms.).
1899. *Ophiotypa simplex* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 1. Bay of Bengal, 9° 34' N 85° 43' 15'' E. 3652 m (1997 fms.).
1986. *Ophiotypa simplex* : Guille, A. and Vadon, C. *Indo-Malayan Zoology*, 3 : 169.
1991. *Ophiotypa simplex* : Vadon, C. *Mém. Mus. natn. Hist. nat. (A)*, 151 : 337. Cosmopolite et fréquemment recoltée, ne faut pas l'objet de commentaire systematique dans le présent article.

38. *Ophiura aequalis* (Lyman)

1878. *Ophioglypha aequalis* Lyman, T. *Bull. Mus. comp. Zool. Harv.*, V(7) : 72.
1882. *Ophioglypha aequalis* Lyman, T. *Rep. Challenger Ophiuroidea*, V : 45.
1897. *Ophioglypha aequalis* : Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 297. Lakshadweep : Minicoy Island. 2195 m (1200 fms.).
1899. *Ophioglypha aequalis* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 16. Lakshadweep : Minicoy Island. 2195 m (1200 fms.); South Andamans: 7 ½ miles east of North Cinque Id. 896 m (490 fms.).
1904. *Ophiura aequalis* : Koehler, R. *Siboga Exped. Monogr.*, 45a : 55.
1922. *Ophiura aequalis* : Koehler, R. *U.S. nat. Mus. Bull.*, 100(Vol. 5) : 373.
1983. *Ophioglypha aequalis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 91. Andaman Island. 940-2196 m.
1986. *Ophiura aequalis* : Guille, A. and Vadon, C. *Indo-Malayan Zoology*, 3 : 169.
2005. *Ophiura aequalis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 56. Andaman and Nicobar Islands.

39. *Ophiura flagellata* Lyman

1878. *Ophioglypha flagellata* Lyman, T. *Bull. Mus. comp. Zool. Harv.*, **V**(7) : 69.
1882. *Ophioglypha flagellata* : Lyman, T. *Rep. Challenger Ophiuroidea*, **V** : 42.
1897. *Ophioglypha flagellata* : Koehler, R. *Ann. Sci. nat. Zool.*, (8)**IV** : 299. South Andamans : 7 ½ miles east of North Cinque Id. 896 m (490 fms.); Off South Andamans, 92° 47' 06'' E 12° 25' 05'' N. and 905 m (495 fms.).
1899. *Ophioglypha flagellata* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 18. South Andamans : 7 ½ miles east of North Cinque Island, 896 m (490 fms.); Off South Andamans, 92° 47' 06'' E 12° 25' 05'' N. 905 m (495 fms.). Sri Lanka : Off Colombo, 6° 32' N 79° 37' E. 1234 m (675 fms.).
1904. *Ophiura flagellata* : Koehler, R. *Siboga Exped. Monogr.*, **45a** : 56.
1922. *Ophiura flagellata* : Koehler, R. *U.S. natn. Mus. Bull.*, **100**(Vol. 5) : 375.
1983. *Ophioglypha flagellata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. Andaman Island, 741-1235 m.
1986. *Ophiura flagellata* : Guille, A. and Vadon, C. *Indo-Malayan Zoology*, **3** : 183.
2005. *Ophiura flagellata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 56. Andaman Islands.

40. *Ophiura forbesi* (Duncan)

1879. *Ophioglypha forbesi* Duncan, P. M. *J. Linn. Soc. Lond.*, **XIV** : 449
1898. *Ophioglypha forbesi* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 64. Andaman Island, 27 m (15 fms.); Myanmar : Mergui Archipelago (Torres Island i. e. Jones Island), 73 m (40 fms.).
1983. *Ophioglypha forbesi* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. Andaman Island, 27m.

41. *Ophiura irrorata* (Lyman)

1878. *Ophioglypha irrorata* Lyman, T. *Bull. Mus. comp. Zool. Harv.*, **V**(7) : 73.
1878. *Ophioglypha orbiculata* Lyman, T. *Bull. Mus. comp. Zool. Harv.*, **V**(7) : 74.
1897. *Ophioglypha involuta* Koehler, R. *Ann. Sci. nat. Zool.*, (8)**IV** : 295. Bay of Bengal, 11° 58' N 88° 52' 17'' E, 3197 m (1748 fms.).
1897. *Ophioglypha orbiculata* : Koehler, R. *Ann. Sci. nat. Zool.*, (8)**IV** : 302. Bay of Bengal, 11° 58' N 88° 52' E, 3197 m (1748 fms.); Lakshadweep, 1582-1609 m (865-880 fms.) and 2070 m (1132 fms.).
1899. *Ophioglypha involuta* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 15. Bay of Bengal, 11° 58' N 88° 52' 17'' E, 3197 m (1748 fms.).
1899. *Ophioglypha orbiculata* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 21.
1927. *Ophiuroglypha irrotata* : Hertz, M. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia" 1898-1899*, **22**(3) : 86.
1969. *Ophiuroglypha irrotata* : Pawson, D.L. *N.Z. Jl mar. Freshwat. Res.*, **3** : 52. Cosmopolitan, 193-5870m.

1986. *Ophiura irrorata* : Guille, A. and Vadon, C. *Indo-Malayan Zoology*, **3** : 169.

42. *Ophiura kinbergi* (Ljungman)

1867. *Ophioglypha kinbergi* Ljungman, A. *Öfvers. K. Vetensk. Akad. Forh.*, **27**(1866) : 166.

1871. *Ophioglypha sinensis* Lyman, T. *Ill. Cat. Mus. comp. Zool. Harv. No.*, **VI** : 12.

1898. *Ophioglypha sinensis* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 60 Kerala : Malabar Coast, 51 m (28 fms.) and 66 m (36 fms.); Orissa Coast, 18 m (10 fms.); Andamans, 37 m (20 fms.).

1905. *Ophioglypha kinbergi* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 22.

1922. *Ophioglypha kinbergi* Koehler, R. *U.S. natn. Mus. Bull.*, **100**(Vol. 5) : 381.

1965. *Ophiura kinbergi* Clark, A.M. *Bull. Br. Mus. nat. Hist. (Zool.)*, **13**(2) : 66.

1971. *Ophiura kinbergi* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*. 90-91 (distribution) and 128 (key).

1978. *Ophiura kinbergi* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 229.

1983. *Ophioglypha sinensis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. Andaman Island, 18-65 m.

1983. *Ophiura kinbergi* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. Andamans Port Blair, 20 m.

2005. *Ophiura kinbergi* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 56. Andaman Islands.

Material : Andhra Pradesh : Visakhapatnam (Off Rishikonda). 20 m. K.A. Sai; May 1988; Orissa : Puri, 16-18 m (9-10 fms.).

Description : The single specimen from Visakhapatnam is having a disc diameter 4.5 mm and arms 10 mm long. Disc scales rounded, naked, separated by small scales. Radial shields large, as long as broad, separate, closely approximating distally. Arm combs present, first dorsal arm plate without papillae. Dorsal arm plates small, convex, in contact with each other, as broad as long proximally, longer distally with a convex distal margin and narrowed proximal end. Ventral arm plates meeting mid-ventrally. Oral shields large, adoral shields separated radially and meeting interradially. Single infradental papilla; four pointed lateral papillae; second oral papilla opening outside the jaw with multiple scales; free segments with two scales. Arm spines three, shorter than the segment in length.

Remark : The species is common in the Indo-West Pacific shallow waters. It is newly recorded from the coast of Andhra Pradesh.

43. *Ophiura undulata* (Lyman)

1878. *Ophioglypha undulata* Lyman, T. *Bull. Mus. comp. Zool. Harv.*, **V**(7) : 75.

1897. *Ophioglypha undulata* : Koehler, R. *Ann. Sci. nat. Zool.*, (8)**IV** : 299. Sri Lanka: Off Colombo, 6° 32' N 79° 37' E, 1234 m (675 fms.).

1899. *Ophioglypha undulata* : Kochler, R. *Echinoderma of the Indian Museum*. Part I : 19. West of Karnataka, 14° 22' N 71° 21' E. 2070 m (1132 fms.).

Family OPHIOCOMIDAE
44. *Ophiarthrum elegans* Peters

1851. *Ophiarthrum elegans* Peters, W. Ber. K. Press. Akad. Wiss., **1851** : 463.
1898. *Ophiarthrum elegans* : Kochler, R. *Bull. scient. Fr. Belg.*, **31** : 109. North Andamans : Table Island, 27-64 m (15-35 fms.).
1922. *Ophiarthrum elegans* : Kochler, R. *U.S. natn. Mus. Bull.*, **100**(Vol. 5) : 331.
1905. *Ophiarthrum elegans* : Kochler, R. *Siboga Exped. Monogr.*, **45b** : 73.
1969. *Ophiarthrum elegans* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 56. South Andamans : Port Blair.
1971. *Ophiarthrum elegans* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 86-87 (distribution) and 121 (key).
1978. *Ophiarthrum elegans* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 179.
1983. *Ophiarthrum elegans* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. South Andamans : Port Blair, intertidal.
1991. *Ophiarthrum elegans* : James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 20. South Andamans : MGMNP (Jolly Buoy Island).
1999. *Ophiarthrum elegans* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 19. North Andamans : Ray Hill. Interview Island; Middle Andamans : Mayabunder.
2004. *Ophiarthrum elegans* : Sastry, D.R.K. *et al. Rec. zool. Surv. India*, **103**(1-2) : 61. Nicobars : Great Nicobar Island.
2005. *Ophiarthrum elegans* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 57. Andamans Islands.

45. *Ophiarthrum pictum* (Müller and Troschel)

1842. *Ophiocoma picta* Müller, J. and Troschel, F.H. *System der Asteriden*, p. 102.
1905. *Ophiarthrum pictum* : Kochler, R. *Siboga Exped. Monogr.*, **45b** : 72.
1922. *Ouphiomastix venosa* Peters (sic!) : Kochler, R. *U.S. natn. Mus. Bull.*, **100**(Vol. 5) : 331. A synonym of *Ophiocoma pictum* (Müller and Troschel) according to Devaney (1978)
1969. *Ophiarthrum pictum* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 56. Nicobars : Nancowry.
1971. *Ophiarthrum pictum* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 86-87 (distribution) and 121 (key).
1971. *Ophiarthrum pictum* : James, D.B. *J. mar. biol. Ass. India*, **12**(1970) : 136. Nicobars : Nancowry.
1983. *Ophiarthrum pictum* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. South Andamans : Port Blair; Nicobar Island; intertidal.

1997. *Ophiarthrum pictum* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **13** : 52. South Andamans : New Wandoor, MGMNP (Pongibalu).
2001. *Ophiarthrum pictum* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 163. South Andamans : Ritchie's Archipelago (Havelock and Inglis Islands).
2004. *Ophiarthrum pictum* : Sastry, D.R.K. *et al. Rec. zool. Surv. India*, **103**(1-2) : 61. Nicobars : Great Nicobar island.
2005. *Ophiarthrum pictum* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 57. Andaman and Nicobar Islands (Kamorta, Great Nicobar).

46. *Ophiocoma anaglyptica* Ely

1944. *Ophiocoma anaglyptica* Ely, *J. Wash. Acad. Sci.*, **34** : 373.
1969. *Ophiocoma anaglyptica* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 56. Lakshadweep : Chetlat.
1971. *Ophiocoma anaglyptica* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 86-87 (distribution) and 118 (key).
1987. *Ophiocoma anaglyptica* : James, D.B. *J. mar. biol. Ass.*, **24**(1982) : 37. Key to Indian species of the genus. Lakshadweep : Chetlat.
1991. *Ophiocoma anaglyptica* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 379. Lakshadweep : Chetlat.

Remark : Devaney (1970) re-evaluated the species of the genus *Ophiocoma*, and gave synonymy and keys for the species and also described the new genus *Clarcoma*.

47. *Ophiocoma brevipes* Peters

1851. *Ophiocoma brevipes* Peters. *W. Ber. K. Preurs. Akad. Wiss.*, **1851** : 465.
1888. *Ophiocoma brevipes* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 388. Tamil Nadu : Gulf of Mannar (Tuticorin).
1898. *Ophiocoma brevipes* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 81. Andaman Island, 13-24 m (7-13 fms.); Lakshadweep, 46 m (25 fms.).
1902. *Ophiocoma brevipes* : Bell, F.J. *In* : J.S. Gardiner (ed.), *The Fauna and Geography of the Maldives and Laccadive Archipelagoes*, **1** : 228. Lakshadweep : Minicoy.
1922. *Ophiocoma brevipes* : Koehler, R. *U.S. natn. Mus. Bull.*, **100**(Vol. 5) : 319.
1969. *Ophiocoma brevipes* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 56. Lakshadweep : Minicoy; South Andamans : Port Blair; Middle Andamans : Rangat Bay.
1971. *Ophiocoma brevipes* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 86-87 (distribution) and 119 (key).
1978. *Ophiocoma brevipes* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 168.
1983. *Ophiocoma brevipes* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. South Andamans : Port Blair, intertidal.

1987. *Ophiocoma brevipes* : James, D.B. *J. mar. biol. Ass.*, **24**(1982) : 39. Lakshadweep : Minicoy; South Andamans : Port Blair.
1991. *Ophiocoma brevipes* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 378. Lakshadweep : Agatti, Androth.
1999. *Ophiocoma brevipes* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 19. North Andamans : Ray Hill.
2001. *Ophiocoma brevipes* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 163. South Andamans : Ritchie's Archipelago (Inglis Island).
2005. *Ophiocoma brevipes* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 58. Andaman Islands.

48. *Ophiocoma dentata* Müller and Troschel

1842. *Ophiocoma dentata* Müller, J. and Troschel, F.H. *System der Asteriden*, p. 99.
1969. *Ophiocoma insularia* var. *variegata*: James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 56. Lakshadweep : Minicoy; South Andamans : Port Blair.
1971. *Ophiocoma dentata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 86-87 (distribution) and 119 (key).
1983. *Ophiocoma dentata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. South Andamans : Port Blair, intertidal.
1987. *Ophiocoma dentata* : James, D.B. *J. mar. biol. Ass.*, **24**(1982) : 40. Lakshadweep : Minicoy; South Andamans: Port Blair.
1991. *Ophiocoma dentata*: James, D. B. *J. Andaman Sci. Assoc.* **7** (2): 21. South Andamans: Labyrinth Islands (MGMNP- Jolly Buoy Island).
1991. *Ophiocoma dentata* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 380. Lakshadweep : Agatti, Androth, Kavaratti, Minicoy.
1999. *Ophiocoma dentata* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(1) : 92. Nicobars : Great Nicobar Island.
1999. *Ophiocoma dentata* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 19. Middle Andamans : Mayabunder.
2001. *Ophiocoma dentata* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 163. South Andamans : Ritchie's Archipelago (Inglis Island).
2004. *Ophiocoma dentata* : Sastry, D.R.K. *et al. Rec. zool. Surv. India*, **103**(1-2) : 61. Nicobars : Great Nicobar Island (Poonam Nalla).
2005. *Ophiocoma dentata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 58. Middle Andamans : Mayabunder; South Andamans : Port Blair, Kaudiaghat, Little Andaman; Nicobars : Car Nicobar, Kamorta, Nancowry, Katchal, Trinket, Great Nicobar.

Material : Tamil Nadu : Gulf of Mannar (Tuticorin).

49. *Ophiocoma doederleini* de Lorient

1899. *Ophiocoma doederleini* de Lorient. *Mém. Soc. Phys. Hist. nat. Genève*, **33** (part 2, no. 1) : 30.
1905. *Ophiocoma doederleini* : Kochler, R. *Siboga Exped. Monogr.*, **45b** : 60.
1988. *Ophiocoma doederleini* : James, D.B. *J. Andaman Sci. Assoc.*, **4**(2) : 139. South Andamans : Port Blair.
2005. *Ophiocoma doederleini* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 59. Andaman Islands.

50. *Ophiocoma erinaceus* Müller and Troschel

1842. *Ophiocoma erinaceus* Müller, J. and Troschel, F.H. *System der Asteriden*, p. 98
1888. *Ophiocoma erinaceus* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1895. *Ophiocoma erinaceus* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3**(II) : 115. Tamil Nadu : Gulf of Mannar (Pamban).
1898. *Ophiocoma erinaceus* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 79. Andaman Island, 37 m (20 fms.); Lakshadweep.
1902. *Ophiocoma erinaceus* : Bell, F.J. In : J.S. Gardiner (ed.), *The Fauna and Geography of the Maldiva and Laccadive Archipelagoes*, **1** : 228. Lakshadweep : Minicoy.
1922. *Ophiocoma erinaceus* : Kochler, R. *U.S. natn. Mus. Bull.*, **100**(Vol. 5) : 322.
1969. *Ophiocoma erinaceus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 56. South Andamans : Port Blair. Lakshadweep : Bitra. Minicoy.
1971. *Ophiocoma erinaceus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 86-87 (distribution) and 119 (key).
1978. *Ophiocoma erinaceus* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 169.
1983. *Ophiocoma erinaceus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. South Andamans : Port Blair, intertidal.
1987. *Ophiocoma erinaceus* : James, D.B. *J. mar. biol. Ass.*, **24**(1982) : 38. Lakshadweep : Lakshadweep : Bitra, Minicoy; South Andamans: Port Blair.
1991. *Ophiocoma erinaceus* : James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 21. South Andamans : Labyrinth Islands (MGMNP- Jolly Buoy Island).
1991. *Ophiocoma erinaceus* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 380. Lakshadweep : Agatti, Kadamat, Kavaratti, Minicoy.
1999. *Ophiocoma erinaceus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(1) : 92. Nicobars : Great Nicobar Island.
1999. *Ophiocoma erinaceus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 19. North Andamans : Swamp. Dotrel. Interview, Egg, Avis and Curlew (B.P.) Islands; Diglipur (Tentul Tikri, Aerial Bay). Ray Hill: Middle Andamans : Mayabunder.
2001. *Ophiocoma erinaceus* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 163. South Andamans : Ritchie's Archipelago (Havelock, Neil and Inglis Islands).

2004. *Ophiocoma erinaceus* : Sastry, D.R.K. et al. *Rec. zool. Surv. India*, **103**(1-2) : 61. Nicobars : Great Nicobar Island.
2005. *Ophiocoma erinaceus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 59. Andaman and Nicobar Islands.

51. *Ophiocoma lubrica* Koehler

1898. *Ophiocoma lubrica* Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 77. Lakshadweep, 55-91 m (30-50 fms.).

52. *Ophiocoma pica* Müller and Troschel

1842. *Ophiocoma pica* Müller, J. and Troschel, F.H. *System der Asteriden*, p. 101.
1922. *Ophiocoma lineolata* (Müller and Troschel) : Koehler, R. *U.S. natn. Mus. Bull.*, **100**(Vol. 5) : 324.
1969. *Ophiuocoma pica* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 56. Lakshadweep : Chetlat; Nicobar : Nancowry.
1971. *Ophiuocoma pica* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 86-87 (distribution) and 118 (key).
1978. *Ophiocoma pica* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 172.
1983. *Ophiocoma pica* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Nicobar, 5 m.
1987. *Ophiocoma pica* : James, D.B. *J. mar. biol. Ass.*, **24**(1982) : 37. Lakshadweep : Chetlat; Nicobars : Nancowry
1991. *Ophiocoma pica* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 381. Lakshadweep : Kavaratti, Minicoy.
2005. *Ophiocoma pica* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 60. Nicobar Islands : Nancowry, Trinket.

53. *Ophiocoma pusilla* (Brock)

1888. *Ophiomastix pusilla* Brock, J. *Zeit. f. wess. Zool.*, **47**(3) : 499.
1922. *Ophiomastix pusilla* : Koehler, R. *U.S. natn. Mus. Bull.*, **100**(Vol. 5) : 65.
1970. *Ophiocoma pusilla* : Devaney, D.M. *Smithsonian Contributions in Zoology*, No., **51** : 1041. Revision of the species of the genus, key to the known species, synonymy, descriptions and distribution. *O. latilanza* Murakami as synonym of *O. pusilla*.
1971. *Ophiomastix pusilla* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 86-87 (distribution) and 118 (key).
1978. *Ophiocoma pusilla* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 173.
1999. *Ophiocoma pusilla* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 19. North Andamans : Diglipur (Tentul Tikri).
2001. *Ophiocoma pusilla* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 163. South Andamans : Ritchie's Archipelago (Neil Island).

2005. *Ophiocoma pusilla* : Sastry, D. R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 60. North Andamans : Diglipur; South Andamans : Ritchie's Archipelago (Havelock, Neil); Nicobars : Kamorta, Nancowry.

54. *Ophiocoma scolopendrina* (Lamarck)

1816. *Ophiura scolopendrina* Lamarck, J.B.P.A. de *Histoire naturelle des animaux sans vertèbres*, **2** : 544.
1887. *Ophiuocoma scolopendrina* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140. Andamans.
1888. *Ophiuocoma scolopendrina* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 388. Bay of Bengal.
1898. *Ophiocoma scolopendrina* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 79. Myanmar : Yé.
1902. *Ophiocoma scolopendrina* : Bell, F.J. In : J.S. Gardiner (ed.), *The Fauna and Geography of the Maldive and Laccadive Archipelagoes*, **1** : 228. Lakshadweep : Minicoy.
1922. *Ophiocoma scolopendrina* : Koehler, R. *U.S. natn. Mus. Bull.*, **100**(Vol. 5) : 325.
1927. *Ophiocoma scolopendrina* : Gravely, F.H. *Bull. Madras Govt. Mus. (Nat. Hist.)*, **1**(1) : 170. Tamil Nadu : Gulf of Mannar (Krusadai Island).
1965. *Ophiocoma scolopendrina* : Clark, A.M. *Bull. Br. Mus. nat. Hist. (Zool.)*, **13**(2) : 69.
1969. *Ophiocoma scolopendrina* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 56. South Andamans : Port Blair; Middle Andamans : Rangat Bay; Lakshadweep : Minicoy.
1971. *Ophiocoma scolopendrina* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 86-87 (distribution) and 119 (key).
1978. *Ophiocoma scolopendrina* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 175.
1983. *Ophiocoma scolopendrina* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. South Andamans : Port Blair. intertidal.
1985. *Ophiocoma scolopendrina* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985. Paper No.*, **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Ophiocoma scolopendrina* : James, D.B. *J. mar. biol. Ass.* **24**(1982) : 38. Lakshadweep : Minicoy; South Andamans : Port Blair.
1988. *Ophiocoma scolopendrina* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1991. *Ophiocoma scolopendrina* : James, D.B. *J. Andaman Sci. Assoc. No.*, **7**(2) : 20. South Andamans : Labyrinth Islands (MGMNP-Jolly Buoy Island).
1991. *Ophiocoma scolopendrina* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 381. Lakshadweep : Kadamat, Minicoy.
1999. *Ophiocoma scolopendrina* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(1) : 92. Nicobars : Great Nicobar Island.
1999. *Ophiocoma scolopendrina* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 19. North Andamans : Sound Island; Middle Andamans : Mayabunder.
2001. *Ophiocoma scolopendrina* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 164. South Andamans : Ritchie's Archipelago (Nicholson, Havelock, Neil and Inglis Islands).

2005. *Ophiocoma scolopendrina* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 60. Andaman and Nicobar Islands.

54a. *Ophiocoma valenciae* Müller and Troschel

1842. *Ophiocoma valenciae* Müller, J. and Troschel, F.H. *System der Asteriden*, p. 102.
1902. ?*Ophiocoma valenciae* : Bell, F.J. In : J.S. Gardiner (ed.), *The Fauna and Geography of the Maldives and Laccadive Archipelagoes*, **1** : 228. Lakshadweep : Minicoy. Identity doubted by A.M. Clark and F.W.E. Rowe (1971).
1971. *Ophiocoma valenciae* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 86-87 (distribution) and 119 (key).
1978. *Ophiocoma valenciae* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 176.
1991. *Ophiocoma valenciae* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 382. Devaney, D.M. (1970) and Clark and Rowe (1971) restricted the range from Persian Gulf and East Coast of Africa to Mascarene Islands in the western Indian Ocean doubting the further eastern records.

55. *Ophiocomella sexradia* (Duncan)

1887. *Ophiocnida sexradia* Duncan, P.M. *J. Linn. Soc. Lond. (Zool.)*, **21** : 92. Myanmar : Mergui Archipelago (Owen Island).
1888. *Ophiocnida sexradia* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384, 387. Tamil Nadu : Gulf of Mannar (Tuticorin).
1969. *Ophiocomella sexradia* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 56. South Andamans : Port Blair; Lakshadweep : Bitra; Tamil Nadu : Gulf of Mannar (Mandapam).
1971. *Ophiocomella sexradia* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 86-87 (distribution) and 118 (key).
1978. *Ophiocomella sexradia* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 178.
1983. *Ophiocomella sexradia* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. South Andamans : Port Blair, intertidal.
1985. *Ophiocomella sexradia* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Ophiocomella sexradia* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1991. *Ophiocomella sexradia* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 382. Lakshadweep : Kavaratti.
2004. *Ophiocomella sexradia* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat, Part 2* : 196. Gujarat : Dwaraka, Gulf of Kachchh (Okha).
2005. *Ophiocomella sexradia* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 61. Andaman Islands.

56. *Ophiomastix annulosa* (Lamarck)

1816. *Ophiura annulosa* Lamarck, J.B.P.A. de, *Histoire Naturelle des animaux sans vertebres*, 2 : 543.
1887. *Ophiomastix annulosa* : Bell, F.J. *Proc. zool. Soc. Lond.*, 1887 : 140. Andamans.
1898. *Ophiomastix annulosa* : Koehler, R. *Bull. scient. Fr. Belg.*, 31 : 85. Andaman Islands, on the reefs.
1902. *Ophiomastix annulosa* : Bell, F.J. In : J.S. Gardiner (ed.), *The Fauna and Geography of the Maldives and Laccadive Archipelagoes*, 1 : 229. Lakshadweep : Minicoy.
1905. *Ophiomastix annulosa* : Koehler, R. *Siboga Exped. Monogr.*, 45b : 65.
1927. *Ophiomastix annulosa* : Hertz, M. *Wiss. Ergebn. dt. Tiefsee-Exped. "Valdivia"*, 22(3) : 62.
1969. *Ophiomastix annulosa* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 56. South Andamans : Port Blair; Nicobars : Car Nicobar; Lakshadweep: Minicoy.
1971. *Ophiomastix annulosa* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 86-87 (distribution) and 120 (key).
1983. *Ophiomastix annulosa* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 90. South Andamans : Port Blair, intertidal.
1991. *Ophiomastix annulosa* : James, D.B. *J. Andaman Sci. Assoc.*, 7(2) : 20. South Andamans : Labyrinth Islands (MGMNP-Jolly Buoy Island).
1991. *Ophiomastix annulosa* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 382. Lakshadweep : Minicoy.
1999. *Ophiomastix annulosa* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, 15(1) : 92. Nicobars : Great Nicobar Island.
1999. *Ophiomastix annulosa* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, 15(2) : 19. North Andamans : Ray Hill; Middle Andamans : Mayabunder.
2001. *Ophiomastix annulosa* : Sastry, D.R.K. *Rec. zool. Surv. India*, 99 : 164. South Andamans : Ritchie's Archipelago (Neil and Inglis Islands).
2005. *Ophiomastix annulosa* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 62. Andaman and Nicobar Islands.

57. *Ophiopsila pantherina* Koehler

1898. *Ophiopsila pantherina* Koehler, R. *Bull. scient. Fr. Belg.*, 31 : 73. North Andamans : Table Island, 27-64 m (15-35 fms.); King's Island, Mergui Archipelago, 7 m (4 fms.).
1971. *Ophiopsila pantherina* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 88-89 (distribution) and 121 (key).
1983. *Ophiopsila pantherina* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 90. Andaman Island, 6-67 m.
2005. *Ophiopsila pantherina* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 62. Andaman and Nicobar Islands.

Family OPHIONEREIDAE

58. *Ophiochiton ambulator* Koehler

1897. *Ophiochiton ambulator* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 337. Goa : 72° 38' 10'' E 15° 05' 03'' N, 1273 m (696 fms.); Maldives, 7° 05' 45'' N 75° 04' E, 1315 m (719 fms.); Bay of Bengal; Sri Lanka : Trincomale, 366-640 m (200-350 fms.); Pakistan : Coast of Baluchistan, 1628 m (890 fms.).
1899. *Ophiochiton ambulator* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 49. Off Andhra Pradesh : Godavary Delta, 494 m (270 fms.); Off Kerala : Malabar Coast, 75° 36' 30'' E 9° 34' 57'' N, 741 m (405 fms.).
1904. *Ophiochiton ambulator* : Koehler, R. *Siboga Exped. Monogr.*, 45a : 70.

Material : Kerala : West of Thiruvananthapuram.

59. *Ophiochiton modestus* Koehler

1897. *Ophiochiton modestus* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 340. Andaman Island, 485 m (265 fms.).
1899. *Ophiochiton modestus* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 51. Andaman Is, 485m (265 fms).
1983. *Ophiochiton modestus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 90. Andaman Island, 484 m.
2005. *Ophiochiton modestus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 62. Andaman Islands.

60. *Ophionereis andamanensis* James

1987. *Ophionereis andamanensis* James, D.B. *J. mar. biol. Ass. India*, 24(1982) : 33. South Andamans : Port Blair.
2005. *Ophionereis andamanensis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 62. South Andamans : Port Blair (Type material).

61. *Ophionereis dubia* (Müller and Troschel)

1842. *Ophiolepis dubia* Müller, J. and Troschel, F.H. *System der Asteriden*, p. 94.
1895. *Ophionereis dubia* : Thurston, E. *Madras Govt. Mus. Bull. No.*, 3(II) : 115. Tamil Nadu : Gulf of Mannar (Tuticorin).
1953. *Ophionereis dubia* : Clark, A.M. *Proc. zool. Soc. Lond.*, 123(1) : 83 Revision of the genus with assessment of the species. Gulf of Suez, Persian Gulf, Madras, Sri Lanka, Macclesfield Bank, China, Amboina, northern coast of Australia; up to 230 m, most often taken in about 30 m or less.
1962. *Ophionereis dubia* : Sane, S.R. and Chhapgar, B.F. *J. Bombay nat. Hist. Soc.*, 59(2) : 673. Maharashtra : Bombay.
1969. *Ophionereis dubia* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 56. Tamil Nadu : Gulf of Mannar (Tuticorin).

1971. *Ophionereis dubia* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, (distribution) 88-89 and 122 (key).
1978. *Ophionereis dubia* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 203.
1985. *Ophionereis dubia* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Ophionereis dubia* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
2004. *Ophionereis dubia* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat, Part 2* : 195. Gujarat : Gulf of Kachchh (Sikka, Pirotan Island).
2005. *Ophionereis dubia* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 63. South Andaman Islands (Rutland Island).

Material : Andhra Pradesh : Visakhapatnam (shingle bed at Palm Beach, D.R.K. Sastry, 18.2.1985, 9 specs; rocks at Jalaripeta D.R.K. Sastry, 20.2.1985, one spec.).

62. *Ophionereis porrecta* Lyman

1860. *Ophionereis porrecta* Lyman, T. *Proc. Boston Soc. nat. Hist.*, **7** : 260.
1898. *Ophionereis porrecta* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 75. Lakshadweep, 55-91 m (30-50 fms.); Andaman Island, 31-37 m (17-20 fms.). Sri Lanka. Galle, 62 m (34 fms.).
1905. *Ophionereis porrecta* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 53.
1953. *Ophionereis porrecta* : Clark, A.M. *Proc. zool. Soc. Lond.*, **123**(1) : 80. Revision of the genus with assessment of the species. Hawaii, south and west to Polynesia, Malaya, Indian Ocean. ?SE Africa: from shore to about 60 m..
1971. *Ophionereis porrecta* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 88-89 (distribution) and 122 (key).
1983. *Ophionereis porrecta* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.* 34: 90. Andamans: Port Blair, intertidal.
1991. *Ophionereis porrecta* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 383. Lakshadweep : Off Kiltan Island; 55-91 m.
2005. *Ophionereis porrecta* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 63. South Andamans.

Family OPHIODERMATIDAE

63. *Bathypectinura heros* (Lyman)

1879. *Pectinura heros* Lyman, T. *Bull. Mus. comp. Zool. Harv.*, **VI**(2) : 48.
1883. *Pectinura tessellata* Lyman, T. *Bull. Mus. comp. Zool. Harv.*, **10**(6) : 230.
1883. *Pectinura lacertosa* Lyman, T. *Bull. Mus. comp. Zool. Harv.*, **10**(6) : 231.
1897. *Pectinura conspicua* Koehler, R. *Ann. Sci. nat. Zool.*, (8)**IV** : 322. Andhra Pradesh : Off Godavary Delta. 16° 01' N 81° 25' 25'' E, 750 m (410 fms.).

1897. *Pectinura heros* : Kochler, R. *Ann. Sci. nat. Zool.*, (8)IV : 325. Lakshadweep, $12^{\circ} 05' 35''$ N $71^{\circ} 35' 59''$ E. 1582-1609 m (865-880 fms.).
1899. *Pectinura conspicua* : Kochler, R. *Echinodermia of the Indian Museum*, Part I : 37. Andhra Pradesh : Off Godavary Delta. $16^{\circ} 01'$ N $81^{\circ} 25' 25''$ E. 750 m (410 fms.).
1899. *Pectinura heros* : Kochler, R. *Echinodermia of the Indian Museum*, Part I : 38. Lakshadweep, $12^{\circ} 05' 35''$ N $71^{\circ} 35' 59''$ E. 1582-1609 m (865-880 fms.).
1904. *Pectinura conspicua* : Kochler, R. *Siboga Exped. Monogr.*, **45a** : 9.
1904. *Pectinura heros* : Kochler, R. *Siboga Exped. Monogr.*, **45a** : 9.
1965. *Bathypectinura conspicua* : Clark, A.M. *Bull. Br. Mus. nat. Hist. (Zool.)*, **13**(2) : 70.
1973. *Bathypectinura heros* : Madsen, F.J. *Galathea Rep.*, **12** : 133. Revision of the species. Atlantic, Indian and West-Pacific Oceans.
1981. *Bathypectinura heros* : Guile, A. *Memoires ORSTOM*, **91** : 447.

64. *Gymnopelta indica* (Kochler)

1897. *Ophioconis indica* Kochler, R. *Ann. Sci. nat. Zool.*, (8)IV : 325. Andamans.
1899. *Ophioconis indica* : Kochler, R. *Echinodermia of the Indian Museum*, Part I : 39.
1922. *Gymnopelta indica* : Kochler, *Bull. U.S. nat. Mus. No.*, **100** (Vol. 5) : 15.
1983. *Ophioconis indica* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Andaman Island. 82m.
2005. *Gymnopelta indica* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 63. Andaman Islands.

65. *Ophiarachna incrassata* (Lamarck)

1816. *Ophiura incrassata* Lamarck, J.B.P.A. de, *Hist. nat. anim. s. vert.*, **2** : 542.
1887. *Ophiarachna incrassata* : Bell, F. J. *Proc. zool. Soc. Lond.*, **1887** : 140. Andamans.
1909. *Ophiarachna incrassata* : Clark, H.L. *Bull. Mus. comp. Zool. Harv.*, **52**(7) : 128.
1971. *Ophiarachna incrassata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 88-89 (distribution) and 123 (key).
1983. *Ophiarachna incrassata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Andaman Island.
2005. *Ophiarachna incrassata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 63. South Andamans (Port Blair).

66. *Ophiarachnella gorgonia* (Müller and Troschel)

1842. *Ophiarachna gorgonia* Müller, J. and Troschel, F.H. *System der Asteriden*, p. 105.
1887. *Pectinura gorgonia* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140. Andamans.
1888. *Pectinura gorgonia* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).

1888. *Pectinura gorgonia* : Bell, F.J, *Proc. zool. Soc. Lond.*, **1888** : 387. Bay of Bengal.
1895. *Pectinura gorgonia* : Thurston, E. *Madras Govt. Mus. Bull.* No., **3(II)** : 115. Tamil Nadu : Gulf of Mannar (Pamban).
1898. *Pectinura gorgonia* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 59. Andaman Islands; Sri Lanka. (part) 20-75 m (11-41 fms.).
1905. *Pectinura gorgonia* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 8.
1909. *Ophiarachnella gorgonia* : Clark, H.L. *Bull. Mus. comp. Zool. Harv.*, **52(7)** : 123. Natal; India : Tamil Nadu (Madras), Andamans : Philippines etc.
1922. *Ophiarachnella gorgonia* : Koehler, R. *U.S. natn. Mus. Bull.*, **100** (Vol. 5) : 339.
1965. *Ophiarachnella gorgonia* : Clark, A.M. *Bull. Br. Mus. nat. Hist. (Zool.)*, **13(2)** : 66.
1969. *Ophiarachnella gorgonia* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.* No., **7** : 56. South Andamans : Port Blair.
1971. *Ophiarachnella gorgonia* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 88-89 (distribution) and 125 (key).
1978. *Ophiarachnella gorgonia* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 217.
1983. *Ophiarachnella gorgonia* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.* No., **34** : 90. South Andamans : Port Blair, intertidal.
1985. *Ophiarachnella gorgonia* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Ophiarachnella gorgonia* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
2005. *Ophiarachnella gorgonia* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper* No., **233** : 64. Andaman Islands.

67. *Ophiarachnella infernalis* (Müller and Troschel)

1842. *Ophiarachna infernalis* Müller, J and Troschel, F.H. *System der Asteriden*. p. 103.
1895. *Pectinura infernalis* : Thurston, E. *Madras Govt. Mus. Bull.* No., **3(II)** : 115. Tamil Nadu : Gulf of Mannar (Tuticorin).
1905. *Pectinura infernalis* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 7.
1909. *Ophiarachnella infernalis* : Clark, H.L. *Bull. Mus. comp. Zool. Harv.*, **52(7)** : 124.
1971. *Ophiarachnella infernalis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 88-89 (distribution) and 125 (key).
1983. *Ophiarachnella infernalis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.* No., **34** : 90. South Andamans : Port Blair, intertidal.
1999. *Ophiarachnella infernalis* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15(2)** : 19. North Andamans : Interview Island, Egg Island.

2005. *Ophiarachnella infernalis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 64. North Andamans : Interview Island, Egg Island; Nicobars- Nancowry Island Andaman and Nicobar Islands.

68. *Ophiarachnella intermedia* (Bell)

1888. *Pectinura intermedia* Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 386. Tamil Nadu : Gulf of Mannar (Tuticorin).
 1895. *Pectinura intermedia* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3(II)** : 115. Tamil Nadu : Gulf of Mannar (Pamban).
 1969. *Ophiarachnella intermedia* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 56. Tamil Nadu : Gulf of Mannar (Tuticorin).

69. *Ophiarachnella megaloplax* (Bell)

1884. *Pectinura megaloplax* Bell, F.J. *Rep. Zool. Collns Voyage of H.M.S. "Alert"* p. 134. Australia (Queensland. 26 m).
 1909. *Ophiarachnella megaloplax* : Clark, H.L. *Bull. Mus. Comp. Zool.*, **52(7)** : 125. Australia : Queensland, 26 m (14 fms.).

Material : Tamil Nadu : Gulf of Mannar (Tuticorin).

70. *Ophiarachnella sphenesci* (Bell)

1894. *Pectinura sphenesci* Bell, F.J. *Proc. zool. Soc. Lond.*, **1894** : 406. Macclesfield Bank.
 1898. *Pectinura gorgonia* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 59. Andamans (part). [non : Müller and Troschel, 1842].
 1905. *Pectinura sphenesci* : Kochler, R. *Siboga Exped. Monogr.*, **45b** : 9.
 1909. *Ophiarachnella sphenesci* : Clark, H.L. *Bull. Mus. comp. Zool. Harv.*, **52(7)** : 124.
 1971. *Ophiarachnella sphenesci* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 88-89 (distribution) and 125 (key).

Material : Tamil Nadu : Gulf of Mannar (Tuticorin).

71. *Ophiocormus compsus* (A. M. Clark)

1968. *Ophiostegastus compsus* Clark, A.M. *Bull. Br. Mus. nat. Hist. (Zool.)*, **16** : 317.
 1971. *Ophiostegastus compsus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 90-91 (distribution) and 127 (key).
 2004. *Ophiocormus compsus* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat, Part 2* : 196. Matsumoto (1917) relegated *Ophiocormus* H.L. Clark, to the synonymy of *Ophioconis* Lütken. After examining the type specimens of *Ophiocormus notabilis* H.L. Clark, the type species of *Ophiocormus*, Fell (1960) revived *Ophiocormus* from the synonymy of *Ophioconis* and considered *Ophiostegastus* Murakami, a synonym of *Ophiocormus*. Gujarat : Gulf of Kachchh (Sikka).

72. *Ophiopeza custos* Koehler

1897. *Ophiopeza custos* Koehler, R. Ann. Sci. nat. Zool., (8)IV : 321. North Andamans : 8 miles west of Interview Island, 494-82 m (270-45 fms.).
1899. *Ophiopeza custos* : Koehler, R. Echinoderma of the Indian Museum, Part I : 35.
1983. *Ophiopeza custos* : James, D.B. Bull. cent. mar. Fish. Res. Inst. No., 34 : 90. Andaman Island.
2005. *Ophiopeza custos* : Sastry, D.R.K. Rec. zool. Surv. India, Occ. Paper No., 233 : 64. Andaman Islands.

73. *Ophiopeza fallax arabica* A. M.Clark

1968. *Ophiopeza fallax arabica* Clark, A.M. Bull. Br. Mus. Nat. Hist. (Zool.), 16 : 315. Type Locality : Persian Gulf, referred specimen from Pakistan reported later by Hoque, 1970 as *Ophiopeza fallax* (*vide infra*) to the new subspecies.
1970. *Ophiopeza fallax* : Hoque, Md. M. Rec. zool. Surv. Pakistan, 1(2) : 29 and 35. [non : Peters, 1851].
1971. *Ophiopeza fallax* : Clark, A.M. and Rowe, F.W.E. Monograph of shallow-water Indo-West Pacific echinoderms, 90-91 (distribution) and 127 (key).
1978. *Ophiopeza fallax* : Cherbonnier, G. and Guille, A. Faune de Madagascar, 48 : 225.
2004. *Ophiopeza fallax arabica* : Sastry, D.R.K. State Fauna Series 8 : Fauna of Gujarat, Part 2 : 197. Gujarat : Gulf of Kachchh (Pirotan Island).

74. *Ophiopsammus yoldii* (Lütken)

1856. *Ophiopeza yoldii* Lütken, C. Vidensk. Meddr dansk naturh. Foren, 1856 : 9.
1884. *Ophiopeza conjungens* Bell, F.J. Rep. Zool. Colln. 'Alert' p. 137.
1889. *Ophiopsammus conjungens* : Bell, F.J. Proc. zool. Soc. Lond., 1889 : 7. Bay of Bengal (Gulf of Martaban).
1909. *Pectinura yoldii* : Clark, H.L. Bull. Mus. comp. Zool. Harv., 52(7) : 119.
1922. *Pectinura yoldii* : Koehler, R. U.S. natn. Mus. Bull., 100 (Vol. 5) : 338. With synonym *Ophiopeza conjungens* Bell, F.J. (1884).
1971. *Ophiopsammus yoldii* : Clark, A.M. and Rowe, F.W.E. Monograph of shallow-water Indo-West Pacific echinoderms, 90-91 (distribution) and 127 (key).
2005. *Ophiopsammus yoldii* : Sastry, D.R.K. Rec. zool. Surv. India, Occ. Paper No., 233 : 64. Andaman Islands.

Family OPHIACANTHIDAE

75. *Ophiacantha abnormis* Lyman

1879. *Ophiacantha abnormis* Lyman, T. Bull. Mus. comp. Zool. Harv., VI(2) : 59.
1897. *Ophiacantha gratiosa* Koehler, R. Ann. Sci. nat. Zool., (8)IV : 346. Goa : 72° 43' E 15° 41' N, 812 m (444 fms.); South Andamans : South Sentinel Island, 439 m (240 fms.); Bay of Bengal, 353 m (193 fms.).

1899. *Ophiacantha gratiosa* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 56. Goa : 72° 43' E 15° 41' N, 812 m (444 fms.); South Andamans : South Sentinel Island, 439 m (240 fms.); Bay of Bengal, 353 m (193 fms.).
1922. *Ophiotreta gratiosa* : Koehler, R. *U.S. natn. Mus. Bull.*, **100** (Vol. 5) : 71.
1904. *Ophiacantha inutilis* : Koehler, R. *Siboga Exped. Monogr.*, **45a** : 111
1981. *Ophiotreta gratiosa* : Guile, A. *Memoires ORSTOM*, **91** : 427
1983. *Ophiacantha gratiosa* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 91. Andaman Island, 353-812 m.
1939. *Ophiacantha abnormis* : Clark, H.L. *John Murray Expedition, 1933-34. Sci. Rep.*, **VI**(Zool.) : 41. With *Ophiacantha gratiosa* Koehler as synonym.
1983. *Ophiacantha gratiosa* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. Andaman Island, 353-812 m.
2005. *Ophiacantha abnormis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 65. South Andaman Islands.

76. *Ophiacantha composita* Koehler

1897. *Ophiacantha composita* Koehler, R. *Ann. Sci. nat. Zool.*, (8)**IV** : 350. SW of Great Nicobar Island, 5° 56' N 91° 05' E, 2908 m (1590 fms.).
1899. *Ophiacantha composita* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 59. SW of Great Nicobar Island, 5° 56' N 91° 5' E, 2908 m (1590 fms.).
1904. *Ophiacantha composita* : Koehler, R. *Siboga Exped. Monogr.*, **45a** : 120.
1922. *Ophiacantha composita* : Koehler, R. *Bull. U.S. natn. Mus. No.*, **100** (Vol. 5) : 46.
1981. *Ophiacantha composita* : Guile, A. *Memoires ORSTOM*, **91** : 430. Philippines.
1983. *Ophiacantha composita* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. Nicobars, 2909m.
2005. *Ophiacantha composita* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 65. Nicobar Islands.

77. *Ophiacantha indica* Ljungman

1899. *Ophiacantha decora* Koehler, R. *Echinoderma of the Indian Museum*, Part I : 81. Andaman Island, 37 m (20 fms.). Myanmar : Torres Island (Jones Islandd), Mergui Archipelago, 73 m (40 fms.); Sri Lanka, 59-62m (32-34 fms.).
1971. *Ophiacantha indica* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 78-79 (distribution) and 93 (key).
1983. *Ophiacantha decora* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. Andaman Island, 36-65 m.
2005. *Ophiacantha indica* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 65. Andaman Islands.

78. *Ophiacantha pentagona* Koehler

1897. *Ophiacantha pentagona* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 342. West Coast of Middle Andamans : Cape Bluff, 686 m (375 fms.); South Andaman Islands : Cinque Island, 219 m (120 fms.); North Sentinel Island, 457 m (250 fms.); South Sentinel Island, 439 m (240 fms.).
1899. *Ophiacantha pentagona* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 53. West of Middle Andamans : Cape Bluff, 686 m (375 fms); South Andamans : Cinque Island, 219 m (120 fms); North Sentinel Island, 457 m (250 fms); South Sentinel Island, 439 m (240 fms).
1904. *Ophiacantha pentagona* : Koehler, R. *Siboga Exped. Monogr.*, **45a** : 110.
1922. *Ophiacantha pentagona* : Koehler, R. *U.S. natn. Mus. Bull.*, **100** (Vol. 5) : 59.
1965. *Ophiacantha pentagona* : Clark, A. M. *Bull. Br. Mus. nat. Hist. (Zool.)*, **13**(2) : 66.
1981. *Ophiacantha pentagona* : Guile, A. *Memoires ORSTOM*, **91** : 430.
1983. *Ophiacantha pentagona* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. Andaman Island, 219-525 m.
2005. *Ophiacantha pentagona* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 65. Andaman Islands.

79. *Ophiacantha sociabilis* Koehler

1897. *Ophiacantha sociabilis* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 348. West of South Andaman Islands : 11° 15' N 91° 16' E, 3365 m (1840 fms.); Bay of Bengal, 12° 20' N 85° 08' 06'' E, 3297 m (1803 fms.).
1899. *Ophiacantha sociabilis* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 58. West of South Andaman Islands : 11° 15' N 91° 16' E, 3365 m (1840 fms.); Bay of Bengal, 12° 20' N 85° 08' 06'' E, 3297 m (1803 fms.).
1983. *Ophiacantha sociabilis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 91. Andaman Island, 3299-3367 m.
2005. *Ophiacantha sociabilis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 66. Andaman Islands.

80. *Ophiacantha vagans* Koehler

1899. *Ophiacantha vagans* Koehler, R. *Echinoderma of the Indian Museum*, Part I : 83. Orissa : Ganjam Coast, 51 m (28 fms.). Myanmar : Mergui Archipelago (Torres Island i. e. Jones Island), 73 m (40 fms.).

81. *Ophiacantha vestita* Koehler

1897. *Ophiacantha vestita* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 344. Andhra Pradesh : 13° 41' 27'' N 80° 22' E, 357-384 m (195-210 fms.); South Andamans : North Sentinel Island, 457 m (250 fms.).
1899. *Ophiacantha vestita*: Koehler, R. *Echinoderma of the Indian Museum*, Part I : 54. Andhra Pradesh : 13° 41' 27'' N 80° 22' E, 357-384 m (195-210 fms); South Andamans : North Sentinel Island, 457m (250 fms).

1983. *Ophiacantha vestita* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. Andaman Island. 356m.
2005. *Ophiacantha vestita* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 66. South Andaman Islands.

82. *Ophiacantha vorax* Koehler

1897. *Ophiacantha vorax* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 353. Kerala : Southwest of Thiruvananthapuram, 7° 04' N 76° 34' E, 1907 m (1043 fms.).
1899. *Ophiacantha vorax* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 62. Kerala : Southwest of Thiruvananthapuram, 7° 04' N 76° 34' E, 1907 m (1043 fms.).
1904. *Ophiacantha vorax* : Koehler, R. *Siboga Exped. Monogr.*, **45a** : 109.
1922. *Ophiacantha vorax* : Koehler, R. *U.S. natn. Mus. Bull.*, **100** (Vol. 5) : 63.

83. *Ophiocamax fasciculata* Lyman

1883. *Ophiocamax fasciculata* Lyman, T. *Bull. Mus. comp. Zool.*, **X** : 265.
1897. *Ophiocamax fasciculata* : Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 360. South Andamans : 13 miles SW of North Sentinel Island, 238-457 m (130-250 fms.).
1899. *Ophiocamax fasciculata* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 67. South Andamans : 13 miles SW of North Sentinel Island, 238-457 m (130-250 fms.).
1983. *Ophiocamax fasciculata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. Andaman Island.
2005. *Ophiocamax fasciculata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 66. South Andaman Islands.

84. *Ophiocamax rugosa* Koehler

1904. *Ophiocamax rugosa* Koehler, R. *Siboga Exped. Monogr.*, **45a** : 139. 5°-10° 40' S to 119°-132° 26' E, 204-520 m.
1922. *Ophiocamax rugosa* : Koehler, R. *U.S. natn. Mus. Bull.*, **100** (Vol. 5) : 147.
1981. *Ophiocamax rugosa* : Guile, A. *Memoires ORSTOM*, **91** : 423. Philippines.
2005. *Ophiocamax rugosa* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 66. South Andaman Islands.

85. *Ophiomitra integra* Koehler

1897. *Ophiomitra integra* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 356. South Andamans : Between North and South Sentinel Islands, 402-439 m (220-240 fms.).
1899. *Ophiomitra integra* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 64. South Andamans : Between North and South Sentinel Islands, 402-439 m (220-240 fms.).
1983. *Ophiometra integra* (sic!) : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. Andaman Island.

2005. *Ophiomitra integra* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 66. South Andaman Islands.

86. *Ophioplinthaca rudis* (Koehler)

1897. *Ophiomitra rudis* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 358. Andaman Islands, 1426 m (780 fms.).
1899. *Ophiomitra rudis* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 65. Lakshadweep : 10° 47' 50'' N, 73° 40' 20'' E 1289 m (705 fms.); Andaman Islands, 1426 m (780 fms.). Maldives, 7° 05' 45'' N, 75° 04' E 1315 m (719 fms.).
1904. *Ophioplinthaca rudis* : Koehler, R. *Siboga Exped. Monogr.*, **45a** : 132.
1922. *Ophioplinthaca rudis* : Koehler, R. *U.S. natn. Mus. Bull.*, **100** (Vol. 5) : 142.
1981. *Ophioplinthaca rudis* : Guile, A. *Memoires ORSTOM*, **91** : 425. Philippines.
1983. *Ophiomitra rudis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. Andaman Island, 1290m.
2005. *Ophioplinthaca rudis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 66. North and South Andaman Islands.

87. *Ophiotreta matura* (Koehler)

1904. *Ophiacantha matura* Koehler, R. *Siboga Exped. Monog.*, **45a** : 112. 5° 26' 6 S 132° 32' 5 E, 797 m.
1922. *Ophiotreta matura* : Koehler, R. *Bull. U.S. natn. Mus. No.*, **100** (Vol. 5) : 76.

Material : Lakshadweep : Investigator St. 245. Sea, 12° 40' 28'' N 74° 02' 45'' E, 821-850 m (449-465 fms.), one specimen.

Family HEMIEURYALIDAE

88. *Ophiomoeris tenera* (Koehler)

1897. *Ophioceramis tenera* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 317. Karnataka : 13° 47' 49'' N 73° 07' E, 1163 m (636 fms.); Andaman Islands, 485 m (265 fms.).
1899. *Ophioceramis tenera* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 33. Karnataka : 13° 47' 49'' N 73° 7' E, 1163 m (636 fms); Andaman Islands, 485 m (265 fms.).
1922. *Ophiomoeris tenera* : Koehler, R. *U.S. natn. Mus. Bull.*, **100** (Vol. 5) : 40.
1983. *Ophioceramis tenera* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. Andaman Island, 474-1163 m.
2005. *Ophiomoeris tenera* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 67. Andaman Islands.

Family OPHIACTIDAE

89. *Ophiactis acosmeta* H. L. Clark

1971. *Ophiactis acosmeta* H.L. Clark : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 82-83 (distribution) and 104 (key).

Material : Kerala.

90. *Ophiactis brachyura* Döderlein

1971. *Ophiactis brachyura* Döderlein : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 82-83 (distribution) and 104 (key).
2004. *Ophiactis brachyura* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat*, Part 2 : 194. One from Veraval and one from Holiday Camp are five armed and the rest six armed; in one the dorsal arm plates are elliptical while in the rest they are fan-shaped. Gujarat : Veraval, Holiday Camp.

91. *Ophiactis delagoa* Balinsky

1957. *Ophiactis delagoa* Balinsky. J.B. *Ann. Natal Mus.*, **14** : 12.
1971. *Ophiactis delagoa* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 82-83 (distribution) and 104 (key).
1995. *Ophiactis delagoa* : Sastry, D.R.K. *Estuarine Ecosystem Series*, Part 2 : *Hugli Matla Estuary*, p. 334. Fine sandy habitats. West Bengal : Mouth of Hugli River (Bakkhali, Sagar Island), Matla (Pareymari).
1998. *Ophiactis delagoa* : Sastry, D. R. K. *State Fauna Series 3 : Fauna of West Bengal*, Part **10** : 477. West Bengal : Mouth of Hugli River (Bakkhali, Sagar Island), Matla (Pareymari), Digha.
2005. *Ophiactis delagoa* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 67. Andaman Islands.

92. *Ophiactis flexuosa* var. *perplexa* Koehler

1897. *Ophiactis perplexa* Koehler, R. *Ann. Sci. nat. Zool.*, (8)**IV** : 327. Kerala : Southwest of Thiruvananthapuram. 7° 05' 45'' N 75° 04' E. 1315 m (719 fms.).
1899. *Ophiactis perplexa* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 40. Kerala : Southwest of Thiruvananthapuram. 7° 05' 45'' N 75° 04' E. 1315 m (719 fms.).
1904. *Ophiactis flexuosa* var. *perplexa* : Koehler, R. *Siboga Exped. Monogr.*, **45a** : 95.

93. *Ophiactis maculosa* von Martens

1870. *Ophiactis maculosa* von Martens, E. *Mber. dt. Akad. Wiss. Berl.*, **36**(1867) : 248.
1922. *Ophiactis maculosa* : Koehler, R. *U.S. natn. Mus. Bull.*, **100** (Vol. 5) : 190.
1971. *Ophiactis maculosa* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 82-83 (distribution) and 105 (key).

Material : Andhra Pradesh : Srikakulam District (Bandaruvani Peta. D.R.K. Sastry, 15.2.1995, two specimens; D.R.K. Sastry; 17.2.1995, one specimen); Visakhapatnam District (Visakhapatnam- boulders at Palm Beach, D.R.K. Sastry; 22.2.1995, one specimen; Kailasa Hill, D.R.K. Sastry, 24.2.1995, four specimens; Yarada- D.R.K. Sastry; 28.2.1995, four specimens; Bheemunipatnam- D.R.K. Sastry, 1.3.1995, three specimens); Tamil Nadu : Chennai, Gulf of Mannar.

Description : Disc diameter 2 to 3.5 mm. Disc scales large and rounded, spines on disc plates at the interradial margin. Radial shields large, at least half as long as the disc radius, broadest distally, distally in contact or closely approximating, separated proximally by two narrow elongate plates. Dorsal arm plates twice as broad as long, broader distally from 8th to 10th plate, successive plates broadly in contact with each other distal margin straight. Lateral arm plates with 4 to 5 spines, rarely six on odd plates, shorter than the breadth of the segment, 2nd or 3rd from above longest, upper spines of proximal segments with a backwardly directed pointed spike at the distal end, pointed or blunt after about 10th segment. Adoral shields separated interradially, meeting or separated radially but separating the first two ventral arm plates. Distal oral papilla single, no dental papilla.

Remark : First record from India (Andhra Pradesh and Tamil Nadu).

94. *Ophiactis modesta* Brock

1888. *Ophiactis modesta* Brock, J.Z. *weiss. Zool.*, **47** : 482.
1962. *Ophiactis savignyi* : Sane, S.R. and Chhapgar, B.F. *J. Bombay nat. Hist. Soc.*, **59**(2) : 673. [non : *Ophiopsis savignyi* Müller, J. and Troschel, F.H. 1842. *System der Asteriden*, 95]. Maharashtra : Bombay.
1969. *Ophiactis modesta* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 55. Tamil Nadu : Gulf of Mannar (Rameswaram).
1971. *Ophiactis modesta* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 82-83 (distribution) and 105 (key).
1983. *Ophiactis modesta* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. South Andamans : Port Blair, intertidal.
1985. *Ophiactis modesta* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985. Paper No.*, **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Ophiactis modesta* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1995. *Ophiactis modesta* : Sastry, D.R.K. *Estuarine Ecosystem Series, Part 2 : Hugli Matla Estuary*, p. 334. Variation in dorsal arm plates and adoral shields. West Bengal : Matla (Panchamukhani, Port Canning).
1998. *Ophiactis modesta* : Sastry, D.R.K. *State Fauna Series 3 : Fauna of West Bengal, Part 10* : 477. Great variation in the adoral shields, upper spine- not the second- is the longest; separation of *O. conferta* and *O. versicolor* not satisfactory. West Bengal : Matla (Port Canning, Matla). Digha.
2001. *Ophiactis modesta* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 161. South Andamans : Ritchie's Archipelago (Sir William Peel Island).
2005. *Ophiactis modesta* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 67. South Andamans : Ritchie's Archipelago (Sir William Peel Island).

Material : Andhra Pradesh : Visakhapatnam; Tamil Nadu : Chennai, Gulf of Mannar.

95. *Ophiactis picteti* (de Loriol)

1893. *Ophiocnida picteti* de Loriol, *Rev. Suisse Zool.*, **1** : 65.
1898. *Ophiocnida picteti* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 67.
1971. *Ophiocnida picteti* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 82-83 (distribution) and 104 (key).
1978. *Ophiactis picteti* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 123.
1983. *Ophiocnida picteti* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Andaman Island, 12-18 m.
2005. *Ophiactis picteti* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 67. Andaman Islands.

96. *Ophiactis savignyi* (Müller and Troschel)

1842. *Ophiolepis savignyi* Müller, J. and Troschel, F.H. *System der Asteriden*, p. 95.
1879. *Ophiactis affinis* Duncan, P.M. *J. Linn. Soc. Lond.*, **XIV** : 469.
1888. *Ophiactis savignii* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 388. Bay of Bengal.
1895. *Ophiactis savignyi* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3(II)** : 115. Tamil Nadu : Gulf of Mannar (Pamban), in the canal system of sponge *Suberites inconstans*.
1898. *Ophiactis affinis* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 72. Orissa : Chilika Lake, 13-15 m (7-8 fms.). [?= Sta. 28. Off entrance to Chilika Lake, 13 m (7 fms.) or Sta. 36. Off Chilika Lake, 13-16 m (7-9 fms.)].
1898. *Ophiactis sexradia* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 72. Andamans : 0-66 m (0-36 fms.); Orissa : Ganjam Coast, 33 m (18 fms.). The locality is probably Station 23. 8 miles E of Mouth of Devi River, 29.12.1888. Kulima Island, on the corals.
1965. *Ophiactis savignyi* : Clark, A.M. *Bull. Br. Mus. nat. Hist. (Zool.)*, **13(2)** : 69.
1969. *Ophiactis savignyi* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 55. Lakshadweep : Minicoy; Tamil Nadu : Gulf of Mannar (Tuticorin, Mandapam, Palk Bay).
1971. *Ophiactis savignyi* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 82-83 (distribution) and 103 (key).
1978. *Ophiactis savignyi* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 125.
1983. *Ophiactis savignyi* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. South Andamans : Port Blair, intertidal.
1985. *Ophiactis savignyi* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin. 12-16 January, 1985. Paper No.*, **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Ophiactis savignyi* : James, D.B. *J. mar. biol. Ass.*, **25(1 & 2)** : 102 (1983). Tamil Nadu : Chennai.
1988. *Ophiactis savignyi* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*, **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1991. *Ophiactis savignyi* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 376. Lakshadweep : Minicoy.

1995. *Ophiactis savignyi* : Sastry, D.R.K. *Wetland Ecosystem Series 1 : Fauna of Chilika Lake*, p. 477. Koehler's record as *Ophiactis affinis* is actually off Chilika Lake, not from Chilika Lake. Orissa : Off Chilika Lake.
1998. *Ophiactis savignyi* : Sastry, D.R.K. *Symp. Proc. "Island Ecosystem and Sustainable Development"* p. 135. South Andamans : Labyrinth Islands (MGMNP-Alexandra Island).
1999. *Ophiactis savignyi* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(1) : 91. Nicobars : Great Nicobar Island.
2001. *Ophiactis savignyi* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 161. South Andamans : Ritchie's Archipelago (Havelock and Neil Islands).
2004. *Ophiactis savignyi* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat*. Part 2 : 194. Gujarat : Veraval. Dwaraka. Gulf of Kachchh (Okha. Pirotan Island. Mandvi).
2005. *Ophiactis savignyi* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 68. Andaman and Nicobar Islands: South Andamans : Port Blair. Labyrinth Islands (MGMNP-Alexandra Island). Ritchie's Archipelago (Havelock, Neil); Nicobars : Kamorta. Nancowry. Great Nicobar.

Material : Andhra Pradesh : Visakhapatnam District (Visakhapatnam-shingle bed at Palm Beach, D.R.K. Sastry, 23.2.1995, eight specimens; Yarada- rocky shore, D.R.K. Sastry: 28.2.1995, one specimen).

Description : Disc diameter less than one mm to 3 mm. Scales on the disc and at margin with short spines. Radial shields longer than broad, in contact in smaller specimens, in larger ones the proximal half separated by 2 to 3 plates, distal halves confluent. Arms six. Dorsal arm plates elliptical, not much wider than long, distal margin trilobed or convex, with two dark green spots. Adoral shields meeting radially, approximating or meeting interradially in front of oral shields. first and second ventral arm plates in contact. Oral plates with two distal oral papillae. Arm spines six, short and rugose, no proximally directed spinelet. Colour green mottled, darker bands on arms.

Family AMPHIURIDAE

97. *Amphiodia caullery* (Koehler)

1897. *Amphiura caullery* Koehler, *Ann. Sci. nat. Zool.*, (8)**IV** : 330. Andhra Pradesh : Mouth of Krishna River. 1377 m (753 fms.).
1899. *Amphiodia caullery* : Koehler, *Echinoderma of the Indian Museum*, Part I : 42. Andhra Pradesh : Off Mouth of Krishna River. 1377 m (753 fms.).
1904. *Amphiodia caullery* : Koehler, *R. Siboga Exped. Monogr.*, **45a** : 91.

98. *Amphioplus intermedius* (Koehler)

1983. *Amphioplus intermedius* (Koehler) : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90. South Andamans : Port Blair, intertidal.

99. *Amphioplus (Amphioplus) cyrtacanthus* H. L. Clark

1915. *Amphioplus cyrtacanthus* Clark, H.L. *Mem. Mus. comp. Zool. Harv.*, **25** : 253. Philippines.
 1971. *Amphioplus (Amphioplus) cyrtacanthus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 78-79 (distribution) and 101 (key).
 1978. *Amphioplus (Amphioplus) cyrtacanthus* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 57. Madagascar.

Material : Gujarat. Andamans.

100. *Amphioplus (Amphioplus) personatus* (Koehler)

1971. *Amphioplus (Amphioplus) personatus* (Koehler) : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 78-79 (distribution) and 102 (key).
 2005. *Amphioplus (Amphioplus) personatus* : Sastry, D.R.K. *Rec. zool. Surv. India. Occ. Paper No.*, **233** : 68. Andaman (Andamans, J. Wood-Mason, one specimen); and Nicobar (*Investigator Station 631*. Nicobars: Nancowry Harbour, one specimen) Islands.

101. *Amphioplus (Lymanella) andreae* (Lütken)

1971. *Amphioplus (Lymanella) andreae* (Lütken) : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 80-81 (distribution) and 102 (key).
 1983. *Amphioplus andreae* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Andaman Island, 20m.
 2005. *Amphioplus (Lymanella) andreae* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 68. Andaman and Nicobar Islands.

Material : Andhra Pradesh : Visakhapatnam (off Rishikonda), 20 m. K.A. Sai, May 1988. one specimen.

Description Dorsal disc lost, disc diameter approximately 4.5 mm. Arms five, more than 30 mm long. Dorsal arm plates with distinct medial angle in the distal margin appearing as trilobed, proximal border narrower. Proximal ventral arm plates broader than long with a distinct median notch in the distal margin; distal ventral arm plates pentagonal with a straight distal margin. Ventral arm plates with 3 arm spines, the middle stouter and longer. Tentacle scales two. Madreporite as long as broad, other oral shields longer than broad, with a distinct narrowly produced elongated distal portion. Adoral shields narrow proximally, meeting radially and interradially. Oral papillae four, the third larger than the fourth.

Remarks : Though the nature of the disc and radial shields is not known, the specimens are identified with *A. andreae* based on the arms which are approximately 7 times as long as the disc diameter. In the other species, *A. laevis* (Lyman) the arms are 10 times as long as the disc diameter.

102. *Amphioplus (Lymanella) depressus* (Ljungman)

1867. *Amphiopholis depressus* Ljungman, A.V. *Ofvers. K. Vetensk. Akad. Forh.*, **23**(9) : 312.
1887. *Ophiophragmus affinis* Duncan, P.H. *J. Linn. Soc. Zool.*, **21** : 89.
1898. *Amphiura relictia* Kochler, R. *Bull. scient. Fr. Belg.*, **31** : 69. Orissa : Ganjam Coast. 18-46m (10-25 fms.); Andaman Island. 13-27 m (7-15 fms.).
1905. *Amphiura relictia* : Kochler, R. *Siboga Exped. Monogr.*, **45b** : 41.
1922. *Amphioplus relictus* : Kochler, R. *U.S. natn. Mus. Bull.*, **100** (Vol. 5) : 179.
1969. *Amphioplus depressus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 54. Kerala : Kochi.
1971. *Amphioplus (Lymanella) depressus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 80-81 (distribution) and 102 (key).
1971. *Amphioplus depressus* : James, D.B. *J. mar. biol. Ass. India*, **12** : 142 (1970). Andamans. 13-18 m; Kerala : Kochi. 3-20 m.
2005. *Amphioplus (Lymanella) depressus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 68. Andaman Islands.

Material : Andhra Pradesh : Visakhapatnam (off Rishikonda, 30 m. K.A. Sai, Apr 1998, six specimens; 20 m. K.A. Sai, May 1998, two specimens); Kakinada (Mouth of Godavari River), Dipti.

Description : Disc is lost in four specimens and in the other the disc measures 3 to 5 mm in diameter. Disc scales large, central one larger but primary rosette not distinct. Radial shields as long as broad or a little longer, length less than half the disc radius, inner margin straight, outer margin arched, broadest in the middle, contiguous excepting for a short proximal part. Arms are 30 to 50 mm long. Dorsal arm plates nearly twice as broad as long, outer margin evenly convex, lateral edges rounded. Ventral arm plates broader than long, pentagonal, truncated proximally, distal margin of proximal plates with a distinct notch in the middle, straight in distal segments. Lateral arm plates with 3 arm spines, middle one longer and stouter. Oral shields longer than broad, distal end narrow and produced. Adoral shields narrow proximally, meeting radially and interradially.

103. *Amphioplus (Lymanella) gravelyi* James

1927. *Ophiophragmus relictus* : Gravely, F.H. *Bull. Madras Govt. Mus.* (n.s.), **1**(1) : 170. [non : *Amphiura relictia* Kochler]. Tamil Nadu : Gulf of Mannar (Krusadai, Pamban).
1971. *Amphioplus (Lymanella) gravelyi* James, D.B. *J. mar. biol. Ass. India*, **12** : 139 (1970). Tamil Nadu : Gulf of Mannar (Krusadai, Pamban).

104. *Amphioplus (Lymanella) hastatus* (Ljungman)

1867. *Amphiopholis hastatus* Ljungman, A. *Ofversk. Vidensk Akad. Forh.*, **23**(1866) : 313.
1905. *Amphiura hastata* : Kochler, R. *Siboga Exped. Monogr.*, **45b** : 42.

1971. *Amphioplus (Lymanella) hastatus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 80-81 (distribution) and 102 (key).
1978. *Amphioplus (Lymanella) hastatus* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 83.
1995. *Amphioplus (Lymanella) hastatus* : Sastry, D.R.K. *Estuarine Ecosystem Series, Part 2 : Hugli Matla Estuary*, p. 333. West Bengal : Mouth of Hugli River (Sandheads).
1998. *Amphioplus (Lymanella) hastatus* : Sastry, D.R.K. *State Fauna Series 3 : Fauna of West Bengal, Part 10* : 475. West Bengal : Mouth of Hugli River (Sandheads).
2005. *Amphioplus (Lymanella) hastatus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 69. Andaman Islands.

105. *Amphioplus (Lymanella)* near *laevis* (Lyman)

1874. *Amphiura laevis* Lyman, T. *Bull. Mus. Comp. Zool. Harv.*, **3**(10) : 229.
1905. *Amphiura laevis* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 41.
1971. *Amphioplus (Lymanella) laevis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 80-81 (distribution) and 102 (key).
1978. *Amphioplus (Lymanella) laevis* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 88.
1995. *Amphioplus (Lymanella)* sp. Sastry, D.R.K. *Estuarine Ecosystem Series, Part 2 : Hugli Matla Estuary*, p. 333. West Bengal : Mouth of Hugli River (Sandheads).
1998. *Amphioplus (Lymanella)* sp. Sastry, D.R.K. *State Fauna Series 3 : Fauna of West Bengal, Part 10* : 475. The long arms show closeness to *laevis*, but the trilobed distal margin of dorsal arm plates is not found in any of the species of the subgenus from the Indian coast. West Bengal : Mouth of Hugli River (Sandheads).
2004. *Amphioplus (Lymanella)* sp. Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat, Part 2* : 193. Disc lost, long arms suggest probable identity with *laevis* (Lyman). Gujarat : Gulf of Kachchh (Beyt Island).
2005. *Amphioplus (Lymanella)* near *laevis* (Lyman) : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 69. Andaman Islands.

106. *Amphipholis misera* (Koehler)

1899. *Amphiura misera* Koehler, R. *Echinoderma of the Indian Museum, Part I* : 45. Andaman Island, 485 m (265 fms.).
1904. *Amphiura misera* : Koehler, R. *Siboga Exped. Monogr.*, **45a** : 83.
1922. *Amphipholis misera* : Koehler, R. *U.S. natn. Mus. Bull.*, **100** (Vol. 5) : 165.
1971. *Amphipholis misera* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 80-81 (distribution) and 99 (key).
1983. *Amphiura misera* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Andaman Island, 468m.
2005. *Amphipholis misera* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 69. Andaman Islands.

107. *Amphipholis squamata* (Delle Chiaje)

1828. *Asterias squamata* Delle Chiaje, *Mem. Anim. s. vert.*, **3** : 77.
1962. *Amphipholis squamata* : Sane, S.R. and Chhapgar, B.F. *J. Bombay nat. Hist. Soc.*, **59**(2) : 673. Maharashtra : Bombay.
1969. *Amphipholis squamata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 54. Tamil Nadu : Gulf of Mannar (Mandapam).
1971. *Amphipholis squamata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 80-81 (distribution) and 99 (key).
1978. *Amphipholis squamata* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 105.
1983. *Amphipholis squamata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. South Andamans : Port Blair.
1985. *Amphipholis squamata* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985. Paper No.*, **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Amphipholis squamata* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*, **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1991. *Amphipholis squamata* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 376. Lakshadweep : Androth, Kavaratti, Minicoy.
1999. *Amphipholis squamat* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 18. North Andamans : Diglipur (Aerial Bay).
2004. *Amphipholis squamata* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat, Part 2* : 193. Gujarat : Diu (Union Territory of Daman & Diu), Veraval, Holiday Camp (4 Km from Chorwad), Dwaraka, Gulf of Kachchh (Narara Beyt, Okha), common in the bushy algal tufts particularly red coralline algae.
2005. *Amphipholis squamata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 69. Andaman and Nicobar Islands.

108. *Amphiura (Amphiura) ambigua* Koehler

1905. *Amphiura ambigua* Koehler, R. *Siboga Exped. Monog.*, **45b** : 39. Sulu Archipelago, 13 m.
1922. *Amphiura ambigua* : Koehler, R. *U.S. natn. Mus. Bull.*, **100** (Vol. 5) : 152.
1971. *Amphiura (Amphiura) ambigua* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 80-81 (distribution) and 96 (key).
2004. *Amphiura ambigua* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat, Part 2* : 194. Gujarat : Dwaraka, Gulf of Kachchh (Beyt Island).

109. *Amphiura (Amphiura) septemspinosa* H.L. Clark

1915. *Amphiura septemspinosa* Clark, H.L. *Mem. Mus. Comp. Zool. Harv.*, **25** : 165-376. North Australian coast.

1971. *Amphiura (Amphiura) septemspinosa* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 80-81 (distribution) and 97 (key).
2005. *Amphiura (Amphiura) septemspinosa* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** 70. Andaman Islands.

110. *Amphiura (Ophiopeltis) tenuis* (H.L. Clark)

1938. *Ophionephthys tenuis* H.L. Clark, *Mem. Mus. comp. Zool. Harv.*, **55** : 241.
1971. *Amphiura (Ophiopeltis) tenuis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 80-81 (distribution) and 96 (key).
1978. *Amphiura (Ophiopeltis) tenuis* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 53.
1995. *Amphiura (Ophiopeltis) tenuis* : Sastry, D.R.K. *Estuarine Ecosystem Series, Part 2 : Hugli Matla Estuary*, p. 333. Common in Matla area where it burrows deep into hard mud. West Bengal : Matla (Ajmalmari, Jharkali, Koishorimohanpur)
1998. *Amphiura (Ophiopeltis) tenuis* : Sastry, D.R.K. *State Fauna Series 3 : Fauna of West Bengal, Part 10* : 476. West Bengal : Matla (Jharkali, Matla).

111. *Amphiura dispar* Koehler

1897. *Amphiura dispar* Koehler, *Ann. Scient. Nat. Zool.*, (8)IV : 334. Lakshadweep; Bay of Bengal; Sri Lanka. 353-1234 m (193-675 fms).
1899. *Amphiura dispar* : Koehler, *Echinoderma of the Indian Museum, Part I* : 46. Lakshadweep, 72° 43' E 15° 41' N. 812 m (444 fms.); Andaman Islands., 435-530 m (238-290 fms.); Bay of Bengal. 353 m (193 fms.). Sri Lanka : Off Galle, 6° 32' N 79° 37' E. 1234 m (675 fms.).
1983. *Amphiura dispar* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90. Andaman Island, 253-1215m.
2005. *Amphiura dispar* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 69. Andaman Islands.

112. *Amphiura famula* Koehler

1910. *Amphiura famula* Koehler, R. *Rec. Indian Mus.*, **5** : 85. Investigator St. 372. Off North Andamans. 13° 54' 15'' N 94° 02' 15'' E. 1176 m (643 fms.).

113. *Amphiura lorioli* (Koehler)

1897. *Ophiactis lorioli* Koehler, R. *Ann. Scient. Nat. Zool.*, (8)IV : 328. Lakshadweep; Kerala : Malabar Coast; Bay of Bengal; 1995-2377 m (1091-1300 fms).
1899. *Ophiactis lorioli* : Koehler, *Echinoderma of the Indian Museum, Part I* : 41. Lakshadweep. 14° 22' N 71° 21' E. 2070 m (1132 fms.); Kerala : Malabar Coast, 9° 53' 34'' N 75° 16' 30'' E. 1995 m (1091 fms.); Bay of Bengal, 17° 34' N 87° 59' E. 2377 m (1300 fms.).
1904. *Amphiura lorioli* : Koehler, R. *Siboga Exped. Monogr.*, **45a** : 91.
1978. *Amphiura lorioli* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 40.

114. *Dougaloplus echinatus* (Ljungman)

1867. *Ophiophragmus echinatus* Ljungman, A. *Öfvers K. Vetensk Akad. Forh.*, **23**(1866) : 316.
1898. *Ophiocnida echinata* : Koehler, *Bull. scient. Fr. Belg.*, **31** : 68. Orissa : Orissa Coast, 16-46 m (9-25 fms.); Ganjam (?St. 42, 4 miles off Ganjam, 7.3.1889), 42 m (23 fms.). Gulf of Oman : Khatiwa Coast, 80 m (44 fms.).
1905. *Ophiocnida echinata* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 32.
1969. *Ophiocnida echinata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 55. Tamil Nadu : Gulf of Mannar (Tuticorin).
1971. *Dougaloplus echinatus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 80-81 (distribution) and 100 (key).
1985. *Dougaloplus echinatus* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Dougaloplus echinatus* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.

115. *Histampica duplicata* (Lyman)

1874. *Amphiura duplicata* Lyman, T. *Ill. Catal. Mus. comp. Zool. No.*, **VII**(2) : 19.
1878. *Amphiura duplicata* : Lyman, T. *Bull. Mus. comp. Zool.*, **V**(9) : 226.
1897. *Amphiura partita* Koehler, R. *Ann. Sci. nat. Zool.*, (8)**IV** : 336. Lakshadweep, 444 m (242 fms.)
1899. *Amphiura partita* : Koehler, R. *Echinoderma of the Indian Museum, Part I* : 48. Lakshadweep, 15° 41' N 72° 43' E, 812 m (444 fms.). Sri Lanka : Off Galle, 6° 32' N 79° 37' E, 1234 m (675 fms.)
1904. *Ophiactis partita* : Koehler, R. *Siboga Exped. Monogr.*, **45a** : 96.
1922. *Amphiactis duplicata* : Koehler, R. *Bull. U.S. natn. Mus.*, **100** (Vol. 5) : 204. With synonym *Amphiura partita* Koehler, R.
1981. *Histampica duplicata* : Guille, A. *Memoires ORSTOM*, **91** : 440.

116. *Ophiocentrus dilatatus* (Koehler)

1905. *Ophiocnida dilatata* Koehler, R. *Siboga Exped. Monogr.*, **45b** : 30.
1971. *Ophiocentrus dilatatus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 80-81 (distribution) and 94 (key).
1978. *Ophiocentrotus dilatatus* (sic!) : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 111.
2005. *Ophiocentrus dilatatus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 70. Andaman Islands.

117. *Ophiocentrus verticillatus* (Döderlein)

1971. *Ophiocentrus verticillatus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 82-83 (distribution) and 94 (key)

1983. *Ophiocentrus verticillatus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. South Andamans : Port Blair, 40 m.

2005. *Ophiocentrus verticillatus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 70. Andaman Islands.

Material : Andhra Pradesh : Visakhapatnam, off Rishikonda, 20 m, K.A. Sai, 26.4.1987, one specimen.

Description : Disc measures 12 mm in diameter. Disc scales obscured by skin covering. spinelets flat and spaced on dorsal side, much crowded and pointed on vertical sides interradially. Radial shields narrow, long, at least thrice as long as broad; separated proximally, approximating or narrowly meeting distally. Arms broken, longest bit 80 mm long. Dorsal arm plates small, almost square shaped or a little longer, surface slightly convex on proximal plates, margins straight. Ventral arm plates of proximal segments square shaped with straight margins, distal segments with the plates broader than long, distal margin concave. Lateral arm plates with at least 10 flat and blunt or slightly rugose arm spines, lowermost largest and broadest with narrow distally pointed tip. Madreporite large, rounded, slightly narrowed distally. Oral shields longer than broad, somewhat rounded rectangular in shape. Adoral shields narrow proximally and broader distally, separate in front of radial shields and separated radially by ventral arm plates. Oral plates with two rounded stout and prominent dental papillae; distal oral papillae stout, triangular, prismatic; oral tentacle scale pointed and prominent. Tentacle pores large without a tentacle scale.

Remarks : There appears to be some confusion regarding the structure of the disc spines given as flattened in *O. putnami* (Lyman) and as pointed in *O. verticillatus* (Döderlein). In the present specimen the dorsal disc spines are flat and blunt while pointed spines are present only on the vertical interradial margin. Based on the nature of distal oral papillae, the specimen is identified with *O. verticillatus* (Döderlein).

118. *Ophiostigma formosa* Lütken

1899. *Ophiostigma formosa* (Lütken, C.) : Koehler, R. *Echinoderma of the Indian Museum, Part I* : 77. Orissa : Off Puri, 51 m (28 fms.).

Family OPHIOTHRICIDAE

119. *Gymnolophus obscura* (Ljungman)

1969. *Gymnolophus obscura* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 55. Tamil Nadu : Gulf of Mannar (Tuticorin)

1971. *Gymnolophus obscura* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 82-83 (distribution) and 117 (key).

1985. *Gymnolophus obscura* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985, Paper No.*, **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.

1988. *Gymnolophus obscura* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.

120. *Macrophiothrix aspidota* (Müller and Troschel)

1842. *Ophiothrix aspidota* Müller, J. and Troschel, F.H. *System der Asteriden*, p. 115. Bay of Bengal.

1889. *Ophiothrix aspidota* : Bell, *Proc. zool. Soc. Lond.*, **1889** : 7. Tamil Nadu : Gulf of Mannar (Ramesvaram).

1895. *Ophiothrix aspidota* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3(II)** : 115. Tamil Nadu : Gulf of Mannar (Pamban).

1962. *Macrophiothrix aspidota* : Sane, S.R. and Chhapgar, B.F. *J. Bombay nat. Hist. Soc.*, **59(2)** : 673. Maharashtra : Bombay.

1969. *Macrophiothrix aspidota* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 55. Gujarat : Jamnagar; Kerala : Vizhingam; Tamil Nadu : Mandapam; Andamans : Port Blair.

1971. *Macrophiothrix aspidota* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 82-83 (distribution) and 114 (key).

1985. *Macrophiothrix aspidota* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985. Paper No.*, **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.

1988. *Macrophiothrix aspidota* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.

1999. *Macrophiothrix aspidota* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15(2)** : 19. North Andamans : Ray Hill.

2004. *Macrophiothrix aspidota* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat, Part 2* : 195. Gujarat : Gulf of Kachchh (Okha).

2005. *Macrophiothrix aspidota* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 70. North and South Andaman Islands.

Material : Andhra Pradesh : Visakhapatnam District (Visakhapatnam-rocky shore at Kailasa Hill, D.R.K. Sastry, 24.2.1995, 5 specimens; shingles at Jalari Peta, D.R.K. Sastry; 26.2.1995, 11 specimens; Bheemunipatnam-rocky shore, D.R.K. Sastry, 1.3.1995, two specimens); Tamil Nadu : Gulf of Mannar.

Description : Disc diameter 2 to 12 mm. Stumps on dorsal disc scales 2 to 3 times as long as broad. Stumps on radial shields sparse or rarely absent, when present similar to those on the disc scales or shorter. Arms 6 to 8 times as long as the disc diameter. Dorsal arm plates hexagonal or distal margin well convex, widest near or slightly distal to middle portion, distal lateral angles acute, distal border straight or slightly concave in the middle. Ventral arm plates wider than long, distal margin straight or slightly concave. Arm spines eight, 2nd or 3rd from above longest, slightly bushy. Dorsal arm plates with dark spots on the surface, a white spot at the centre and margins outlined by light colour.

121. *Macrophiothrix demessa* (Lyman)

1869. *Ophiothrix demessa* Lyman. T. *Proc. Boston Soc. nat. Hist.*, **8** : 82.
1905. *Ophiothrix demessa* : Kochler. R. *Siboga Exped. Monogr.*, **45b** : 91.
1968. *Macrophiothrix demessa* : Clark, A.M. *Bull. Br. Mus. nat. Hist. (Zool.)*, **16** : 289.
1971. *Macrophiothrix demessa* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 82-83 (distribution) and 114 (key).
1978. *Macrophiothrix demessa* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 151.
1991. *Macrophiothrix demessa* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 377. Lakshadweep : Kavaratti.
2001. *Macrophiothrix demessa* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 161. South Andamans : Ritchie's Archipelago (Neil Island).
2005. *Macrophiothrix demessa* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 71. Andaman Islands.

122. *Macrophiothrix galathea* (Lütken)

1872. *Ophiothrix galathea* Lütken, C. *Overs. K. dansk. Vidensk. Selsk. Forh.*, **77** : 90, 108. [Also in *Ann. Mag. nat. Hist.*, (4) **12**(1873) : 323-337, 391-399]. Bay of Bengal.
1969. *Macrophiothrix galathea* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 55. South Andamans Port Blair.
1971. *Macrophiothrix galathea* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 82-83 (distribution) and 114 (key).
2005. *Macrophiothrix galathea* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 71. It is to be verified whether Lütken's (1872) report of this species from Bay of Bengal mentioned by Clark and Rowe (1971: 82-83) is from Nicobars.

123. *Macrophiothrix koehleri* A. M. Clark

1905. *Ophiothrix galathea* : Kochler, R. *Siboga Exped. Monogr.*, **45b** : 84. [non: Lütken, 1872].
1968. *Macrophiothrix koehleri* Clark, A.M. *Bull. Br. Mus. nat. Hist. (Zool.)*, **16**(7) : 298. Solomon Islands: Philippines: Australia (Queensland).
1971. *Macrophiothrix koehleri* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 82-83 (distribution) and 114 (key).
1999. *Macrophiothrix koehleri* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 19. North Andamans : Diglipur; Middle Andamans : Mayabunder.
2005. *Macrophiothrix koehleri* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 71. Andaman Islands.

124. *Macrophiothrix longipeda* (Lamarck)

1816. *Ophiura longipeda* Lamarck, J.B.P.A. de *Hist. nat. anim. s. vert.*, **2** : 544.

1888. *Ophiothrix longipeda* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1895. *Ophiothrix longipeda* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3(11)** : 115. Tamil Nadu : Gulf of Mannar (Pamban).
1898. *Ophiothrix longipeda* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 97. Andaman Islands.
1905. *Ophiothrix longipeda* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 92.
1968. *Macrophiothrix longipeda* : Clark, A.M. *Bull. Br. Mus. nat. Hist. (Zool.)*, **16** : 300.
1971. *Macrophiothrix longipeda* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 82-83 (distribution) and 114 (key)
1978. *Macrophiothrix longipeda* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 153.
1983. *Macrophiothrix longipeda* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Andaman Island.
1985. *Macrophiothrix longipeda* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks. Cochin, 12-16 January, 1985. Paper No.*, **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Macrophiothrix longipeda* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*, **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1991. *Macrophiothrix longipeda* : James, D.B. *J. Andaman Sci. Assoc.*, **7(2)** : 20. South Andaman : Labyrinth Islands (MGMNP-Jolly Buoy and Malay Islands).
1991. *Macrophiothrix longipeda* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 377. Lakshadweep : Agatti, Androth, Kavaratti, Minicoy.
1998. *Macrophiothrix longipeda* : Sastry, D.R.K. *State Fauna Series 3 : Fauna of West Bengal, Part 10* : 478 West Bengal : Digha.
1999. *Macrophiothrix longipeda* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15(2)** : 19. North Andamans : Interview Island.
2001. *Macrophiothrix longipeda* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 161. South Andamans : Ritchie's Archipelago (Havelock and Nicholson Islands).
2005. *Macrophiothrix longipeda* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 71. Andaman and Nicobar Islands.

125. *Macrophiothrix propinqua* (Lyman)

1861. *Ophiothrix propinqua* Lyman, T. *Proc. Boston Soc. nat. Hist.*, **8** : 83.
1898. *Ophiothrix propinqua* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 98. Andaman Islands, 0-31 m (0-17 fms.).
1905. *Ophiothrix propinqua* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 81.
1968. *Ophiothrix (Keystonea) propinqua* : A.M. Clark, *Bull. Br. Mus. nat. Hist. (Zool.)*, **16(7)** : 283.
1971. *Ophiothrix (Keystonea) propinqua* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 86-87 (distribution) and 107 (key).

1978. *Ophiothrix (Keystonea) propinqua* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 149.
1980. *Macrophiothrix propinqua* : Clark, A.M. *Rev. Zool. afr.*, **94** : 537.
1983. *Ophiothrix propinqua* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Andaman Island, 0-31m.
1991. *Macrophiothrix propinqua* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 378. Lakshadweep : Agatti.
1997. *Macrophiothrix propingua* (sic!) : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **13**(1-2) : 51. South Andamans : MGMNP (Pongibalu).
1999. *Macrophiothrix propingua* (sic!) : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 19. North Andamans : Diglipur.
2001. *Macrophiothrix propinqua* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 162. South Andamans : Ritchie's Archipelago (Havelock, Sir William Peel, and Neil Islands).
2005. *Macrophiothrix propinqua* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 72. Andaman and Nicobar Islands.

126. *Macrophiothrix speciosa* (Koehler)

1898. *Ophiothrix speciosa* Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 94. Andaman Islands.
1969. *Macrophiothrix speciosa* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 55. South Andamans : Port Blair.
1971. *Macrophiothrix speciosa* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 82-83 (distribution) and 114 (key).
1983. *Macrophiothrix speciosa* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. South Andamans Port Blair; Nicobar Island.
2005. *Macrophiothrix speciosa* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 72. Andaman and Nicobar Islands.

127. *Macrophiothrix variabilis* (Duncan)

1887. *Ophiothrix variabilis* Duncan, P.M. *J. Linn. Soc. Zool.*, **21** : 86, 99. Myanmar : Mergui Archipelago (Elphinstone, King and Owen Islands).
1969. *Macrophiothrix variabilis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 55. Tamil Nadu : Gulf of Mannar (Rameswaram).
1971. *Macrophiothrix variabilis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 84-85 (distribution) and 115 (key).
1985. *Macrophiothrix variabilis* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985. Paper No.*, **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Macrophiothrix variabilis* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985.* **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.

127a. ?*Macrophiothrix hirsuta* (Müller and Troschel, 1842: 111)

Remark : According to A.M. Clark (1968) the specimens reported by Koehler (1898: 96) from Orissa : Off Puri. 18 m (10 fms.); ?Kyouk Phyoo, Off Arakkan Coast. St. II. 1884 and St. 6. 1887; and Gravely (1927) from Tamil Nadu: Gulf of Mannar as *Ophiiothrix hirsuta* are not conspecific with *Macrophiothrix hirsuta* (Müller and Troschel, 1842 : 111). Their status needs to be ascertained.

128. *Ophiocnemis marmorata* (Lamarck)

1816. *Ophiura marmorata* Lamarck, J.B.P.A. de. *Hist. nat. anim. s. vert.*, **2** : 543.
1888. *Ophiura marmorata* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 140. Tamil Nadu : Gulf of Mannar (Tuticorin).
1898. *Ophiocnemis marmorata* : Koehler, *Bull. scient. Fr. Belg.*, **31** : 85. Tamil Nadu : Gulf of Mannar (Palk Strait). 13-20 m (7-11 fms.); Mahabalipuram. 9-18 m (5-10 fms.).
1905. *Ophiocnemis marmorata* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 112.
1922. *Ophiocnemis marmorata* : Koehler, R. *U.S. natn. Mus. Bull.*, **100** (Vol. 5) : 296.
1941. *Ophiocnemis marmorata* : Gravely, F.H. *Bull. Madras Govt. Mus. New Series (Nat. Hist. Section)*, **V(1)** : 86, 105. Tamil Nadu : Chennai.
1966. *Ophiocnemis marmorata* : Evangeline, G. by James, D.B. In : M.F. Thompspon *et al.* (1988), *Marine Biodeterioration*, p. 237. Tamil Nadu : Ennore backwaters.
1971. *Ophiocnemis marmorata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 84-85 (distribution) and 106 (key).
1978. *Ophiocnemis marmorata* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 154.
1985. *Ophiocnemis marmorata* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Ophiocnemis marmorata* : James, D.B. *J. mar. biol. Ass.*, **25**(1983) : 102. Tamil Nadu : Chennai.
1988. *Ophiocnemis marmorata* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1995. *Ophiocnemis marmorata* : Sastry, D.R.K. *Estuarine Ecosystem Series, Part 2 : Hugli Matla Estuary*, p. 335. Subtidal sandy areas. West Bengal : Mouth of Hugli River (Sandheads).
1998. *Ophiocnemis marmorata* : Sastry, D.R.K. *State Fauna Series 3 : Fauna of West Bengal, Part 10* : 479. West Bengal : Mouth of Hugli River (Sandheads).
2005. *Ophiocnemis marmorata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 72. Andaman Islands.

129. *Ophiogymna elegans* Ljungman

1971. *Ophiogymna elegans* Ljungman, A. (1867\). *Ofvers. K. Vetensk Akad. Forh.* 1866) : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 84-85 (distribution) and 117 (key).

1985. *Ophiogymna elegans* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.

1985. *Ophiogymna elegans* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.

130. *Ophiogymna lineata* H.L. Clark

1969. *Ophiogymna lineata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 55. Tamil Nadu : Gulf of Mannar (Mandapam, Kilakarai).

1971. *Ophiogymna lineata* Clark, H.L. (1938. *Mem. Mus. comp. Zool. Harv.* 55) : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 84-85 (distribution) and 117 (key).

131. *Ophiogymna pellicula* (Duncan)

1887. *Ophiocampsis pellicula* Duncan, P.M. *J. Linn. Soc. Zool.*, **21** : 86. 101. Myanmar : Mergui Archipelago (King Island).

1898. *Ophiocampsis pellucida* (sic!) : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 88. Andhra Pradesh : 30 miles S of Kakinada, 7-9 m (4-5 fms.); Orissa : 20 m (11 fms.).

1971. *Ophiocampsis pellicula* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 84-85 (distribution) and 117 (key).

132. *Ophiolophus novarae* Marktanner-Turneretscher

1887. *Ophiolophus novarae* Marktanner-Turneretscher, G. *Ann. naturh. Mus. Wien.*, **2** : 291-316. Nicobars.

2005. *Ophiolophus novarae* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 73. Nicobar Islands.

133. *Ophiomaza cacaotica* Lyman

1871. *Ophiomaza cacaotica* Lyman, T. *Ill. Cat. Mus. comp. Zool. Harv. No.*, **6** : 9.

1888. *Ophiomaza cacaotica* : Bell, F.J. *proc. zool. Soc. Lond.*, **1888** : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).

1895. *Ophiomaza cacaotica* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3(II)** : 115. Tamil Nadu : Gulf of Mannar (Pamban).

1905. *Ophiomaza cacaotica* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 114.

1922. *Ophiomaza cacaotica* : Koehler, R. *U.S. natn. Mus. Bull.*, **100** (Vol. 5) : 299.

1969. *Ophiomaza cacaotica* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 55. Tamil Nadu : Gulf of Mannar (Mandapam).

1969. *Ophiomaza cacaotica* var. *picta* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 55. Tamil Nadu : Gulf of Mannar (Tuticorin).

1969. *Ophiomaza cataphracta* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 55. Tamil Nadu : Gulf of Mannar (Tuticorin).
1971. *Ophiomaza cacaotica* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 84-85 (distribution) and 116 (key).
1978. *Ophiomaza cacaotica* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 155.
1985. *Ophiomaza cacaotica* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Ophiomaza cacaotica* (sic!) : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*, **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
2005. *Ophiomaza cacaotica* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 73. Andaman and Nicobar Islands.

Material : Tamil Nadu : Gulf of Mannar (Palk Strait).

134. *Ophiopterion elegans* Ludwig

1888. *Ophiopterion elegans* Ludwig, H. *Zeit. F. wiss. Zool.*, **48** : 459.
1898. *Ophiopterion elegans* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 89. Andaman Island, 37 m (20 fms.).
1905. *Ophiopterion elegans* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 112.
1922. *Ophiopterion elegans* : Koehler, R. *Bull. U.S. natn. Mus.*, **100** (Vol. 5) : 309.
1971. *Ophiopterion elegans* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 84-85 (distribution) and 115 (key).
1983. *Ophiopterion elegans* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Andaman Island.
1981. *Ophiopterion elegans* : Guille, A. *Memoires ORSTOM*, **91** : 441.
2005. *Ophiopterion elegans* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 73. Andaman Islands.

135. *Ophiothela danae* Verrill

1869. *Ophiothela danae* Verrill, A.E. *Proc. Boston Soc. nat. Hist.*, **12** : 391.
1898. *Ophiothela danae* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 89. Orissa : Off Puri, 18 m (10 fms.).
1898. *Ophiothela danae* var. *involuta* Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 89. Orissa : Off Chilika Lake, 13-25 m (7-8 fms.).
1905. *Ophiothela danae* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 117.
1922. *Ophiothela danae* : Koehler, R. *U.S. natn. Mus. Bull.*, **100** (Vol. 5) : 297.
1941. *Ophiothela danae* : Gravely, F.H. *Bull. Madras Govt. Mus. New Series (Nat. Hist. Section)*, **V**(1) : 87, 105. Tamil Nadu : Chennai.
1962. *Ophiothela danae* : Sane, S.R. and Chhapgar, B.F. *J. Bombay nat. Hist. Soc.*, **59**(2) : 673. Maharashtra : Bombay.

1969. *Ophiothela danae* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 55. Tamil Nadu : Mandapam, Tuticorin.
1971. *Ophiothela danae* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 84-85 (distribution) and 116 (key).
1978. *Ophiothela danae* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 158.
1974. *Ophiothela danae* : A.M. Clark, *Bull. Br. Mus. nat. Hist. (Zool.)*, **26**(6) : 470. East Coast of Africa.
1985. *Ophiothela danae* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Ophiothela danae* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*, **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1991. *Ophiothela danae* : James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 20. Andamans : MGMNP (Jolly Buoy Island).
1995. *Ophiothela danae* : Sastry, D.R.K. *Wetland Ecosystem Series 1 : Fauna of Chilika Lake*, p. 477. Koehler's record as *Ophiothela danae* var. nov. *involuta* is actually off Chilika Lake, not from Chilks Lake. Orissa : Off Chilika Lake.
2001. *Ophiothela danae* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 162. Epizoic on gorgonians. South Andamans : Ritchie's Archipelago (Havelock Island).
2005. *Ophiothela danae* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 73. Andaman Islands.

136. *Ophiothrix (Acanthophiothrix) diligens* Koehler

1898. *Ophiothrix diligens* Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 104. Andaman Island, 75 m (41 fms.).
1905. *Ophiothrix diligens* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 100.
1967. *Ophiothrix (Acanthophiothrix) diligens* : Clark, A.M. *Ann. Mag. nat. Hist.*, (13)**9** : 648.
1983. *Ophiothrix diligens* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Andaman Island, 75m.
2005. *Ophiothrix (Acanthophiothrix) diligens* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 74. Andaman Islands.

137. *Ophiothrix (Acanthophiothrix) proteus* Koehler

1905. *Ophiothrix proteus* Koehler, R. *Siboga Exped. Monogr.*, **45b** : 100.
1898. *Ophiothrix comata* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 106. [non : Müller and Troschel, 1842]. Sri Lanka.
1967. *Ophiothrix (Acanthophiothrix) proteus* : Clark, A.M. *Ann. Mag. nat. Hist.*, (13)**9** : 643 and 648.
1971. *Ophiothrix (Acanthophiothrix) proteus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 84-85 (distribution) and 111 (key).
1978. *Ophiothrix (Acanthophiothrix) proteus* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 147.

1974. *Ophiothrix* (*Acanthophiothrix*) *proteus* : A.M. Clark, *Bull. Br. Mus. nat. Hist. (Zool.)*, **26**(6) : 465. East Coast of Africa.

2005. *Ophiothrix* (*Acanthophiothrix*) *proteus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 74. Nicobar Islands.

138. *Ophiothrix* (*Acanthophiothrix*) *purpurea* von Martens

1867. *Ophiothrix purpurea* von Martens, *Mber. dt. Akad. Wiss. Berl.*, **1867** : 346.

1893. *Ophiothrix lepidus* de Lorient, P. *Mem. Soc. Phys. Hist. nat. Geneve*, **32**(3) : 45.

1898. *Ophiothrix lepidus* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 103. Lakshadweep, 55-91 m (30-50 fms.): Andamans, 62-75 m (34-41 fms.): North Andamans : Table Island, 27-64 m (15-35 fms.).

1905. *Ophiothrix purpurea* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 102.

1905. *Ophiothrix lorioli* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 103.

1922. *Ophiothrix lepidus* : Koehler, R. *U.S. natn. Mus. Bull.*, **100** (Vol. 5) : 246.

1971. *Ophiothrix* (*Acanthophiothrix*) *purpurea* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 86-87 (distribution) and 112 (key).

1978. *Ophiothrix* (*Acanthophiothrix*) *purpurea* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 148.

1981. *Ophiothrix* (*Acanthophiothrix*) *purpurea* : Guille, A. *Memoires ORSTOM*, **91** : 446.

1983. *Ophiothrix lepidus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Andaman Island, 27-91 m.

1991. *Ophiothrix* (*Acanthophiothrix*) *purpurea* : Sastry, D.R. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 378. Lakshadweep : Off Kiltan Island, 55-91 m.

1997. *Ophiothrix* (*Acanthophiothrix*) *purpurea* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **13**(1-2) : 51. South Andamans : MGMNP (Pongibalu).

2005. *Ophiothrix* (*Acanthophiothrix*) *purpurea* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 74. Andaman Islands.

139. *Ophiothrix* (*Acanthophiothrix*) *vigelandi* A. M. Clark

1922. *Ophiothrix koreana* : Koehler, R. *U.S. natn. Mus. Bull.*, **100** (Vol. 5) : 242. [non : Duncan, 1879]

1968. *Ophiothrix* (*Acanthophiothrix*) *vigelandi* A.M. Clark, *Bull. Br. Mus. nat. Hist. (Zool.)*, **16**(7) : 277. New Caledonia, the Philippines, Amboina, Kei Is, 7-618m, doubtfully from Port Hacking, New South Wales.

1971. *Ophiothrix* (*Acanthophiothrix*) *vigelandi* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 86-87 (distribution) and 111 (key).

1981. *Ophiothrix* (*Acanthophiothrix*) *vigelandi* : Guille, A. *Memoires ORSTOM*, **91** : 446.

1991. *Ophiothrix* (*Acanthophiothrix*) *vigelandi* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 379. Lakshadweep : Minicoy.

1997. *Ophiothrix* (*Acanthophiothrix*) *vigelandi* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **13**(1-2) : 51. South Andamans : North of Rutland Island.

2005. *Ophiothrix (Acanthophiothrix) vigelandi* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 74. Andaman Islands.

140. *Ophiothrix (Keystonea) nereidina* (Lamarck)

1816. *Ophiura nereidina* Lamarck, J.B.P.A. de. *Hist. nat. anim. s. vert.*, **2** : 544.
1887. *Ophiothrix andersoni* Duncan, P.M. *J. Linn. Soc. Zool.*, **21** : 95.
1888. *Ophiothrix nereidina* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1895. *Ophiothrix nereidina* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3(11)** : 115. Tamil Nadu : Gulf of Mannar (Pamban).
1898. *Ophiothrix nereidina* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 97 Andamans : Andaman Island, 37 m (20 fms.); North Andamans : Table Island. 27-46 m (15-25 fms.).
1902. *Ophiothrix nereidina* : Bell, F.J. In : J.S. Gardiner (ed.), *The Fauna and Geography of the Maldives and Laccadive Archipelagoes*, **1** : 229. Lakshadweep : Minicoy.
1905. *Ophiothrix nereidina* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 81.
1905. *Ophiothrix andersoni* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 81.
1969. *Ophiothrix (Keystonea) nereidina* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 55. Lakshadweep: Bitra; Tamil Nadu : Gulf of Mannar (Tuticorin).
1971. *Ophiothrix (Keystonea) nereidina* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 86-87 (distribution) and 107 (key).
1991. *Ophiothrix (Keystonea) nereidina* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 379. Lakshadweep : Bitra.
1997. *Ophiothrix (Keystonea) nereidina* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **13(1-2)** : 51. South Andamans : MGMNP (Pongibalu).
1999. *Ophiothrix (Keystonea) nereidina* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15(2)** : 19. North Andamans : Curlew (B.P.) Island.
2005. *Ophiothrix (Keystonea) nereidina* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 74. Andaman and Nicobar Islands.

Material : Tamil Nadu : Kanniyakumari.

141. *Ophiothrix (Ophiothrix) aristulata* Lyman

1879. *Ophiothrix aristulata* Lyman, T. *Bull. Mus. comp. Zool. Harv.*, **VI(2)** : 51.
1897. *Ophiothrix aristulata* var. *investigatoris* Koehler, R. *Ann. Sci. nat. Zool.*, (8)**IV** : 361. Andhra Pradesh : Coromandal Coast, 13° 45' 38'' N 80° 29' 37'' E. 384 m (210 fms.); South Andamans : 11° 31' 40'' N 92° 46' 40'' E. 344-402 m (188-220 fms.); Between North and South Sentinel Islands. 439-402 m (240-220 fms.); 13 miles SW of North Sentinel Island, 238-457 m (130-250 fms.); South Sentinel Island. 439 m (240 fms.); Andaman Islands. 435-530 m (238-290 fms.), 485 m (265 fms.).

1899. *Ophiothrix aristulata* var. *investigatoris* Koehler. *Echinoderma of the Indian Museum*, Part I : 67. Andhra Pradesh : Coromandal Coast. 80° 29' 37'' E 13° 45' 38'' N. 384 m (210 fms.); South Andamans Between North and South Sentinel Islands. 439-402 m (240-220 fms.); 13 miles SW of North Sentinel Island. 238-457 m (130-250 fms.); South Sentinel Island. 439 m (240 fms.); Off South Andamans. 92° 46' 40'' E 11° 31' 40'' N. 344-402 m (188-220 fms.); Andaman Island. 485 m (265 fms.).
1974. *Ophiothrix (Ophiothrix) aristulata* : A.M. Clark. *Bull. Br. Mus. nat. Hist. (Zool.)*, **26**(6) : 466. South Africa.
1983. *Ophiothrix aristulata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Andaman Island.
2005. *Ophiothrix (Ophiothrix) aristulata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 75. Andaman Islands.

142. *Ophiothrix (Ophiothrix) ciliaris* (Lamarck)

1816. *Ophiura ciliaris* Lamarck. J.B.P.A. de, *Hist. nat. anim. s. vert.*, **2** : 545.
1874. *Ophiothrix stelligera* Lyman. T. *Bull. Mus. comp. Zool.*, **3**(10) : 237.
1898. *Ophiothrix stelligera* : Koehler. R. *Bull. scient. Fr. Belg.*, **31** : 100. Andaman Island, 64 m (35 fms.).
1905. *Ophiothrix stelligera* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 87.
1971. *Ophiothrix (Ophiothrix) ciliaris* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 84-85 (distribution), 109 (key).
1983. *Ophiothrix stelligera* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Andaman Island, 64m.
1999. *Ophiothrix (Ophiothrix) ciliaris* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 19. North Andamans : Diglipur (Aerial Bay).
2005. *Ophiothrix (Ophiothrix) ciliaris* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 75. Andaman Islands.

Material : Orissa : Ganjam, 33 m (18 fms.).

143. *Ophiothrix (Ophiothrix) exigua* Lyman

1874. *Ophiothrix exigua* Lyman. T. *Bull. Mus. comp. Zool. Harv.*, **3**(10) : 236.
1905. *Ophiothrix exigua* : Koehler. R. *Siboga Exped. Monogr.*, **45b** : 86.
1971. *Ophiothrix (Ophiothrix) exigua* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 84-85 (distribution) and 110 (key).
1978. *Ophiothrix (Ophiothrix) exigua* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 140.
1985. *Ophiothrix exigua* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985. Paper No.*, **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Ophiothrix exigua* : James, D.B. *J. mar. biol. Ass.*, **25**(1-2) : 102 (1983). Tamil Nadu : Chennai.
1988. *Ophiothrix exigua* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985. 1* : 404. Tamil Nadu : Gulf of Mannar Marine National Park.

1999. *Ophiothrix (Ophiothrix) exigua* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 19. North Andamans : Diglipur (Aerial Bay, Port Cornwallis, Tentul Tikri).
2001. *Ophiothrix exigua* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 162. South Andamans : Ritchie's Archipelago (Havelock island).
2005. *Ophiothrix (Ophiothrix) exigua* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 75. Andaman and Nicobar Islands.

Material Kerala: Tamil Nadu Gulf of Mannar.

144. *Ophiothrix (Ophiothrix) foveolata* Marktanner-Turneretscher

1887. *Ophiothrix foveolata* Marktanner-Turneretscher. *G. Ann. naturh. Mus. Wien*, **2** : 313.
1898. *Ophiothrix insidiosa* Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 92. Andaman Island. 37 m (20 fms.).
1905. *Ophiothrix foveolata* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 76.
1971. *Ophiothrix (Ophiothrix) foveolata*: Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*. 84-85 (distribution) and 110 (key).
1978. *Ophiothrix (Ophiothrix) foveolata*: Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 141.
2004. *Ophiothrix (Ophiothrix) foveolata* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat, Part 2*: 195. Gujarat : Gulf of Kachchh (Pirotan Island).
2005. *Ophiothrix (Ophiothrix) foveolata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 76. Andaman Islands.

Material : Orissa : Puri, 16-18 m (9-10 fms.).

145. *Ophiothrix (Ophiothrix) savignyi* (Müller and Troschel)

1842. *Ophiothrix savignyi* Müller, J. and Troschel, F.H. *System der Asteriden*, 117
1898. *Ophiothrix otiosa* Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 100. Kerala : Malabar Coast, 66 m (36 fms.).
1978. *Ophiothrix (Ophiothrix) savignyi* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 142. Red Sea and East coast of Africa to China, Australia, Philippines and Japan.
1984. *Ophiothrix (Ophiothrix) savignyi* : Guille, A. and Wolff, W.J. *Zool. Verh.*, **213** : 25

146. *Ophiothrix (Ophiothrix) trilineata* Lütken

1869. *Ophiothrix trilineata* Lütken, C. *K. dans. Vid. Selskr.*, **5** : 40, 82.
1898. *Ophiothrix trilineata* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 90. Andaman Island, 0-24 m (0-13 fms.).
1905. *Ophiothrix trilineata* : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 73.
1971. *Ophiothrix (Ophiothrix) trilineata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 84-85 (distribution) and 111 (key).

1978. *Ophiothrix (Ophiothrix) trilineata* : Cherbonnier, G. and Guille, A. *Faune de Madagascar*, **48** : 144.
1983. *Ophiothrix trilineata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Andaman Island.
1991. *Ophiothrix (Ophiothrix) trilineata* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 378. Lakshadweep: Kavaratti.
1999. *Ophiothrix (Ophiothrix) trilineata* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15(2)** : 19. North Andamans : Diglipur (Aerial Bay).
2001. *Ophiothrix trilineata* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 162. South Andamans : Ritchie's Archipelago (Havelock, Sir William Peel, and Neil Islands).
2005. *Ophiothrix (Ophiothrix) trilineata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 76. Andaman and Nicobar Islands.

147. ?*Ophiothrix (Ophiothrix) variegata* Duncan

1887. *Ophiothrix variegata* Duncan. P.M. *J. Linn. Soc. Zool.*, **21** : 97. Myanmar : Mergui Archipelago (Elphinstone Island).
1969. *Ophiothrix variegata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 55. Tamil Nadu : Gulf of Mannar (Mandapam).
1971. *Ophiothrix (Ophiothrix) variegata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 84-85 (distribution) and 110 (key).

Remark : The species was not listed by James (1985, 1988) under the fauna of Gulf of Mannar Marine National Park. It could be a *lapsus* or wrong identification.

148. *Ophiothrix (Ophiothrix) vitrea* Döderlein

1896. *Ophiothrix vitrea* Döderlein. L. *Denk. Ges. Jena.*, **8** : 295.
1898. *Ophiothrix vitrea* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 102. Kerala : Malabar Coast, 66 m (36 fms.); Andaman Island., 64-66 m (35-36 fms.).
1905. *Ophiothrix vitrea* Döderlein (In : Semon, *Zool. Forsch.*, **5** : 295) : Koehler, R. *Siboga Exped. Monogr.*, **45b** : 99.
1981. *Ophiothrix vitrea* : Guile, A. *Memoires ORSTOM*, **91** : 442.
1983. *Ophiothrix vitrea* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 90. Andaman Island, 64-67 m.
2005. *Ophiothrix (Ophiothrix) vitrea* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 76. Andaman Islands.

149. *Ophiothrix (Placophiothrix) fumaria* Müller and Troschel

1842. *Ophiothrix fumaria* Müller, J. and Troschel, F.H. *System der Asteriden*, p.
1966. *Ophiothrix (Placophiothrix) fumaria* : Clark, A.M. *Ann. Mag. nat. Hist.*, (13)**9** : 647.

Material : Tamil Nadu : Off Kanniyakumari.

150. *Ophiothrix (Placophiothrix) striolata* Grube

1868. *Ophiothrix striolata* Grube, A.E. *Jber. schles. Ges. vaterl. Kult.*, **45** : 45.
1898. *Ophiothrix striolata* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 90. Orissa : Ganjam Coast, 42 m (23 fms.).
1971. *Ophiothrix (Placophiothrix) striolata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 86-87 (distribution) and 113 (key).
1984. *Ophiothrix (Placophiothrix) striolata* : Guille, A. and Wolff, W.J. *Zool. Verh.*, **213** : 33.

151. *Ophiothrix accedens* Koehler

1966. *Ophiothrix accedens* : Clark, A.M. *Ann. Mag. nat. Hist.*, (13)**9** : 649. ? *Ophiothrix* s. s. (*plana* group).
1969. *Ophiothrix accedens* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 55. Tamil Nadu : Gulf of Mannar (Mandapam).
1985. *Ophiothrix accedens* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Ophiothrix accedens* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.

151a. *Ophiothrix* sp.

1953. *Ophiothrix* sp. Patil, A.M. *J. Bombay nat. Hist. Soc.*, **51** : 429-434. Karnataka : Karwar coast.

Class ECHINOIDEA
Order CIDAROIDA
Family CIDARIIDAE

1. *Eucidaris metularia* (Lamarck)

1816. *Cidarites metularia* Lamarck, J.B.P.A. de *Hist. nat. anim. sans vert.*, **3** : 56.
1902. *Cidaritis metularia* : Bell, F.J. In : J.S. Gardiner (ed.), *The Fauna and Geography of the Maldive and Laccadive Archipelagoes*, **1** : 230. 'Constantly every part of all the reefs visited, dredged five times, 20-25 fms. (taken to be also from Lakshadweep : Minicoy).
1904. *Cidaritis metularia* : de Meijere, J.C.H. *Siboga Exped. Monog.*, **43** : 7.
1923. *Eucidaris metularia* : H.L. Clark, *Ann. South African Mus.*, **XIII** : 370.
1925. *Eucidaris metularia* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 20. Red Sea, East Africa, Mauritius, Chagos, Maldives, Australia.
1927. *Eucidaris metularia* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 9. Andamans : Andaman Islands, 66 m (36 fms.); Andaman Islands, (tidal level); South Andamans : Invisible Bank, 93° 30' E 11° N, 29-75 m (16-41 fms.).

1928. *Eucidaris metularia* : Mortensen, T. *A Monograph of Echinoidea.*, I : 386.
1969. *Eucidaris metularia* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 57. South Andamans : Port Blair.
1971. *Eucidaris metularia* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms.* 140-141 (distribution) and 150 (key).
1983. *Eucidaris metularia* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 92. Andaman Island. 29-75 m.
1989. *Eucidaris metularia* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 43 : 114. Lakshadweep : Androth.
1991. *Eucidaris metularia* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 395. Lakshadweep : Androth.
2005. *Eucidaris metularia* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 77. Andaman Islands.

2. *Histocidaris denticulata* Koehler

1907. *Histocidaris elegans* : Döderlein, L. *Deutsch Tiefsee-Expedition.* V : 117. [non : *Porocidaris elegans* A. Agassiz, 1879. *Proc. Amer. Acad.*, 14 : 198].
1927. *Histocidaris denticulata* Koehler, R. *Echinoderma of the Indian Museum, Part X* : 10. Investigator St. 197. Off Kerala, 9° 34' 57'' N 75° 36' 30'' E. 742 m (406 fms.). Bay of Bengal. 402-439 m (220-240 fms.).
1928. *Histocidaris denticulata* : Mortensen, T. *A Monograph of Echinoidea.*, I : 101. Bay of Bengal, 400-730 m; Off African East Coast, 1362 m.

3. *Phyllacanthus forcipulatus* Mortensen

1936. *Phyllacanthus forcipulatus* Mortensen, T. *Rec. Indian Mus.*, 38(3) : 307. Tamil Nadu : South of Mahabalipuram, 12° 33' N 80° 10' E. 31-49 m (17-27 fms.), one of the paratypes in the National Zoological Collection of Zoological Survey of India, Kolkata and the other in the Zoological Museum, Copenhagen where the material was deposited. Locality details as per personal communication from Dr. F.J. Madsen; Investigator St. 464. South of Sri Lanka, 6° 02' 30'' N 81° 29' E. 95-124 m (52-68 fms.). Holotype in the National Zoological Collection of Zoological Survey of India, Kolkata.
1971. *Phyllacanthus forcipulatus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms.* 140-141 (distribution) and 151 (key).

4. *Phyllacanthus imperialis* (Lamarck)

1816. *Cidarites imperialis* Lamarck, J.B.P.A. de, *Hist. nat. anim. s. vert.*, 3 : 54.
1925. *Phyllacanthus imperialis* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 10. Red Sea, Mauritius, Sri Lanka, Torres Strait.
1928. *Phyllacanthus imperialis* : Mortensen, T. *A Monograph of Echinoidea.*, I : 504. With forma *typicus*, forma *sustigerus*, forma *unicolor*. Indo-Pacific from Red Sea, Zanzibar and Madagascar to Queensland and Tonga Islands and to Liu-Kiu Islands, limited to littoral region especially on the coral reefs, greatest depth Siboga Station 310. 73 m.

1969. *Phyllacanthus imperialis* : James, D.B. *Bull. cent. mar. Fish. Res. Instt. No.*, **7** : 57. Kerala : Kochi.
1971. *Phyllacanthus imperialis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*. 140-141 (distribution) and 151 (key).
1997. *Phyllacanthus imperialis* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **13**(1-2) : 52. South Andamans : Ritchie's Archipelago (RJMNP-Henry Lawrence Island).
2005. *Phyllacanthus imperialis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 77. Andaman Islands.

5. *Poriocidaris purpurata* Wyville-Thompson

1869. *Porocidaris purpurata* Wyville Thomson, *Proc. Roy. Soc.*, 1869
1906. *Porocidaris purpurata* : Döderlein, L. *Wiss. Ergbn. Dt. Tiefsee-Exped. "Valdivia"* **V** : 117. Nicobars : SW of Great Nicobar, 7° 49' N 93° 07' E, 805 m.
1928. *Poriocidaris purpurata* : Mortensen, T. *A Monograph of Echinoidea*, **I** : 104. Only one species of this genus (*Poriocidaris*) is known till now, but it does not seem improbable that the form stated to occur in the Indian Ocean, hitherto referred to the Atlantic species will ultimately turn out to be a separate species- if it be not a mistake that it came from the Indian Ocean. Known only from NE Atlantic, S. of Iceland and Faroe Channel to Canaries, 750-1804m. Döderlein records this species from the Indian Ocean where a single specimen was taken by the *Valdivia* at the Sombero Channel, Nicobar Islands, 805 m the specimen is so young it would not be safe to conclude that the specific differences could not be found, if adult specimens of the form from Indian ocean are available.
1983. *Procidaris purpureata* (sic!) : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. Nicobar.
2005. *Poriocidaris purpurata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 78. Nicobar Islands.

Remark : Wood-Mason, J. and Alcock, A. (1891. *Ann. Mag. nat. Hist.*, (6)**VIII** : 440) mentioned a small specimen of *Poriocidaris* with a test diameter of 8 mm from *Investigator* St. 116. Off South Andaman Islands, 11° 25' 05'' N 92° 47' 06'' E, 741 m (405 fms.).

6. *Prionocidaris baculosa* (Lamarck)

1816. *Cidarites baculosa* Lamarck, J.B.P.A. de. *Hist. nat. anim. vert.*, **3** : 55.
1894. *Phyllacanthus annulifera* : Anderson, A.R.S. *J. Asiat. Soc. Beng*, **62** (part II, No. 3) : 188. Coromandel coast, 13 m (7 fms.).
1895. *Phyllacanthus baculosa* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3**(II) : 115. Tamil Nadu : Gulf of Mannar (Tuticorin).
1904. *Phyllacanthus baculosa* : Herdman, W.A. and Herdman, J.B. In : W.A. Herdman (ed.), *Report to the Government of Ceylon on the Peral Oyster Fisheries of the Gulf of Manaar*, Part II. Supplementary Report **X** : 138. Tamil Nadu : Gulf of Mannar (south of Adam's Bridge).
1925. *Prionocidaris baculosa* : H.L. Clark. *Catalogue of recent sea-urchins in the collections of the British Museum (Natural History)*, p. 12. Tamil Nadu : Chennai; Red Sea, East Africa, Pakistan, Mauritius, Chagos, East Indies, Philippines.

1927. *Prionocidaris baculosa* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 30. Persian Gulf Investigator St. 291. 26° 22' N 56° 10' E. 88-90 m (48-49 fms.); Bay of Bengal, 6° 01' N 81° 16' E. 62 m (34 fms.).
1927. *Prionocidaris baculosa* var. *annulifera* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 31. Andamans : Investigator St. 238. East of North Andaman. 13° 16' N 93° 08' E. 137-110 m (75-60 fms.). Bay of Bengal, 59 m (32 fms.); Bay of Bengal, 62 m (34 fms.); Lakshadweep. 91-55 m (50-30 fms.).
1928. *Prionocidaris baculosa* : Mortensen, T. *A Monograph of Echinoidea*, I : 436 (Key to species of the genus). With varieties *longicollis* and *annulifera*.
1971. *Prionocidaris baculosa* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 140-141 (distribution) and 151 (key).
1983. *Prionocidaris baculosa* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. South Andamans : Port Blair. 5 m.
2005. *Prionocidaris baculosa* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 77. Andaman Islands.

6a. *Prionocidaris bispinosa* (Lamarck)

1816. *Cidarites bispinosa* Lamarck, J.B.P.A. de. *Hist. nat. anim. s. vert.*, **3** : 57.
1928. *Prionocidaris bispinosa* : Mortensen, T. *A Monograph of Echinoidea*, I : 468.

Material : Myanmar : Mergui Archipelago (Pilai Island). Marine Survey, March 1884, one broken specimen.

Description : Pore pairs small, equal sized, conjugate. Aboral primaries long and banded with red on pale yellow; shaft varying from nearly smooth to coarsely thorny, the thorns tending to form longitudinal series, sometimes arranged in whorls near the base on the upper side; tips generally with a crown or ointed. Oral primaries short, flattened and curved, tips with a flared crown. Collar and base of spines and the mamelons of tubercles uniformly pink, collars not spotted. Some of the spines are encrusted with barnacles and serpulids.

Distribution : Sri Lanka, Java, the Philippines, Moluccan seas and Australia. The species is here reported for the first time from Myanmar coast.

7. *Prionocidaris verticillata* (Lamarck)

1816. *Cidarites verticillata* Lamarck, J.B.P.A. de. *Hist. nat. anim. vert.*, **3** : 56.
1887. *Phyllacanthus verticillatus* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140. Andamans.
1925. *Prionocidaris verticillata* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 17. Andamans; East Africa; Mauritius; Chagos; Philippines; Samoa.
1971. *Prionocidaris verticillata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 140-141 (distribution) and 151 (key).

1983. *Phyllacanthus verticillatus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. Andaman Island.
1989. *Prionocidaris verticillata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **43** : 113. Lakshadweep : Chetlat, Kiltan.
1991. *Prionocidaris verticillata* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 395. Lakshadweep : Chetlat, Kiltan.
1997. *Prionocidaris verticillata* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **13**(1-2) : 52. South Andamans : MGMNP (Pongibalu); Ritchie's Archipelago (RJMNP- Henry Lawrence Island).
2005. *Prionocidaris verticillata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 78. Andaman Islands.

8. *Stereocidaris alcocki* (Anderson)

1894. *Dorocidaris alcocki* Anderson, A.R.S. *Jour. Asiat. Soc. Beng.*, **62** (part II, no. 3) : 191. Karnataka : Investigator Satation 177. N of Lakshadweep, 13° 47' 49'' N 73° 07' E. 1163 m (636 fms.), [1165 m (637 fms.) as per Station List].
1927. *Stereocidaris alcocki* : Kochler, R. *Echinoderma of the Indian Museum*, Part X : 27. Karnataka : North of Lakshadweep, 13° 47' 49'' N 73° 07' E, 1163 m (636 fms.); Orissa : Investigator St. 33. 8 miles SW of Puri, 24 m (13 fms.); Andamans : Andaman Sea, 457 m (250 fms.); Andaman Sea, 238-457 m (130-250 fms.); Bay of Bengal, 439-402 m (240-220 fms.).
1983. *Stereocidaris alcocki* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. Andaman Sea, 237-1163 m.
2005. *Stereocidaris alcocki* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 79. Andaman Islands.

9. *Stereocidaris indica* Döderlein

1901. *Stereocidaris indica* Döderlein, L. *Zool. Anz.*, **23** : 19.
1904. *Stereocidaris indica* : Meijere, J.C.H. de, *Siboga Exped. Monog.*, **43** : 18.
1927. *Stereocidaris indica* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 25. Andaman Sea, 878 m (480 fms.).
1983. *Stereocidaris indica* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. Andaman Sea, 733-873 m.
2005. *Stereocidaris indica* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 79. Andaman Islands.

10. *Stylocidaris albidens* H. L. Clark

1925. *Stylocidaris bracteata* var. *albidens* Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 23. Sri Lanka, Macclesfield Bank.
1927. *Stylocidaris bracteata* var. *albidens* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 33. Investigator St. 238. Off North Andamans, 13° 16' N 93° 08' E. 137-110 m (75-60 fms.); South Andamans : Port Blair, 110 m (60 fms.).

1928. *Stylocidaris albidens* : Mortensen, T. *A Monograph of Echinoidea*, I : 335 (key to species of the genus).
1983. *Stylocidaris bracteata* var. *albidens* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. South Andamans : Port Blair, 109-137 m.
2005. *Stylocidaris albidens* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 79. Andaman Islands.

Material : Other localities : *Investigator* St. 535. Mergui Archipelago, Myanmar, 13 04 30'' N 96 44' E. m (65 fms.), Mar. Surv., 17.4.1913. one spec.

11. *Stylocidaris brevicollis* (de Meijere)

1904. *Cidaris baculosa* var. *brevicollis* Meijere, J.C.H. de, *Siboga Exped. Monog.*, **43** : 11.
1927. *Stylocidaris brevicollis* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 33. North Andamans : *Investigator* St. 70. East of North Andaman, 13° 16' 30'' N 93° 08' E, 128 m (70 fms.); 18 miles SW of the southern extremity of Interview Island, 439-82 m (240-45 fms.); Andaman Sea, 238-457 m (130-250 fms.).
1928. *Stylocidaris brevicollis* : Mortensen, T. *A Monograph of Echinoidea*, I : 335 (key to species of the genus).
1983. *Prionocidaris brevicollis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. Andaman Sea, 82-457 m.
2005. *Prionocidaris brevicollis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 78. Andaman Islands.

12. *Stylocidaris lorioli* (Koehler)

1927. *Dorocidaris lorioli* Koehler, R. *Echinoderma of the Indian Museum*, Part X : 21 Andaman Sea. 205 m (112 fms.)
1928. *Stylocidaris lorioli* : Mortensen, T. *A Monograph of Echinoidea*, I : 335 (key to species of the genus).
1983. *Dorocidaris lorioli* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. Andaman Island.
2005. *Stylocidaris lorioli* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 79. Andaman Islands.

13. *Stylocidaris tiara* (Anderson)

1894. *Dorocidaris tiara* Anderson, A.R.S. *Jour. Asiat. Soc. Beng.*, **62** (part II, no. 3) : 188. Sri Lanka.
1927. *Dorocidaris tiara* : Koehler, *Echinoderma of the Indian Museum*, Part X : 15. Lakshadweep Sea, 8° 38' N 75° 37' 30'' E, 410-519 m (224-284 fms.); Andaman Sea, 219 m (120 fms.). Southern Coast of Sri Lanka, 260-732 m (142-400 fms.).
1928. *Stylocidaris tiara* : Mortensen, T. *A Monograph of Echinoidea*, I : 335 (key).
1983. *Dorocidaris tiara* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. Andaman Sea, 259-732m.

2005. *Stylocidaris tiara* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 79 Andaman Islands.

13a. *Acanthocidaris maculicollis* (Meijere)

1903. *Porocidaris maculicollis* de Meijere, J.C.H. *Tijdsch. Nederland Dierk. Verein*, (2)**VIII** : 1.

1927. *Acanthocidaris maculicollis* : Koehler, R. *Echinoderma of the Indian Museum*, Part **X** : 23.

1928. *Acanthocidaris maculicollis* : Mortensen, T. *A Monograph of Echinoidea*, **I** : 329.

Material: Other locality : Myanmar-Investigator St. 535. Mergui Archipelago. 13° 04' 30'' N 96° 44' E. 214 m (117 fms.); one specimen.

Description : The specimen measures 31 mm in diameter and 20 mm in height. Pore pairs subconjugate. Primary tubercles perforate and crenulate; tubercles on genital plates elongate and radiating from the center of the plate; aboral primary spines long, the longest with broken tip measures 65 mm; shaft with longitudinal ridges and tips transversely banded with red-brown and whitish; collar long. upper side with 4-6 longitudinal series of red-brown spots and lower side with a single or double series of similar spots often united into longitudinal lines. Oral primaries flattened and with serrate edges.

Remarks : The largest of Meijere's type specimens from *Siboga* was only 18 mm in diameter, while the largest of Koehler's specimens measured 23 mm in diameter. The present specimen is the largest known so far. One of the Koehler's specimens was infested with parasitic gastropods, probably *Mucronalia*, while Mortensen (1928) found barnacles on the spines. Bryozoan encrustations are present on some of the spines of the present specimen.

Distribution : Koehler (1927) reported this species from Investigator collections but the locality is not known even from the Register or from the specimens. It is possible that they came from Bay of Bengal and most probably from the same or nearby region as the present material. Malay Archipelago, Bonin Islands and Sagami Bay. The species is reported here for the first time from Bay of Bengal with complete locality data.

Order ECHINOTHURIOIDA Family ECHINOTHURIIDAE

14. *Hygrosoma luculentum* (A. Agassiz)

1879. *Phormosoma luculentum* Agassiz, A. *Proc. Amer. Acad.*, **14** : 201.

1881. *Phormosoma luculentum* : Agassiz, A. *Reports of Challenger Zool.*, **III** : 97.

1894. *Phormosoma luculentum* : Anderson, A.R.S. *Jour. Asiat. Soc. Beng.*, **62** (part II, no. 3) : 195. Investigator Station 145. Off Goa, 15° 05' 03'' N 72° 38' 10'' E, 1273 m (696 fms.). Wrongly given in the publication as Lakshadweep Sea.

1903. *Hygrosoma luculentum* : Mortensen, T. *The Danish Ingolf Expedition*. IV. *Echinoidea*, Part **I** : 59.

1906. *Hygrosoma luculentum* : Döderlein, L. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia"* **V** : 143.

1927. *Hygrosoma luculentum* : Koehler, R. *Echinoderma of the Indian Museum*. Part X : 36. Lakshadweep : South of Minicoy, 6° 56' 56'' N 72° 52' 30'' E, 839 m (459 fms.); Andaman Sea, 485 m (265 fms.); Andaman Sea, 741 m (405 fms.); Andaman Sea, 914 m (500 fms.); North Andamans : East of North Andaman, 13° 27' N 93° 14' 30'' E, 741 m (405 fms.); South Andamans : Off Port Blair, 496 m (271 fms.); *Investigator* St. 115. West of Little Andaman Island, 11° 31' 40'' N 92° 46' 40'' E, 344-402 m (188-220 fms.); *Investigator* St. 116. West of Little Andaman Island, 11° 25' 05'' N 92° 47' 06'' E, 741 m (405 fms.).
1935. *Hygrosoma luculentum* : Mortensen, T. *Monograph of Echinoidea*, II : 215.
1940. *Hygrosoma luculentum* : Mortensen, T. *Bull. U.S. natn. Mus.*, 100 (Vol.) 14, Part 1 : 17.
1983. *Hygrosoma luculentum* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 92. South Andamans : Port Blair.
2005. *Hygrosoma luculentum* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 80. Andaman Islands.

15. *Phormosoma bursarium* A. Agassiz

1881. *Phormosoma bursarium* A. Agassiz, *Rep. Challenger Echinoidea*, Zoology, 3 : 99.
1894. *Phormosoma bursarium* : Anderson, A.R.S. *Jour. Asiat. Soc. Beng.*, 62 (part II, no. 3) : 192. Lakshadweep : *Investigator* Station 176. Lakshadweep Sea, 11° 47' 06'' N 73° 57' 30'' E, 1957 m (1070 fms.); Karnataka : *Investigator* Station 177. North of Lakshadweep, 13° 47' 49'' N 73° 07' E, 1163 m (636 fms.). [1165 m (637 fms.) as per Station List].
1906. *Phormosoma indicum* : Döderlein, L. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia"* V : 130.
1905. *Phormosoma indicum* : Döderlein, L. *Zool. Anz.*, XXVIII : 621.
1925. *Phormosoma bursarium* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 54. Philippines.
1927. *Phormosoma indicum* : Koehler, R. *Echinoderma of the Indian Museum*. Part X : 40 Lakshadweep : *Investigator* St. 197. 9° 34' 57'' N 75° 36' 30'' E, 742 m (406 fms.); Kerala : *Investigator* St. 337. 9° 43' N 75° 35' E, 496 m (271 fms.); Tamil Nadu : St. 280. N of the mouth of Kaveri River, 11° 29' 45'' N 80° 02' 30'' E, 816 m (446 fms.); Andhra Pradesh : Off Kristna Coast, 1377 m (753 fms.); 16° 01' N 81° 25' E, 750 m (410 fms.); 15° 43' 30'' N 81° 19' 30'' E, 1606 m (878 fms.); *Investigator* St. 142. 14° 13' 08'' N 80° 24' 02'' E, 1048 m (573 fms.); Andamans : *Investigator* St. 115. Off North Andamans, 13° 31' 40'' N 92° 46' 40'' E, 344-402 m (188-220 fms.) [St. no. 118 and Longitude given by Koehler are probably printing mistakes, the correct location tallying with the depth and Latitude is St. 115. 11° 31' 40'' N 92° 46' 40'' E as per the Station List of R.I.M.S. *Investigator*. No details do not tally with St. 118.]; *Investigator* St. 116. Off South Andamans, 11° 25' 05'' N 92° 47' 06'' E, 741 m (405 fms.); *Investigator* St. 222. East of North Andaman, 13° 27' N 93° 14' 30'' E, 741 m (405 fms.); *Investigator* St. 310. East of Andamans, 13° 29' 30'' N 95° 29' E, 1756 m (960 fms.); *Investigator* St. 314. East of North Andaman, 13° 56' N 93° 36' E, 1121 m (613 fms.); *Investigator* St. 332. Between Little Andaman and Car Nicobar, 10° 21' N 92° 46' 15'' E, 510 m (279 fms.); Andaman Sea, 485 m (265 fms.); Andaman Sea, 496 m (271 fms.); Andaman Sea, 741 m (405 fms.); Andaman Sea, 878 m (480 fms.); Bay of Bengal, 2377 m (1300 fms.). Maldives : *Investigator* St. 276. 7° 11' N 76° 35' 30'' E, 1840 m (1006 fms.).
1935. *Phormosoma bursarium* : Mortensen, T. *Monograph of Echinoidea*, II : 135.
1940. *Phormosoma bursarium* : Mortensen, T. *Bull. U.S. natn. Mus.*, 100 (Vol. 14, part 1) : 4

1983. *Phormosoma bursarium* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. Andaman Sea, 1163-1958 m.
2005. *Phormosoma bursarium* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 80. Andaman and Nicobar Islands.

16. *Phormosoma verticillatum* Mortensen

1904. *Phormosoma verticillatum* Mortensen, T. *Ann. Mag. nat. Hist.*, (7)**14** : 90.
1909. *Phormosoma verticillatum* : A. Agassiz and H.L. Clark, *Bull. Mus. comp. Zool. Harv.*, **XXIV**(3) : 156.
1927. *Phormosoma verticillatum* : Koehler, R. *Echinoderma of the Indian Museum*, Part **X** : 41. Lakshadweep : 11° 47' 06'' N 73° 57' 30'' E, 1957 m (1070 fms.); Nicobars : *Investigator St.* 255. West of Car Nicobar, 9° 26' 30'' N 91° 56' 30'' E, 1589-1670 m (869-913 fms.).
1935. *Phormosoma verticillatum* : Mortensen, T. *Monograph of Echinoidea*, **II** : 135.
1940. *Phormosoma verticillatum* : Mortensen, T. *Bull. U.S. natn. Mus.*, **100** (Vol. 14, part 1) : 7.
1983. *Phormosoma verticillatum* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. Andaman Sea, 1184-1958 m.
2005. *Phormosoma verticillatum* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 80. Andaman and Nicobar Islands.

16a. *Phormosoma* sp.

Remark : Wood-Mason, J. and Alcock, A. (1891. *Ann. Mag. nat. Hist.* (6)**VIII** : 440) reported collection of 'scores of fine specimens of a large species taken (off South Andamans) in the Andaman Sea at *Investigator* Stations 115. 11° 31' 40'' N 92° 46' 40'' E, 344-402 m (188-220 fms.) and 116. 11° 25' 05'' N 92° 47' 06'' E, 741 m (405 fms.)' These specimens probably belong to *Phormosoma bursarium* reported by Koehler, *vide supra* as *Phormosoma indicum*.

17. *Sperosoma biserialatum* Döderlein

1901. *Sperosoma biserialatum* Döderlein, L. *Zool. Anz.*, **XXIII** : 20.
1906. *Sperosoma biserialatum* : Döderlein, L. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia"* **V** : 150.
1927. *Sperosoma biserialatum* : Kochler, R. *Echinoderma of the Indian Museum*, Part **X** : 43. Arabian Sea, 1353 m (740 fms.); Kerala : Off Travancore, 786 m (430 fms.).
2005. *Phormosoma verticillatum* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 80. Andaman and Nicobar Islands.

Order DIADEMATOIDA
Family DIADEMATIDAE

18. *Astropyga radiata* (Leske)

1778. *Cidaris radiata* Leske, N.G. *Additamenta ad Kleinii naturalem dispositionem Echinodermatum*, p. 116.
1887. *Astropyga radiata* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140. Andamans.
1902. *Astropyga* sp. Bell, F.J. In : J.S. Gardiner (ed.), *Fauna and Geography of the Maldiv and Laccadive Archipelagoes*, 1 : 231. Lakshadweep : Minicoy.
1904. *Astropyga radiata* : de Meijere, J.C.H. *Siboga Exped. Monog.*, **43** : 56.
1904. *Astropyga radiata* : Mortensen, T. *The Danish Expedition to Siam. Echinoidea*, p. 18.
1925. *Astropyga radiata* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 46. Andamans. East Africa; Dar-es-Salaam; Mauritius; Seychelles; Maldives; Hawaii.
1927. *Astropyga radiata* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 51. Orissa : Ganjam Coast, 44-55 m (24-30 fms.); Gopulpore, 46-51 m (25-28 fms.); North Andamans : Table Island. Myanmar : Mergui Archipelago (Terribles), 24 m (13 fms.).
1940. *Astropyga radiata* : Mortensen, T. *A Monograph of Echinoidea.*, **III**(1) : 187. Widely distributed allover the Indo-West Pacific region from East Coast of Africa (Zanzibar to Durban) to Australia (Queensland) and South Sea Islands and at least as far east as New Britain and Hawaii. Littoral to 60 m.
1940. *Astropyga radiata* : Mortensen, T. *Bull. U.S. natn. Mus.*, **100** (Vol. 14, part 1) : 33.
1969. *Astropyga radiata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 58. Tamil Nadu : Gulf of Mannar (Tuticorin).
1971. *Astropyga radiata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 140-141 (distribution) and 152 (key).
1983. *Astropyga radiata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. Andaman Island.
1985. *Astropyga radiata* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985. Paper No.*, **54** (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Astropyga radiata* : James, D.B. *J. mar. biol. Ass.*, **25**(1-2) : 102 (1983). Tamil Nadu : Chennai.
1988. *Astropyga radiata* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*, **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1991. *Astropyga radiata* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 386. Lakshadweep : Minicoy.
2005. *Astropyga radiata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 81. Andaman Islands.

19. *Centrostephanus nitidus* Koehler

1927. *Centrostephanus nitidus* Koehler, R. *Echinoderma of the Indian Museum*, Part X : 53. Investigator St. 237. Off North Andamans, 13° 17' N 93° 07' E, 165 m (90 fms.).

1940. *Centrostephanus nitidus* : Mortensen, T. A *Monograph of Echinoidea.*, **III**(1) : 318. *Investigator St.* 237. Off Mergui Islands, 160 m; John Murray Expedition : Maldives, 229 m. The location of *Investigator Station 237* is off North Andamans, not off Mergui Islands of Myanmar.
1983. *Centrostephanus nitidus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. Andaman Sea.
2005. *Centrostephanus nitidus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 81. Andaman Islands.

20. *Chaetodiadema granulatum* Mortensen

1903. *Chaetodiadema granulatum* Mortensen, T. *The Danish Ingolf Expedition.*, **II**(1) : 22.
1903. *Chaetodiadema granulatum* : Mortensen, T. *Vidensk. Meddr dansk naturh. Foren.*, **1903** : 1.
1904. *Chaetodiadema granulatum* : de Meijere, J.C.H. *Siboga Exped. Monog.*, **43** : 54.
1927. *Chaetodiadema granulatum* : Koehler, R. *Echinoderma of the Indian Museum*, Part **X** : 49. Orissa : Orissa Coast, 37 m (20 fms.); Gopalpore, 46-51 m (25-28 fms.); *Investigator St.* 90. 8 miles South of Puri; Andhra Pradesh : Santapalli (Srikakulam District).
1940. *Chaetodiadema granulatum* : Mortensen, T. A *Monograph of Echinoidea.*, **III**(1) : (p. 222). Center of distribution in the Malay Archipelago but occurs also in the Indian Ocean at least so far west as the Maldiv Islands; 15-216 m.
1940. *Chaetodiadema granulatum* : Mortensen, T. *Bull. U.S. natn. Mus.*, **100** (Vol. 14, part 1) : 35.
1971. *Chaetodiadema granulatum* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 140-141 (distribution) and 152 (key).
1995. *Chaetodiadema granulatum* : Sastry, D.R.K. *Estuarine Ecosystem Series*, Part **2** : *Hugli Matla Estuary*, p. 335. Subtidal sandy areas. West Bengal : Mouth of Hugli River (Sandheads).
1998. *Chaetodiadema granulatum* : Sastry, D.R.K. *State Fauna Series 3: Fauna of West Bengal*, Part **10** : 480. Specimens identified by Dr. Th. Mortensen. West Bengal : Mouth of Hugli River (Sandheads).
2005. *Chaetodiadema granulatum* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 81. South Andamans : Off Shoal Bay.

Material : Andhra Pradesh : Srikakulam District (8 miles ESE of Kalingapatnam, B. F. "Golden Crown" 1 spec).

21. *Diadema savignyi* Michelin

Remark : The characters differentiating *Diadema savignyi* and *Diadema setosum*, tridentate pedicellariae and red ring around the anal region of periproct, the former being very few and the latter in the preserved specimens-are not always discernible. As such the records might belong to either of the species. Further the species are mostly sympatric. Hence the records of both the species are given under *Diadema setosum*.

22. *Diadema setosum* (Leske)

1758. *Echinus saxatile* Linnaeus, C. *Systema Naturae*, Ed., **10** : 664.

1778. *Echinometra setosa* Leske. N.G. *Add. Ad Klein*. 36.
1845. *Diadema savignyi* Michelin. *Rev. Mag. Zool. Paris* (2) Zoophytes. **1845** : 15.
1887. *Diadema setosum* : Bell. F.J. *Proc. zool. Soc. Lond.*, **1887** : 140, 141. Andamans.
1904. *Diadema saxatile* : Mortensen. T. *The Danish Expedition to Siam. Echinoidea*. p. 9.
1925. *Diadema savignyi* : Clark. H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*. p. 43. Muscat. Mauritius. Macclesfield Bank.
1925. *Diadema setosum* : Clark. H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*. p. 43. Red Sea. Mauritius. Seychelles. East Africa. Sri Lanka. East Indies. Macclesfield Bank. Japan. Australia. Tonga Islands.
1927. *Diadema saxatile* : Kochler. R. *Echinoderma of the Indian Museum*. Part X : 47. South Andamans : Port Blair; Muscat.
1927. *Aspidodiadema annulatum* Kochler. R. *Echinoderma of the Indian Museum*. Part X : 61. South Andamans : Invisible Bank, 29-75 m (16-41 fms.) (= young *Diadema*). *Aspidodiadema annulatum* described by Kochler (1927. "Investigator" Echinoidea III : 61) is no *Aspidodiadema* but simply a *Diadema* either *D. setosum* or *savignyi* (Mortensen, 1940 : 60, *vide infra* under *Aspidodiadema nicobaricum*).
1940. *Diadema setosum* : Mortensen. T. *Bull. U.S. natn. Mus.*, **100** (Vol. 14. part 1) : 36.
1940. *Diadema savignyi* : Mortensen. T. *Bull. U.S. natn. Mus.*, **100** (Vol. 14. part 1) : 37.
1940. *Diadema savignyi* : Mortensen. T. *A Monograph of Echinoidea.*, **III**(1) : 265. Indo Pacific : East Africa to South Sea Is., Japan. Bonin Is., Easter Is.
1940. *Diadema setosum* : Mortensen. T. *A Monograph of Echinoidea.*, **III**(1) : 251. Indo Pacific : African coast (Suez to S. of Durban) and Madagascar to Hong Kong. Japan and Bonin Is.
1969. *Diadema savignyi* : James. D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 58. South Andamans : Port Blair; Lakshadweep : Minicoy.
1969. *Diadema setosum* : James. D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 58. South Andamans : Port Blair; Nicobars : Nancowry.
1971. *Diadema savignyi* : Clark. A.M. and Rowe. F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*. 140-141 (distribution) and 153 (key).
1971. *Diadema setosum* : Clark. A.M. and Rowe. F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*. 140-141 (distribution) and 153 (key).
1983. *Diadema savignyi* : James. D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. South Andamans Port Blair. intertidal.
1989. *Diadema setosum* : James. D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **43** : 114. Lakshadweep : Kiltan.
1991. *Diadema setosum* : James. D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 21. South Andamans : Labyrinth Islands (MGMNP-Jolly Buoy, Redskin, Malay).
1991. *Diadema savignyi* : Sastry. D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 386. Lakshadweep : Agatti. Kadamat. Kavaratti.
1991. *Diadema setosum* : Sastry. D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 395. Lakshadweep : Kiltan.

1999. *Diadema setosum* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(1) : 92. Nicobars : Great Nicobar Island.
2001. *Diadema setosum* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 164. South Andamans : Ritchie's Archipelago (RJMNP-Outram Island).
2004. *Diadema savignyi* : Sastry, D.R.K. *Rec. zool. Surv. India*, **103**(1-2) : 62. Nicobars : Great Nicobar Island.
2005. *Diadema savignyi* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 81. Andaman and Nicobar Islands.

23. *Echinothrix calamaris* (Pallas)

1774. *Echinus calamaris* Pallas. *Spec. Zool.* **1**(10) : 31.
1902. *Echinothrix desori* : Bell, F.J. In : J.S. Gardiner (ed.), *The Fauna and Geography of the Maldives and Laccadive Archipelagoes*, **1** : 230. Lakshadweep : Minicoy.
1904. *Echinothrix calamaris* : de Meijere, J.C.H. *Siboga Exped. Monog.*, **43** : 51.
1904. *Echinothrix calamaris* : Mortensen, T. *The Danish Expedition to Siam. Echinoidea*, p. 30.
1925. *Echinothrix calamaris* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 44. Lakshadweep : Minicoy; Andamans. Mauritius; Maldives; East Indies; Macclesfield Bank; Fiji Islands; Samoa.
1927. *Echinothrix calamaris* : Koehler, R. *Echinodermata of the Indian Museum*, Part X : 47. Andhra Pradesh : Investigator St. 78. 10 miles ENE of Barwa. 33 m (18 fms.); North Andamans : Table Island; South Andamans : Ritchie's Archipelago (Inglis Island).
1940. *Echinothrix calamaris* : Mortensen, T. *Bull. U.S. natn. Mus. No.*, **100** (Vol. 14, part 1) : 37.
1940. *Echinothrix calamaris* : Mortensen, T. *A Monograph of Echinoidea.*, **III**(1) : 285. Indo-West Pacific, littoral to 70 m.
1969. *Echinothrix calamaris* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 58. South Andamans : Port Blair; Middle Andamans : Rangat Bay.
1971. *Echinothrix calamaris* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 140-141 (distribution) and 153 (key).
1983. *Echinothrix calamaris* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. South Andamans : Port Blair, intertidal.
1991. *Echinothrix calamaris* : James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 21. South Andamans : Labyrinth islands (MGMNP-Grub island).
1991. *Echinothrix calamaris* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 386. Lakshadweep : Agatti, Androth, Kavaratti, Minicoy.
2001. *Echinothrix calamaris* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 165. South Andamans : Ritchie's Archipelago (Havelock Island; RJMNP-Henry Lawrence Island).
2004. *Echinothrix calamaris* : Sastry, D.R.K. *Rec. zool. Surv. India*, **103**(1-2) : Nicobars : Great Nicobar Island.
2005. *Echinothrix calamaris* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 83. Andaman and Nicobar Islands.

24. *Echinothrix diadema* (Linnaeus)

1758. *Echinus diadema* Linnaeus, C. *Systema Naturae*, Ed. 10 : 664.
1902. *Diadema saxatile* : Bell, F.J. In : J.S. Gardiner (ed.), *The Fauna and Geography of the Maldive and Laccadive Archipelagoes*, 1 : 230. 'found on every reef' taken also from Lakshadweep : Minicoy.
1902. *Echinothrix diadema* : Bell, F.J. In : J.S. Gardiner (ed.), *The Fauna and Geography of the Maldive and Laccadive Archipelagoes*, 1 : 230. Lakshadweep: Minicoy.
1904. *Echinothrix diadema* : de Meijere, J.C.H. *Siboga Exped. Monog.*, 43 : 50.
1910. *Echinothrix turcarum* : Brown, R.N.R. *Trans. Linn. Soc. Lond.*, XIII : 33. Myanmar : Mergui Archipelago.
1925. *Echinothrix diadema* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 45. Andamans; Aden; Mauritius; Samoa.
1927. *Echinothrix diadema* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 48. North Andamans : Table Island.
1940. *Echinothrix diadema* : Mortensen, T. *A Monograph of Echinoidea.*, III(1) : 290. Indo-West Pacific, littoral.
1969. *Echinothrix diadema* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 58. Lakshadweep : Minicoy.
1971. *Echinothrix diadema* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 140-141 (distribution) and 153 (key).
1983. *Echinothrix diadema* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 91. South Andamans : Port Blair.
1991. *Echinothrix diadema* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 387. Lakshadweep : Androth.
2004. *Echinothrix diadema* : Sastry, D.R.K. *Rec. zool. Surv. India*, 103(1-2) : 62. Nicobars : Great Nicobar Island.
2005. *Echinothrix diadema* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 83. Andaman and Nicobar Islands.

Family ASPIDODIADEMATIDAE

25. *Aspidodiadema nicobaricum* Döderlein

1901. *Aspidodiadema nicobaricum* Döderlein, L. *Zool. Anz.*, 23 : 21. Nicobars : SW of Great Nicobar Island, 6° 54' N 93° 29' E, 296 m.
1906. *Aspidodiadema nicobaricum* : Döderlein, L. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia"* V : 273. Off Great Nicobar, 6° 54' N 93° 29' E, 296 m.
1940. *Aspidodiadema nicobaricum* : Mortensen, T. *A Monograph of Echinoidea.*, III(1) : 60. *Aspidodiadema annulatum* described by Koehler (1927 : 61) is no *Aspidodiadema* but simply a *Diadema* either *D. setosum* or *savignyi*.
1983. *Aspidodiadema nicobaricum* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 91. South-West of Nicobar.

2005. *Aspidodiadema nicobaricum* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 84. SW of Great Nicobar Island.

Order PEDINOIDA
Family PEDINIDAE

26. *Coenopedina depressa* Koehler

1927. *Coenopedina depressa* Koehler, R. *Echinoderma of the Indian Museum*, Part **X** : 74. Kerala : S of Thiruvananthapuram. 7° 17' 30" N 76° 54' E. 786 m (430 fms.).
1940. *Coenopedina depressa* : Mortensen, T. *A Monograph of Echinoidea.*, **III**(1) : 96. The recent species (of *Coenopedina*) are all deep-sea forms mainly in the Indo-Pacific, but also one species in the Atlantic and one at the west coast of America. One of the 10 species described until now, *C. depressa* Koehler (1927 : 74, off Maldive Is. 774 m) from the Indian Ocean is so imperfectly known (only a single young specimen found) that its characteristics cannot be stated. 'Maldives' is a mistake, the locality is clearly S of Thiruvananthapuram and SW of Kanniyakumari closer to and within the Exclusive Economic Zone of India than to the Maldives as stated by Mortensen.

Order SELENIOIDA
Family SALENIIDAE

27. *Salenia sculpta* Koehler

1927. *Salenia sculpta* Koehler, R. *Echinoderma of the Indian Museum*, Part **X** : 71. Off North Andamans Investigator St. 238. 13° 16' N 93° 08' E. 137-110 m (75-60 fms.).
2005. *Salenia sculpta* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 84. Andaman Islands

28. *Salenocidaris miliaris* var. *indica* Mortensen

1939. *Salenocidaris miliaris* var. *indica* Mortensen, T. *The John Murray Expedition, 1933-34. Scientific Reports*, **VI**(1) : 23. John Murray St. 155. Maldives; John Murray St. 162. Lakshadweep : Off Minicoy Island. 8° 08' N 72° 58' E. 1829-2051 m. The Indian locality of St 162. was wrongly mentioned as Andamans while it is actually Lakshadweep as per the longitude and latitude.

Order PHYMOSOMATOIDA
Family STOMECHINIDAE

29. *Stomopneustes variolaris* (Lamarck)

1816. *Echinus variolaris* Lamarck, J.B.P.A. de *Hist. nat. anim. vert.*, **3** : 47.
1883. *Stomopneustes atropurpurea* Woods, J.E.T. *Proc. Linn. Soc. South Wales*, **VII** : 93.
1888. *Stomopneustes variolaris* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1894. *Stomopneustes variolaris* : Anderson, A.R.S. *Jour. Asiat. Soc. Beng.*, **62** (part II, no. 3) : 193. Southern Lakshadweep, clefts in coral rocks.

1895. *Stomopneustes variolaris* : Thurston, E. *Madras Govt. Mus. Bull. No.*, 3(II) : 115. Tamil Nadu : Gulf of Mannar (Pamban).
1904. *Stomopneustes variolaris* de Meijere, J.C.H. *Siboga Exped. Monog.*, 43 : 87
1925. *Stomopneustes variolaris* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 68. Andhra Pradesh (Visakhapatnam); Tamil Nadu (Tuticorin). East Africa: Dar-es-Salaam; Mauritius; Coast of Sind; Myanmar; Samoa.
1927. *Stomopneustes variolaris* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 103. Sri Lanka: Investigator St. 296, Persian Gulf, 26° 4' N 56° 02' E, 86 m (47 fms.).
1935. *Stomopneustes variolaris* : Mortensen, T. *A Monograph of Echinoidea.*, II : 507. All over the Indo-Pacific tropical and subtropical from the African coast and Madagascar to New Caledonia (21° S 165° E) and Samoa (14° S 172° W) and to the Bonin Islands (27° N 142° E) in the North. I have also seen a specimen stated to be from the island of Ohshima in the Sagami Sea, but it does not appear to occur as a rule in southern Japanese seas. On the African coast it occurs at least as far south as Durban (29° 58' S 30° 57' E) where I have found it quite common. From the Red Sea it has not been recorded. *Stomopneustes* does not occur at the American coasts. Limited to the littoral region within the tide zone. It is recorded also as fossil from tertiary deposits of Java, but the exact age has not been ascertained.
1941. *Stomopneustes variolaris* : Gravely, F.H. *Bull. Madras Govt. Mus. New Series (Nat. Hist. Section)*, V(1) : 88, 106. Tamil Nadu : Chennai.
1953. *Stomopneustes* sp. Patil, A.M. *J. Bombay nat. Hist. Soc.*, 51 : 429-434. Karnataka : Karwar coast.
1969. *Stomopneustes variolaris* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 58. Lakshadweep : Minicoy; Tamil Nadu : Gulf of Mannar (Mandapam); Andhra Pradesh : Visakhapatnam (Waltair).
1971. *Stomopneustes variolaris* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 140-141 (distribution) and 153 (key).
1983. *Stomopneustes variolaris* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 91. South Andamans : Port Blair, intertidal.
1985. *Stomopneustes variolaris* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., 54 (Mimeo) : 4. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Stomopneustes variolaris* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. 1 : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Stomopneustes variolaris* : James, D.B. In : M.F. Thompspon *et al. Marine Biodeterioration*, p. 228. Tamil Nadu : Gulf of Mannar (Vedalai).
1991. *Stomopneustes variolaris* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 387. Lakshadweep : Minicoy.
2005. *Stomopneustes variolaris* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 84. Andaman and Nicobar Islands.

Material : Andhra Pradesh : Visakhapatnam (Among rocks on the beach at Waltair, 1.1.1941, 1 spec.; Rocks at Rama Krishna Mission, Dr. A. Daniel, 5.7.1963, 2 specs; Inshore region, Lawson's Bay, Dr. A. Daniel, 6.7.1963, 5 specs; Rocks near Sea View Hotel, E615/1; Rocky shore at Waltair, A.S. Rajagopal, 5.3.1966, 1 spec.; Coast of Waltair,

Prof. R. Gopala Aiyer, 6.2.1947, 1 spec.: between Dolphin's Nose and Scandal point. Rev. H. Hosten, 18 Jan-17 Jun 1916, 1 specimen; Rocky shore at Kailasa Hill. D.R.K. Sastry: 24.2.1995.); From undersurface of rocks in the intertidal region of Bhimunipatnam Coast, Dr. A. Daniel, 8.7.1963, 3 specs; Thamavaram, Dr. A. Daniel, 17.7.1963, 13 specs; Dindi Shore, Dr. A. Daniel, 24.7.1963, 1 spec.: Off Gangavaram (near Viasakhapatnam), 20 m. h.d. 10 mm, K.A. Sai, 13 Jul 1987, 3 specimens (h. d. 14, 17, and 60 mm); Rocky shore at Bandaruvani Peta, Srikakulam District, D.R.K. Sastry, 15.2.1995, 1 specimen (h.d. 25 mm); 8 specimens, no locality; Tamil Nadu : Gulf of Mannar (Pulli Island, about 5 miles from Krusadai Island, H.C. Ray, 7.5.1955, 1 spec.: One mile east of Mandapam Camp, Dr. V.K. Premkumar and P.K. Chakraborti, 22.2.1962, 1 spec.)

Order ARBACIOIDA
Family ARBACIIDAE

30. *Coelopleurus vittatus* Koehler

1927. *Coelopleurus vittatus* Koehler, R. *Echinoderma of the Indian Museum*, Part X : 64. Off North Andamans, 13° 16' 30'' N 93° 08' E, 144 m (79 fms.).
1935. Mortensen, T. *A Monograph of Echinoidea*, II : 612 (key to recent species of the genus).
2005. *Coelopleurus vittatus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 85. Andaman Islands.

31. *Pygmaeocidaris prionigera* (A. Agassiz)

1879. *Podocidaris prionigera* Agassiz, A. *Proc. Amer. Acad.*, 14 : 199.
1881. *Podocidaris prionigera* Agassiz, A. *Rep. Challenger Zool.*, III : 59.
1891. *Podocidaris prionigera* : Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)8 : 40. Andamans : Investigator St. 112. Off North Andamans, 13° 47' 30'' N 92° 36' E, 1026 m (561 fms.). The same species was dredged in the Bay of Bengal at 2908 m (1590 fms.) in the year 1888.
1925. *Pygmaeocidaris prionigera* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 73. Philippines, between New Guinea and Admiralty Islands.
1927. *Pygmaeocidaris prionigera* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 63. Andamans : Investigator St. 112. Off North Andamans, 13° 47' 30'' N 92° 36' E, 1026 m (561 fms.).
1935. *Pygmaeocidaris prionigera* : Mortensen, T. *Monograph of Echinoidea*, II : 553.
1940. *Pygmaeocidaris prionigera* : Mortensen, T. *Bull. U.S. natn. Mus.*, 100(Vol. 14, part 1) : 25.
1983. *Pygmaeocidaris prionigera* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 91. Andaman Sea, 1026 m.
2005. *Pygmaeocidaris prionigera* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 85. Andaman Islands.

Order TEMNOPLEUROIDA
Family TEMNOPLEURIDAE

32. *Mespilia globulus* (Linnaeus)

1758. *Echinus globulus* : Linnaeus, C. *Systema Naturae*, Ed. 10 : 664.
1904. *Mespilia globulus* : Mortensen, T. *The Danish Expedition to Siam, Echinoidea*, p. 96.
1910. *Mespilia globulus* : Brown, R.N.R. *Trans. Linn. Soc. Lond.*, XIII : 25. Myanmar : Mergui Archipelago.
1925. *Mespilia globulus* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 93. Korea, Japan, Macclesfield Bank, Philippines, Celebes, New Guinea, Samoa.
1927. *Mespilia globulus* : Kochler, R. *Echinoderma of the Indian Museum*, Part X : 88. Myanmar : Mergui Archipelago (Great West Torres).
1940. *Mespilia globulus* : Mortensen, T. *Bull. U.S. natn. Mus.*, 100(Vol. 14, part 1) : 47.
1943. *Mespilia globulus* : Mortensen, T. *A Monograph of Echinoidea.*, III(2) : 176.
1971. *Mespilia globulus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 140-141 (distribution) and 155 (key).
1989. *Mespilia globulus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 43 : 117. Lakshadweep : Kavaratti.
1991. *Mespilia globulus* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 396. Lakshadweep : Kavaratti.
1997. *Mespilia globulus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, 13 : 54. South Andamans : Port Blair. MGMNP (Pongibalu). Ritchie's Archipelago (RJMNP-Henry Lawrence Island); Nicobars : Kamorta.
2005. *Mespilia globulus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 85. Andaman and Nicobar Islands.

33. *Microcyphus ceylanicus* Mortensen

1925. *Microcyphus maculatus* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 95. [non: *Microcyphus maculatus* L. Agassiz & Desor, 1846. *Ann. Sci. Nat.*, (3)6 : 358]. Andamans. Mauritius.
1943. *Microcyphus ceylanicus* Mortensen : Mortensen, T. *A Monograph of Echinoidea.*, III(2) : 154.
1971. *Microcyphus ceylanicus* Mortensen : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 140-141 (distribution) and 156 (key).
2005. *Microcyphus ceylanicus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 85. Andaman Islands.

34. *Paratrema doederleini* (Mortensen)

1904. *Pleurechinus doederleini* Mortensen, T. *The Danish Expedition to Siam, Echinoidea*, p. 77.
1912. *Temnotrema doederleini* : H.L Clark, *Mem. Mus. comp. Zool. Harv.*, XXXIV(4) : 319.

1927. *Paratrema doederleini* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 91. Andaman Islands. Hong Kong (Hungerford donation).
1971. *Paratrema doederleini* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 140-141 (distribution) and 154 (key).
1983. *Paratrema doederleini* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. Andaman Island.
2005. *Paratrema doederleini* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 86. Andaman Islands.

35. *Printechinus impressus* Koehler

1927. *Printechinus impressus* Koehler, R. *Echinoderma of the Indian Museum*, Part X : 98. Andamans : *Investigator* St. 238. Off North Andamans, 13° 16' N 93° 08' E. 110-137 m (60-75 fms.).
2005. *Printechinus impressus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 86. Andaman Islands.

36. *Prionechinus agassizi* Wood-Mason and Alcock

1891. *Prionechinus agassizi* Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)VII : 441. Andamans : *Investigator* St. 111. West of North Andaman, 12° 50' N 90° 52' E, 3007 m (1644 fms.). The depth given tallies with that of *Investigator* St. 111, as per Station List of R.I.M.S. *Investigator*, not of St. 116 which is off Little Andaman, 11° 25' 05' N 92° 47' 06'' E, 741 m (405 fms.). Hence, it is corrected as St. 111. Koehler (1927) also reported material from St. 111. Off North Andamans, *vide infra*.
1906. *Prionechinus chuni* : Döderlein, L. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia" V* : 192. Maldives. 0° 02' S 73° 24' E. 2253 m.
1906. *Prionechinus agassizi* : Döderlein, L. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia" V* : 194.
1927. *Prionechinus agassizi* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 89. North Andamans : *Investigator* St. 111. West of North Andaman, 12° 50' N 90° 52' E. 3007m (1644 fms.); South Andamans : West of Little Andaman, 11° 15' N 91° 16' E. 3365 m (1840 fms.).
2005. *Prionechinus agassizi* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 86. Andaman Islands.

37. *Salmaciella dussumieri* (L. Agassiz and Desor)

1846. *Salmacis dussumieri* Agassiz, L. and Desor, *Ann. Sci. Nat.*, **6** : 359.
1888. *Salmacis dussumieri* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1894. *Salmacis dussumieri* : Anderson, A.R.S. *Jour. Asiat. Soc. Beng.*, **62** (part II, no. 3) : 193. Off Coromandel coast, 37 m (20 fms.).
1895. Thurston, E. *Madras Govt. Mus. Bull. No.*, **3**(II) : 115. Tamil Nadu : Gulf of Mannar (Pamban), common in fishing nets at Madras.
1925. *Salmacis dussumieri* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 85. Tamil Nadu : Gulf of Mannar (Tuticorin); Myanmar, Singapore, Philippines, Australia.

1927. *Salmacis dussumieri* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 82. Orissa : Ganjam Coast, 19 m (10 ½ fms.); 8 miles S of Puri; Konark, 9-18 m (5-10 fms.). Sri Lanka : *Investigator* St. 59. Coast of Sri Lanka, 59 m (32 fms.); Coast of Sri Lanka, 48 m (26 ½ fms.); South of Sri Lanka, 6° 01' N 81° 16' E, 62 m (34 fms.); Myanmar : 1 mile E of Terribles, 24 m (13 fms.).
1940. *Salmacis dussumieri* : Mortensen, T. *Bull. U.S. natn. Mus.*, **100**(Vol. 14, part 1) : 45.
1941. *Salmacis dussumieri* : Gravely, F.H. *Bull. Madras Govt. Mus. New Series (Nat. Hist. Section)*, **V**(1) : 88, 106. Tamil Nadu : Chennai.
1969. *Salmaciella dussumieri* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 57. Tamil Nadu : Gulf of Mannar (Tuticorin).
1971. *Salmaciella dussumieri* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 140-141 (distribution) and 155 (key).
1985. *Salmaciella dussumieri* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Salmaciella dussumieri* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*, **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park

Material : Tamil Nadu : Pondicherry (Kurusukuppam, C.A.N. Rao, 5.12.1975, one spec).

38. *Salmacis bicolor* L. Agassiz

1841. *Salmacis bicolor* Agassiz, L. *Mon. Ech. Anat. Echinus*, viii.
1888. *Salmacis bicolor* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1894. *Salmacis sulcata* : Anderson, A.R.S. *Jour. Asiat. Soc. Beng*, **62** (part II, No. 3) : 193. Coromandel Coast, 9-13 m (5-7 fms.).
1895. *Salmacis bicolor* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3**(II) : 105. Tamil Nadu : Gulf of Mannar (Tuticorin).
1904. *Salmacis bicolor* : Herdman, W.A. and Herdman, J.B. In : W.A. Herdman (ed.), *Report to the Government of Ceylon on the Peral Oyster Fisheries of the Gulf of Manaar*, Part II. Supplementary Report X : 140. Tamil Nadu : Gulf of Mannar (Palk Bay).
1904. *Salmacis rarispina* : de Meijere, J.C.H. *Siboga Exped. Monog.*, **43** : 83.
1904. *Salmacis bicolor* : Mortensen, T. *The Danish Expedition to Siam. Echinoidea*, p. 65.
1904. *Salmacis bicolor* var. *rarispina* : Mortensen, T. *The Danish Expedition to Siam. Echinoidea*, p. 65. [non: *Salmacis rarispina*: de Loriol, 1893. Échinodermes de la baie d'Amboine. *Revue Suisse de Zoologie*, **1**. = *S. sphaeroides*].
1910. *Salmacis bicolor* : Brown, R.N.R. *Trans. Linn. Soc. Lond.*, **XIII** : 24. Myanmar : Mergui Archipelago.
1925. *Salmacis bicolor* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 84. Andhra Pradesh : Visakhapatnam; Tamil Nadu: Chennai, Gulf of Mannar (Tuticorin). Philippines: Macclesfield Bank; Singapore; East Indies; Sri Lanka; Pakistan; Mauritius; Madagascar; Zanzibar.

1927. *Salmacis bicolor* : Kochler, R. *Echinoderma of the Indian Museum*, Part X : 78. Orissa : Orissa Coast. 37m (20 fms.); Konark, 27 m (15 fms.); Gopalpore, 46-51 m (25-28 fms.); Tamil Nadu : ½ mile S of Kanniyakumari; Gulf of Mannar (Tuticorin). Sri Lanka : Colombo; Myanmar : Great West Torres, 16 m (9 fms.); Mergui Archipelago.
1927. *Salmacis rarispina* : Kochler, R. *Echinoderma of the Indian Museum*, Part X : 80. Myanmar : Arakkan.
1940. *Salmacis bicolor* : Mortensen, T. *Bull. U.S. natn. Mus.*, **100**(Vol. 14, part 1) : 43.
1941. *Salmacis bicolor* : Gravely, F.H. *Bull. Madras Govt. Mus. New Series (Nat. Hist. Section)*, **V**(1) : 88, 106. Tamil Nadu : Chennai.
1943. *Salmacis bicolor* : Mortensen, T. *A Monograph of Echinoidea.*, **III**(2) : 112. p. 116. *Salmacis bicolor typica*, p. 117. *Salmacis bicolor rarispina*.
1953. ?*Salmacis* sp. Patil, A.M. *J. Bombay nat. Hist. Soc.*, **51** : 429-434. Karnataka : Karwar coast.
1969. *Salmacis bicolor* var. *typica* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 57. Orissa : Off Puri, 10° 05' N 85° 50' E; Tamil Nadu : Gulf of Mannar (Mandapam); Nicobars : Nancowry.
1969. *Salmacis bicolor* var. *rarispina* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 57. Gujarat : Gulf of Kachchh (Jamnagar).
1971. Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 140-141 (distribution) and 156 (key).
1985. *Salmacis bicolor* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*, Paper No., **54** (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Salmacis bicolor* : James, D.B. *J. mar. biol. Ass.*, **25**(1-2) : 102 (1983). Tamil Nadu : Chennai.
1988. *Salmacis bicolor* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*, **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
2004. *Salmacis bicolor* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat*, Part 2 : 198. Gujarat : Gulf of Kachchh (Okha).
2005. *Salmacis bicolor* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 86. Nicobar Islands.

Material : Kerala : Kovalam Beach, Dr. A. Daniel, 11.9.1960, one spec.; Tamil Nadu : Gulf of Mannar (Tuticorin, Pearl Bank, 12 miles from shore, 16-18m (9-10 fms., Dr. H.S. Rao, Feb-Mar 1926, one spec.; Pulli Island, five miles from Krusadai Island, Dr. H.C. Ray, 7.5.1955, one spec.; Andhra Pradesh : Visakhapatnam (Rocky shore, Waltair, A.S. Rajagopal, 5.3.1966, seven specs); Yarada (near Visakhapatnam), five specs.

39. *Salmacis virgulata* (L. Agassiz)

1846. *Salmacis virgulata* Agassiz, L. *In* : L. Agassiz and E. Desor, *Ann. Sci. nat.*, (3)**6** : 359.
1888. *Salmacis sulcata* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1895. *Salmacis sulcata* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3**(II) : 115. Tamil Nadu : Gulf of Mannar (Tuticorin).
1904. *Salmacis virgulata* : de Meijere, J.C.H. *Siboga Exped. Monog.*, **43** : 83.

1910. *Salmacis sulcata* : Brown, R.N.R. *Trans. Linn. Soc. Lond.*, **XIII** : 25. Myanmar : Mergui Archipelago.
1925. *Salmacis virgulata* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 87. Tamil Nadu : Gulf of Mannar (Tuticorin); Sri Lanka: Singapore; Torres Strait; Australia.
1927. *Salmacis virgulata* : Kochler, R. *Echinoderma of the Indian Museum*, Part X : 81. Tamil Nadu : 2-3 miles from Thiruchendur Pagoda, 9-11 m (5-6 fms.); Gulf of Mannar (Palk Strait). Sri Lanka : Southern coast of Sri Lanka, 59 m (32 fms.).
1940. *Salmacis virgulata* : Mortensen, T. *Bull. U.S. natn. Mus.*, **100** (Vol. 14, part 1) : 44.
1941. *Salmacis virgulata* : Gravely, F.H. *Bull. Madras Govt. Mus. New Series (Nat. Hist. Section)*, **V**(1) : 88, 106. Tamil Nadu : Chennai.
1943. *Salmacis virgulata* : Mortensen, T. *A Monograph of Echinoidea.*, **III**(2) : 126.
1969. *Salmacis virgulata* : James, D.B. *Bull. cent. Mar. Fish. Res. Inst. No.*, **7** : 57. Tamil Nadu : Gulf of Mannar (Mandapam).
1971. *Salmacis virgulata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 140-141 (distribution) and 156 (key).
1985. *Salmacis virgulata* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Salmacis virgulata* : James, D.B. *J. mar. biol. Ass.*, **25**(1-2) : 102 (1983). Tamil Nadu : Chennai.
1988. *Salmacis virgulata* : James, D.B. *In : M.F. Thompspon et al. Marine Biodeterioration*, p. 237. Tamil Nadu : Ennore backwaters.
1988. *Salmacis virgulata* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1989. *Salmacis virgulata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **43** : 117. Lakshadweep : Kavaratti.
1991. *Salmacis virgulata* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 396. Lakshadweep : Kavaratti.

Material : Tamil Nadu : Pondicherry (Kurusukuppam, C.A.N. Rao, 5.12.1975, one spec); Gulf of Mannar (Mandapam, Dr. V.K. Premkumar and P.K. Chakraborti, 22.2.1962, 1 spec.); 2-3 miles north of Tranquebar, Dr. A.G.K. Menon, 1.2.1957, 10 specs.

40. *Temnopleurus apodus* A. Agassiz and H.L. Clark

1943. *Temnopleurus (Toreumatica) apodus* A. Agassiz and H.L. Clark : Mortensen, T. *A Monograph of Echinoidea.*, **III**(2) : 75.
1983. *Temnopleurus apodus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. South Andamans : Port Blair, 204 m.
2005. *Temnopleurus apodus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 86. Andaman Islands.

41. *Temnopleurus proctalis* (Koehler)

1927. *Prynnechinus proctalis* Koehler, R. *Echinoderma of the Indian Museum*, Part X : 110. South Andamans: Port Blair, 205 m (112 fms.).
2005. *Temnopleurus proctalis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 87. [*Prynnechinus* is a synonym of *Temnopleurus*]. Andaman Islands.

42. *Temnopleurus toreumaticus* (Leske)

1778. *Cidaris toreumaticus* Klein In : Leske, N.G. *Additamenta ad Kleinii naturalem dispositionem Echinodermatum*, p. 155.
1888. *Temnopleurus toreumaticus* : Bell, F.J. *Proc. zool. Soc. Lond.*, 1888 : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1890. *Temnopleurus reynaudi* : Thurston, E. *Bull. Madras Govt. Mus.* p. Tamil Nadu : Gulf of Mannar (in D.B. James, 1987f: 101).
1894. *Temnopleurus toreumaticus* : Anderson, A.R.S. *Jour. Asiat. Soc. Beng.*, 62 (part II, No. 3) : 193. Andhra Pradesh : Off Coromandel Coast; Tamil Nadu : Gulf of Mannar (entrance to Palk Strait), 9-37 m (5-20 fms.).
1895. *Temnopleurus toreumaticus* : Thurston, E. *Madras Govt. Mus. Bull. No.*, 3(II) : 115. Tamil Nadu : Gulf of Mannar (Pamban).
1904. *Temnopleurus toreumaticus* : Mortensen, T. *The Danish Expedition to Siam. Echinoidea*, p. 58.
1925. *Temnopleurus toreumaticus* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 82. Gujarat : Gulf of Kachchh; Tamil Nadu : Gulf of Mannar (Tuticorin). Pakistan; Myanmar; Sri Lanka; Malacca; Penang; Singapore; China; Korea; Japan; Philippines; Australia; Arafura Sea.
1927. *Temnopleurus toreumaticus* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 76. Orissa : Investigator St. 27. Konark, 20 m (11 fms.); Orissa Coast, 20 m (11 fms.); Orissa Coast, 11-18 m (6-10 fms.); Kundapa, 14 m (7 ½ fms.); 3 ½ miles ESE of Puri, 18m (10 fms.); Andhra Pradesh : Investigator St. 47. Mouth of Godavary River (Sacramento Mouth), 11 m (6 fms.); Investigator St. 88. 4 miles SE by E of Maurawalipur Beacon, Visakhapatnam Coast, 13-15 m (7-8 fms.); Investigator St. 99. 7 miles NE of Bimlipatnam, Visakhapatnam Coast, 42 m (23 fms.); Tamil Nadu : SW of Kanniyakumari, 16 m (9 fms.); Andamans: Andaman Islands: Andaman Island, 37 m (20 fms.).
1941. *Temnopleurus toreumaticus* : Gravely, F.H. *Bull. Madras Govt. Mus. New Series (Nat. Hist. Section)*, V(1) : 88, 106. Tamil Nadu : Chennai.
1943. *Temnopleurus toreumaticus* : Mortensen, T. *A Monograph of Echinoidea.*, III(2) : 76.
1953. *Temnopleurus* sp. Patil, A.M. *J. Bombay nat. Hist. Soc.*, 51 : 429-434. Karnataka : Karwar coast.
1957. *Temnopleura* : Guidecon, P.W., Menon, P.K.B., Rao, S.R.V. and Jose, K.V. *J. Bombay nat. Hist. Soc.*, 54(3) : 704. Gujarat : Gulf of Kachchh.
1962. *Temnopleurus toreumaticus* : Sane, S.R. and Chhapgar, B.F. *J. Bombay nat. Hist. Soc.*, 59(2) : 673. Maharashtra Bombay.
1968. *Temnopleurus toreumaticus* : Radhakrishna, Y. and Ganapati, P.N. *Bull. natn. Inst. India*, 38 : 689-699. Andhra Pradesh Kakinada Bay (Tonna Zone).

1969. *Temnopleurus toreumaticus* : James, D.B. *Bull. cent. Mar. Fish. Res. Inst. No.*, **7** : 57. Gujarat : Gulf of Kachchh; Tamil Nadu : Gulf of Mannar (Mandapam); Orissa : Off Puri, 19° 05' N 84° 50' E; South Andamans : Andamans : Port Blair.
1971. *Temnopleurus toreumaticus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 142-143 (distribution) and 154 (key).
1983. *Temnopleurus toreumaticus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. Andaman Island, intertidal.
1985. *Temnopleurus toreumaticus* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Temnopleurus toreumaticus* : James, D.B. *J. mar. biol. Ass.*, **25**(1983) : 102. Tamil Nadu : Chennai.
1988. *Temnopleurus toreumaticus* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1995. *Temnopleurus toreumaticus* : Sastry, D.R.K. *Estuarine Ecosystem Series, Part 2 : Hugli Matla Estuary*, p. 336. West Bengal : Mouth of Hugli River (Sandheads).
1998. *Temnopleurus toreumaticus* : Sastry, D.R.K. *State Fauna Series 3 : Fauna of West Bengal, Part 10* 481. West Bengal : Mouth of Hugli River (Sandheads); Digha.
2004. *Temnopleurus toreumaticus* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat, Part 2* : 198. Gujarat : Gulf of Kachchh (Beyt Island); Union Territory of Daman & Diu (Daman).
2005. *Temnopleurus toreumaticus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 87. Andaman Islands.

Material : Maharashtra : Bombay Sea, March 1910, 1 spec.; Goa : Zuar River, Marmagao Harbour, Dr. A.K. Das, 22.2.1975, seven specs; Kerala : Kovalam, 11.9.1960, one spec.; Tamil Nadu : Tranquebar, A.G.K. Menon, 29 Jan, 1-2 Feb 1957, 15 specs; Kundugal Point, Pamban, Dr. A. Daniel, 2.10.1960, one spec.; Porto Novo, Dr. A. Daniel, 10.5.1960, three specs; Porto Novo, Dr. A. Daniel, 12.5.1960, two specs; Andhra Pradesh : Visakhapatnam (Rocks at Jalaripet, A. S. Rajagopal, 6.3.1966, one spec); Orissa : Paradeep, Dr. V.K. Premkumar, 31.1.1972, 142 specs; Puri (Balikhand), S. Biswas, 25.2.1975, 14 specs; Chandipur (Off Casuarina Forest Rest House, K.N. Reddi, 11.8.1976, one spec; Balaramgudi, Mouth of Budabalanga River, 3 KM from Chandipur, K.N. Reddi, 12.8.1976, two specs; Chandipur, 27.4.1939, two specs; Chandipur, S.L. Hora and Menon, June 1949, one spec.; Chandipur, Dr. V.K. Premkumar, 21-23 Jan 1972, 17 specs); False Point, V. Ball, three specs; Gahirmatha coast, Cuttack District, S. Biswas and C.S. Kar, 26-28 Feb 1983, one spec.

Remarks : Radhakrishna and Ganapati (1968) reported tests of the species during monsoon, from *Tonna* zone of Kakinada Bay, East Godavary District.

43. *Temnotrema scillae* (Mazetti)

1894. *Temnechinus scillae* Mazetti, A.G. *Mem. R. Acad. Sci. Modena*, (2)X : 213.

1925. *Temnotrema scillae*: Clark, H. L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 91. Suez; Muscat; East Africa; Holothuria Bank; New Britain.
1927. *Temnotrema scillae* : Kochler, R. *Echinoderma of the Indian Museum*, Part X : 92. South Andamans : Port Blair, 27 m (15 fms.); Andaman Is. 448-82 m (245-45 fms.); Andaman Islands.
1983. *Temnotrema scillae* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. South Andamans : Port Blair, 27-448 m.
2005. *Temnotrema scillae* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 87. Andaman Islands.

44. *Trigonocidaris versicolor* Koehler

1927. *Trigonocidaris versicolor* Koehler, R. *Echinoderma of the Indian Museum*, Part X : 94. Andamans Investigator St. 237. Off North Andamans, 13° 17' N 93° 07' E. 165 m (90 fms.); Andaman Sea, 182 m (100 fms.).
1983. *Trigonocidaris versicolor* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. Andaman Sea, 164-183 m.
2005. *Trigonocidaris versicolor* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 87. Andaman Islands.

Family TOXOPNEUSTIDAE

45. *Gymnechinus robillardi* (de Loriol)

1883. *Echinus robillardi* de Loriol, P. *Mém. Soc. Phys. Hist. nat. Genève*, **28**(3) : 23.
1912. *Gymnechinus megaloplax* Clark, H.L. *Mem. Mus. comp. Zool.*, **34** : 287.
1925. *Gymnechinus robillardi* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 129. Tamil Nadu : Gulf of Mannar. Mauritius; Sri Lanka.
1927. *Gymnechinus megaloplax* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 112. Andaman Islands. Clark's type from Persian Gulf.
1927. *Gymnechinus pallidus* Koehler, R. *Echinoderma of the Indian Museum*, Part X : 113. Tamil Nadu : Madras Coast, 37 m (20 fms.).
1971. *Gymnechinus robillardi* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 142-143 (distribution) and 156 (key).
2005. *Gymnechinus robillardi* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 87. Andaman Islands.

Material : Tamil Nadu : Pondicherry (Kurusukuppam. C.A.N. Rao, 5.12.1975. one spec); Gulf of Mannar (Tuticorin, Pearl Bank, 9-10 fms.: Dr. H.S. Rao, Feb-Mar 1926. one spec.)

46. *Pseudoboletia maculata* Troschel

1869. *Pseudoboletia maculata* Troschel, F.H. *Verh. Nat. ver. Rhent. Westph.* p. 96.

1895. *Pseudoboletia maculata* : Thurston, E. *Madras Govt. Mus. Bull. No.*, 3(II) : 115. Tamil Nadu : Gulf of Mannar (Tuticorin).
1925. *Pseudoboletia maculata* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 131. The validity of *Pseudoboletia maculata* is doubtful; probably it is a variety of *P. indiana* [*Toxopneustes indianus* Michelin, H. 1862. *Ech. et Stel. Annex. A.* in Maillard's *Notes sur Bourbon*, p. 5]. The two specimens from Madras are unquestionably *P. maculata* in the presence of spots, but otherwise are *P. indiana*. The characters of the buccal plates are worthless, for there is considerable diversity in their size and position, and no correlation with colour. On the other hand, the dull pink, short, rather stout spines of *P. indiana* seem to be quite distinct from the more slender spines of *P. maculata*; both forms occur at Zamboanga. The specimens from Macclesfield Bank are very fine examples, although the dark blotches are small and not conspicuous; one is 75 mm in d. and the other is 65. Tamil Nadu: Chennai. Philippines: Macclesfield Bank.
1927. *Pseudoboletia indiana* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 118. [non : *Toxopneustes indianus* Michelin, H. 1862. *Ech. et Stel. Annex. A* in Maillard's *Notes sur Bourbon*, p. 5]. Sri Lanka : 6° 01' N 81° 16' E. 62 m (34 fms.). Some spines are uniformly reddish brown, others almost white or rose. The denuded test shows dull rose surface and irregular reddish spots. As per Mortensen's (1943) key in his *Monograph of Echinoidea* this is *P. maculata*.
1969. *Pseudoboletia maculata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 57. Lakshadweep : Minicoy.
1971. *Pseudoboletia maculata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 142-143 (distribution) and 156 (key).
1991. *Pseudoboletia maculata* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 387. Lakshadweep : Minicoy.

47. *Toxopneustes pileolus* (Lamarck)

1816. *Echinus pileolus* Lamarck, J.B.P.A. de, *Hist. nat. anim. s. vert.*, 3 : 45.
1887. *Toxopneustes pileolus* : Bell, F.J. *Proc. zool. Soc. Lond.*, 1887 : 140. Andamans.
1895. *Toxopneustes pileolus* : Thurston, E. *Madras Govt. Mus. Bull. No.*, 3(II) : 115. Tamil Nadu : Gulf of Mannar (Tuticorin).
1925. *Toxopneustes pileolus* : H.L. Clark. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 123. Andamans. Muscat; Aden; East Africa; Mozambique; Mauritius; Seychelles; Philippines; Japan.
1927. *Toxopneustes pileolus* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 108.
1943. *Toxopneustes pileolus* : Mortensen, T. *A Monograph of Echinoidea.*, III(2) : 472 (key to species).
1971. *Toxopneustes pileolus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 142-143(distribution) and 156 (key).
1983. *Toxopneustes pileolus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 91. Andaman Island.
1985. *Toxopneustes pileolus* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985. Paper No.*, 54 (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.

1988. *Toxopneustes pileolus* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1989. *Toxopneustes pileolus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **43** : 116. Lakshadweep : Kadmat.
1991. *Toxopneustes pileolus* . Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 396. Lakshadweep : Kadamat.
1999. *Toxopneustes pileolus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(1) : 92. Nicobars : Great Nicobar Island.
2005. *Toxopneustes pileolus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 88. Andaman and Nicobar Islands.

Material : Tamil Nadu : Gulf of Mannar (Tuticorin. Pearl Bank, 12 miles from shore, 16-18 m (9-10 fms.), Dr. H.S. Rao, Feb-Mar 1926, one spec.)

48. *Tripneustes gratilla* (Linnaeus)

1758. *Echinus gratilla* Linnacus, C. *Systema Naturae*, Ed. **10** : 664.
1902. *Tripneustes angulosa* : Bell, F.J. In : J.S. Gardiner (ed.), *The Fauna and Geography of the Maldiva and Laccadive Archipelagoes* **1** : 231. Lakshadweep : Minicoy.
1925. *Tripneustes gratilla* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 124. Red sea; Aden; Sucz; Zanzibar; Mozambique; Mauritius; Seychelles; Borneo; Celebes; Philippines; New Guinea; Australia.
1927. *Tripneustes gratilla* : Kochler, R. *Echinoderma of the Indian Museum*, Part **X** : 108. North Andamans : Table Island, 27-64 m (15-35 fms.): Sri Lanka.
1969. *Tripneustes gratilla* : James, D.B. *Bull. cent. Mar. Fish. Res. Inst. No.*, **7** : 57. Tamil Nadu : Gulf of Mannar (Krusadai Island); Nicobars : Nancowry.
1971. *Tripneustes gratilla* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 142-143 (distribution) and 156 (key).
1983. *Tripneustes gratilla* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. South Andamans : Port Blair, intertidal.
1985. *Tripneustes gratilla* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*, Paper No., **54** (Mimco) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Tripneustes gratilla* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1991. *Tripneustes gratilla* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 387. Lakshadweep : Agatti, Androth, Bangaram, Kavaratti.
2005. *Tripneustes gratilla* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 88. Andaman and Nicobar Islands.

Material : Andhra Pradesh : Visakhapatnam (Waltair), 1.1.1941, one spec.

Order ECHINOIDA
Family ECHINOMETRIDAE

49. *Colobocentrotus atratus* (Linnaeus)

1758. *Echinus atratus* Linnaeus, C. *Systema Naturae*, Ed. 10 : 655.
1887. *Colobocentrotus atratus* : Bell, F.J. *Proc. zool. Soc. Lond.*, 1887 : 140. Andamans.
1925. *Podophora atrata* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, 145. Andamans. Indo-Pacific Ocean; Zanzibar; Sri Lanka; Christmas Islands; Sunda Strait.
1943. *Colobocentrotus (Podophora) atratus* : Mortensen, T. *A Monograph of Echinoidea*, III(3) : 428 (key to the species).
1971. *Colobocentrotus atratus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 142-143 (distribution) and 158 (key).
1983. *Colobocentrotus atratus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 91. Andaman Island.
1999. *Colobocentrotus atratus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, 15(1) : 92. Nicobars : Great Nicobar Island.
2005. *Colobocentrotus atratus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 89. Andaman and Nicobar Islands.

50. *Echinometra mathaei* (de Blainville)

1825. *Echinus mathaei* de Blainville, H.M. *Dictionnaire des Sciences Naturelles*, 37 : 94.
1887. *Echinometra lucunter* : Bell, F.J. *Proc. zool. Soc. Lond.*, 1887 : 140. [non : *Echinometra lucunter* (Linnaeus)]. Andamans.
1888. *Echinometra lucunter* : Bell, F.J. *Proc. zool. Soc. Lond.*, 1888 : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1895. *Echinometra lucunter* : Thurston, E. *Madras Govt. Mus. Bull. No.*, 3(II) : 115. Tamil Nadu : Gulf of Mannar (Tuticorin).
1925. *Echinometra mathaei* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 143. Tamil Nadu: Gulf of Mannar (Tuticorin); Andamans. Egypt; Suez; Red Sea; Persian Gulf; East Africa; Mozambique; Madagascar; Mauritius; Amirantes; Maldives; Sri Lanka; Cocos-Keeling; Borneo; Philippines; Japan; Bonin Islands; Australia; New Guinea; Solomon Islands; Caroline Islands; New Hebrides.
1927. *Echinometra mathaei* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 121. Andaman Islands; South Andamans : Port Blair; Nicobars : Nicobar Islands,
1940. *Echinometra mathaei* : Mortensen, T. *Bull. U.S. natn. Mus.*, 100 (Vol. 14, part 1) : 51.
1943. *Echinometra mathaei* : Mortensen, T. *A Monograph of Echinoidea.*, III(3) : 393, notes on varieties *oblonga* and *violacea*.
1969. *Echinometra mathaei* : James, D.B. *Bull. cent. Mar. Fish. Res. Inst. No.*, 7 : 58. Lakshadweep : Minicoy; Tamil Nadu : Gulf of Mannar (Shingle Island); South Andamans : Port Blair; Nicobars : Nancowry.

1969. *Echinometra mathaei* var. *oblonga* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 58. South Andamans : Port Blair; Nicobars : Nancowry.
1971. *Echinometra mathaei* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 142-143 (distribution) and 157 (key).
1977. *Echinometra mathaei* var. *violacea* : Sastry, D.R.K. *Newsl. zool. Surv. India*, **3**(3) : 117. Andaman Islands. Known earlier from and presumed to be restricted to Western Indian Ocean (Natal, Madagascar and Mauritius).
1983. *Echinometra mathaei* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 91. South Andamans : Port Blair, intertidal.
1985. *Echinometra mathaei* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Echinometra mathaei* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Echinometra mathaei* : James, D.B. *In* : M.F. Thomspson *et al. Marine Biodeterioration*, p. 228. Tamil Nadu : Gulf of Mannar; South Andamans : Port Blair.
1991. *Echinometra mathaei* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 388. Lakshadweep : Agatti, Kadamat, Kavaratti, Minicoy.
1998. *Echinometra methaei* (sic!) : Sastry, D.R.K. *Symp. Proc. "Island Ecosystem and Sustainable Development"* p. 136. South Andamans : Labyrinth Islands (MGMNP-Alexandra Island, Jolly Buoy Island).
1999. *Echinometra mathaei* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(1) : 92. Nicobars : Great Nicobar Island.
2001. *Echinometra mathaei* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 165. South Andamans : Ritchie's Archipelago (Inglis and Havelock Islands, RJMNP-Outram and Henry Lawrence Islands).
2004. *Echinometra mathaei* : Sastry, D.R.K. *Rec. zool. Surv. India*, **103**(1-2) : 63. Nicobars : Great Nicobar Island.
2005. *Echinometra mathaei* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 89. Three forms with spines of olive green, violet and black with reddish tips are known. Andaman and Nicobar Islands

Material : Andhra Pradesh : Visakhapatnam (Palm Beach, Boulders, a few specimens); Tamil Nadu : Gulf of Mannar (Krusadai Island, Dr. A.G.K. Menon, Mar 1950, 1 spec.).

Remarks : Studies based on enzyme electrophoresis, of Matsumoto and Hatamaka (1991) revealed the possibility of four sibling species existeng, corresponding to the four types of spine colouration encountered by Uehara and Shingali, Type-A with white-tipped or entirely white spines, Type- B with eitirely brown spines, Type-C with dark-brown or green spines and Type-D with uniform black spines, respectively. These four types do not appear to share gene pools with each other in spite of sympatric distribution and reproductively isolated because of different alleles at seven genetic loci in a lot of 28 genetic loci. The present author has encountered at Visakhapatnam coast specimens with olive green, olive green with white tips and entirely white spines, all of which turned dark olive green on preservation.

51. *Echinometra oblonga* (de Blainville)

1969. *Echinometra mathaei* var. *oblonga* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 58. South Andamans : Port Blair; Nicobars : Nancowry.
1943. *Echinometra mathaei oblonga* Mortensen, T. *A Monograph of Echinoidea.*, III(3) : 393. Spines of the sides are short, aboral spines upward (as in *Echinostrephus*) and often thickened; with thickened spines, tubercles are enlarged- otherwise the naked test not distinguishable from typical *E. mathaei*.
1977. *Echinometra mathaei oblonga* : Sastry, D.R.K. *Newsl. zool. Surv. India*, 3(3) : 117. Nicobar Islands, boring into clay (slate/shale) mounds.
1988. *Echinometra mathaei* var. *oblonga* : James, D.B. In : M.F. Thompspon *et al. Marine Biodeterioration*, p. 228. South Andaman s: Port Blair.
2005. *Echinometra oblonga* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 91. *Echinometra oblonga* (de Blainville), considered by some as a variety of *Echinometra mathaei* (de Blainville), does not occur on Indian coast, in the opinion of the author. Some specimens occurring in Andaman and Nicobar Islands have black spines, but these are of normal thickness and have a reddish tip. Dr. D.B. James in a recent personal communication states “*E. oblonga* is a distinct species and not a variety. It differs from *E. mathaei*. The color is black; the super structure on the perignathic girdle is high for the muscles on the masticatory apparatus to enable it to burrow into rocks. Black *E. oblonga* occurs at Port Blair near Atlanta Point. It bores through rock and cannot be removed except by breaking the stone. It has greater boring capacity when compared to *E. mathaei*” Andaman and Nicobar Islands.

52. *Echinostrephus molaris* (de Blainville)

1825. *Echinus molare* de Blainville, H.M. *Dictionaire des Sciences Naturelles*, 37 : 88.
1925. *Echinostrephus molare* : H.L. Clark, *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 130. Lakshadweep : Minicoy. Zanzibar; Mauritius; Solomon Islands.
1927. *Echinostrephus molaris* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 119. Maharashtra : Angrias Bank. Off Maharashtra Coast, 16° 30' N 72° E, 27 m (15 fms.) [*Investigator St.* 58]; Andaman Islands; South Andamans : Macpherson Strait; Port Blair.
1943. *Echinostrephus molaris* : Mortensen, T. *A Monograph of Echinoidea.*, III(3) : 304 (key to the species).
1969. *Echinostrephus molare* : James, D.B. *Bull. cent. Mar. Fish. Res. Inst. No.*, 7 : 57. South Andamans : Port Blair.
1971. *Echinostrephus molaris* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 142-143 (distribution) and 157 (key).
1983. *Echinostrephus molaris* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 91. South Andamans : Port Blair, intertidal.
1991. *Echinostrephus molaris* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 388. Lakshadweep : Minicoy.
1997. *Echinostrephus molaris* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, 13(1-2) : 52. South Andamans MGMNP (Pongibalu).

2004. *Echinostrephus molaris* : Sastry, D.R.K. *Rec. zool. Surv. India*, **103**(1-2) : 63. Nicobars : Great Nicobar Island.
2005. *Echinostrephus molaris* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 91. Andaman and Nicobar Islands.

53. *Heterocentrotus mammillatus* (Linnaeus)

1758. *Echinus mammillatus* Linnaeus, C. *Systema Naturae*, Ed. **10** : 667.
1925. *Heterocentrotus mammillatus* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 147. Red Sea; East Africa; Mauritius; Philippines; Bonin Islands; New Guinea; Loyalty Islands; Fiji.
1940. *Heterocentrotus mamillatus* : Mortensen, T. *Bull. U.S. natn. Mus.*, **100** (Vol. 14, part 1 : 52.
1943. *Heterocentrotus mamillatus* : Mortensen, T. *A Monograph of Echinoidea.*, **III**(3) : 407 (key to the species).
1969. *Heterocentrotus mamillatus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 58. Lakshadweep : Agatti.
1971. *Heterocentrotus mammillatus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 142-143 (distribution) and 158 (key).
1991. *Heterocentrotus mammillatus* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 389. Lakshadweep : Kavaratti.

54. *Heterocentrotus trigonarius* (Lamarck)

1816. *Echinus trigonarius* Lamarck, J.B.P.A. de, *Hist. nat. anim. s. vert.*, **3** : 51.
1925. *Heterocentrotus trigonarius* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 147. Mauritius; Funafuti; Samoa.
1971. *Heterocentrotus trigonarius* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 142-143 (distribution) and 158 (key).
1997. *Heterocentrotus trigonarius* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **13**(1-2) : 54. Nicobars : Nancowry Island.
2005. *Heterocentrotus trigonarius* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 92. Nicobar Islands.

Order HOLECTYPOIDA Family ECHINONEIDAE

55. *Echinoneus cyclostomus* Leske

1778. *Echinoneus cyclostomus* Leske, N.G. *Additamenta ad Kleinii naturalem dispositionem Echinodermatum*, p. 109.
1887. *Echinoneus cyclostomus* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140. Andamans.
1894. *Echinoneus cyclostomus* : Anderson, A.R.S. *Jour. Asiat. Soc. Beng.*, **62** (part II, No. 3) : 194. Lakshadweep (on the reefs of Ancutta).

1902. *Echinoneus cyclostomus* : Bell, F.J. In : J.S. Gardiner (ed.), *The Fauna and Geography of the Maldives and Laccadive Archipelagoes*, 1 : 232. Lakshadweep : Minicoy.
1922. *Echinoneus cyclostomus* : Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 147. Lakshadweep : On the reefs of Ancutta.
1925. *Echinoneus cyclostomus* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 177. Lakshadweep : Minicoy; Andamans. West Indies; Jamaica; Barbuda; Ascension islands; East Africa; Mauritius; Sri Lanka; Australia; South Seas; Loyalty Islands; Funafuti.
1948. *Echinoneus cyclostomus* : Mörtensen, T. *A Monograph of Echinoidea*, IV(1) : 75.
1971. *Echinoneus cyclostomus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 144-145 (distribution) and 158 (key).
1991. *Echinoneus cyclostomus* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 389. Lakshadweep : Kavaratti, Minicoy.
1999. *Echinoneus cyclostomus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, 15(1) : 92. Nicobars : Great Nicobar Island.
2001. *Echinoneus cyclostomus* : Sastry, D.R.K. *Rec. zool. Surv. India*, 99(1-4) : 165. South Andamans : Ritchie's Archipelago (Havelock Island).
2005. *Echinoneus cyclostomus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 92. Andaman and Nicobar Islands.

Order CLYPEASTEROIDA
Family CLYPEASTERIDAE

56. *Clypeaster annandalei* Koehler

1922. *Clypeaster annandalei* Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 16. Andhra Pradesh: Investigator St. 130. Off Godavary Delta, 514-472 m (281-258 fms.).
1922. *Clypeaster destinatus* Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 33. Keraa : Investigator St. 146. Off Calicut, 11° 05' 45'' N 75° 04' 08'' E, 66 m (36 fms.); Investigator St. 246. Off Calicut, 11° 14' 30'' N 74° 57' 15'' E, 124-271 m (68-148 fms.).
1948. *Clypeaster (Leptoclypus) annandalei* : Mortensen, T. *Bull. U.S. natn. Mus.*, 100 (Vol. 14, part 3) : 98.
1948. *Clypeaster (Leptoclypus) annandalei* : Mortensen, T. *A Monograph of Echinoidea*, IV(2) : 56.

57. *Clypeaster fervens* Koehler

1922. *Clypeaster fervens* Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 45. Sri Lanka : 6° 02' N 81° 29' E, 124-95 m (68-52 fms.).
1948. *Clypeaster (Rhaphidoclypus) fervens* : Mortensen, T. *Bull. U.S. natn. Mus.*, 100 (Vol. 14, part 3) : 98.
1948. *Clypeaster (Rhaphidoclypus) fervens* : Mortensen, T. *A Monograph of Echinoidea*, IV(2) : 84. Tamil Nadu : Cuddalore. Bay of Bengal, "Lady Gosschen" VII. 1930, sent me by Dr. Sundara Raj (A young specimen), Type : South of Sri Lanka; *John Murray Exped.* : SE coast of Arabia, Pemba Strait;

Seychelles (coll. by Stanley Gardiner, 1900); Leiden Museum : Moluccas; Albatross : Buton Strait; 13-110 m.

1971. *Clypeaster fervens* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 144-145 (distribution) and 161 (key).

58. *Clypeaster humilis* (Leske)

1778. *Echinanthus humilis* Leske, N.G. *Additamenta ad Kleinii naturalem dispositionem Echinodermatum*, p. 121. pl. XIX fig A.B.
1888. *Clypeaster humilis* : Bell, F.J. *Proc. zool. Soc. Lond.*, 1888 : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1894. ?*Clypeaster humilis* : Anderson, A.R.S. *Jour. Asiat. Soc. Beng*, 62 (part II, No. 3) : Andhra Pradesh : Numerous specimens from Off Coromandel; Kerala (Malabar Coast) and Sri Lanka Coasts, 18-73 m (10-40 fms.). The material probably belongs to *Clypeaster reticulatus* or *Clypeaster rarispinus*, there being no material of *C. humilis* available to Koehler (*vide infra*).
1895. *Clypeaster humilis* : Thurston, E. *Madras Govt. Mus. Bull. No.*, 3(II) : 115. Tamil Nadu : Gulf of Mannar (Tuticorin).
1888. *Clypeaster humilis* : Bell, F.J. *Proc. zool. Soc. Lond.*, 1888 : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1922. *Clypeaster humilis* : Koehler, R. *Echinoderma of the Indian Museum*, part IX : 51. No specimen of *Investigator* collection from Indian coast was available to Koehler, hence a specimen from Red Sea was described. This makes one doubt the identity of specimens reported by Anderson, 1894 (*vide supra*).
1925. *Clypeaster humilis* : H.L. Clark, *A catalogue of the recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 149. Tamil Nadu : Chennai, Gulf of Mannar (Tuticorin). Red Sea, Muscat, Persian Gulf, Philippines, Australia, Amboina.
1948. *Clypeaster (Stolonoclypus) humilis* : Mortensen, T. *A Monograph of Echinoidea*, IV(2) : 88. The largest recorded is 163x148 mm (H.L. Clark, 1925).
1969. *Clypeaster humilis* : James, *Bull. cent. Mar. Fish. Res. Inst. No.*, 7 : 58. Kerala : Kochi; Tamil Nadu : Gulf of Mannar (Tuticorin).
1971. *Clypeaster humilis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 144-145 (distribution) and 161 (key).
1985. *Clypeaster humilis* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., 54 (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Clypeaster humilis* : James, D.B. *J. mar. biol. Ass.*, 25(1-2) : 102 (1983). Tamil Nadu : Chennai.
1988. *Clypeaster humilis* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. 1 : 404. Tamil Nadu : Gulf of Mannar Marine National Park.

Material : Tamil Nadu : Gulf of Mannar (Tuticorin, Pearl Bank, 12 miles from shore, 16-18m (9-10 fms.), Dr. H.S. Rao, Feb-Mar, 1926, 2 specs; Tholayiram Paar, Dr. H.C. Ray, 21.4.1955, 1 spec.).

59. *Clypeaster rarispinus* de Meijere

1903. *Clypeaster rarispinus* de Meijere, J.C.H. *Tjdschr. ned. dierk. Veeren.*, (2)8 : 7.
1904. *Clypeaster rarispinus* : de Meijere, J.C.H. *Siboga Exped. Monog.*, 43 : 134.
1922. *Clypeaster rarispinus* : Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 55. Karnataka : 25 miles WSW of Honawar, 51 m (28 fms.); West of Mangalore, 29-57 m (16-31 fms.); Kerala : *Investigator* St. 146. Lakshadweep Sea, SW of Kozhikode, 11° 05' 45'' N 75° 04' 08'' E, 66 m (36 fms.); *Investigator* St. 467. Thiruvananthapuram Coast, 9° 55' N 75° 41' E, 77-137 m (42-75 fms.); Andhra Pradesh : *Investigator* St. 94. 2 ½ miles ESE of Santapalli Light House, Visakhapatnam Coast, 27-31 m (15-17 fms.); *Investigator* St. 138. Off Nellore, 14° 25' N 80° 15' 45'' E, 2-2m (12 fms.); St. 140. Off Nellore, 14° 29' 55'' N 80° 19' 45'' E, 57 m (31 fms.); Orissa : *Investigator* St. 85. Ganjam Coast, 33m (18 fms.); Ganjam Coast, 51 m (28 fms.); Ganjam Coast, 64 m (35 fms.); Ganjam Coast, 55-57 m (30-31 fms.); *Investigator* St. 90. Ganjam Coast, 51-55 m (28-30 fms.); *Investigator* St. 95. Ganjam Coast, 27-48 m (15-26 fms.); 8 miles south of Puri, 24 m (13 fms.); Gopalgore; West Bengal : Mouth of Hugli River.
1925. *Laganum mirabile* Clark, H.L. *A catalogue of the recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 158. Tamil Nadu : Chennai.
1941. *Clypeaster rarispinus* : Gravely, F.H. Bull. Madras Govt. Mus. New Series (Nat. Hist. Section), V(1) : 90. 106. Tamil Nadu : Chennai.
1948. *Clypeaster (Leptoclypus) rarispinus* : Mortensen, T. *A Monograph of Echinoidea*, IV(2) : 58. Synonyms : *Cl. audouini* H.L. Clark, 1914. *Hawaiian Ech.* p. 29, 30; 1923. *Echin. Fauna S. Afr.* p. 392; 1925. *Catalogue* p. 148; *Laganum mirabile* H.L. Clark, 1925. *Catalogue*, p. 158. The largest size recorded is that of the type of Fourtau's *Cl. audouini* viz. 108 mm length. Widely distributed in the Indian Ocean from the Red Sea to the Natal coast, further from the Iranian Gulf and along the Indian coasts up to Bengal; also known from the Laccadive Islands. In the Malay region, Java Sea to Mol Strait, Philippine Sea. Shallow water forms, 7-91 m.
1962. *Clypeaster* sp. Ganapati, P.N. and Lakshmana Rao, M.V. *Proc. First All India Congress of Zoology*, 1959, Jabalpur, I(3) : 9 and 13. Most probably *C. rarispinus* since the specimens were dredged at many stations and were predominant at St. 154, off Kakinada, and *C. rarispinus* is the only species occurring in large numbers along the coast. Andhra Pradesh : Visakhapatnam (Waltair), Kakinada; Orissa : Mouth of River Mahanadi; West Bengal: Mouth of River Ganges (Hughli). 83-829 m (10-100 fms.).
1971. *Clypeaster rarispinus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 144-145 (distribution) and 160 (key).
1991. *Clypeaster rarispinus* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 389. Lakshadweep Sea : *Investigator* St. 146. Off Kerala, 11° 05' 45'' N 75° 04' 08'' E, 66m (36 fms.).
1995. *Clypeaster rarispinus* : Sastry, D.R.K. *Estuarine Ecosystem Series*, Part 2 : *Hugli Matla Estuary*, p. 336. Subtidal silty areas, often caught in large numbers by the trawl nets. West Bengal : Matla.
1998. *Clypeaster rarispinus* : Sastry, D.R.K. *State Fauna Series 3 : Fauna of West Bengal*, Part 10 : 481. West Bengal : Matla.
2004. *Clypeaster rarispinus* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat*, Part 2 : 199. Gujarat : Off Porbandar.

Material : Kerala : Kochi (Off Vypeen Island, K.V. Rama Rao and K.V. Surya Rao, 19.1.1965, 161 specs); Takkoti, near Kozhikode, T.D. Soota, 15.1.1976, 17 specs; Tamil Nadu : Chennai (Madras, Royapuram Beach), PGRT Survey, 11.9.1965, 44 specs; Andhra Pradesh : *Investigator* St. 95. 5 miles SE of Pundi Beacon, 27-46m (15-25 fms.), Mar. Surv. 3.3.1890, three specs; Off Uppada, Dr. A. Daniel, 20.7.1963, one spec.; West Bengal : Mouth of River Hughli (Between Pilot Ridge Light Vessel and Eastern Channel Light Vessel, 10 miles North & South of Eastern Channel Light Vessel), P. V. Fraser, 23.11.1931, three specs; Matla, Capt. J.H. Row, one spec.

60. *Clypeaster reticulatus* (Linnaeus)

1758. *Echinus reticulatus* Linnaeus, C. *Systema Naturae*, Ed. 10 : 666.
1922. *Rhaphidoclypus reticulatus* : Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 68. Karnataka : WSW of Honawar, 55-91 m (30-50 fms.); Lakshadweep; Andaman Islands, 494-82 m (270-45 fms.).
1925. *Clypeaster reticulatus* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 151. Red Sea, East Africa, Mauritius, Seychelles, Mascarenes, Macclesfield Bank, Holothuria Bank.
1948. *Clypeaster (Rhaphidoclypus) reticulatus* : Mortensen, T. *Bull. U.S. natn. Mus.*, 100 (Vol. 14, part 3) : 97.
1948. *Clypeaster (Rhaphidoclypus) reticulatus* : Mortensen, T.A. *Monograph of Echinoidea*, IV(2) : 71. Synonyms : ? *Clypeaster scutelliformis* Lamarck, 1816; L. Agassiz & Desor, 1847; *Clypeaster scutiformis*: Herdman, 1904 : 141. The largest size recorded is 75 x 52 x 14 mm (H.L. Clark, 1925). A number of specimens, which I collected in 1922 in the Java Sea and the Sunda Strait, are characteristic by the edge being only slightly or even not at all thickened. I am distinguishing these specimens as a subspecies or variety. *Clypeaster reticulatus sundaicus* Mortensen, 1948. *New Echinoidea*, p. 3. Widely distributed over tropical region of the Indo-west Pacific. Not known from Japan, Australia and Madagascar. Littoral to 125 m. *Cl. scutiformis* of Lamarck is not *Cl. reticulatus*, it would rather be a *Laganum*, probably *L. depressum*.
1971. *Clypeaster reticulatus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 144-145 (distribution) and 160 (key).
1983. *Clypeaster reticulatus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 92. Andaman Island, 18-494 m.
1989. *Clypeaster reticulatus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 43 : 119. Lakshadweep : Chetlat.
1991. *Clypeaster reticulatus* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 396. Lakshadweep : Chetlat.
2005. *Clypeaster reticulatus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 92. Andaman Islands.

Family ARACHNOIDIDAE

61 *Arachnoides placenta* Linnaeus

1758. *Echinus placenta* Linnaeus, C. *Systema Naturae*, Ed 10 : 666.

1922. *Arachnoides placenta* : Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 71. Andamans : North Andaman Island.
1925. *Arachnoides placenta* : H.L. Clark, *A catalogue of the recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 154. Andamans. Philippines, Torres Strait, Australia.
1948. *Arachnoides placenta* Mortensen, T. *A Monograph of Echinoidea*, IV(2) : 145. Whole of Malay region, from Queensland and NW Australia to Philipnes and China coast and in the Indian Oean as far as the Andamans but not further west. In the South Sea it occurs at least as far as Samoa.
1969. *Arachnoides placenta* : James, D.B. *Bull. cent. Mar. Fish. Res. Inst. No.*, 7 : 59. Middle Andamans : Rangat Bay.
1971. *Arachnoides placenta* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 144-145 (distribution) and 161 (key).
1983. *Arachnoides placenta* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 92. South Andamans : Port Blair, intertidal.
2005. *Arachnoides placenta* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 93. Andaman Islands.

Family FIBULARIIDAE

62. *Echinocyamus crispus* Mazetti

1893. *Echinocyamus crispus* Mazetti, A.G. *Arti Soc. nat. Modena*, (2)12 : 239.
1894. *Echinocyamus crispus* Mazetti, A.G. *Mem. R. Acad. di Scienze, Lettere et Arti Modena*, 1894 : 215 (in Koehler, 1922).
1922. *Echinocyamus crispus* Mazetti : Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 137. Karnataka : Mangalore, 48-57 m (26-31 fms.); Pedro Shoal; Andamans : West Coast of Andaman Island, 27 m (15 fms.). Sri Lanka.
1925. *Echinocyamus crispus* : Clark, H.L. *A catalogue of the recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 165. *Echinocyamus elongatus* Clark, H.L. 1914. *Mem. Mus. comp. Zool.*, 46 : 61. = *Echinocyamus crispus*. Macclesfield Bank.
1948. *Echinocyamus crispus* : Mortensen, T. *A Monograph of Echinoidea*, IV(2) : 185.
1971. *Echinocyamus crispus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 144-145 (distribution) and 161 (key).
1983. *Echinocyamus crispus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 92. Andaman Island, 27-111 m.
2005. *Echinocyamus crispus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 93. Andaman and Nicobar Islands.

63. *Echinocyamus sollers* Koehler

1922. *Echinocyamus sollers* Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 132. Kerala : Off Thiruvananthapuram, 8° 10' N 76° 26' E, 814-706 m (445-386 fms.). Sri Lanka : Investigator St. 151. 13 ½ miles S. 64, E. of Colombo light House (Station list 13 ½ miles N 64° W of Colombo Lt.), 260-732 m (142-400 fms); Investigator St. 250. 6° 54' 30'' N 79° 34' 30'' E, 878 m (480 fms).

1948. *Echinocyamus sollers* : Mortensen, T. *A Monograph of Echinoidea*, IV(2) : 194. According to Mortensen 'it is the nearest related to *E. elegans* (not mentioned by Koehler). It is easily distinguished from that species by its perfectly flat oral side; in *E. elegans* the test is sunken in the oral region' Only record- *Investigator*: off Ceylon and Malabar coast, 260-880 m.

64. *Fibularia cribellum* de Meijere

1904. *Fibularia cribellum* de Meijere, J.C.H. *Siboga Exped. Monog.*, 43 : 112
1922. *Fibularia cribellum* : Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 139. Tamil Nadu : Gulf of Mannar (Palk Strait).
1948. *Fibularia cribellum* : Mortensen, T. *Bull. U.S. natn. Mus.*, 100 (Vol. 14, part 3) : 109.
1948. *Fibularia cribellum* : Mortensen, T. *A Monograph of Echinoidea*, IV(2) : 212. All over Malay region : Sulu Sea to Timor Sea and Kei Is. Koehler from Palk Strait. 15-400 m.
1971. *Fibularia cribellum* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 144-145 (distribution) and 161 (key).

64a. *Fibularia oblonga* Gray

1851. *Fibularia oblonga* Gray, J.E. *Proc. zool. Soc. Lond.*, 1851 : 34-38.
1948. *Fibularia (Fibulariella) oblonga* : Mortensen, T. *A Monograph of Echinoidea*, IV(2) : 222. South-West-and North Australia.
1971. *Fibularia oblonga* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 144-145 (distribution) and 161 (key). Gulf of Mannar (?Tamil Nadu/?Sri Lanka).

65. *Fibularia volva* L. Agassiz

1847. *Fibularia volva* L. Agassiz in L. Agassiz and E. Desor, *Ann. Sci. nat. Zoologie*, (3)7 : 142.
1889. *Fibularia volva* : Bell, F.J. *Proc. zool. Soc. Lond.*, 1889 : 7. Tamil Nadu : Gulf of Mannar (Rameswaram).
1894. *Fibularia volva* : Anderson, A.R.S. *Jour. Asiat. Soc. Beng.*, 62 (part 2, no. 3) : 194. Andhra Pradesh : Coromandel Coast, 42 m (23 fms.).
1895. *Fibularia volva* : Thurston, E. *Madras Govt. Mus. Bull. No.*, 3 : 84, 115. Tamil Nadu : Gulf of Mannar (Pamban).
1922. *Fibularia volva* : Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 139 Tamil Nadu : Madras Coast, 46 m (25 fms.).
1925. *Fibularia volva* : H.L. Clark, *A catalogue of the recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 164. Tamil Nadu : Gulf of Mannar (Rameswaram). Korea, Australia.
1941. *Fibularia volva* : Gravely, F.H. *Bull. Madras Govt. Mus. New Series (Nat. Hist. Section)*, V(1) : 89, 106. Tamil Nadu : Chennai.
1948. *Fibularia volva* : Mortensen, T. *A Monograph of Echinoidea*, IV(2) : 213. Red Sea- definite; ?Torres Strait, Banda, Amboina.

1971. *Fibularia volva* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 144-145 (distribution) and 161 (key).

Family LAGANIDAE

66. *Laganum decagonale* (de Blainville)

1827. *Scutella decagonalis* de Blainville, H.M. *Dict. Sci. Nat.*, **48** : 229.
1888. *Laganum decagonale* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1895. *Laganum decagonale* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3(II)** : 115. Tamil Nadu : Gulf of Mannar (Pamban).
1922. *Laganum decagonale* : Koehler, R. *Echinoderma of the Indian Museum*, part **IX** : 85. Orissa : Orissa Coast, 46 m (25 fms.); Ganjam Coast, 55 m (30 fms.); Andhra Pradesh : Visakhapatnam Coast, 42 m (23 fms.); Andamans : NE of North Andaman, 15° 20' N 94° 55' E, 37 m (20 fms.).
1925. *Laganum decagonale* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 156. China, Java, Macclesfield Bank, Admiralty Islands, Arafura Sea, Torres Strait, Holothuria Bank.
1948. *Laganum decagonale* : Mortensen, T. *Bull. U.S. natn. Mus.*, **100** (Vol. 14, part 3 : 103).
1948. *Laganum decagonale* : Mortensen, T. *A Monograph of Echinoidea*, **IV(2)** : 331. [non : *Laganum decagonale* Russo, 1935 = *Clypeaster rarispinus*). Very common in the Malay region, as far north as Macao on the China coast. (Japan- doubtful), and as far west as Bay of Bengal. Gulf of Suez is an error (= *Clypeaster rarspnus*). Natal coast by Clark, 1923 is uncertain because of poor condition of the material. To the east up to the Queensland coast. Clark (1925 : 156) from Admiralty Islands.
1971. *Laganum decagonale* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 144-145 (distribution) and 162 (key).
1995. *Laganum decagonale* : Sastry, D.R.K. *Estuarine Ecosystem Series*, Part 2 : *Hugli Matla Estuary*, p. 337. Subtidal sand and silt beds. West Bengal : Mouth of Hugli River (Sandheads).
1998. *Laganum decagonale* : Sastry, D.R.K. *State Fauna Series 3 : Fauna of West Bengal*, Part **10** : 482. West Bengal : Mouth of Hugli River (Sandheads).
2005. *Laganum decagonale* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 94. Andaman Islands.

Material : Orissa : Ganjam Coast, 55-57 m (30-31 fms.), 1 spec.; Andhra Pradesh : Visakhapatnam Coast, 42 m (23 fms.), 2 specs; Tamil Nadu : Chennai (Royapuram Beach, Madras), PGRT Survey, 39 specs.

67. *Laganum depressum* Lesson

1841. *Laganum depressum* : L. Agassiz, *Monographie di Echinodermes II. Monographie des scutelles*, p. 110.
1895. *Laganum depressum* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3(II)** : 84, 115. Tamil Nadu : Gulf of Mannar (Pamban).
1922. *Laganum depressum* : Koehler, R. *Echinoderma of the Indian Museum*, part **IX** : 92. South Andamans : Port Blair.

1925. *Laganum depressum* : H.L. Clark, *A catalogue of the recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 157. Tamil Nadu : Gulf of Mannar (Rameswaram). Red Sea, East Africa, Mauritius, Maldives, Singapore, Macclesfield Bank, Philippines, Amboina, Australia, New Caledonia.
1948. *Laganum depressum* : Mortensen, T. *A Monograph of Echinoidea*, IV(2) : 313. *L. dyscritum* H.L. Clark, 1932. Gt. Barrier Reef, IV(7) : 216; 1946. Gt. Barrier Reef, IV : 344 = *Laganum depressum*. The species reaches a fairly large size up to 80 mm in test length. Indo-West Pacific in the tropical-subtropical region from East Africa to the Queensland coast. (Mortensen, 1921 from New Zealand-uncertain) from ebb-zone to 85 m. var. *delicatum* Mazetti, Red Sea; var. *tenue* Mortensen, Mergui Islands, 110 m ("Investigator" Station 534); var. *alienum* Mortensen, Kei Is, 32 m. some specimens from Maldives collected by Prof. Stanley Gardiner, and some small specimens from Madagascar; var. *tonganense* Quoy and Gaimard South Sea from Tonga, Gilbert and Fiji Is, New Caledonia, Admiralty Is, Queensland and New Zealand. Littoral to 40 m. p. 325.
1969. *Laganum depressum* : James, *Bull. cent. mar. Fish. Res. No.*, 7 : 59. Tamil Nadu : Gulf of Mannar (Tuticorin); Middle Andamans : Rangat Bay.
1953. *Laganum decagonale* : Kurian, C.V. *Proc. natn. Inst. India*, 19(6) : 756. [non : 1827. *Scutella decagonalis* de Blainville, *Dict. Sci. Nat.*, 48 : 229]. Kerala : off Thiruvananthapuram; Tamil Nadu : Off Kanniyakumari.
1971. *Laganum depressum* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 144-145 (distribution) and 162 (key).
1985. *Laganum depressum* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., 54 (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Laganum depressum* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. 1 : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
2005. *Laganum depressum* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 94. Andaman Islands.

Material : Lakshadweep : Kavaratti (exposed SW reef edge of lagoon, B.P. Haldar, 5.1.1980, three specs); Tamil Nadu : Gulf of Mannar (Mandapam, Dr. A. Daniel, 30.9.1960, two specs). Other localities- Myanmar : *Investigator* St. 549. Mergui Archipelago, 12° 48' N 98° 16' 10" E, 44 m (24 fms.), one spec.

68. *Laganum laganum* (Leske)

1778. *Echinodiscus laganum* Leske, N.G. *Additamenta ad Kleinii naturalem dispositionem Echinoderinatum*, p. 140.
1922. *Laganum bonani* : Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 83. Andaman Islands.
1925. *Laganum laganum* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 158. Indo-Pacific area, Eastern Seas, Philippines, Australia.
1948. *Laganum laganum* : Mortensen, T. *Bull. U.S. natn. Mus.*, 100 (Vol. 14, part 3) : 103.
1948. *Laganum laganum* : Mortensen, T. *A Monograph of Echinoidea*, IV(2) : 308. The largest size hitherto recorded being 65 mm length (Clark, 1938. *Mem. Mus. comp. Zool.*, 55 : 417). Common in the Malay region, from the Philippines and Java to the Kei and Aru Is. Further it is recorded from Port Jackson

and Tasmania, New Guinea, the Bismark Archipelago. According to Clark (1925) it is also known from the Caroline Is and according to Koehler (1922) from the Tonga Is. It seems that the species does not occur in the Indian Ocean; it is true Koehler records a specimen from the Andamans, but since it was in a very bad condition, partly decalcified, the identification is hardly reliable; if the species did at all occur in the Indian Ocean, it would be rather too strange that it should not have been recorded from there. The same applies to Tortonesi's record of a specimen from Assab, Red Sea (1936). If correctly identified, probably the locality is erroneous; in any case, new incontestable finds are needed before we can accept as an established fact its occurrence in the Red Sea. It is rather a pity that the almost universally used name *Laganum bonani* Klein has to be dropped; but I must agree with Clark that since according to the rules of nomenclature, the pre-Linnean names cannot be used, even if they happen to be binomial.

1971. *Laganum laganum* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 144-145 (distribution) and 161 (key).
1977. *Laganum laganum* : Sastry, D.R.K. *Newsl. zool. Surv. India*, 3(3) : 118. South Andamans : Port Blair, Ritchie's Archipelago (Havelock); Nicobars : Katchal.
1983. *Laganum laganum* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 92. Andaman Island.
1985. *Laganum laganum* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., 54 (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Laganum laganum* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. 1 : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1998. *Laganum laganum* : Sastry, D.R.K. *Symp. Proc. "Island Ecosystem and Sustainable Development"*, p. 136. Andamans : Labyrinth Islands (MGMNP-Alexandra Island).
2005. *Laganum laganum* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 94. Andaman and Nicobar Islands.
2005. *Laganum laganum* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 94. Andaman and Nicobar Islands.

69. *Laganum retinens* Koehler

1922. *Laganum retinens* Koehler, R. *Echinoderma of the Indian Museum, Part IX* : 99. *Investigator St.* 238. Off North Andaman, 13° 16' N 93° 08' E, 110-137 m (60-75 fms.).
1948. *Laganum retinense* : Mortensen, T. *Murray Exped.*, II : 8.
1948. *Laganum retinens* (part) : Mortensen, T. *A Monograph of Echinoidea*, IV(2) : 337. This is a well marked species. The naked periproct may indicate relation to *L. fudsiyama*, but the much larger petaloid area shows that it cannot be a very near relation. The type was collected by the *Investigator* in the Bay of Bengal in the vicinity of Andamans, at a depth of 110-135 m. The specimen of *Murray Expedition* was collected near Cape Gardafui at 110-220 m. A third specimen of uncertain origin is probably either Mauritius or from off Durban. Tropical Indian Ocean. No information was given by Koehler about the important character of the periproct, whether naked or covered with spines. The specimen of *Murray Expedition* collected near Cape Gardafui at 110-220 m is described as a new subspecies herein.
2005. *Laganum retinens* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 95. Andaman Islands.

Material : Other localities : Myanmar : *Investigator St.* 328. Gulf of Martaban, 14° 46' N 95° 52' E, 112 m (61 fms.), Mar. Surv., 7.3.1904, 1 spec.

69a. *Laganum retinense mortenseni* new subspecies*

1948. *Laganum retinense* (part) : Mortensen, T. *Murray Exped.*, II : 8. [non : Koehler, 1922 : 99]. Only the specimen of *Murray Expedition* collected near Cape Gardafui at 110-220 m.

1948. *Laganum retinense* (part) : Mortensen, T. *A Monograph of Echinoidea*, IV(2) : 337.

Material : One specimen (Holotype); John Murray Station 24. near Cape Guardafui, 11 54' N 51 13' E, 73-220 m; British Museum (Natural History).

Description : The specimen is 29 mm long and 27.5 mm broad and 6 mm high; elliptical in shape; margin not thickened, aboral surface rises directly from the margin towards the apical system with no depression separating the margin from the apical system; petaloid area about 70% of length, petals lyreform, widely open; outer pores of pore pairs larger; ridges between successive pore pairs with a single regular series of tubercles; oral ambulacral furrows not very conspicuous; periproct nearer to posterior margin, about 30% of the posterior interambulacrum from the edge; periproct naked.

Remarks : Mortensen (1948 : 8) identified the above specimen and another from an unknown locality (Mauritius or Durban) as *Laganum retinense* Koehler. An examination of Koehler's syntypes revealed a circle of spines along the peripheral plates the periproct. Further observations revealed some more differences necessitating assignment of these specimens to a new subspecies. The new subspecies, *Laganum retinense mortenseni* resembles the nominal subspecies, *Laganum retinense s. s.* in the size and shape of petals, tuberculation and position of the periproct. These two subspecies can be differentiated as follows :

Character	<i>Laganum retinense s. s.</i>	<i>Laganum retinense mortenseni</i>
1 Shape	rounded pentagonal	elliptical
2. Margin	thickened	not thickened
3. Aboral surface	with a depression between the margin and the central apical system	aboral surface rises directly from the margin towards the apical system without an depression inbetween
4. Periproct	spines on the peripheral plates forming a circle	periproctal plates naked

70. *Laganum versatile* Koehler

1922. *Laganum versatile* Koehler, R. *Echinoderma of the Indian Museum*, part IX : 106. Investigator St. 220. Off North Andaman, 13° 16' 30'' N 93° 08'' E, 144 m (79 fms.).

* Named in memory of Dr. T. Mortensen for his immortal contributions to our knowledge of echinoderms, particularly the Echinoidea. Thanks are due to Ms A.M. Clark for arranging loan of the material and suggesting that the differences and geographical separation qualify for a subspecies, not just a variety.

1948. *Laganum versatile* : Mortensen, T. *A Monograph of Echinoidea*, IV(2) : 326. The species has much resemblance to *L. fudsiyama* from which it is however easily distinguished by having spines on the periproct; *fudsiyama* having the periproct quite naked. It is more related to *L. depressum*, particularly var. *alienum*, which differs from *versatile* mainly by its elongate shape and in being less high. The different form of the petals is less reliable, since they may sometimes be almost straight also in the variety *alienum*. Known only from the Andaman Islands from a depth of c. 145 m.
2005. *Laganum versatile* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 95. Andaman Islands.

71. *Peronella lessueuri* (Valenciennes)

1841. *Laganum lessueuri* Valenciennes in Agassiz, L. *Monographie d'Echinodermes II Monographie des Scutelles*, p. 116.
1922. *Peronella lessueuri* : Koehler, R. *Echinoderma of the Indian Museum*, part IX : 110. Sri Lanka, 49 m (26 ½ fms.); Maldives. The specimen from Investigator St. 146. Kerala : Lakshadweep Sea, off Kozhikode, 11° 05' 45'' N 75° 04' 08'' E, 69 m (38 fms.) is *Peronella macroproctes* Koehler, *vide infra*.
1925. *Peronella lessueuri* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 159. Japan, China, Hong Kong, Sri Lanka(?), Australia.
1948. *Peronella lessueuri* : Mortensen, T. *Bull. U.S. natn. Mus.*, **100** (Vol. 14, part 3) : 100.
1948. *Peronella lessueuri* : Mortensen, T. *A Monograph of Echinoidea*, IV(2) : 263. Typical *Peronella lessueuri* appears to have its home in the Australian Seas. But specimens of typical form are known to occur also as north as Hong Kong. Otherwise the specimens from the Malay region and particularly from the coast of Indo-China are more generally of the forma *elegans*; this also holds good of the specimens from the Bay of Bengal. It is recorded from as far west in the Indian Ocean as the Maldives. To the East it is known farther than Australian seas. The var. *rostrata* (L. Agassiz) reported from New Zealand and Zanzibar has never since been recorded. Variety *gadiana* Mortensen is known only from Singapore and Malacca. Littoral to 70 m.
1971. *Peronella lessueuri* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 144-145 (distribution) and 162 (key).
2005. *Peronella lessueuri* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 95. Andaman and Nicobar Islands.

72. *Peronella macroproctes* Koehler

1922. *Peronella macroproctes* Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 113. Sri Lanka : 6° 01' N 81° 16' E, 62 m (34 fms).
1922. *Peronella lessueuri* : Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 110. Only the specimen from Investigator Station 146. Kerala: Lakshadweep Sea, off Kozhikode, 11° 05' 45'' N 75° 04' 08'' E, 69 m (38 fms.). [non : *Laganum lessueuri* Valenciennes 1841 : 116].
1948. *Peronella macroproctes* : Mortensen, T. *Bull. U.S. natn. Mus.*, **100** (Vol. 14, part 3) : 102.
1971. *Peronella macroproctes* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 144-145 (distribution) and 162 (key).

1977. *Peronella macroproctes* : Sastry, D.R.K. *Newsl. zool. Surv. India*, 3(3) : 118. India : Andaman Islands. Elsewhere : Myanmar (Ford Bay, Great Coco Island).

2005. *Peronella macroproctes* : Sastry, D.R. K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 95. Andaman Islands.

Material : Kerala : *Investigator* St. 146. 11° 05' 45'' N 75° 04' 08'' E, 66 m (36 fms.), one spec.; Andamans : Andaman Islands, J. Wood-Mason, one spec. Other locality : Myanmar (Ford Bay, Great Coco Island, Mar. Surv., 1 spec.).

Remarks : The specimen from *Investigator* Station 146 was identified by Koehler (1922) as *Peronella lesueri*.

73. *Peronella oblonga* Mortensen

1948. *Peronella oblonga* Mortensen, T. *Vidensk. Meddel. dansk. naturh. Foren.*, 111 : 71.

1948. *Peronella oblonga* : Mortensen, T. *A Monograph of Echinoidea*, IV(2) : 299. Tamil Nadu : Gulf of Mannar (Tuticorin).

1971. *Peronella oblonga* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 144-145 (distribution) and 162 (key).

2004. *Peronella oblonga* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat*, Part 2 : 199. Gujarat : Gulf of Kachchh (Beyt Island, Sikka, Jamnagar, Pirotan Island).

Material : Tamil Nadu : Gulf of Mannar (Hare Island, 8 miles SE of Mandapam, M.A.S. Menon, 16.3.1955, two specimens; Vadali, 2 KM from Mandapam, Dr. A.Daniel, 30.9.1960, one specimen and V.K. Premkumar and P.K. Chakraborti, 16.2.1962, one specimen).

74. *Peronella orbicularis* (Leske)

1778. *Echinodiscus orbicularis* Leske, N.G. *Additamenta ad Kleinii naturalem dispositionem Echinodermatum*, p. 144.

1904. *Laganum orbicularis* : de Meijere, J.C.H. *Siboga Exped. Monog.*, 43 : 126.

1925. *Peronella orbicularis* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 160. Elsewhere : Myanmar, Macclesfield Bank, Philippines, Amboina, Arafura Sea, Australia.

1948. *Peronella orbicularis* : Mortensen, T. *Bull. U.S. natn. Mus.*, 100 (Vol. 14, part 3) : 102.

1948. *Peronella orbicularis* : Mortensen, T. *A Monograph of Echinoidea*, IV(2) : 286. With var. *concava* Mortensen. The center of distribution is the Malay region and the Australian waters. To the North it occurs at the Philippines and Formosa and to the West it is recorded from the Gulf of Martaban and the Iranian Gulf. 5-70 m.

1969. *Peronella orbicularis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 59. Tamil Nadu : Gulf of Mannar (Mandapam).

1971. *Peronella orbicularis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 144-145 (distribution), 162 (key).

1985. *Peronella orbicularis* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.

1988. *Peronella orbicularis* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.

75. *Peronella rubra* Döderlein

1885. *Peronella (Laganum) rubra* Döderlein, L. *Arch. Naturgesch.*, **51**(1) : 106.

1922. *Peronella merguiensis* Koehler, R. *Echinoderma of the Indian Museum*, Part **IX** : 118. Myanmar : Mergui Archipelago (Gregory Island).

1948. *Peronella rubra* : Mortensen, T. *A Monograph of Echinoidea*, **IV**(2) : 274. Hitherto known only from Japan, from the Inland Sea along the East coast to Mutsu Bay at the North end of Houshu. The finding of the two specimens in the Java Sea proves that it must be widely distributed in the East Asiatic Seas. 5-60 m.

1948. *Peronella merguiensis* : Mortensen, T. *A Monograph of Echinoidea*, **IV**(2) : 276.

1971. *Peronella rubra* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 144-145 (distribution) and 162 (key).

1977. *Peronella rubra* : Sastry, D.R.K. *Newsl. zool. Surv. India*, **3**(3) : 118. *P. merguiensis* Koehler is very close to *P. rubra* and probably conspecific with it. South Andamans : Port Blair.

2005. *Peronella rubra* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 95. Andaman Islands.

Remarks : The specimen from Port Blair (South Andamans) is whitish yellow with a pinkish tint and the test bears uniformly fine tubercles, the primaries not being distinct from the rest. The type specimens of Koehler's (1922) *Peronella merguiensis* from Mergui Archipelago were 'gris violace' and gris jaunâtre' which in course of time turned greyish and the primary tubercles on the test are distinct from the rest. This does not seem to be of much taxonomic importance. No other character of difference could be found between *merguiensis* and *rubra*. Hence *P. merguiensis* Koehler is now considered to be conspecific with *P. rubra* Döderlein. Mortensen (1948) while commenting on *P. merguiensis* correctly stated, 'I do not grasp from Koehler's description any other noteworthy difference from *rubra* than its colour, which is stated by Koehler to be grayish violet in the larger specimens, gray yellowish in the smaller specimens, while in *P. rubra* the colour is red or pink in the larger specimens, whitish in the smaller ones. I am indeed very much inclined to think this *P. merguiensis* identical with *P. rubra*; a couple of specimens which I collected in the Java Sea in 1922 may equally well be referred to either of them and it is only because of their pink colour that I refer them to *P. rubra*' Having not seen Koehler's types, he preferred to keep *merguiensis* as a separate species. Koehler did not notice the resemblances between *merguiensis* and *rubra* because no adequate description of the latter was existing at that time.

76. *Peronella rutlandi* (Koehler)

1922. *Laganum(?) rutlandi* Koehler, R. *Echinoderma of the Indian Museum*, Part **IX** : p. 103. South Andamans : Rutland Island, 64 m (35 fms.).

1942. *Peronella rullandi* : Mortensen, T. *A Monograph of Echinoidea*, IV(2) : 300. Koehler gives as only information : "Rulland, 35 fms" I do not find any locality of this name either in the map or in the list of stations of the "Investigator"; but the species must evidently come from some locality in the Indian Ocean.
1981. *Peronella rutlandi* : Sastry, D.R.K. *Bull. zool. Surv. India*, 4(2) : 239. The type locality based on which the species was designated is Rutland of the South Andaman Islands, not Rulland as published with the original description. Since *rullandi* is a *lapsus calami*, the species name is emended as *rutlandi*.
2005. *Peronella rutlandi* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 96. Andaman Islands

Family ASTRICLYPEIDAE
77. *Echinodiscus auritus* Leske

1778. *Echinodiscus auritus* Leske, N.G. *Additamenta ad Kleinii naturalem dispositionem Echinodermatum*, p. 138.
1889. *Echinodiscus auritus* : Bell, F.J. *Proc. zool. Soc. Lond.*, 1889 : 7. Tamil Nadu : Gulf of Mannar (Rameswaram).
1895. *Echinodiscus auritus* : Thurston, E. *Madras Govt. Mus. Bull. No.*, 3(II) : 115. Tamil Nadu : Gulf of Mannar (Pamban).
1904. *Echinodiscus auritus* : de Meijere, J.C.H. *Siboga Exped. Monog.*, 43 : 138.
1922. *Echinodiscus auritus* : Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 123. West Bengal : Mouth of Hugli River; Orissa : Orissa Coast, 11-18 m (6-10 fms.); 10 miles NE of Devi River, 15 m (8 fms.); Ganjam Coast, 44-55 m (24-30 fms.); Andhra Pradesh : Santapalli; Tamil Nadu : Mahabalipuram, 9-18 m (5-10 fms.); Gulf of Mannar (Palk Strait); South of Kanniyakumari, 22-27 m (12-15 fms.); Andamans : Andaman Islands, 37 m (20 fms.).
1925. *Echinodiscus auritus* : H.L. Clark, *A catalogue of the recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 169. India; Tamil Nadu: Chennai. Red Sea, Persian Gulf, Pakistan, East Africa, Mauritius.
1941. *Echinodiscus auritus* : Gravely, F.H. *Bull. Madras Govt. Mus. New Series (Nat. Hist. Section)*, V(1) : 90, 106. Tamil Nadu : Chennai.
1948. *Echinodiscus auritus* : Mortensen, T. *A Monograph of Echinoidea*, IV(2) : 400. Distributed over Indian Ocean and the Malay region from Red Sea and African East coast (down to Mozambique and probably Natal), Madagascar to N & W Australia, in the Maly Archipelago to Amboina and Philippines. From ebb zone to 50 m. *Echinodiscus auritus siamensis* Mortensen, from Gulf of Siam and Indo-China. Western Australian Specimens with long toothed tridentate pedicellariae may be another variety.
1953. *Echinodiscus auritus* : Kurian, C.V. *Proc. natn. Inst. Sci. India*, 19(6) : 746-775. Kerala : Off Thiruvananthapuram; Tamil Nadu : Off Kanniyakumari
1969. *Echinodiscus auritus* : Radhakrishna, Y. and Ganapati, P.N. *Bull. natn. Inst. Sci. India*, 38 : 693. Andhra Pradesh : Kakinada Bay (Sandy Zone, extreme end of the Godavari point).
1969. *Echinodiscus auritus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 59. Andhra Pradesh : off Visakhapatnam; Tamil Nadu : Gulf of Mannar (Tuticorin, Kilakarai), Kanniyakumari.

1971. *Echinodiscus auritus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 144-145 (distribution) and 162 (key).
1983. *Echinodiscus auritus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. Andaman Island.
1985. *Echinodiscus auritus* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Echinodiscus auritus* : James, D.B. *J. mar. biol. Ass.*, **25**(1-2) : 102 (1983). Tamil Nadu : Chennai.
1988. *Echinodiscus auritus* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1995. *Echinodiscus auritus* : Sastry, D.R.K. *Estuarine Ecosystem Series, Part 2 : Hugli Matla Estuary*, p. 337. Fine sandy areas near river-mouths. West Bengal : Mouth of Hugli River (Eastern Channel).
1998. *Echinodiscus auritus* : Sastry, D.R.K. *State Fauna Series 3 : Fauna of West Bengal, Part 10* : 482. West Bengal : Mouth of Hugli River (Eastern Channel).
2005. *Echinodiscus auritus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 96. Andaman Islands.

Material : Orissa : Puri; 10 miles NE of Mouth of Devi River, 15 m (8 fms.); Andhra Pradesh : Santapally (B.F. "Golden Crown", Oct 1909, one spec); Visakhapatnam (off Lawson's Bay, 35 m, Dr. A. Daniel, 7.7.1963, one spec); Off Bheemunipatnam (Visakhapatnam District); 40 m; K.A. Sai; 31.12.1987, three specs.

78. *Echinodiscus bisperforatus* Leske

1778. *Echinodiscus bisperforatus* Leske, N.G. *Additamenta ad Kleinii naturalem dispositionem Echinodermatum*, p. 132.
1841. *Lobophora truncata* Agassiz, L. *Monog. Echin. Monog. Scutel.*, P. 66.
1894. *Echinodiscus biforis* : Anderson, A.R.S. *Jour. Asiat. Soc. Beng*, **62** (part II, No. 3) : 194. Coromandel Coast, 13 m (7 fms.).
1888. *Echinodiscus biforis* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1895. *Echinodiscus biforis* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3** : 115. Tamil Nadu : Gulf of Mannar (Tuticorin).
1922. *Echinodiscus bisperforatus* : Koehler, R. *Echinoderma of the Indian Museum, Part IX* : 128. Tamil Nadu : Madras Coast, 13 m (7 fms.).
1925. *Echinodiscus bisperforatus* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 170. Tamil Nadu : Chennai. Suez, Natal, New Caledonia, Australia.
1941. *Echinodiscus bisperforatus* : Gravely, F.H. *Bull. Madras Govt. Mus. New Series (Nat. Hist. Section)*, **V**(1) : 90, 106. Tamil Nadu : Chennai.
1941. *Echinodiscus bisperforatus* var. *truncatus* : Gravely, F.H. *Bull. Madras Govt. Mus. New Series (Nat. Hist. Section)*, **V**(1) : 91, 106. Tamil Nadu : Chennai.

1948. *Echinodiscus bisperforatus* : Mortensen, T.A. Monograph of Echinoidea, IV(2) : 406. The ophiuroids (living on oral side) carries its pygmy males across its mouth, (Mortensen, 1933. *Vid. Medd. Dansk. Naturhist. Forn.* 93: 178) under the name of *Amphilycus androphorus* (The genus *Amphilycus* may be identical with Koehler's *Ophiodaphne* (Mortensen, 1930. *Vid. Medd. Dansk. Naturhist. Forn.* 89 : 129). *Echinodiscus bisperforatus truncatus* (L. Agassiz) from Pulo Penang is dark purplish as *E. bisperforatus* from Polana Beach. Singapore specimen light yellow. As the specimens from Singapore have ophicephalus pedicellariae in fair numbers near the edge and *bisperforatus* (from Polana Beach) lacking, we may have here a real specific difference between typical *bisperforatus* and *truncatus* both *bisperforatus* and *truncatus* same distribution from Red Sea, East Africa to New Caledonea not recorded from Philippines. Littoral to not greater than 12 m.
1969. *Echinodiscus bisperforatus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 59. Tamil Nadu : Gulf of Mannar (Pamban).
1971. *Echinodiscus bisperforatus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 144-145 (distribution) and 162 (key).
1985. *Echinodiscus bisperforatus* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., 54 (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Echinodiscus bisperforatus* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. 1 : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
2005. *Echinodiscus bisperforatus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 96. Andaman Islands.

Material : Orissa : Gopalpur (Ms I.A. Evans, 1 spec.; G. Ramakrishna, 29.2.1962, one spec.; NE of Light House, Dr. V. Premkumar, 15.2.1972, 10 specs; Dr. V. Premkumar, 18.2.1972, one spec.; Y. Chaturvedi, Oct. 1972, two specs; 2 KM South of Gopalpur Light House, Dr. V. Premkumar, 30.3.1973, 6 specs); Puri (Sea Beach), S. Biswas, 22.2.1975, nine specs; Chandrabhaga, 3 KM from Konarak, Dr. V.K. Premkumar, 17.3.1973, 1 spec.; Tamil Nadu : Pondicherry (Sea Coast, Karaikkal, A.G.K. Menon, 6.2.1957, 7 specs); One mile South of Tranquebar Fort, A.G.K. Menon, 29.1.1957, one spec.; Gulf of Mannar (Mandapam, Dr. V. Premkumar and P.K. Chakraborti, 15.2.1962, two specs).

Order CASSIDULOIDA
Family ECHINOLAMPADIDAE

79. *Echinolampas alexandri* de Loriol

1876. *Echinolampas alexandri* de Loriol, P. *Mem. Soc. Phys. Hist. Nat. Geneve*, XXIV : 660.
1922. *Echinolampas alexandri* : Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 144. Orissa Coast.
1925. *Echinolampas alexandri* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 182. Mauritius, Amirantes.
1948. *Echinolampas alexandri* : Mortensen, T. *Bull. U.S. natn. Mus.*, 100 (Volume 14, Part 3) : 95.
1948. *Echinolampas (Echinolampas) alexandri alexandri* : Mortensen, T. *A Monograph of Echinoidea*. IV(1) : 282. *Echinolampas (Echinolampas) alexandri sibogae* Mortensen; *Echinolampas (Echinolampas)*

alexandri forcipulata Mortensen. Known from the Indian Ocean from Mauritius to the Gulf of Martaban (Tavoy) and from the Malay Archipelago (*Siboga* Sta. 66, near Saleyer); 8-365m.

1969. *Echinolampas alexandri* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 60. Tamil Nadu : Gulf of Mannar (Tuticorin).
1971. *Echinolampas alexandri* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 144-145 (distribution) and 163 (key).
1985. *Echinolampas alexandri* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., 54 (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Echinolampas alexandri* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. 1 : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1989. *Echinolampas alexandri* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 43 : 120. Lakshadweep : Kiltan.
1991. *Echinolampas alexandri* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 396. Lakshadweep : Kiltan.

80. *Echinolampas castanea* Alcock

1894. *Echinolampas castanea* Alcock, A. *J. Asiat. Soc. Beng.*, 62 (Part II, no. 4) : 173. Bay of Bengal, 20 m (11 fms.), most probably *Investigator* Station 138. Off Andhra Pradesh, 14° 25' N 80° 15' 45'' E, 22 m (12 fms.), the only station of the season. The present status is to be ascertained.

81. *Echinolampas ovata* (Leske)

1778. *Echinanthus ovatus* Leske, N.G. *Additamenta ad Kleinii naturalem dispositionem Echinodermatum*, p. 127.
1888. *Echinolampas oviformis* : Bell, F.J. *Proc. zool. Soc. Lond.*, 1888 : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1895. *Echinolampas oviformis* : Thurston, E. *Madras Govt. Mus. Bull. No.*, 3(II) : 115. Tamil Nadu : Gulf of Mannar (Pamban).
1922. *Echinolampas ovatus* : Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 140. Orissa Coast, 20 m (11 fms.).
1925. *Echinolampas ovata* : H.L. Clark, *A catalogue of the recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 184. Tamil Nadu : Gulf of Mannar (Tuticorin). Australia.
1948. *Echinolampas (Echinolampas) ovata* : Mortensen, T. *A Monograph of Echinoidea.*, IV(1) : 275. Confined to the tropical Indian Ocean, from Gulf of Suez, Ceylon and Mauritius to the west coast of Australia, 9-75 m. As a fossil from Lower Miocene (Java).
1969. *Echinolampas ovata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 60. Tamil Nadu : Gulf of Mannar (Mandapam).
1971. *Echinolampas ovata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 144-145 (distribution) and 163 (key).

1985. *Echinolampas ovatus* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Echinolampas ovata* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1989. *Echinolampas ovata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **43** : 120. Lakshadweep : Amini, Androth, Kiltan.
1990. *Echinolampas ovata* : Baker, A.N. and Rowe, F.W.E. *Invertebr. Taxon.*, **4** : 282. Australia, Indian Ocean, East Indies.
1991. *Echinolampas ovatus* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 396. Lakshadweep : Amini, Androth, Kiltan.

Material : Tamil Nadu : Gulf of Mannar (Tiruchendur, Dr. V.K. Premkumar, 28.2.1962, 1 spec).

Order SPATANGOIDA
Family HEMIASTERIDAE

82. *Hemiaster vanus* Koehler

1914. *Hemiaster vanus* Koehler, R. *Echinoderma of the Indian Museum*, Part **VIII** : 152. Goa : *Investigator* St. 193. Off Goa, 15° 11' N 72° 28' 45'' E, 1668-1703 m (912-931 fms.); Kerala : *Investigator* St. 274. NW of Kochi, 10° 33' N 76° 08' 22'' E, 1529 m (836 fms.); Andhra Pradesh : *Investigator* St. 97. Off Visakhapatnam, 18° 26' N 85° 24' E, 1396 m (1310 fms.).
1950. *Hemiaster vanus* : Mortensen, T. *A Monograph of Echinoidea.*, **V(1)** : 390. Bay of Bengal and off Malabar coast.

Family PALAEOSTOMATIDAE
81a. *Paleostoma mirabile* (Gray)

1851. *Leskia mirabilis* Gray, *Ann. Mag. nat. Hist.*, (2)**7** : 134.
1914. *Paleostoma mirabile* : Koehler, R. *Echinoderma of the Indian Museum*, Part **VIII** : 36. *Investigator* St. 328. Andaman Sea, 14° 46' N 95° 51' E, 112 m (61 fms.).
2005. *Paleostoma mirabile* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 96. Andaman Islands.

Remark : Though the location is in the Andaman Sea, it is south of the mouth of Irrawaddy River (Myanmar), not under Andamans of India. It was wrongly mentioned under Andaman and Nicobar Islands in Sastry (2005).

Family PERICOSMIDAE
83. *Pericosmus micronesius* Koehler

1914. *Pericosmus micronesius* Koehler, R. *Echinoderma of the Indian Museum*, Part **VIII** : 133. Andamans : *Investigator* St. 239. Off South Andaman, 11° 49' 30'' N 92° 55' E, 101 m (55 fms.).

1983. *Pericosmus micronesius* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. Andamans : Long Island, 100 m.
1951. *Pericosmus micronesius* : Mortensen, T. *A Monograph of Echinoidea.*, **V(2)** : 176.
2005. *Pericosmus micronesius* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 97. Andaman Islands.

Family SCHIZASTERIDAE
84. *Brisaster indicus* Koehler

1914. *Brisaster indicus* Koehler, R. *Echinoderma of the Indian Museum*, Part **VIII** : 201. Andaman Islands.
1983. *Brisaster indicus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. Andaman Island.
2005. *Brisaster indicus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 97. Andaman Islands.

85. *Faorina chinensis* Gray

1851. *Faorina chinensis* Gray, *Ann. Mag. nat. Hist.*, (2)**7** : 132.
1904. *Faorina chinensis* : de Meijere, J.C.H. *Siboga Exped. Monog.*, **43** : 183.
1914. *Faorina chinensis* : Koehler, R. *Echinoderma of the Indian Museum*, Part **VIII** : 129. Andamans : West Coast of Andaman, 91 m (50 fms.).
1925. *Faorina chinensis* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 203. China, Hong Kong.
1948. *Faorina chinensis* : Mortensen, T. *Bull. U.S. natn. Mus.*, **100** (Vol. 14, part 3) : 120.
1951. *Faorina chinensis* : Mortensen, T. *A Monograph of Echinoidea.*, **V(2)** : 243. Genotype and only known species. From the coast of China (Hong Kong) and Indo-China to the Sulu Sea (*Albtross* Station 5335) and the Flores Sea (*Siboga* Station 207). It is further recorded from the Indian Ocean (Gulf of Martaban and Off Andamans) taken by the *Investigator*.
1983. *Faorina chinensis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. Andaman Island, 84-183 m.
1990. *Faorina chinensis* : Baker, A.N. and Rowe, F.W.E. *Invertebr. Taxon.*, **4** : 282, 286. Australia, East Indies, Philippines, Japan.
2005. *Faorina chinensis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 97. Andaman Islands.

86. *Moiria stygia* Lütken

1872. *Moiria stygia* Lütken in Agassiz, A. *Bull. Mus. comp. Zool. Harv.*, **3** : 58.
1887. *Moiria stygia* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140, 143. Andamans.
1925. *Moiria stygia* : H.L. Clark, *A catalogue of the recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 211. Andamans. Suez, Red Sea.
1951. *Moiria (Moiria) stygia* : Mortensen, T. *A Monograph of Echinoidea.*, **V(2)** : 335. Hitherto known with certainty only from Zanzibar, the Gulf of Suez and Timor. Clark (1938) from NW and S Australia = *Moiria lethe*.

1971. *Moira stygia* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 146-147 (distribution) and 166 (key).
1983. *Moira stygia* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 92. Andaman Island.
1990. *Moira stygia* : Baker, A.N. and Rowe, F.W.E. *Invertebr. Taxon.*, 4 : 282. Australia, Indian Ocean, East Indies.
2005. *Moira stygia* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 97. Andaman Islands.

87. *Schizaster (Hypselaster) kempi* (Koehler)

1914. *Periaster kempi* Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 162 Kerala : St. 274. 10° 33' N 76° 08' 22'' E, 1529 m (836 fms.)
1951. *Hypselaster kempi* : Mortensen, T. A *Monograph of Echinoidea.*, V(2) : 320. Lakshadweep and Bay of Bengal, 1360-1935 m.

Remark : Baker and Rowe (1990) considered *Hypselaster* and *Paraster* as subgenera of *Schizaster*.

88. *Schizaster (Paraster) angulatus* (Koehler)

1914. *Prymnaster angulatus* Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 188. Maharashtra : Investigator St. 242. Off Maharashtra Coast, 17° 27' N 71° 41' E, 102-106 m (56-58 fms.) [St. 247. 27° N, 71° 41' E is a *lapsus*].
1951. *Prymnaster angulatus* : Mortensen, T. A *Monograph of Echinoidea.*, V(2) : 227.

89. *Schizaster (Paraster) compactus* (Koehler)

1914. *Paraster compactus* Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 180. Tamil Nadu : Madras Coast, 37 m (20 fms.). Bay of Bengal, 1095 m (599 fms.).
1951. *Paraster compactus* : Mortensen, T. A *Monograph of Echinoidea.*, V(2) : 221. Madras coast 37 m (20 fms), two specs; Bay of Bengal, 1095 m (599 fms). Known only from Gulf of Bengal.

90. *Schizaster (Paraster) gibberulus* (L. Agassiz)

1847. *Schizaster gibberulus* Agassiz, L. and Desor, *Ann. Sci. Nat.*, (3)6 : 22
1894. *Schizaster gibberulus* : Anderson, A.R.S. *Jour. Asiat. Soc. Beng.*, 62 (part II, No. 3) : 194. Andhra Pradesh : Investigator St. 157. Coromandel Coast 14° 07' 12'' N 80° 20' 37'' E, 37 m (20 fms.).
1899. *Schizaster gibberulus* : Anderson, A.R.S. *Report of the Surgeon Naturalist for the season 1898-99*. Administration Report of the Marine Survey of India for the year 1898-98, p. 11.
1914. *Paraster (Schizaster) gibberulus* : Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 172. [These forms are not represented in the collection of Indian Museum]
1951. *Paraster gibberulus* : Mortensen, T. A *Monograph of Echinoidea.*, V(2) : 218. Red Sea and Indian Ocean. Only those of the Red Sea fully reliably referable to this species.

1971. *Paraster gibberulus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 146-147 (distribution) and 166 (key).

91. *Schizaster (Paraster) investigatoris* (Koehler)

1914. *Prymnaster investigatoris* Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 196. South Andamans : Port Blair.
1951. *Prymnaster investigatoris* : Mortensen, T. *A Monograph of Echinoidea.* V(2) : 228.
1971. *Prymnaster investigatoris* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 146-147 (distribution) and 166 (key)
1983. *Prymnaster investigatoris* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 92. South Andamans : Port Blair.
2005. *Schizaster (Paraster) investigatoris* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 97. Andaman Islands.

Family BRISSIDAE

92. *Brissopsis luzonica* (Gray)

1851. *Kleinia luzonica* Gray, *Ann. Mag. nat. Hist.*, (2)7 : 133.
1894. *Brissopsis luzonica* : Anderson, A.R.S. *Jour. Asiat. Soc. Beng.*, 62 (part II, No. 3) : 195. Andhra Pradesh : Coromandel Coast, 37 m (20 fms.).
1907. *Brissopsis luzonicus* : Mortensen, T. *The Danish Ingolf Expedition.*, IV(2) : 168.
1914. *Brissopsis luzonicus* : Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 207. Kerala : *Investigator* St. 389. Off Kochi, 9° 01' 50" N 75° 55' 50" E, 148 m (81 fms.); Tamil Nadu : *Investigator* St. 167. Madras Coast, 37-60 m (20-33 fms.); Andhra Pradesh : *Investigator* St. 98. 9 miles SE of Santapalli, Visakhapatnam Coast, 37 m (20 fms.); Orissa : *Investigator* St. 79. Ganjam Coast, 60 m (33 fms.); *Investigator* St. 85. Ganjam Coast, 57 m (31 fms.); SW of Puri, 46 m (25 fms.); Andamans : West Coast of Andaman Islands, 27 m (15 fms.). Proposed *Brissopsis duplex* for specimens of Siboga Expedition identified by de Meijere (1904) as *Brissopsis luzonicus*.
1925. *Brissopsis luzonica* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidæa) in the collection of the British Museum (Natural History)*, p. 213 Tahiti, New Zealand, Torres Strait (Arafura Sea), Kei Islands, Philippines, SE Japan, Zanzibar.
1948. *Brissopsis luzonica* : Mortensen, T. *Bull. U.S. natn. Mus.*, 100 (Vol. 14, part 3) : 128.
1951. *Brissopsis luzonica* : Mortensen, T. *A Monograph of Echinoidea.*, V(2) : 397. Synonym : *Brissopsis duplex* : Koehler, 1914 : 212. Widely distributed in the Indo-West Pacific from Red Sea and the East Coast of Africa down to Mozambique to the Arafura Sea and to Japan and the Hawaiian Islands. Further, it is recorded from the Great Barrier Reef, New Caledonia, Tahiti and off East New Zealand.
1971. *Brissopsis luzonica* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 146-147 (distribution) and 165 (key).
1983. *Brissopsis luzonica* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 92. Andaman Island, 36-148 m.
1990. *Brissopsis luzonicus* : Baker, A.N. and Rowe, F.W.E. *Invertebr. Taxon.*, 4 : 282. Australia, Indian Ocean, East Indies, Japan, SW Pacific Ocean.

2005. *Brissopsis luzonicus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 98. Andaman Islands.

93. *Brissopsis oldhami* Alcock

1893. *Brissopsis oldhami* Alcock, A. *J. Asiat. Soc. Bengal*, **62** (part II, no. 4) : 174. Bay of Bengal, 1377 m (753 fms.). Most probably Andhra Pradesh : *Investigator* Station 134. Off Krishna Delta, 1377 m (753 fms.).
1894. *Brissopsis oldhami* : Anderson, A.R.S. *Jour. Asiat. Soc. Beng*, **62** (part II, No. 3) : 195. Sri Lanka : Off Tricomallie, 1114 m (609 fms.).
1914. *Brissopsis oldhami* : Koehler, R. *Echinoderma of the Indian Museum*, Part **VIII** : 218. Kerala : *Investigator* St. 274. Off Kochi, 10° 33' N 74° 45' 15'' E, 2103-2140 m (1150-1170 fms.); Tamil Nadu : *Investigator* St. 264. 10° 50' 30'' N 80° 41' 30'' E, 1646 m (900 fms.); Andaman and Nicobar Islands : *Investigator* St. 315. 10-Degree Channel between Little Andaman and Car Nicobar, 10° 6' N 92° 24' E, 1289 m (705 fms.). Maldives : 7° 28' 30'' N 76° 26' 30'' E, 1624 m (888 fms.); *Investigator* St. 231. 7° 34' 30'' N 76° 08' 22'' E, 1529 m (836 fms.).
1948. *Brissopsis oldhami* : Mortensen, T. *Bull. U.S. natn. Mus.*, **100** (Vol. 14, part 3) : 126.
1951. *Brissopsis oldhami* : Mortensen, T. *A Monograph of Echinoidea.*, **V(2)** : 409. Bay of Bengal, Philippines, Borneo, Celebes. 1040-2140 m.
1990. *Brissopsis oldhami* : Baker, A.N. and Rowe, F.W.E. *Invertebr. Taxon.*, **4** : 282, 288. Australia, New Zealand, Indian Ocean, East Indies, Philippines.
2005. *Brissopsis oldhami* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 98. Andaman and Nicobar Islands.

94. *Brissopsis parallela* Koehler

1914. *Brissopsis parallela* Koehler, R. *Echinoderma of the Indian Museum*, Part **VIII** : 213. North Andamans : East of North Andaman, 13° 17' 15'' N 93° 10' E, 338 m (185 fms.); South Andamans : *Investigator* St. 331. East of Little Andaman, 11° 46' 30'' N 93° 16' E, 1041 m (569 fms.); Andaman and Nicobar Islands : *Investigator* St. 315. Ten Degree Channel between Little Andaman and Car Nicobar 10° 06' N 92° 29' E, 1289 m (705 fms.).
1951. *Brissopsis parallela* : Mortensen, T. *A Monograph of Echinoidea.*, **V(2)** : 415. Bay of Bengal near Andamans.
2005. *Brissopsis parallela* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 98. Andaman and Nicobar Islands.

95. *Brissus latecarinatus* (Leske)

1778. *Spatangus brissus* var. *latecarinatus* Leske, N.G. *Additamenta ad Kleinii naturalem dispositionem Echinodermatum*, p. 185.
1888. *Brissus unicolor* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 388. Tamil Nadu : Gulf of Mannar (Tuticorin).
1895. *Brissus unicolor* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3(II)** : 115. Tamil Nadu : Gulf of Mannar (Pamban).

1900. *Brissus carinatus* Bedford, *Proc. zool. Soc. Lond.*, **1900** : 281.
1925. *Brissus latecarinatus* : H.L. Clark, *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 219. Tamil Nadu : Chennai. Red Sea, Mauritius, Amirantes, Chagos Archipelago, Salomon Islands, Philippines, Japan, Hawaii, Australia.
1951. *Brissus latecarinatus* : Mortensen, T. *A Monograph of Echinoidea.*, V(2) : 514. Widely distributed in the Indo-West Pacific from Red Sea and Mauritius to the Hawaiian Is., the Marquesas Is. and the Poumotu Is.
1971. *Brissus latecarinatus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 146-147 (distribution) and 165 (key).
1979. *Brissus latecarinatus* : Mallik, T.K. *Mar. Geol.*, **29** : Lakshadweep : Kalpeni.
1990. *Brissus latecarinatus* : Baker, A.N. and Rowe, F.W.E. *Invertebr. Taxon.*, **4** : 282. Australia, Indian Ocean, East Indies, SW Pacific Ocean.
1991. *Brissus latecarinatus* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 390. Lakshadweep : Minicoy.

96. *Gymnopatagus magnus* (Agassiz and Clark)

1907. *Eupatagus magnus* Agassiz, A. and Clark, H.L.
1914. *Gymnopatagus sewelli* Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 98. Andamans : Investigator St. 228. East of North Andaman, 13° 7' N 94° 44' 15'' E, 1170 m (640 fms.); Investigator St. 310. East of North Andaman, 13° 29' 30'' N 95° 09' E, 1756 m (960 fms.).
1951. *Gymnopatagus magnus* A. Agassiz and H.L. Clark : Mortensen, T. *A Monograph of Echinoidea*, V(2) : 447. Synonym : *Gymnopatagus sewelli* Koehler, 1914 : 98. From Japan to Indian Ocean.
1990. *Gymnopatagus magnus* : Baker, A.N. and Rowe, F.W.E. *Invertebr. Taxon.*, **4** : 283. New Zealand, Indian Ocean, East Indies Japan.
2005. *Gymnopatagus magnus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 98. Andaman Islands. *Gymnopatagus* is a subgenus of *Eupatagus* according to Fisher (1966 : U586 In : R.C. Moore, 1966) but separate genera according to Baker and Rowe (1990).

97. *Gymnopatagus valdiviae* (Döderlein)

1901. *Eupatagus valdiviae* Döderlein, L. *Zool. Anz.*, **23** : 23.
1966. *Eupatagus (Gymnopatagus) valdiviae* : Fisher, A.G. *Treatise on Invertebrate Paleontology. Part U : Echinodermata*, 3(2) : U586.
1951. *Gymnopatagus valdiviae* : Mortensen, T. *A Monograph of Echinoidea.*, V(2) : 447. W. Indian Ocean, off Somali coast.
2005. *Gymnopatagus valdiviae* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 98. Andaman Islands.

98. *Metalia latissima* H. L. Clark

1925. *Metalia latissima* H.L. Clark, *A catalogue of the recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 215. Probably this is an extreme variant of *Metala sternalis*. Tamil Nadu : Gulf of Mannar (Tuticorin).

1951. *Metalia latissima* : Mortensen, T. *A Monograph of Echinoidea.*, V(2) : 546.
1971. *Metalia latissima* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 146-147 (distribution) and 166 (key).
1990. *Metalia latissima* : Baker, A.N. and Rowe, F.W.E. *Invertebr. Taxon.*, 4 : 283. Australia, Indian Ocean, Japan.

99. *Metalia spatagus* (Linnaeus)

1758. *Echinus spatagus* Linnaeus, C. *Systema Naturae*, Ed. 10 : 665.
- ?1904. *Metalia spatagus* : de Meijere, J.C.H. *Siboga Exped. Monog.*, 43 : 184.
1914. *Metalia maculosa* : Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 127. Andamans : West Coast of Andamans, 27 m (15 fms.), Andaman Islands.
1925. *Metalia spatagus* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 216. Red Sea, Samoa, Rotuma.
1951. *Metalia spatagus* : Mortensen, T. *A Monograph of Echinoidea.*, V(2) : 540. ?*Metalia maculosa* Koehler, 1914 : 127. p. 541. Koehler (1914 : 127) gives a series of figures of the pedicellariae of *M. spatagus* P. XIX 61-70 which do not fit well with my observations. Most astounding is his description and figures of the globiferous pedicellariae (fig 63-67) with their terminal opening surrounded by a number of sharp teeth, they differ from the small primitive globiferous pedicellariae of *M. nobilis* (and *towinsendi*) without terminal opening that it is hardly imaginable that they could belong to the same genus, not to mention their being the same species, as it was hitherto unanimously accepted that *M. nobilis* was simply identical with *M. spatagus*. I cannot help suggesting that Koehler must have made some mistake here, the specimen on which he found these globiferous pedicellariae not being *spatagus* (or *maculatus* as he names it). It would beforehand be supposed that the young specimens of *M. spatagus* would have globiferous pedicellariae of the same kind as those of *M. nobilis* but I have found none. Ophicephalous pedicellariae are present in a couple of young specimens of Banda. They are not peculiar. All over the Indo-West Pacific from Red Sea and East Africa to Japan, Hawaii and the Society Is. but not at West America. Littoral to 130 m.
1969. *Metalia spatangus* (sic !) : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 59. Lakshadweep : Minicoy.
1971. *Metalia spatagus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 146-147 (distribution) and 166 (key).
1983. *Metalia spatangus* (sic !) : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 92. West Coast of Andaman Island.
1990. *Metalia spatagus* : Baker, A.N. and Rowe, F.W.E. *Invertebr. Taxon.*, 4 : 283, 295. Australia, Indian Ocean, East Indies, Japan, SW Pacific Ocean.
1991. *Metalia spatagus* : Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 390. Lakshadweep : Minicoy.
2005. *Metalia spatagus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 99. Andaman Islands.

100. *Metalia sternalis* (Lamarck)

1816. *Spatangus sternalis* Lamarck, J.B.P.A. de *Hist. nat. anim. s. vert.*, **3** : 31.
1887. *Metalia sternalis* : Bell F.J. *Proc. zool. Soc. Lond.*, **1887** : 140. Andamans.
1888. *Metalia sternalis* : Bell F.J. *Proc. zool. Soc. Lond.*, **1888** : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1894. *Metalia sternalis* : Anderson, A.R.S. *Jour. Asiat. Soc. Beng.*, **62** (part II, No. 3) : 195. Andhra Pradesh : Coromandel Coast, 37 m (20 fms.).
1895. *Metalia sternalis* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3(II)** : 115. Tamil Nadu : Gulf of Mannar (Pamban).
1925. *Metalia sternalis* : H.L. Clark, *A catalogue of the recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 216. The specimen from the Andaman Islands is remarkable for its retention of colour; the test is quite orange-red, many spines are white throughout, but many are orange-red, white at the tip. Andamans. Mauritius, Amirantes, Singapore, NE Australia.
1948. *Metalia sternalis* : Mortensen, T. *Bull. U.S. natn. Mus.*, **100** (Vol. 14, part 3) : 139.
1951. *Metalia sternalis* : Mortensen, T. *A Monograph of Echinoidea.*, **V(2)** : 535.
1969. *Metalia sternalis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 59. Tamil Nadu : Gulf of Mannar (Tuticorin).
1971. *Metalia sternalis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 146-147 (distribution) and 166 (key).
1983. *Metalia sternalis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. Andaman Island.
1985. *Metalia sternalis* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Metalia sternalis* : James, D.B. *J. mar. biol. Ass.*, **25(1-2)** : 102 (1983). Tamil Nadu : Chennai.
1988. *Metalia sternalis* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1990. *Metalia sternalis* : Baker, A.N. and Rowe, F.W.E. *Invertebr. Taxon.*, **4** : 283. Australia, Indian Ocean, East Indies, Japan, SW Pacific Ocean.
2005. *Metalia sternalis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 99. Andaman Islands.

101. *Rhynobrissus pyramidalis* A. Agassiz

1872. *Rhynobrissus pyramidalis* A. Agassiz, *Bull. Mus. comp. Zool. Harv.*, **3** : 18.
1888. *Rhynobrissus pyramidalis* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384, 386. Tamil Nadu : Gulf of Mannar (Tuticorin).
1895. *Rhynobrissus pyramidalis* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3(II)** : 115. Tamil Nadu : Gulf of Mannar (Pamban).
1925. *Rhynobrissus pyramidalis* : H.L. Clark, *A catalogue of the recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 218. Tamil Nadu : Gulf of Mannar (Tuticorin).
1951. *Rhynobrissus pyramidalis* : Mortensen, T. *A Monograph of Echinoidea.*, **V(2)** : 488.

1971. *Rhynobrissus pyramidalis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 146-147 (distribution) and 166 (key). p. 149. note 27. Mortensen (1951) uses Agassiz's subsequent corrected spelling *Rhinobrissus* for this genus. However, according to the Code of Nomenclature (article 32a) 'incorrect transliteration (as in this case), improper latinization, etc., are not to be considered inadvertent errors, i. e. ones meriting correction. Accordingly, Agassiz's original spelling is the one used here.
1990. *Rhynobrissus pyramidalis* : Baker, A.N. and Rowe, F.W.E. *Invertebr. Taxon.*, **4** : 283. Australia, Indian Ocean, East Indies.

Material : Orissa : Gahirmatha coast (Cuttack District), S. Biswas and C. S. Kar, 26-28 Feb 1983, 1 spec.

Family SPATANGIDAE

100a. *Maretia planulata* (Lamarck)

1914. *Maretia planulata* : Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 106. Myanmar (Great Coco Island, part of Andaman Islands *sensu lato*, very close to Indian territory, but not Indian locality).
1925. *Maretia ovata* : Clark, H.L. *A catalogue of the recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 226. *Spatangus planulatus* Lamarck = *Spatangus ovatus* Leske 1778. *Add. ad Klein*, p. 188. Zanzibar, Mauritius, Maldives, India, Gulf of Martaban, Borneo, Philippines, Macclesfield Bank, Japan, Australia, Central Pacific Islands, Faunafuti, Fiji.
1951. *Maretia planulata* (Lamarck) : Mortensen, T. *A Monograph of Echinoidea.*, V(2) : 27. Synonyms : *M. variegata* Gray, 1866. *Proc. zool. Soc.*, **1866** : 176; *M. planulata* : Bell, 1884 "Alert" p. 123; Herdman, 1904. *Ceylon Pearl-oyster Rep.* 142; *M. ovata* H.L. Clark, 1917 *Hawaiian Echin* : 248; 1925 *Catalogue* : 226; 1932, *Gt. Barrier Reef Exped.*, IV : 219; 1938. *Echin. Australia*, p. 432; 1946. *Echin. Austr.* p. 380. Widely distributed over the tropical, subtropical region of the Indo-West Pacific from East Africa to Fiji and Gilbert Is. and from Sagami Bay to Port Jackson. In the Red Sea it is known only from the southern most part. Ebb-zone to 60 m. Siboga Expedition from 148 m is *M. cardata*.
1971. *Maretia planulata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 146-147 (distribution) and 165 (key).
1983. *Maretia planulata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. Great Coco Island, 36-54m
2005. *Maretia planulata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 99. Andaman Islands.

102. *Nacospatangus (Pseudomaretia) alta* (A. Agassiz)

1863. *Maretia alta* Agassiz, A. *Proc. Acad. Nat. Sci. Philad.* p. 360.
1894. *Maretia alta* : Anderson, A.R.S. *Jour. Asiat. Soc. Beng.*, **62** (part II, No. 3) : 195. Andhra Pradesh : Coromandel Coast, 13-42 m (7-23 fms.). Yellow with purple tinge, when handled the purple colour becomes more marked and the fingers of the captor are stained light purple. Purple colour is quickly developed by immersion in spirit.

1904. *Maretia alta* : de Meijere, J.C.H. *Siboga Exped. Monog.*, **43** : 192.
1914. *Pseudomaretia alta* : Koehler, R. *Echinoderma of the Indian Museum*, Part **VIII** : 111. Karnataka : Pedro Shoal; Tamil Nadu : Mahabalipuram, 9-18 m (5-10 fms.); Andhra Pradesh : *Investigator* St. 158. 14° 04' 57'' N 80° 20' 50'' E, 42 m (23 fms.); Orissa : Puri; Andaman Islands,
1925. *Pseudomaretia alta* : H.L. Clark, *A catalogue of the recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 228. Tamil Nadu : Gulf of Mannar (Tuticorin). Carcados Carajos.
1941. *Pseudomaretia alta* : Gravely, F.H. *Bull. Madras Govt. Mus. New Series (Nat. Hist. Section)*, **V(1)** : 91, 106. Tamil Nadu : Chennai.
1948. *Pseudomaretia alta* : Mortensen, T. *Bull. U.S. natn. Mus.*, **100** (Vol. 14, part 3) : 135.
1951. *Pseudomaretia alta* : Mortensen, T. *A Monograph of Echinoidea.*, **V(2)** : 58. From Southern Japan to the Indian Ocean (Ceylon, Mauritius). Döderlein's material from New Guinea is *P. tylota*.
1971. *Pseudomaretia alta* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 146-147 (distribution) and 165 (key).
2005. *Pseudomaretia alta* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 100. Andaman Islands. *Pseudomaretia* is a subgenus of *Nacospatangus* according to Fisher, 1966 : U609 in: R.C. Moore and followed by Baker and Rowe (1990).

Material : Orissa : Konark. 18 m (10 fms.).

Family LOVENIIDAE

103. *Breynia vredenburgi* Anderson

1907. *Breynia vredenburgi* Anderson, A.R.S. *J. Asiat. Soc. Beng.*, **2(3)** : 145. South Andamans : Port Blair.
1951. *Breynia vredenburgi* : Mortensen, T. *A Monograph of Echinoidea*, **V(2)** : 145. Andamans.
1968. *Breynia vredenburgi* : James, D.B. *J. mar. biol. Ass. India*, **8** : 76 (1966). Description of the species, key to the species of the genus. South Andamans : Port Blair.
1969. *Breynia vredenburgi* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 59. South Andamans : Port Blair.
1971. *Breynia vredenburgi* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 146-147 (distribution) and 164 (key).
1983. *Breynia vredenburgi* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. South Andamans : Port Blair.
2005. *Breynia vredenburgi* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 100. South Andaman Islands.

104. *Lovenia elongata* (Gray)

1845. *Spatangus elongata* Gray, J.E. *Exped. Australia*, **1** : 436.
1888. *Lovenia elongata* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).

1894. *Lovenia elongata* : Anderson, A.R.S. *Jour. Asiat. Soc. Beng.*, **62** (part II, no. 3) : 195. Andhra Pradesh : Coromandel Coast; Tamil Nadu : Gulf of Mannar (entrance to the Palk Strait).
1895. *Lovenia elongata* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3(II)** : 115. Tamil Nadu : Gulf of Mannar (Pamban).
1904. *Lovenia elongata* : Herdman, W.A. and Herdman, J.B. In : W.A. Herdman (ed.), *Report to the Government of Ceylon on the Peral Oyster Fisheries of the Gulf of Manaar* Part II. Supplementary Report **X** : 142. Tamil Nadu : Gulf of Mannar (Palk Strait).
1914. *Lovenia elongata* : Koehler, R. *Echinoderma of the Indian Museum*, Part **VIII** : 111. Tamil Nadu : Gulf of Mannar [Palk Strait, 11-18 m (6-10 fms.) and 13 m (7 fms.)]; Madras Coast, 37 m (20 fms.).
1925. *Lovenia elongata* : H.L. Clark, *A catalogue of the recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 230. Tamil Nadu : Gulf of Mannar (Tuticorin). Aden, Muscat, East Africa, Macclesfield Bank, Philippines, Japan, Australia.
1941. *Lovenia elongata* : Gravely, F.H. *Bull. Madras Govt. Mus. New Series (Nat. Hist. Section)*, **V(1)** : 91, 106. Tamil Nadu : Chennai.
1948. *Lovenia elongata* : Mortensen, T. *Bull. U.S. natn. Mus.*, **100** (Vol. 14, part 3) : 136.
1951. *Lovenia elongata* : Mortensen, T. *A Monograph of Echinoidea*, **V(2)** : 97. Widely distributed over the Indo-West Pacific from the East Coast of Africa to the Australian East Coast and to Southern Japan.
1969. *Lovenia elongata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 59. Tamil Nadu : Gulf of Mannar (Tuticorin).
1971. *Lovenia elongata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 146-147 (distribution) and 164 (key).
1985. *Lovenia elongata* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January, 1985*. Paper No., **54** (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Lovenia elongata* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1990. *Lovenia elongata* : Baker, A.N. and Rowe, F.W.E. *Invertebr. Taxon.*, **4** : 283. Australia, Indian Ocean, East Indies, Japan.
2001. *Lovenia elongata* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 165. South Andamans : Ritchie's Archipelago (Havelock Island).
2005. *Lovenia elongata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 100. Andaman Islands.

105. *Lovenia gregalis* Alcock

1894. *Lovenia gregalis* Alcock, A. *Journ. Asiat. Soc. Bengal*, **62** (part II, no. 4) : 175. Bay of Bengal, 869 m (475 fms.), corresponds to Investigator Station 132. Off Tamil Nadu, 12° 50' N 81° 30' E.
1914. *Lovenia gregalis* : Koehler, R. *Echinoderma of the Indian Museum*, Part **VIII** : 115. Bay of Bengal, 869 m (475 fms.).
1925. *Lovenia gregalis* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 231. Bay of Bengal, 869 m (475 fms.); S. Africa, 18-37 m (10-20 fms.); Seychelles 64 m (35 fms.).

1948. *Lovenia gregalis* : Mortensen, T. *Bull. U.S. natn. Mus.*, **100** (Vol. 14, part 3) : 137.
1951. *Lovenia gregalis* : Mortensen, T. *A Monograph of Echinoidea.*, **V(2)** : 120. From Japan to the Indian Ocean (Bay of Bengal). 275-930 m.
1990. *Lovenia gregalis* : Baker, A.N. and Rowe, F.W.E. *Invertebr. Taxon.*, **4** : 283. Australia. Indian Ocean. East Indies. Japan.

106. *Lovenia subcarinata* (Gray)

1845. *Spatangus subcarinata* Gray, J.E. *Exped. Australia*, **1** : 436.
1914. *Lovenia subcarinata* : Koehler, R. *Echinoderma of the Indian Museum*, Part **VIII** : 114. Orissa : 28 miles SW of Puri.
1925. *Lovenia subcarinata* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 231. Luzon, Hong Kong.
1948. *Lovenia subcarinata* : Mortensen, T. *Bull. U.S. natn. Mus.*, **100** (Vol. 14, part 3) : 136.
1951. *Lovenia subcarinata* : Mortensen, T. *A Monograph of Echinoidea.*, **V(2)** : 110. Distributed from the East Coast of Africa to Hong Kong. It is particularly common in the Java Sea. In the Indian Ocean it is known only from the Mergui Archipelago and Africa, East Coast. 10-75 m. Apparently Mortensen missed the record of Koehler (1914).
1971. *Lovenia subcarinata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 146-147 (distribution) and 164 (key).
2005. *Lovenia subcarinata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 101. Andaman Islands.

Family ASTEROSTOMATIDAE

107. *Araeolampas glauca* (Wood-Mason and Alcock)

1891. *Homolampas glauca* Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)**VIII** : 441. Andamans Investigator St. 111. West of North Andaman. 12° 50' N 90° 52' E. 3007 m (1644 fms.).
1899. *Homolampas glauca* : Anderson, A.R.S. *Jour. Asiat. Soc. Beng.*, **62** : 11.
1902. *Homolampas glauca* : A. Alcock. *A Naturalist in the Indian Seas*, p. 289. Murray, London.
1914. *Homolampas glauca* : Koehler, R. *Echinoderma of the Indian Museum*, Part **VIII** : 45. Investigator St. 111. West of North Andaman. 12° 50' N 90° 52' E. 3007 m (1644 fms.).
1951. *Homolampas glauca* : Mortensen, T. *A Monograph of Echinoidea.*, **V(2)** : 275. Known only from Bay of Bengal, 2985 m.
1974. *Araeolampas glauca* : Serafy, D.K. *Proc. Biol. Soc. Wash.*, **87**(6) : 43 (key).
2005. *Araeolampas glauca* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 100. Andaman Islands.

Remark : The genus *Homolampas* was transferred from Palaeopneustidae *sensu* Mortensen to Asterostomatidae by R.H. Chesher (1968. *Stud. Trop. Oceanogr. Miami*, Vol. **7** : 1-168) as per the suggestion of Fisher (1966 in R.C. Moore). D.K. Serafy (1974), restricted the genus *Homolampas* to *fragilis* (A. Agassiz, 1869, *Lissonotus fragilis* as Type Species), and

lovenoides Mortensen, 1948 and transferred the species *fulva* (A. Agassiz, 1879, *Homolampas fulva* as Type Species), *glauca* (Wood-Mason, 1891), *hastata* (A. Agassiz, 1898) and *rostrata* (de Meijere, 1902) to his new genus *Araeolampas* under Asterostomatidae and also described a new species *Araeolampas atlantica*.

108. *Argopatus vitreus* A. Agassiz

1881. *Argopatus vitreus* A. Agassiz, *Challenger Echinoidea*, p. 160.
1904. *Phrissocystis humilis* : de Meijere, J.C.H. *Siboga Exped. Monog.*, **43** : 198.
1906. *Meijerea humilis* : Döderlein, L. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia"* V(2) : 243.
1914. *Meijerea humilis* : Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 98. Investigator St. 310. Andaman Sea, NE of North Andamans, 13° 29' 30'' N 95° 09' E, 1756 m (960 fms.).
1948. *Argopatus vitreus* : Mortensen, T. *Bull. U.S. natn. Mus.*, **100** (Vol. 14, part 3) : 113.
1951. *Argopatus vitreus* : Mortensen, T. *A Monograph of Echinoidea*, V(2) : 223. Koehler's (1914) *Meijerea humilis* is *Argopatus vitreus* A. Agassiz.
2005. *Argopatus vitreus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 101. Andaman Islands.

109. *Elipneustes denudatus* (Koehler)

1914. *Eurypneustes denudatus* Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 73. Tamil Nadu : Investigator St. 257. S of Kanniyakumari, 7° 15' N 77° 46' E, 262 m (143 fms.).
1951. *Elipneustes denudatus* : Mortensen, T. *A Monograph of Echinoidea*, V(2) : 254. West of Colombo-Ceylon, 285 m.
1969. *Elipneustes denudatus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 59. Off SW of Sri Lanka, 7° 09' N 77° 12' E (but S or S by E of Kanniyakumari of Tamil Nadu).

110. *Elipneustes rubens* (Koehler)

1914. *Eurypneustes rubens* Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 89. Kerala : Investigator St. 246. Lakshadweep Sea, 11° 14' 30'' N 74° 59' 15'' E, 124-271 m (68-148 fms.). Sri Lanka : Investigator St. 465. 5° 56' N 81° 22' E, 199-241 m (109-132 fms.).
1951. *Elipneustes rubens* : Mortensen, T. *A Monograph of Echinoidea*, V(2) : 254. [*Eurypatus* n. sp. Anderson, 1899]. Off Malabar coast and SE of Ceylon; 125-270 m.

111. *Heterobrissus hemingi* (Anderson)

1899. *Paleopneustes hemingi* Anderson, A.R.S. *Jour. Asiat. Soc. Beng.*, **62** : 7. Kerala : Investigator St. 248. W of Thiruvananthapuram, 8° 37' N 75° 37' 30'' E, 410-417 m (224-228 fms.).
1902. *Paleopneustes hemingi* : Alcock, A *Naturalist in the Indian Seas*, p. 168. Kerala : Investigator St. 248. W of Thiruvananthapuram, 8° 37' N 75° 37' 30'' E, 410-417 m (224-228 fms.).
1914. *Archeopneustes hemingi* : Koehler, *Echinoderma of the Indian Museum*, Part VIII : 52. Kerala : Investigator St. 248. W of Thiruvananthapuram, 8° 37' N 75° 37' 30'' E, 410-417 m (224-228 fms.).

1951. *Heterobrissus hemingi* : Mortensen, T. *A Monograph of Echinoidea.*, V(2) : 203. Anderson (1899) gave the name *Palaeopneustes hemingi*, but published only by Alcock (1902). Taken only once by Investigator at Stn. 248. in Laccadive Sea, 8° 37' N 75° 37' E, 390-510 m.

112. *Linopneustes spectabilis* (de Meijere)

1904. *Paleopneustes spectabilis* de Meijere, J.C.H. *Siboga Exped. Monog.*, **43** : 172.
 1914. *Linopneustes spectabilis* : Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 62. Kerala : Investigator St. 322. Off Malabar coast, 9° 34' 57'' N 75° 36' 30'' E, 742 m (406 fms.).
 1948. *Linopneustes spectabilis* : Mortensen, T. *Bull. U.S. natn. Mus.*, **100** (Vol. 14, part 3) : 115.
 1951. *Linopneustes spectabilis* : Mortensen, T. *A Monograph of Echinoidea.*, V(2) : 213. South of Celebes, Timor Sea-Philippines, Laccadives, Maldives: 450-1325 m.

113. *Paleotrema ovatum* (Koehler)

1914. *Paleotropus ovatus* Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 39. Tamil Nadu : Investigator St. 238. Off Chennai, 13° 16' N 83° 08' E, 137-110 m (75-60 fms.).
 1951. *Palaeotrema ovatum* : Mortensen, T. *A Monograph of Echinoidea.*, V(2) : 294. Bay of Bengal ("Investigator"). Pemba Strait, East Africa ("John Murray").

Class HOLOTHUROIDEA
 Order ASPIDOCHIROTIDA
 Family HOLOTHURIIDAE

1. *Actinopyga echinites* (Jäger)

1969. *Actinopyga echinites* (Jäger, G.F. 1833. *De Holothuris*, p. 17) : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 61. South Andamans : Port Blair.
 1971. *Actinopyga echinites* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 176-177 (distribution).
 1983. *Actinopyga echinites* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. South Andamans : Port Blair, intertidal.
 1989. *Actinopyga echinites* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **43** : 128. Lakshadweep : Amini.
 1991. *Actinopyga echinites* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 423. Lakshadweep : Amini; Andaman and Nicobar Islands.
 2004. *Actinopyga echinites* : Sastry, D.R.K. *et al. Rec. zool. Surv. India*, **103**(1-2) : 63. Nicobars : Great Nicobar Island.
 2005. *Actinopyga echinites* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 101. Andaman and Nicobar Islands.

2. *Actinopyga lecanora* (Jäger)

1908. *Muelleria lecanora* Jäger, G.F. : Kochler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **IV** : 21. Andaman Islands.
1908. *Muelleria lecanora* : Kochler, R. and Vaney, C. *Echinoderma of the Indian Museum*, part, **IX** : 21. Andamans.
1971. *Actinopyga lecanora* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 176-177 (distribution).
1983. *Actinopyga lacanora* (sic !) : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. Andamans.
2005. *Actinopyga lecanora* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 101. Andaman and Nicobar Islands.

3. *Actinopyga mauritiana* (Quoy and Gaimard)

1833. *Holothuria mauritiana* Quoy and Gaimard, *Voyage de découvertes de l'ASTROLOBE, Zoologie : Zoophytes*, p. 138.
1887. *Muelleria mauritiana* : Bell F.J. *Proc. zool. Soc. Lond.*, **1887** : 140. Andamans.
1908. *Muelleria mauritiana* : Kochler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **IV** : 22. Lakshadweep; Andamans; Nicobars. Sri Lanka; Myanmar : Andamans (Great Coco).
1969. *Actinopyga mauritiana* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 61. Lakshadweep : Minicoy; South Andamans : Port Blair; Middle Andamans : Rangat Bay; Nicobars : Nancowry.
1971. *Actinopyga mauritiana* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 176-177 (distribution).
1983. *Actinopyga mauritiana* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 507. South Andamans : Port Blair, Chidyatapu, Kaudiaghat, Ritchie's Archipelago (Neil Island), Little Andaman Island; Nicobars : Car Nicobar, Great Nicobar.
1983. *Actinopyga mauritiana* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 300. Lakshadweep : Androth, Kavaratti.
1983. *Actinopyga mauritiana* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. South Andamans : Port Blair, intertidal.
1985. *Actinopyga mauritiana* : Price, A.R.G. and Reid, C.E. *Bull. Br. Mus. nat. Hist. (Zool.)*, **48**(1) : 3. Lakshadweep : Chetlat.
1991. *Actinopyga mauritiana* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 403. Lakshadweep : Androth.
1991. *Actinopyga mauritiana* : James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 21. South Andamans : Labyrinth Islands (MGMNP-Jolly Buoy, Tarmugli).
1999. *Actinopyga mauritiana* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(1) : 93. Nicobars : Great Nicobar Island.
2001. *Actinopyga mauritiana* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 157 and 167. South Andamans : Ritchie's Archipelago (Neil).
2005. *Actinopyga mauritiana* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 102. Andaman and Nicobar Islands.

4. *Actinopyga miliaris* (Quoy and Gaimard)

1833. *Holothuria miliaris* Quoy and Gaimard. *Voyage de decouvertes de l'ASTROLOBE*, Zoologie : Zoophytes, p. 137
1887. *Muelleria miliaris* : Bell F.J. *Proc. zool. Soc. Lond.*, **1887** : 140, 144. Andamans.
1908. *Muelleria miliaris* : Kochler, R. and Vancy, C. *Echinoderma of the Indian Museum*, Part IV : 22. South Andamans : Port Blair.
1969. *Actinopyga miliaris* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 61. Lakshadweep : Minicoy.
1971. *Actinopyga miliaris* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 176-177 (distribution).
1983. *Actinopyga miliaris* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 311. Lakshadweep.
1983. *Actinopyga miliaris* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. South Andamans : Port Blair.
1991. *Actinopyga miliaris* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 403. Lakshadweep Minicoy.
1991. *Actinopyga miliaris* : James, D.B. *J. Andaman Sci. Assoc.*, **7(2)** : 22. South Andamans : Labyrinth Islands (MGMNP-Jolly Buoy, Malay).
2005. *Actinopyga miliaris* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 102. Andaman Islands.

5. *Bohadschia argus* Jäger

1833. *Bohadschia argus* Jäger, G.F. *De Holothuriis*, p. 19.
1969. *Holothuria argus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 62. Tamil Nadu : Gulf of Mannar (Mandapam).
1971. *Bohadschia argus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 176-177 (distribution).
1983. *Holothuria argus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. South Andamans : Port Blair, intertidal
1988. *Bohadschia argus* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85(1)** : 13. Tamil Nadu : Gulf of Mannar (Mandapam).
1989. *Bohadschia argus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **43** : 129. Lakshadweep : Agatti, Amini, Chetlat, Kiltan, Kadamat, Kavaratti.
1991. *Bohadschia argus* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 413. Lakshadweep : Agatti, Amini, Chetlat, Kiltan, Kadamat, Kavaratti; Andamans; Nicobars.
1991. *Bohadschia argus* : James, D.B. *J. Andaman Sci. Assoc.*, **7(2)** : 22. South Andamans : Labyrinth Islands (MGMNP-Redskin, Twin).
2005. *Bohadschia argus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 102. Andaman Islands.

6. *Bohadschia graeffei* (Semper)

1971. *Bohadschia graeffei* (Semper) : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 176-177 (distribution).
1985. *Bohadschia graeffei* : Price, A.R.G. and Reid, C.E. *Bull. Br. Mus. nat. Hist. (Zool.)*, **48**(1) : 3. Lakshadweep : Chetlat.

7. *Bohadschia marmorata* Jäger

1833. *Bohadschia marmorata* Jäger, G.F. *De Holothuriis*, p. 18.
1887. *Holothuria marmorata* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140, 145. Andamans.
1888. *Holothuria marmorata* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 385. Tamil Nadu : Gulf of Mannar (Tuticorin).
1969. *Holothuria bivittata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 61. South Andamans : Port Blair
1969. *Holothuria marmorata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 62. Lakshadweep : Minicoy; South Andamans : Port Blair.
1971. *Bohadschia marmorata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 176-177 (distribution).
1983. *Bohadschia marmorata* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 508. South Andamans: Port Blair; Lakshadweep : Minicoy. Bay of Bengal.
1983. *Bohadschia marmorata* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 301. Lakshadweep : Kavaratti. Minicoy; Tamil Nadu : Gulf of Mannar (Tuticorin) Andamans. Bay of Bengal.
1983. *Bohadschia marmorata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. South Andamans : Port Blair, intertidal
1983. *Bohadschia vitiensis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. South Andamans : Port Blair, intertidal
1985. *Bohadschia marmorata* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January 1985*, Paper No. 54 (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1985. *Bohadschia marmorata* : Price, A.R.G. and Reid, C.E. *Bull. Br. Mus. nat. Hist. (Zool.)*, **48**(1) : 3. Lakshadweep : Chetlat.
1987. *Bohadschia marmorata* : James, D.B. *J. Mar. biol. Ass. India*, **25**(1-2) : 102 (1983). Tamil Nadu : Chennai.
1988. *Bohadschia marmorata* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Bohadschia marmorata* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 13. Lakshadweep : Minicoy; Tamil Nadu : Gulf of Mannar (Pamban, Tuticorin); Andamans.
1991. *Bohadschia vitiensis* : James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 22. South Andamans : Labyrinth Islands (MGMNP-Malay, Chester).

1991. *Bohadschia marmorata* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 403. Lakshadweep : Kavaratti. Minicoy; Tamil Nadu : Gulf of Mannar (Tuticorin); Andamans.
2005. *Bohadschia marmorata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 103. Andaman Islands.

8. *Bohadschia tenuissima* Semper

1888. *Bohadschia tenuissima* Semper, *Z. Wiss. Zool. Reisen Archipel der Philippinen*, **2**
1908. *Holothuria tenuissima* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, part, **IX** : 16. 29° 08' N 83° E. 47 m (26 fms). The longitude and/or latitude are wrongly given. If the longitude is correct, the locality would be Persian Gulf and if the latitude is correct the locality would be off Andhra Pradesh (coast of Visakhapatnam District).
1971. *Bohadschia tenuissima* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 176-177 (distribution).
1988. *Bohadschia tenuissima* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 13. Tamil Nadu : Gulf of Mannar.

9. *Holothuria (Acanthotrapeza) pyxis* Selenka

1867. *Holothuria pyxis* Selenka, *E.Z. wiss. Zool.*, **17** : 337.
1887. *Holothuria papillata* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140, 145. Andamans.
1908. *Holothuria pyxis* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **IV** : 14. Andamans.
1971. *Holothuria (Acanthotrapeza) pyxis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 176-177 (distribution).
1983. *Holothuria (Acanthotrapeza) pyxis* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 509. Andamans; Nicobars : Kamorta (Chota Ina). Bay of Bengal.
1983. *Holothuria pyxis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. South Andamans, intertidal
1986. *Holothuria (Acanthotrapeza) pyxis* : James, D.B. *J. Andaman Sci. Assoc.*, **2**(1) : 34. South Andamans : Wandoor, Ritchie's Archipelago (Havelock).
1991. *Holothuria (Acanthotrapeza) pyxis* : James, D.B. *J. Andaman Sci. Assoc. No.*, **7**(2) : 22. South Andamans : Labyrinth Islands (MGMNP-Jolly Buoy).
1995. *Holothuria (Acanthotrapeza) pyxis* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(1) : 53, 201. Review and key to the Indian species of the genus. Andaman and Nicobar Islands.
2001. *Holothuria pyxis* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 157, 167. South Andamans : Ritchie's Archipelago (Havelock).
2004. *Holothuria (Acanthotrapeza) pyxis* : Sastry, D.R.K. *et al. Rec. zool. Surv. India*, **103**(1-2) : 63. Nicobars : Great Nicobar Island.
2005. *Holothuria (Acanthotrapeza) pyxis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 103. Andaman and Nicobar Islands.

9a. ?*Holothuria (Cystipus) inhabilis* Selenka

1867. *Stichopus rigida* Selenka, E.Z. wiss. Zool., **17** : 317.
1971. *Holothuria (Cystipus) inhabilis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 176-177 (distribution).
1983. *Holothuria (Cystipus) inhabilis* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 519. Andaman and Nicobar Islands.
2005. *Holothuria (Cystipus) inhabilis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 104. Andaman and Nicobar Islands.

Remark : James (1995 : 194) mentioned that only *Holothuria (Cystipus) rigida* is known from Indian seas.

10. *Holothuria (Cystipus) rigida* (Selenka)

1867. *Stichopus rigida* Selenka, E.Z. wiss. Zool., **17** : 317.
1971. *Holothuria (Cystipus) rigida* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 176-177 (distribution).
1983. *Holothuria (Cystipus) rigida* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 509. Middle Andamans : Sound Island; South Andamans : Port Blair, Little Andaman; Nicobars : Nancowry.
1983. *Holothuria rigida* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. South Andamans : Port Blair, intertidal
1988. ?*Holothuria (Cystipus) rigida* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 7, 11. Tamil Nadu : Gulf of Mannar (Krusadai, Mandapam, Manoli Island, Pamban, Vadalai); Andamans.
1989. *Holothuria (Cystipus) rigida* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **43** : 127. Lakshadweep : Kiltan.
1991. *Holothuria (Cystipus) rigida* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 413. Lakshadweep : Kiltan; Andamans; Nicobars.
1995. *Holothuria (Cystipus) rigida* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(2) : 194. Lakshadweep : Kiltan; Middle Andamans : Mayabunder; South Andamans : Port Blair.
2005. *Holothuria (Cystipus) rigida* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 104. Andaman and Nicobar Islands.

Remark : James (1995 : 194, 197) doubted the identity of specimens from Gulf of Mannar (Tamil Nadu) reported by Mokhopadhyaa (1988) as *Holothuria (Cystipus) rigida* and referred them to *H. scabra*.

11. *Holothuria (Halodeima) atra* Jäger

1833. *Holothuria atra* Jäger, G.F. *De Holothuriis*, p. 22.
1888. *Holothuria atra* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 385. Tamil Nadu : Gulf of Mannar (Tuticorin).

1895. *Holothuria atra* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3**(II) : 115. Tamil Nadu : Gulf of Mannar (Pamban).
1908. *Holothuria atra* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 5. South Andamans : Ritchie's Archipelago (Inglis Island); Sri Lanka; Myanmar (Arrakan coast).
1969. *Holothuria atra* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 62. Tamil Nadu : Mandapam (Gulf of Mannar, Palk Bay).
1970. *Holothuria atra* : James, D.B. *Proc. Symp. Mollusca*, Part III : 779. Tamil Nadu : Gulf of Mannar (Mandapam, Shingle Island, Vedalai).
1971. *Holothuria (Halodeima) atra* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 176-177 (distribution).
1983. *Holothuria atra* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 510. North Andamans : Interview Island; Middle Andamans : Long Island; South Andamans : Port Blair, Little Andaman; Nicobars : Car Nicobar, Great Nicobar; Lakshadweep : Minicoy; Tamil Nadu : Gulf of Mannar (Krusadai, Mandapam, Tuticorin).
1983. *Holothuria (Halodeima) atra* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 302. Lakshadweep : Kavaratti, Minicoy; Andamans; Nicobars; Tamil Nadu : Gulf of Mannar (Krusadai, Mandapam, Tuticorin).
1983. *Holothuria atra* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. South Andamans : Port Blair, intertidal.
1985. *Holothuria (Halodeima) atra* : Price, A.R.G. and Reid, C.E. *Bull. Br. Mus. nat. Hist. (Zool.)*, **48**(1) : 4. Lakshadweep : Chetlat.
1985. *Holothuria atra* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January 1985*, Paper No., **54** (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Holothuria atra* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Holothuria (Helodeima) atra* (sic !) : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 5. Tamil Nadu : Gulf of Mannar (Mandapam, Krusadai).
1988. *Holothuria (Helodeima) atra* (sic !) : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 11. Tamil Nadu : Gulf of Mannar (Krusadai Mandapam, Pamban, Tuticorin); Lakshadweep : Minicoy; Andamans; Nicobars.
1991. *Holothuria (Halodeima) atra* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 404. Lakshadweep : Kavaratti; Tamil Nadu : Gulf of Mannar (Krusadai, Mandapam, Tuticorin); Andamans; Nicobars.
1991. *Holothuria (Halodeima) atra* : James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 22. South Andamans : Labyrinth Islands (MGMNP-Jolly Buoy, Malay, Chester).
1995. *Holothuria (Halodeima) atra* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(1) : 51. Karnataka : Karwar; Kerala : Vizhingam; Tamil Nadu : Gulf of Mannar (Mandapam, Tuticorin, Devipatnam); Lakshadweep : Agatti, Amini, Chetlat, Kadmat, Kavaratti.
1999. *Holothuria atra* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(1) : 93. Nicobars : Great Nicobar Island.
2005. *Holothuria (Halodeima) atra* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 104. Andaman and Nicobar Islands.

12. *Holothuria (Holothuria) edulis* Lesson

1830. *Holothuria edulis* Lesson, R.P. *Centurie Zoologie ou choix d'animaux rares, nouveaux ou imparfaitement connues*, p. 125.
1887. *Holothuria albida* Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140, 144. Andamans.
1908. *Holothuria edulis* : Kochler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part IV* : 7. Andamans.
1969. *Holothuria edulis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **7** : Tamil Nadu : Gulf of Mannar (Mandapam, Tuticorin).
1971. *Holothuria (Halodeima) edulis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 176-177 (distribution).
1983. *Holothuria edulis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. Andamans .
1985. *Holothuria edulis* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January 1985*, Paper No., **54** (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Holothuria edulis* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*, **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Holothuria (Halodeima) edulis* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 6, 12. Tamil Nadu : Gulf of Mannar (Mandapam, Tuticorin, Tholoyiram Paar).
1991. *Holothuria (Holothuria) edulis* : James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 22. South Andamans : MGMNP (Jolly Buoy Island).
1995. *Holothuria (Halodeima) edulis* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(1) : 52. Tamil Nadu : Gulf of Mannar (Mandapam, Tuticorin); South Andamans : Port Blair.
2005. *Holothuria (Halodeima) edulis* : Sastry, D.R.K. *Rec. zool. Surv. India. Occ. Paper No.*, **233** : 105. Andaman Islands.

13. *Holothuria (Lessonothuria) pardalis* Selenka

1867. *Holothuria pardalis* Selenka. *Z. wiss. Zool.*, **17** : 336.
1887. *Holothuria lineata* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140. Andamans.
1908. *Holothuria pardalis* : Kochler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part IV* : 13. South Andaman s: Ritchie's Archipelago (Inglis Island). Myanmar.
1962. *Holothuria pardalis* : Sane, S.R. and Chhapgar, B.F. *J. Bombay nat. Hist. Soc.*, **59**(2) : 673. Maharashtra : Bombay.
1969. *Holothuria pardalis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 61. Gujarat : Port Okha, Jamnagar (Bedi Port); Lakshadweep : Chetlat, Minicoy; Tamil Nadu : Gulf of Mannar (Pulli Island); South Andamans : Port Blair.
1971. *Holothuria (Lessonothuria) pardalis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 176-177 (distribution).
1983. *Holothuria (Lessonothuria) pardalis* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 511. Gujarat : Gulf of Kachchh, Port Okha; Lakshadweep : Chetlat; Tamil Nadu : Gulf of Mannar (Krusadai); Middle Andamans : Sound Island; Nicobars : Nancowry.

1983. *Holothuria (Lessonothuria) pardalis* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 311. Lakshadweep.
1983. *Holothuria pardalis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. South Andamans : Port Blair, intertidal.
1985. *Holothuria pardalis* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January 1985*, Paper No., **54** (Mimco) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Holothuria pardalis* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*, **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Holothuria (Lessonothuria) pardalis* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 3, 12. Gujarat : Gulf of Kachchh; Maharashtra : Bombay; Lakshadweep : Chetlat, Minicoy; Tamil Nadu : Gulf of Mannar (Krusadai and Pulli Islands); Andamans.
1991. *Holothuria (Lessonothuria) pardalis* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 404. Gujarat : Gulf of Kachchh (Port Okha); Lakshadweep : Kiltan, Chetlat, Minicoy; Tamil Nadu : Gulf of Mannar (Krusadai).
1995. *Holothuria (Lessonothuria) pardalis* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(2) : 191. Gujarat : Gulf of Kachchh (Port Okha); Maharashtra : Ratnagiri; Lakshadweep : Chetlat, Kiltan, Minicoy; Tamil Nadu : Gulf of Mannar (Pulli Island); Middle Andamans : Mayabunder, Rangat; South Andamans : Port Blair.
2004. *Holothuria (Lessonothuria) pardalis* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat. Part 2* : 200. Gujarat : Gulf of Kachchh (Okha, Jamnagar).
2004. *Holothuria (Lessonothuria) pardalis* : Sastry, D.R.K. *et al. Rec. zool. Surv. India*, **103**(1-2) : 63. Nicobars : Great Nicobar Island.
2005. *Holothuria (Lessonothuria) pardalis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 105. Andaman and Nicobar Islands

14. *Holothuria (Mertensiothuria) exilis* Koehler, R. and Vaney, C.

1908. *Holothuria exilis* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part IV* : 17. Andamans, 66 m (36 fms.).
1983. *Holothuria (Mertensiothuria) exilis* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 519. Andaman and Nicobar Islands.
1995. *Holothuria (Mertensiothuria) exilis* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(1) : 61. ? synonym of *Holothuria (Mertensiothuria) pervicax* Selenka.
2005. *Holothuria (Mertensiothuria) exilis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 106. Andaman and Nicobar Islands. D.B. James (1995 : 61) suspects that *H. (M.) exilis* Koehler, R. and Vaney, C. is a synonym of *H. (M.) pervicax* Selenka (*vide infra*).

15. *Holothuria (Mertensiothuria) fuscocinerea* Jäger

1833. *Holothuria fuscocinerea* Jäger, G.F. *De Holothuriis*, p. 22.
1971. *Holothuria (Mertensiothuria) fuscocinerea* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 176-177 (distribution).

1983. *Holothuria (Mertensiothuria) fuscocinerea* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 304. Lakshadweep : Androth.
1983. *Holothuria fuscocinerea* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. South Andamans : Port Blair, intertidal.
1991. *Holothuria (Mertensiothuria) fuscocinerea* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 405. Lakshadweep : Androth.
1995. *Holothuria (Mertensiothuria) fuscocinerea* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(1) : 61. South Andamans : Port Blair.
2005. *Holothuria (Mertensiothuria) fuscocinerea* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 106. South Andaman Islands.

16. *Holothuria (Mertensiothuria) leucospilota* Brandt

1835. *Stichopus (Gymnochirota) leucospilota* Brandt, *Prodromus descriptionis animalium*, **1** : 51.
1886. *Holothuria vagabunda* Bell, F.J. *J. Linn. Soc. (Zool.)*, **20** : 28.
1887. *Holothuria vagabunda* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140. Andamans.
1888. *Holothuria vagabunda* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 387. Tamil Nadu : Gulf of Mannar (Tuticorin).
1895. *Holothuria vagabunda* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3**(11) : 115. Tamil Nadu : Gulf of Mannar (Tuticorin).
1908. *Holothuria vagabunda* : Koehler, R. and Vancy, C. *Echinoderma of the Indian Museum. Part IV* : 17. Lakshadweep; Andamans. Persian Gulf; Myanmar (Great Coco).
1969. *Holothuria leucospilota* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 62. Karnataka : Karwar; Lakshadweep : Minicoy; Kerala : Vizhingam; Tamil Nadu : Gulf of Mannar (Kilakarai, Tuticorin); Middle Andamans : Rangat Bay; South Andamans : Port Blair.
1971. *Holothuria (Mertensiothuria) leucospilota* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 176-177 (distribution).
1983. *Holothuria (Mertensiothuria) leucospilota* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 511. Karnataka : Karwar; Lakshadweep : Minicoy; Kerala : Vizhingam; Tamil Nadu : Gulf of Mannar (Tuticorin); Middle Andamans : Sound Island; Nicobars : Nancowry, Trinket.
1983. *Holothuria (Mertensiothuria) leucospilota* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 305. Karnataka : Karwar; Lakshadweep : Androth, Kalpeni, Kiltan, Minicoy; Kerala : Vizhingam; Tamil Nadu : Kilakarai; Andamans.
1983. *Holothuria leucospilota* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. South Andamans : Port Blair, intertidal.
1985. *Holothuria leucospilota* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January 1985*, Paper No., **54** (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Holothuria leucospilota* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*, **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.

1991. *Holothuria (Mertensiothuria) leucospilota* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 405. Lakshadweep : Amini, Androth, Kalpeni, Kiltan; Karnataka : Karwar; Kerala : Vizhingam; Tamil Nadu : Gulf of Mannar (Kilakarai, Tuticorin); Andamans.
1988. *Holothuria (Mertensiothuria) leucospilota* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 12. Tamil Nadu : Gulf of Mannar (Kilakarai, Tuticorin); Kerala : Vizhingam; Karnataka : Karwar; Lakshadweep : Minicoy; Andamans; Nicobars.
1991. *Holothuria (Mertensiothuria) leucospilota* : James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 23. South Andamans Labyrinth Islands (MGMNP-Jolly Buoy Island).
1995. *Holothuria (Mertensiothuria) leucospilota* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(2) : 190. Synonym : *Holothuria vagabunda* Bell, F.J. 1886: 28. South Andamans : Port Blair, Little Andaman Island.
2005. *Holothuria (Mertensiothuria) leucospilota* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 106. Andaman and Nicobar Islands.

17. *Holothuria (Mertensiothuria) pervicax* Selenka

1867. *Holothuria pervicax* Selenka, *Z. wiss. Zool.*, **17** : 327.
1969. *Holothuria pervicax* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 61. Lakshadweep : Minicoy.
1971. *Holothuria (Mertensiothuria) pervicax* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 176-177 (distribution).
1983. *Holothuria (Mertensiothuria) pervicax* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 311. Lakshadweep.
1983. *Holothuria pervicax* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. South Andamans : Port Blair, intertidal.
1991. *Holothuria (Mertensiothuria) pervicax* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 405. Lakshadweep : Minicoy.
1995. *Holothuria (Mertensiothuria) pervicax* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(1) : 61. Lakshadweep : Chetlat, Minicoy; South Andamans : Port Blair.
2005. *Holothuria (Mertensiothuria) pervicax* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 107. Andaman Islands.

17a. *Holothuria (Metriatyla) albiventer* Semper

1983. *Holothuria albiventer* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. South Andamans : Port Blair, intertidal.
2005. *Holothuria (Metriatyla) albiventer* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 107. Andaman and Nicobar Islands. The report of the species from South Andamans : Port Blair was based on wrong identification (recent personal communication from Dr. D.B. James).

18. *Holothuria (Metriatyla) ocellata* Jäger

1833. *Holothuria ocellata* Jäger, G.F. *De Holothuriis*, p. 27.

1908. *Holothuria ocellata* : Koehler, R. and Vanev, C. *Echinoderma of the Indian Museum*, Part IV : 12. Kerala (Lakshadweep Sea) : Investigator St. 246. Off Kozhikode, 11° 14' 30'' N 74° 57' 15'' E. 124-271 m (68-148 fms.).
1971. *Holothuria (Metriatyla) ocellata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 178-179 (distribution).
1983. *Holothuria (Metriatyla) ocellata* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 311. Lakshadweep.
1988. *Holothuria (Metriatyla) ocellata* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 6, 12. Gujarat : Gulf of Kachchh; Lakshadweep; Tamil Nadu : Gulf of Mannar (Pamban).
2004. *Holothuria (Metriatyla) ocellata* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat*, Part 2 : 200. Gujarat : Gulf of Kachchh (Jamnagar).

Remark : James (1995 : 197) referred the specimens from Gulf of Mannar (Tamil Nadu) reported by Mukhopadhyay (1988) to *H. scabra*.

19. *Holothuria (Metriatyla) scabra* Jäger

1833. *Holothuria scabra* Jäger, G.F. *De Holothuriis*, p. 23.
1887. *Holothuria cadelli* Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140, 144. Andamans.
1908. *Holothuria scabra* : Koehler, R. and Vanev, C. *Echinoderma of the Indian Museum*, Part IV : 16. South Andamans : Ritchie's Archipelago (Inglis Island). Myanmar.
1969. *Holothuria scabra* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 61. Gujarat : Gulf of Kachchh (Jamnagar-Bedi Port); Tamil Nadu : Gulf of Mannar (Mandapam, Pamban).
1971. *Holothuria (Metriatyla) scabra* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 178-179 (distribution).
1983. *Holothuria (Metriatyla) scabra* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 512. Gujarat : Gulf of Kachchh; Tamil Nadu : Gulf of Mannar (Krusadai, Mandapam, Pamban); South Andamans : Port Blair.
1983. *Holothuria scabra* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. South Andamans : Port Blair, intertidal.
1985. *Holothuria scabra* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January 1985*, Paper No., **54** (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1985. *Holothuria scabra* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. ?*Holothuria (Cystipus) rigida* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 7, 11. [non : *Stichopus rigida* Selenka, E. 1867. *Z. wiss. Zool.*, **17** : 317]. Tamil Nadu : Gulf of Mannar (Krusadai, Mandapam, Manoli Island, Pamban, Vadalai); Andamans.
1988. *Holothuria (Metriatyla) scabra* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 12. Tamil Nadu : Gulf of Mannar (Krusadai, Mandapam, Pamban); Gujarat : Gulf of Kachchh (Jamnagar-Bedi Port); Andamans.
1991. *Holothuria (Metriatyla) scabra* : James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 23. South Andamans : MGMNP (Tarmugli Island).

1995. *Holothuria (Metriatyla) scabra* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(2) : 196. Gujarat : Gulf of Kachchh (Jamnagar); Tamil Nadu : Gulf of Mannar (Mandapam, Tuticorin); North Andamans : Diglipur; Middle Andamans : Rangat; South Andamans : Port Blair.
2004. *Holothuria (Metriatyla) scabra* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat, Part 2* : 200. Gujarat : Gulf of Kachchh (Jamnagar).
2004. *Holothuria (Metriatyla) scabra* : Sastry, D.R.K. *et al. Rec. zool. Surv. India*, **103**(1-2) : 64. Nicobars : Great Nicobar Island.
2005. *Holothuria (Metriatyla) scabra* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 107. Andaman Islands.

Remark : James (1995 : 194, 197) doubted the identity of the specimens from Gulf of Mannar (Tamil Nadu) reported by Mokhopadhyaa (1988) as *Holothuria (Cystipus) rigida* and *Holothuria (Metriatyla) ocellata* and referred them to *H. scabra*. James (*Op. cit.* p. 196) mentioned *Holothuria (Metriatyla) mertensi* Semper in the key to Indian species of the subgenus without any further details.

20. *Holothuria (Microthele) fuscogilva* Cherbonnier

1998. *Holothuria (Microthele) fuscogilva* : James, D.B. *Mar. Fish. Infor. Serv., T & E Ser. No.*, **158** : 15. Tamil Nadu : Gulf of Mannar (off Kayalapatnam). Maldives, South Pacific Islands, New Caledonia, Papua New Guinea, Solomon Islands, Fiji, Queensland, Torres Strait etc.

21. *Holothuria (Microthele) nobilis* (Selenka)

1867. *Mulleria nobilis* Selenka. *Z. wiss. Zool.*, **17** : 313.
1887. *Holothuria maculata* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140. Andamans.
1888. *Holothuria maculata* : Bell F.J. *Proc. zool. Soc. Lond.*, **1888** : 384. Tamil Nadu : Gulf of Mannar (Tuticorin).
1908. *Holothuria maculata* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, part, IV. 11. North Andaman Island
1969. *Microthele nobilis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 61. Lakshadweep : Minicoy
1971. *Holothuria (Microthele) nobilis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 178-179 (distribution).
1983. *Holothuria (Microthele) nobilis* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 311. Lakshadweep.
1983. *Microthele nobilis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. South Andamans : Port Blair, intertidal
1985. *Holothuria (Microthele) nobilis* : Price, A.R.G. and Reid, C.E. *Bull. Br. Mus. nat. Hist. (Zool.)*, **48**(1) : 4. Lakshadweep : Chetlat.
1989. *Holothuria (Microthele) nobilis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **43** : 128. Lakshadweep : Amini, Chetlat, Kadamat, Kavaratti, Kiltan..
1991. *Holothuria (Microthele) nobilis* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 406. Lakshadweep : Minicoy.

1995. *Holothuria (Microthele) nobilis* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(2) : 199. Lakshadweep : Amini, Chetlat, Kadamat, Kavaratti, Minicoy; South Andamans : Port Blair.
2004. *Holothuria (Microthele) nobilis* : Sastry, D.R.K. *et al. Rec. zool. Surv. India*, **103**(1-2) : 64. Nicobars : Great Nicobar Island.
2005. *Holothuria (Microthele) nobilis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 108. Andaman Islands.

22. *Holothuria (Platyperona) difficilis* Semper

1868. *Holothuria difficilis* Semper. *Reisen Archip. Philippinen*, **2**(1) : 92.
1908. *Holothuria difficilis* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 6. Andamans.
1969. *Microthele difficilis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 61. Lakshadweep : Minicoy.
1971. *Holothuria (Platyperona) difficilis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 178-179 (distribution).
1983. *Holothuria (Platyperona) difficilis* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 512. Lakshadweep : Minicoy Andamans; Nicobars : Kamorta.
1983. *Holothuria (Platyperona) difficilis* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 303. Lakshadweep : Androth, Kavaratti, Minicoy; Andamans.
1991. *Holothuria (Platyperona) difficilis* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 406. Lakshadweep : Kavaratti, Minicoy; Andamans.
1995. *Holothuria (Platyperona) difficilis* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(1) : 55. Lakshadweep : Chetlat, Minicoy.
2004. *Holothuria (Platyperona) difficilis* : Sastry, D.R.K. *et al. Rec. zool. Surv. India*, **103**(1-2) : 64. Nicobars : Great Nicobar Island.
2005. *Holothuria (Platyperona) difficilis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 108. Andaman and Nicobar Islands.

23. *Holothuria (Selenkothuria) erinaceus* Semper

1868. *Holothuria erinaceus* Semper, *Reisen Archip. Philippinen*, **2** : 91.
1886. *Holothuria marenzelleri* : Jäger, G.F. *De Holothuriis*, p.207. Nicobars.
1908. *Holothuria glaberrima* : Kochler, R. and Vaney, C. *Echinoderms of the Indian Museum*, Part IV : 8. Myanmar.
1971. *Holothuria (Selenkothuria) erinaceus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 178-179 (distribution).
1983. *Holothuria erinaceus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. South Andamans : Port Blair, intertidal.
1983. *Holothuria (Selenkothuria) erinaceus* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 513. North Andamans : Interview Island; South Andamans : Port Blair; Nicobars : Nancowry.

1983. *Holothuria (Selenkothuria) glaberrima* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 519. Andaman and Nicobar Islands.
1995. *Holothuria (Selenkothuria) erinaceus* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(1) : 47. South Andamans : Port Blair, mud-flats in intertidal region.
2005. *Holothuria (Selenkothuria) erinaceus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 108. Andaman and Nicobar Islands.

24. *Holothuria (Selenkothuria) moebii* Ludwig

1883. *Holothuria moebii* Ludwig, H. p. 171.
1908. *Holothuria lubrica* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 10. [non : Selenka, 1867] Andamans. Sri Lanka.
1927. *Holothuria lubrica* : Gravelly, F.H. *Bull. Madras Govt. Mus. new Series (Sci. Sec.)*, **I**(1) : 163. Tamil Nadu : Gulf of Mannar (Krusadai).
1969. *Holothuria moebii* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 61. Kerala : Vizhingam; Tamil Nadu : Gulf of Mannar (Mandapam).
1971. *Holothuria (Selenkothuria) moebii* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 178-179 (distribution).
1983. *Holothuria moebii* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. Andamans.
1985. *Holothuria moebii* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January 1985*, Paper No., **54** (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Holothuria moebii* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Holothuria (Selenkothuria) moebii* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 12. Kerala : Vizhingam; Tamil Nadu : Gulf of Mannar (Krusadai, Mandapam); Andamans.
1995. *Holothuria (Selenkothuria) moebii* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(1) : 46. Maharashtra : Ratnagiri; Kerala : Vizhingam; Tamil Nadu : Gulf of Mannar (Mandapam).
2005. *Holothuria (Selenkothuria) moebii* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 108. Andaman and Nicobar Islands.

25. *Holothuria (Semperothuria) cinerascens* (Brandt)

1835. *Stichopus (Gymnochirota) cinerascens* Brandt, *Prodromus descriptionis animalium*, **1** : 51.
1969. *Holothuria cinerascens* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 61. Lakshadweep : Minicoy; Kerala : Vizhingam; Tamil Nadu : Gulf of Mannar (Mandapam); Middle Andamans : Rangat Bay.
1971. *Holothuria (Semperothuria) cinerascens* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 178-179 (distribution).
1983. *Holothuria (Semperothuria) cinerascens* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 513. Kerala : Vizhingam; Tamil Nadu : Mandapam; South Andamans : Rutland Island.

1983. *Holothuria (Semperothuria) cinerascens* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 302. Lakshadweep : Androth, Kalpeni; Kerala : Vizhingam; Tamil Nadu : Gulf of Mannar (Mandapam); Andamans.
1988. *Holothuria (Semperothuria) cinerascens* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 4. Tamil Nadu : Gulf of Mannar (Krusadai).
1988. *Holothuria (Semperothuria) cinerascens* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 12. Lakshadweep : Minicoy; Kerala : Vizhingam; Tamil Nadu : Gulf of Mannar (Mandapam); Andamans.
1991. *Holothuria (Semperothuria) cinerascens* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 406. Lakshadweep : Androth, Kalpeni, Minicoy; Kerala : Vizhingam; Tamil Nadu : Mandapam; Andamans.
1995. *Holothuria (Semperothuria) cinerascens* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(1) : 48. Maharashtra : ratnagiri; Kerala : Vizhingam; Lakshadweep : Amini, Androth, Btra, Chetlat, Kadmat, Kiltan, Kavaratti, Minicoy; Tamil Nadu : Gulf of Mannar (Manapam).
2005. *Holothuria (Semperothuria) cinerascens* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 109. Andaman and Nicobar Islands.

26. *Holothuria (Stauropora) prompta* Koehler, R. and Vaney, C.

1908. *Holothuria prompta* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part IV* : 20. Andamans.
1971. *Holothuria prompta* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 182-193 (distribution).
1983. *Holothuria prompta* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. Andamans.
1983. *Holothuria (Stauropora) prompta*: Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 519. Andaman and Nicobar Islands.
2005. *Holothuria (Stauropora) prompta* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 109. Andaman Islands.

Remark : James (1995) made no mention of this subgenus.

27. *Holothuria (Theelothuria) kurti* Ludwig

1908. *Holothuria kurti* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part IV* : 9. Tamil Nadu : Gulf of Mannar (Palk Strait).
1971. *Holothuria (Theelothuria) kurti* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 178-179 (distribution).
1984. *Holothuria (Theelothuria) kurti* : Liao, Y. *Studia Marina Sinica*, No. **23** : 232.
1988. *Holothuria (Theelothuria) kurti* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 12. Tamil Nadu : Gulf of Mannar (Mandapam, Palk Strait, Pear Bank).

Remark : James (1995 : 195) while enumerating the Indian species of *Holothuria* dealt with only *spinifera* under the subgenus *Theelothuria* and made no mention of the species *kurti* of Koehler, R. and Vaney, C. (1908).

28. *Holothuria (Theelothuria) spinifera* Théel

1886. *Holothuria spinifera* Théel, H. *Rep. scient. Results Voy. "Challenger" (Zool.)*, **39** : 175.
1969. *Holothuria spinifera* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 61. Tamil Nadu : Gulf of Mannar (Mandapam), Palk Bay (Devipattanam).
1971. *Holothuria (Theelothuria) spinifera* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 178-179 (distribution).
1984. *Holothuria (Theelothuria) spinifera* : Liao, Y. *Studia Marina Sinica*, No. **23** : 235.
1985. *Holothuria spinifera* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January 1985*, Paper No., **54** (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Holothuria spinifera* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Holothuria (Theelothuria) spinifera* : James, D.B. *J. Mar. biol. Ass. India*, **25**(1-2) : 102 (1983). Tamil Nadu : Chennai.
1988. *Holothuria (Theelothuria) spinifera* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 12. Tamil Nadu : Gulf of Mannar (Mandapam).
1995. *Holothuria (Theelothuria) spinifera* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(1) : 195. Tamil Nadu : Gulf of Mannar (Mandapam, Tuticorin, Palk Bay-Devipattinam).
1997. *Holothuria spinifera* : James, D.B. *Mar. Fish. Infor. Serv.*, T & E Ser. No., **149** : 6.

29. *Holothuria (Thymiosycia) arenicola* Semper

1868. *Holothuria arenicola* Semper, *Risen Archip. Philipp. 2. Wiss. Resul. Welands*, **2**(1) : 81.
1908. *Holothuria maculata* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part IV* : 11. Andamans : North Andaman Island.
1969. *Holothuria arenicola* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 61. South Andamans : Port Blair.
1971. *Holothuria (Thymiosycia) arenicola* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 178-179 (distribution).
1983. *Holothuria (Thymiosycia) arenicola* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 514. South Andamans : Ritchie's Archipelago (Neil); Nicobars : Kamorta.
1983. *Holothuria arenicola* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. South Andamans : Port Blair, intertidal.
1989. *Holothuria (Thymiosycia) arenicola* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **43** : 125. Lakshadweep : Amini, Androth, Chetlat, Kadmat.
1991. *Holothuria (Thymiosycia) arenicola* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 408. Lakshadweep : Amini.
1995. *Holothuria (Thymiosycia) arenicola* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(1) : 57. Lakshadweep : Amini, Androth, Chetlat, Kadmat; South Andamans : Port Blair.
2001. *Holothuria arenicola* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 157, 167. South Andamans : Ritchie's Archipelago (Neil Island).

2004. *Holothuria (Thymiosycia) arenicola* : Sastry, D.R.K. *et al. Rec. zool. Surv. India*, **103**(1-2) : 64. Nicobars : Great Nicobar Island.
2005. *Holothuria (Thymiosycia) arenicola* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 109. Andaman and Nicobar Islands.

30. *Holothuria (Thymiosycia) gracilis* Semper

1868. *Holothuria gracilis* Semper, C. *Reisen im Archipel der Philippinen*. 2. Wissenschaftliche Resultate, p. 84.
1971. *Holothuria (Thymiosycia) gracilis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 178-179 (distribution).
1984. *Holothuria (Thymiosycia) gracilis* : Liao, Y. *Studia Marina Sinica*, No., **23** : 231.
2005. *Holothuria (Thymiosycia) gracilis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 110. South Andaman Islands.

Remarks : James (1995) made no mention of this species under the subgenus *Thymiosycia*.

31. *Holothuria (Thymiosycia) hilla* Lesson

1830. *Holothuria hilla* Lesson, R.P. *Centurie zoologique ou choix d'animaux rares, nouveaux ou imparfaitement connues*, p. 226.
1887. *Holothuria monocaria* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140. Andamans.
1888. *Holothuria monocaria* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 385. Tamil Nadu : Gulf of Mannar (Tuticorin).
1908. *Holothuria monocaria* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part IV* : 11. Lakshadweep; Andamans. Persian Gulf (by Sluiter, 1901).
1969. *Holothuria hilla* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 62. Lakshadweep : Minicoy; Tamil Nadu : Gulf of Mannar (Mandapam, Palk Bay); South Andamans : Port Blair; Middle Andamans : Rangat Bay.
1971. *Holothuria (Thymiosycia) hilla* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 178-179 (distribution).
1983. *Holothuria (Thymiosycia) hilla* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 307. Lakshadweep : Kavaratti, Minicoy; Tamil Nadu : Gulf of Mannar (Kilakarai, Tuticorin, Krusadai); Andamans.
1983. *Holothuria hilla* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. South Andamans : Port Blair, intertidal
1985. *Holothuria (Thymiosycia) hilla* : Price, A.R.G. and Reid, C.E. *Bull. Br. Mus. nat. Hist. (Zool.)*, **48**(1) : 6. Lakshadweep : Chetlat.
1985. *Holothuria hilla* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January 1985*, Paper No., **54** (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Holothuria hilla* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.

1988. *Holothuria (Thymiosycia) hilla* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 8. Tamil Nadu : Gulf of Mannar (Krusadai, Tuticorin : Hare Island, Vadalai).
1988. *Holothuria (Thymiosycia) hills* (sic !) : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 12. Lakshadweep : Minicoy; Tamil Nadu : Gulf of Mannar (Kilakarai; Krusadai, Pamban; Tuticorin); Andamans.
1991. *Holothuria (Thymiosycia) hilla* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 407. Lakshadweep : Amini, Kavaratti; Tamil Nadu : Gulf of Mannar (Kilakarai, Krusadai, Tuticorin); Andamans.
1991. *Holothuria hilla* : James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 23. South Andamans : Labyrinth Islands (MGMNP-Jolly Buoy Island).
2004. *Holothuria (Thymiosycia) hilla* : Sastry, D.R.K. *et al. Rec. zool. Surv. India*, **103**(1-2) : 64. Nicobars : Great Nicobar Island.
2005. *Holothuria (Thymiosycia) hilla* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 110. Andaman and Nicobar Islands.

32. *Holothuria (Thymiosycia) impatiens* Forskål

1775. *Fistularia impatiens* Forskål, P. *Descriptiones animalium*, p. 121.
1887. *Holothuria impatiens* : Bell F.J. *Proc. zool. Soc. Lond.*, **1887** : 140. Andamans.
1888. *Holothuria impatiens* : Bell F.J. *Proc. zool. Soc. Lond.*, **1888** : 389. Tamil Nadu : Gulf of Mannar (Tuticorin).
1908. *Holothuria impatiens* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 8. South Andamans : Port Blair, Ritchie's Archipelago (Inglis Island). Myanmar (Grat Coco island); Sri Lanka.
1969. *Holothuria impatiens* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 61. Lakshadweep : Minicoy; South Andamans : Port Blair.
1969. *Holothuria impatiens* var. *bicolor* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 61. South Andamans : Port Blair.
1971. *Holothuria (Thymiosycia) impatiens* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 178-179 (distribution).
1983. *Holothuria (Thymiosycia) impatiens* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 514. Lakshadweep : Minicoy; North Andamans : Sound Island, Curlew Island; South Andamans : Port Blair, Ritchie's Archipelago (Havelock); Nicobars : Katchal, Kamorta, Trinket.
1983. *Holothuria (Thymiosycia) impatiens* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 307. Lakshadweep : Androth, Minicoy; Andamans.
1983. *Holothuria impatiens* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. South Andamans : Port Blair, intertidal.
1983. *Holothuria (Thymiosycia) impatiens* var. *bicolor* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 519. Andaman and Nicobar Islands.
1991. *Holothuria (Thymiosycia) impatiens* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 407. Lakshadweep : Androth, Minicoy; Andamans.

1991. *Holothuria (Thymiosycia) impatiens* : James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 23. South Andamans : Labyrinth Islands (MGMNP-Malay Island).
1995. *Holothuria (Thymiosycia) impatiens* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(1) : 58. Lakshadweep : Agatti, Amini, Chetlat, Kadmat, Kalpeni. Kiltan, Minicoy; South Andamans : Port Blair.
2001. *Holothuria impatiens* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 158, 167. South Andamans : Ritchie's Archipelago (Havelock Island).
2005. *Holothuria (Thymiosycia) impatiens* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 110. Andaman and Nicobar Islands.

32a. *Holothuria (Thymiosycia) remollescens* Lampert

1908. *Holothuria remollescens* : Koehler, R. and Vaney, C.V. *Echinoderma of the Indian Museum*, Part **IV** : 15. Myanmar : Great Coco Island.
1983. *Holothuria remollescens* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. Andamans (Great Coco Island, not Grand Coco Island as mentioned). Koehler, R. and Vaney, C. (1908 : 15) reported the species from Great Coco Island which belongs to Myanmar, not to the Andamans of India.
1983. *Holothuria (Thymiosycia) remollescens* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 519. Andaman and Nicobar Islands.
2005. *Holothuria (Thymiosycia) remollescens* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 111. Andaman Islands. Great and Little Coco Islands belong to the Andamans in *sensu lato*. But they are at present under Myanmar, not under the Andamans of India. The record of the species by Koehler, R. and Vaney, C. (1908) from Great Coco Island may be considered as from Andamans (the island under Myanmar), but not from India.

33. *Holothuria (Vaneyothuria) integra* Koehler, R. and Vaney, C.

1908. *Holothuria integra* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **IV** : 19. 187m (102 fms). Probably Kerala : *Investigator* St. 258. Lakshadweep Sea, 8° 23' N 76° 28' E, tallying with the depth of 102 fms..
1983. *Holothuria (Vaneyothuria) integra* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 312. Lakshadweep. Actually SW of Thiruvananthapuram (Kerala).

Remark : James (1995) made no mention of this subgenus or species.

Family LABIDODEMATIDAE

34. *Labidodemas rugosum* (Ludwig)

1875. *Holothuria rugosa* Ludwig, H. *Arb. zool. Inst. Wurzburg.*, **2**(2) : 85.
1908. *Holothuria rugosa* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **IV** : 15. Andamans.
1969. *Holothuria rugosa* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 61. South Andamans : Port Blair.
1971. *Labidodemas rugosum* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 176-177 (distribution).

1983. *Labidodemas rugosum* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 308. Lakshadweep : Kavaratti, Andamans.
1983. *Labidodemas rugosum* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. South Andamans : Port Blair, intertidal.
1987. *Labidodemas rugosum* : James, D.B. *J. mar. biol. Ass. India*, **23**(1-2) : 83 (1981). Transferred the genus *Labidodemas* to the new family *Labidodematidae*. South Andamans : Port Blair, intertidal.
1991. *Labidodemas rugosum* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 408. Lakshadweep : Kavaratti; Andamans.
2004. *Labidodemas rugosum* : Sastry, D.R.K. *et al. Rec. zool. Surv. India*, **103**(1-2) : 64. Nicobars : Great Nicobar Island.
2005. *Labidodemas rugosum* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 111. Andaman and Nicobar Islands.

35. *Labidodemas semperianum* Selenka

1867. *Labidodemas semperianum* Selenka, E. *Z. wiss. Zool.*, **17** : 291-374.
1908. *Labidodemas semperianum* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 21. Andamans.
1971. *Labidodemas semperianum* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 176-177 (distribution).
1983. *Labidodemas semperianum* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 519. Andaman and Nicobar Islands.
1987. *Labidodemas rugosum* : James, D.B. *J. mar. biol. Ass. India*, **23**(1-2) : 83 (1981).
2005. *Labidodemas semperianum* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 112. Andaman Islands.

Family STICHOPODIDAE

35a. *Apostichopus japonicus* Selenka.

1969. *Apostichopus japonicus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 61. Nicobars : Nancowry. As per a recent personal communication from Dr. D.B. James, the report of the species was based on wrong identification. The correct status of the material was not indicated.

36. *Stichopus chloronotus* Brandt

1835. *Stichopus (Perideris) chloronotus* Brandt, *Prodromus descriptions animalium*, **1** : 50.
1908. *Stichopus chloronotus* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 23. South Andamans : Port Blair.
1969. *Stichopus chloronotus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 61. Lakshadweep : Chetlat; Nicobars : Nancowry.
1971. *Stichopus chloronotus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 178-179 (distribution).

1983. *Stichopus chloronotus* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 515. Lakshadweep : Chetlat; North Andamans : Sound Island; Tamil Nadu : Gulf of Mannar (Krusadai); South Andamans : Ross Island, Ritchie's Archipelago (Havelock, Neil); Nicobars : Car Nicobar, Great Nicobar.
1983. *Stichopus chloronotus* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 312. Lakshadweep.
1983. *Stichopus chloronotus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. South Andamans : Port Blair, intertidal.
1985. *Stichopus chloronotus* : Price, A.R.G. and Reid, C.E. *Bull. Br. Mus. nat. Hist. (Zool.)*, **48**(1) : 6. Lakshadweep : Chetlat.
1985. *Stichopus chloronotus* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January 1985*, Paper No., **54** (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Stichopus chloronotus* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Stichopus chloronotus* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 9, 13. Lakshadweep : Chetlat; Tamil Nadu : Gulf of Mannar (Krusadai, Pearl Bank, Rameswaram); Andamans; Nicobars.
1991. *Stichopus chloronotus* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 408. Lakshadweep : Chetlat, Kiltan; Tamil Nadu : Gulf of Mannar (Krusadai); Andaman and Nicobar Islands.
1991. *Stichopus chloronotus* : James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 23. South Andamans : Labyrinth Islands (MGMNP-Jolly Buoy, Redskin).
1999. *Stichopus chloronotus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(1) : 93. Nicobars : Great Nicobar Island.
2001. *Stichopus chloronotus* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 158, 167. South Andamans : Ritchie's Archipelago (Havelock, Neil).
2005. *Stichopus chloronotus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 112. Andaman and Nicobar Islands.

37. *Stichopus herrmanni* Semper

1868. *Stichopus variegatus herrmanni* Semper, C. *Risen Archip. Philipp. 2. Wiss. Result. WeIslands*, **2**(1) : 73.
1908. *Stichopus variegatus* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part IV* : 23. South Andamans : Ritchie's Archipelago (Inglis Island). Persian Gulf
1969. *Stichopus variegatus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 61. Tamil Nadu : Gulf of Mannar (Tuticorin, Vedalai); South Andamans : Port Blair.
1971. *Stichopus variegatus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 178-179 (distribution).
1983. *Stichopus variegatus* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 312. Lakshadweep.
1983. *Stichopus variegatus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. South Andamans : Port Blair, intertidal.

1985. *Stichopus variegatus* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January 1985*, Paper No., **54** (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Stichopus variegatus* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 404. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Stichopus variegatus* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 13. Lakshadweep; Tamil Nadu : Gulf of Mannar (Tuticorin, Vedalai); Andamans.
1991. *Stichopus variegatus* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 409. Lakshadweep : Minicoy; Andamans.
1995. *Stichopus herrmanni* : Rowe, F.W. E. and Gates, J. *Zoological Catalogue of Australia*, **33** : 324.
1999. *Stichopus herrmanni* : Massin, C. *Zool. Verh. No.*, **329** : 63.
2004. *Stichopus variegatus* : Sastry, D.R.K. *et al. Rec. zool. Surv. India*, **103**(1-2) : 64. Nicobars : Great Nicobar Island.
2005. *Stichopus herrmanni* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 113. Andaman and Nicobar Islands.

38. *Stichopus horrens* Selenka

1867. *Stichopus horrens* Selenka, E.Z. *wiss. Zool.*, **17** : 316.
1971. *Stichopus horrens* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 178-179 (distribution).
1983. *Stichopus horrens* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 516. South Andamans : Ross Island; Nicobars : Nancowry.
2005. *Stichopus horrens* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 113. Andaman and Nicobar Islands.

39. *Stichopus vastus* Sluiter

1888. *Stichopus vastus* Sluiter, C.P. *Natuurk. Tydschr. Ned. Indie*, **47**.
1991. *Stichopus* sp. James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : South Andamans : Labyrinth Islands (MGMNP-Red Skin).
1998. *Stichopus vastus* : James, D.B. *Mar. Fish. Infor. Serv., T & E Ser. No.*, **158** : 132. South Andamans : Wandoor (i. e. erstwhile Wandoor Marine National Park and the present MGMNP, Red Skin Island cited above). Australia, Heron Island, Maldives.
2005. *Stichopus vastus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 113. Andaman and Nicobar Islands. James (1998) while reporting the species does not make any mention of *Stichopus* sp. reported by him (James, 1991) from Labyrinth Islands (MGMNP-Redskin Island) of South Andamans though he refers to other species of the genus in the same report. From the brief description of coloration and general body structure, it appears that the material is of *Stichopus vastus*. Hence it is included here (Dr. James later confirmed it to be so in a personal communication).

40. *Thelenota ananas* (Jäger)

1833. *Trepang ananas* Jäger, G.F. *De Holothuriis*, p. 24.

1983. *Thelenota ananas* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 309. Lakshadweep : Minicoy.
1969. *Thelenota ananas* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 60. Lakshadweep : Minicoy.
1971. *Thelenota ananas* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 178-179 (distribution).
1991. *Thelenota ananas* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 409. Lakshadweep : Minicoy.
2001. *Thelenota ananas* : Kulkarni, S., Saxena, A. and Choudhury, B.C. *J. Bomay nat. Hist. Soc.*, **98**(3): 480. South Andamans : Labyrinth Islands (MGMNP-Twin Islands, 12 m; Boat Island, 9 m), Rutland Island, 7 m.
2005. *Thelenota ananas* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 207. Andaman Islands.

Family SYNALLACTIDAE

41. *Allopatides dendroides* Koehler, R. and Vaney, C.

1905. *Allopatides dendroides* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part III* : 49. Andamans : Investigator St. 354. East of South Andaman, 11° 16' 30'' N 92° 58' E, 1233 m (669 fms.).
1983. *Allopatides dendroides* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 520. Andaman and Nicobar Islands.
2005. *Allopatides dendroides* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 114. Andaman Islands.

42. *Bathyplores assimilis* Koehler, R. and Vaney, C.

1905. *Bathyplores assimilis* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part III* : 25. Kerala : Investigator St. 229. SW of Kochi, 9° 29' 34'' N 75° 38' E, 658 m (360 fms.).

43. *Bathyplores cinctus* Koehler, R. and Vaney, C.

1983. *Bathyplores cinctus* (Koehler, R. and Vaney, C.) : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 520. Andaman and Nicobar Islands.
2005. *Bathyplores cinctus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 114. Andaman and Nicobar Islands.

44. *Bathyplores crenulatus* Koehler, R. and Vaney, C.

1905. *Bathyplores crenulatus* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part III* : 23. Andamans : Investigator St. 222. East of North Andaman, 13° 27' N 93° 14' 30'' E, 740 m (405 fms.).
1983. *Bathyplores crenulatus* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 520. Andaman and Nicobar Islands.

2005. *Bathyplores crenulatus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 114. Andaman Islands.

45. *Bathyplores papillosus* Koehler, R. and Vaney, C.

1905. *Bathyplores papillosus* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 28. Tamil Nadu : *Investigator* St. 268. S of Kanniyakumari, 7° 36' N 78° 05' E, 1088-1017 m (595-556 fms.).

46. *Bathyplores profundus* Koehler, R. and Vaney, C.

1905. *Bathyplores profundus* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 22. Andamans : *Investigator* Andamans : St. 111. West of Middle Andaman, 12° 50' N 90° 52' E, 3007 m (1644 fms.).
1983. *Bathyplores profundus* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 520. Andaman and Nicobar Islands.
2005. *Bathyplores profundus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 114. Andaman Islands.

47. *Bathyplores variabilis* Koehler, R. and Vaney, C.

1905. *Bathyplores variabilis* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 26. Tamil Nadu (N of Sri Lanka) : *Investigator* St. 282. 10° 08' N 80° 49' 30'' E, 911-132 m (498-726 fms.).

48. *Benthothuria cristatus* Koehler, R. and Vaney, C.

1905. *Benthothuria cristatus* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 42. Nicobars : *Investigator* St. 255. West of Car Nicobar, 9° 26' 30'' N 91° 56' 30'' E, 1589-1670 m (869-913 fms.).
1983. *Benthothuria cristatus* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 520. Andaman and Nicobar Islands.
2005. *Benthothuria cristatus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 114. Nicobar Islands.

49. *Benthothuria distortus* Koehler, R. and Vaney, C.

1905. *Benthothuria distortus* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 43. Goa : *Investigator* St. 192. 15° 11' N 72° 28' 45'' E, 1668-1703 m (912-931 fms.).

50. *Mesothuria abbreviata* Koehler, R. and Vaney, C.

1905. *Mesothuria abbreviata* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 11. Kerala : *Investigator* St. 197. SW of Kochi, 9° 34' 57'' N 75° 36' 30'' E, 742 m (406 fms.).

51. *Mesothuria incerta* Koehler, R. and Vaney, C.

1905. *Mesothuria incerta* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 11. Kerala : Investigator St. 229. SW of Kochi, 9° 29' 34'' N 75° 38' E, 658 m (360 fms.).

52. *Mesothuria multipes* Ludwig

1894. *Mesothuria multipes* Ludwig, H. *Mem. Mus. comp. Zool. Harv.*, 17(3) : 31.
1905. *Mesothuria multipes* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 10. Kerala : Investigator St. 104. SW of Kozhikode, 11° 12' 47'' N 74° 25' 30'' E, 1829 m (1000 fms.).

53. *Mesothuria squamosa* Koehler, R. and Vaney, C.

1905. *Mesothuria squamosa* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 13. Tamil Nadu : 11° 29' 45'' N 80° 02' 36'' E, 816 m (446 fms.).

54. *Pelopatides dissidens* Koehler, R. and Vaney, C.

1983. *Pelopatides dissidens* (Koehler, R. and Vaney, C.) : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, 80 : 520. Andaman and Nicobar Islands.
2005. *Pelopatides dissidens* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 114 Andaman and Nicobar Islands.

55. *Pelopatides gelatinosus* (Walsh)

1891. *Benthodytes gelatinosa* Walsh, J.H. *Tull, J. Asiat. Soc. Bengal*, 60 (Part II, no. 2) : 200. South Andamans : off Port Blair, 496 m (271 fms.); 7 ½ miles E of Cinque Islands, 896 m (490 fms.); off Dyer Point and N Cinque Island, 11° 31' 40'' N 92° 46' 40'' E, 344-402 m (188-220 fms.).
1905. *Pelopatides gelatinosus* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 30. South Andamans : 7 ½ miles E of Cinque Islands, 896 m (490 fms.); Investigator St. 115. 11° 31' 40'' N 92° 46' 40'' E, 344-402 m (188-220 fms.); Investigator St. 222. East of Middle Andaman, 13° 27' N 93° 14' 30'' E, 741 m (405 fms.).
1983. *Pelopatides gelatinosus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 93. Andamans, 344-896 m.
2005. *Pelopatides gelatinosus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 115. Andaman and Nicobar Islands.

56. *Pelopatides insignis* Koehler, R. and Vaney, C.

1905. *Pelopatides insignis* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 38. Andhra Pradesh : Investigator St. 133. 15° 43' 30'' N 80° 19' 30'' E, 1240 m (678 fms.).

57. *Pelopatides modestus* Koehler, R. and Vaney, C.

1905. *Pelopatides modestus* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 37. Goa : St. 144. 15° 05' 03'' N 72° 38' 10'' E, 1273 m (696 fms.); Andamans : Investigator St. 224. Off North Andaman, 13° 50' 30'' N 93° 26' E, 911 m (498 fms.).

1983. *Pelopatides modestus* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 520. Andaman and Nicobar Islands.

2005. *Pelopatides modestus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 115. Andaman and Nicobar Islands.

58. *Pelopatides mollis* Koehler, R. and Vaney, C.

1905. *Pelopatides mollis* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 34. South Andamans : *Investigator* St. 116. 11° 25' 05'' N 92° 47' 06'' E, 741 m (405 fms.)

1983. *Pelopatides mollis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. Andamans, 896 m.

2005. *Pelopatides mollis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 115. Andaman and Nicobar Islands.

59. *Pelopatides ovalis* (Walsh)

1891. *Benthodytes ovalis* Walsh, J.H. Tull, *J. Asiat. Soc. Bengal*, **60** (Part II, no. 2) : 200. South Andamans : 7 ½ miles E of N Cinque Island, 896 m (490 fms.).

1905. *Pelopatides ovalis* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 35. Andamans, 896 m (490 fms.).

1983. *Pelopatides ovalis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 93. Andamans, 896 m.

2005. *Pelopatides ovalis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 115. Andaman Islands.

60. *Pelopatides verrucosus* Koehler, R. and Vaney, C.

1905. *Pelopatides verrucosus* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 33. Andamans : *Investigator* St. 234. Off North Andaman, 13° 15' 30'' N 93° 26' E, 911 m (498 fms.).

1983. *Pelopatides verrucosus* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 520. Andaman and Nicobar Islands.

2005. *Pelopatides verrucosus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 115. Andaman Islands.

61. *Pseudostichopus occulatus* Marenzeller

1893. *Pseudostichopus occulatus* von Marenzeller, E. *Denksch. K. Ak. wiss. Wien*, **60** : 15.

1905. *Pseudostichopus occulatus* var. *plicatus* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 9. Andamans : St. 111. West of North Andaman, 12° 50' N 90° 52 E, 3007 m (1644 fms.).

2005. *Pseudostichopus occulatus* var. *plicatus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 115 Andaman Islands.

62. *Synallactes horridus* Koehler, R. and Vaney, C.

1905. *Synallactes horridus* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 16. Andamans : Investigator St. 117. West of South Andamans, 11° 58' N 88° 52' 17'' E, 3197 m (1748 fms.).

63. *Synallactes pellucidus* Koehler, R. and Vaney, C.

1905. *Synallactes pellucidus* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 21. Andhra Pradesh : Investigator St. 163. 13° 45' 38'' N 80° 29' 37'' E, 384 m (210 fms.).

64. *Synallactes rigidus* Koehler, R. and Vaney, C.

1905. *Synallactes rigidus* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 17. Andaman and Nicobar Islands (10-Degree Channel) : SW of Little Andaman and NW of Car Nicobar, 10° N 91° 07' E, 3519 m (1924 fms.).
1983. *Synallactes rigidus* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 520. Andaman and Nicobar Islands.
2005. *Synallactes rigidus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 116. Andaman and Nicobar Islands.

65. *Synallactes woodmasoni* (Walsh)

1891. *Pannychia woodmasoni* Walsh, J.H. Tull, J. *Asiat. Soc. Bengal*, **60** (Part II, no. 2) : 198. South Andamans : off Port Blair, 496 m (271 fms.); 7 ½ miles E of N Cinque Island, 896 m (490 fms.); Investigator St. 115. Off Dyer Point and North Cinque Island, 11° 31' 40'' N 92° 46' 06'' E, 344-402 m (188-220 fms.).
1905. *Synallactes woodmasoni* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 14. Andamans : 344-402 m (188-220 fms.); 496 m (271 fms.); 896 m (490 fms.); 7 miles east of Ross Island, 485 m (265 fms.); Investigator St. 222. Off North Andamans, 13° 27' N 93° 14' 30'' E, 741 m (405 fms.), Investigator St. 233. Off North Andaman, 13° 17' 15'' N 93° 10' E, 338 m (185 fms.).
1983. *Synallactes woodmasoni* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. Andamans.
2005. *Synallactes woodmasoni* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 116. Andaman Islands.

Order DENDROCHIROTIDA
Family PSOLIDAE

66. *Psolidium rugosum* Koehler, R. and Vaney, C.

1905. *Psolidium rugosum* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 82. Kerala : Investigator Sta. 258. W of Thiruvananthapuram, 8° 23' N 76° 28' E, 187 m (102 fms.).

67. *Psolus mannarensis* James

1927. *Psolus complanatus* : Gravely, F.H. *Bull. Madras Govt. Mus. (Nat. Hist.)*, **1**(1) : 166. Tamil Nadu : Gulf of Mannar (Krusadai Island). [non : Semper, C. 1868].
1976. *Psolus complanatus* : Satyamurty, S.T. *Bull. Madras Govt. Mus. (Nat. Hist.)*, **7**(3) : 38. Tamil Nadu : Gulf of Mannar (Pamban).
1987. *Psolus mannarensis* James, D.B. *J. mar. biol. Ass. India*, **26**(1984) : 110. Key to the Indian families and genera of the order Dendrochirotrida. Tamil Nadu : Gulf of Mannar (Pamban).
1988. *Psolus complanatus* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 13. Tamil Nadu : Gulf of Mannar (Krusadai). The report is based on Gravely's record which was considered by James (1987 : 110) to be of his new species.

68. *Psolus membranaceus* Koehler, R. and Vaney, C.

1905. *Psolus membranaceus* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 84. Kerala : Investigator Sta. 258. W of Thiruvananthapuram, 8° 23' N 76° 28' E, 187 m (102 fms.).

69. *Psolus laevis* Koehler, R. and Vaney, C.

1905. *Psolus laevis* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 85. Kerala : Investigator Sta. 258. W of Thiruvananthapuram, 8° 23' N 76° 28' E, 187 m (102 fms.).

69a. ?*Psolus* sp.

1985. *Psolus* sp. James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January 1985*, Paper No., **54** (Mimeo) : 6. Tamil Nadu : Gulf of Mannar Marine National Park. Most probably *P. mannarensis* James, since it is the only species of the genus from Gulf of Mannar.
1988. *Psolus* sp. James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*. **1** : 405. Tamil Nadu : Gulf of Mannar Marine National Park.

Family PHYLLOPHORIDAE

70. *Actinocucumis typicus* Ludwig

1875. *Actinocucumis typica* Ludwig, *Arb. Zool. Zoot. Inst. Worzburg*, **2**(2) : 91.
1889. *Actinocucumis typicus* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1889** : 7. Tamil Nadu : Gulf of Mannar (Palk Bay).
1895. *Actinocucumis difficilis* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3**(II) : 115. Tamil Nadu : Gulf of Mannar (Pamban).
1927. *Actinocucumis typicus* : Gravely, F.H. *Bull. Madras Govt. Mus. (Nat. Hist.)*, **1**(1) : 167. Tamil Nadu : Gulf of Mannar.
1962. *Actinocucumis typica* : Sane, S.R. and Chhapgar, B.F. *J. Bombay nat. Hist. Soc.*, **59**(2) : 673. Maharashtra : Bombay.
1969. *Actinocucumis typicus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 60. Tamil Nadu : Gulf of Mannar (Pamban, Mandapam); Gujarat : Gulf of Kachchh (Port Okha).

1971. *Actinocucumis typicus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 182-183 (distribution).
1976. *Actinocucumis typicus* : Satyamurti, S.T. *Bull. Madras Govt. Mus. (Nat. Hist)*, No. 7(3) : 33. Tamil Nadu : Gulf of Mannar (Pamban).
1985. *Actinocucumis typicus* : James, D.B. In : P.S.B.R. James (ed.), *Recent Advances in Marine Biology*, p. 586. Tamil Nadu : Gulf of Mannar; Andamans; Nicobars.
1985. *Actinocucumis typicus* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January 1985*, Paper No., 54 (Mimeo) : 6. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Actinocucumis typicus* : James, D.B. *J. mar. biol. Ass. India*, 26(1984) : 117. Gujarat : Gulf of Kachchh (Port Okha); Maharashtra : Ratnagiri; Tamil Nadu : Gulf of Mannar (Mandapam). All from intertidal region.
1988. *Actinocucumis typicus* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. 1 : 405. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Actinocucumis typicus* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, 85(1) : 10. Tamil Nadu : Gulf of Mannar (Pamban).
1988. *Actinocucumis typicus* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, 85(1) : 14. Gujarat : Gulf of Kachchh; Maharashtra : Bombay; Tamil Nadu : Gulf of Mannar (Krusadai, Mandapam, Pamban, Rameswaram).
2004. *Actinocucumis typicus* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat*, Part 2 : 200. Gujarat : Gulf of Kachchh (Okha, Pirotan Island).
2005. *Actinocucumis typicus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 117. Andaman and Nicobar Islands.

Material : Andhra Pradesh : Visakhapatnam coast, K.A. Sai.

71. *Afrocucumis africana* (Semper)

1868. *Cucumaria africana* Semper, C. *Reisen im Archipel der Philippinen*, 2. *Wiss. Resul.*, 2(1) : 153.
1886. *Cucumaria assimilis* Bell, F.J. *J. Linn. Soc. (Zool.)*, 20 : 27. Myanmar : Mergui Archipelago.
1969. *Afrocucumis africana* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 60. South Andamans : Port Blair, Lakshadweep : Minicoy.
1971. *Afrocucumis africana* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 182-183 (distribution).
1983. *Afrocucumis africana* : Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, 81 : 312. Lakshadweep.
1983. *Afrocucumis africana* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 92. South Andamans : Port Blair, intertidal.
1987. *Afrocucumis africana* : James, D.B. *J. mar. biol. Ass. India*, 26(1984) : 118. Lakshadweep : Minicoy, littoral; South Andamans : Port Blair, intertidal.
1991. *Afrocucumis africana* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 409. Lakshadweep : Minicoy. Bay of Bengal.

2004. *Afrocucumis africana* : Sastry, D.R.K., et al. *Rec. zool. Surv. India*, **103**(1-2) : 64. Nicobars : Great Nicobar Island.
2005. *Afrocucumis africana* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 117. Andaman and Nicobar Islands.

72. *Oshimella ehrenbergi* (Selenka)

1971. *Oshimella ehrenbergi* (Selenka, E. 1868. *Z. wiss. Zool.*, **18** : 109-118) : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms* : 182-183 (distribution).
2004. *Oshimella ehrenbergi* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat, Part 2* : 200. Gujarat: Gulf of Kachchh (Pirotan Island).

73. *Phyllophorus celer* Koehler, R. and Vaney, C.

1908. *Phyllophorus celer* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part IV* : 27. Maharashtra : Investigator St. 242. Off Ratnagiri, 17° 27' N 71° 41' E, 102-106m (56-58 fms.): Nicobars : Katchal Island.
2005. *Phyllophorus celer* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 117. Nicobar Islands.

74. *Phyllophorus intermedius* Koehler, R. and Vaney, C.

1908. *Phyllophorus intermedius* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part IV* : 25. Kerala : S of Thiruvananthapuram, 8° 23' N 76° 28' E, 187m (102 fms.).
1983. *Phyllophorus intermedius* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 312. Lakshadweep (actually S of Thiruvananthapuram of Kerala).

75. *Phyllophorus (Phyllophorella) parvipedes* H.L. Clark

1938. *Phyllophorus parvipedes* H.L. Clark. *Mem. Mus. comp. Zool. Harv.*, **55** : 489.
1967. *Phyllophorus (Phyllophorella) parvipedes* : James, D.B. *J. mar. biol. Ass. India*, **7**(2) : 325 (1965). Tamil Nadu : Gulf of Mannar (Vedalai, 9° 15' N 79° 07' E).
1969. *Phyllophorus (Phyllophorella) parvipedes* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 60. Tamil Nadu : Gulf of Mannar (Vedalai).
1971. *Phyllophorus (Phyllophorella) parvipedes* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 184-185 (distribution).
1985. *Phyllophorus (Phyllophorella) parvipedes* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January 1985, Paper No.*, **54** (Mimeo) : 6. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Phyllophorus (Phyllophorella) parvipedes* : James, D.B. *J. mar. biol. Ass.*, **25**(1-2) : 102 (1983). Tamil Nadu : Chennai.
1987. *Phyllophorus (Phyllophorella) parvipedes* : James, D.B. *J. mar. biol. Ass. India*, **26**(1984) : 119. Tamil Nadu : Chennai. 20 m: Gulf of Mannar (Mandapam, 2 m).

1988. *Phyllophorus (Phyllophorella) parvipedes* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985, **1** : 405. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Phyllophorus (Phyllophorella) pervipedes* (sic !) : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 14. Tamil Nadu : Gulf of Mannar (Vedalai).

75a. *Phyllophorus (Phyllophorella)* sp.

Material : Andhra Pradesh : Visakhapatnam coast, K.A. Sai.

76. *Phyllophorus (Phyllothuria) cebuensis* (Semper)

1971. *Phyllophorus (Phyllothuria) cebuensis* (Semper, E. Z. wiss. Zool., **18** : 109-118) : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 184-185 (distribution).
1988. *Phyllophorus (Phyllothuria) cebuensis* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 14. Tamil Nadu : Gulf of Mannar.

77. *Phyllophorus (Urodemella) brocki* Ludwig

1888. *Phyllophorus brocki* Ludwig, H. *Zool. Jb. (Syst.)*, **3** : 805-820.
1971. *Phyllophorus (Urodemella) brocki* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 184-185 (distribution).
1987. *Phyllophorus (Urodemella) brocki* : James, D.B. *J. mar. biol. Ass.*, **25**(1983) : 102. Tamil Nadu : Chennai.

78. *Phyrella fragilis* (Ohshima)

1912. *Phyllophorus fragilis* Ohshima, H. *Annates Zool. Jap.*, **8**(1) : 81.
1971. *Phyrella fragilis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 184-185 (distribution).
1983. *Phyrella fragilis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 92. South Andamans : Port Blair.
1986. *Phyrella fragilis* : James, D.B. *J. Andaman Assoc.*, **2**(1) : 37. South Andamans : Port Blair, intertidal.
1987. *Phyrella fragilis* : James, D.B. *J. mar. biol. Ass. India*, **26**(1984) : 119. South Andamans : Port Blair, intertidal.
1991. *Phyrella fragilis* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 413. Lakshadweep : Amini, Agatti, Androth, Chetlat: Andamans.
2005. *Phyrella fragilis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 118. Andaman Islands.

79. *Pseudocucumis acicula* (Semper)

1887. *Pseudocucumis acicula* : Bell F.J. *Proc. zool. Soc. Lond.*, **1887** : 140, 144. Andamans.
1983. *Pseudocucumis acicula* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. Andamans.

- 2005.** *Pseudocucumis acicula* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 118. Andaman Islands.

Family CUCUMARIIDAE

80. *Aslia forbesi* (Bell)

- 1887.** *Cucumaria forbesi* Bell, F.J. *Holothurians of Mergui Archipelago*, p. 26. Myanmar : Mergui Archipelago.
- 1908.** *Cucumaria forbesi* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part IV* : 29. Pakistan : Karachi.
- 1971.** *Aslia forbesi* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 180-181 (distribution).
- 2005.** *Aslia forbesi* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 116. South Andaman Islands (Ritchie's Archipelago-Havelock Island).

81. ?*Athyone* sp.

- 1962.** *Athyone* sp. Sane, S.R. and Chhapgar, B.F. *J. Bombay nat. Hist. Soc.*, **59**(2) : 673. Maharashtra : Bombay. No species of the genus has been reported from Indian region.

82. *Cladolabes acicula* (Semper)

- 1983.** *Cladolabes acicula* (Semper) : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 520. Andaman and Nicobar Islands.
- 2005.** *Cladolabes acicula* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 116. Andaman and Nicobar Islands.

83. *Cucumaria ardens* Koehler, R. and Vaney, C.

- 1908.** *Cucumaria ardens* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part IV* : 31. Orissa : Orissa Coast, 46 m (25 fms.).

84. *Cucumaria ariana* Koehler, R. and Vaney, C.

- 1908.** *Cucumaria ariana* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part IV* : 33. Kerala : Off Kozhikode, 11° 14' 30'' N 74° 57' 15'' E, 29-88 m (16-48 fms.).
- 1983.** *Cucumaria ariana* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 312. Lakshadweep (nearer to Kerala coast).

85. *Cucumaria frauenfeldi* Ludwig. H.

- 1971.** *Cucumaria frauenfeldi* Ludwig, 1882 : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 192-193 (distribution).
- 1988.** *Cucumaria frauenfeldi* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 14. Tamil Nadu : Gulf of Mannar (Krusadai).

86. *Cucumaria inflexa* Koehler. R. and Vaney. C.

1908. *Cucumaria inflexa* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 35. Orissa : Ganjam Coast, 170 m (93 fms.).

87. *Cucumaria turbinata* (Hutton)

1988. *Cucumaria turbinata* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 13. Tamil Nadu : Gulf of Mannar.

87a. *Cucumaria* sp.

Material : Andhra Pradesh : Visakhapatnam coast. K.A. Sai.

88. *Havelockia versicolor* (Semper)

1868. *Thyone versicolor* Semper, C. *Reisen im Archipel der Philippinen.*, **2** : 14.
1908. *Havelockia herdmanni* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 25. Sri Lanka
1969. *Thyone herdmanni* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 60. Tamil Nadu : Gulf of Mannar (Mandapam).
1971. *Havelockia versicolor* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 180-181 (distribution).
1976. *Thyone mirabilis* : Satyamurti, S.T. *Bull. Madras Govt. Mus. (Nat. Hist.)*, **7**(3) : 32. Tamil Nadu : Gulf of Mannar (Palk Bay-Rameswaram).
1979. *Havelockia versicolor* : James, D.B. *J. mar. biol. Ass. India*, **18**(1976) : 55. Tamil Nadu : Gulf of Mannar (Mandapam).
1983. *Havelockia herdmanni* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92 Andamans.
1985. *Havelockia versicolor* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January 1985*, Paper No., **54** (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Havelockia versicolor* : James, D.B. *J. mar. biol. Ass. India*, **26**(1984) : 117. Tamil Nadu : Gulf of Mannar (Mandapam, 2 m; Pamban).
1988. *Havelockia versicolor* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*, **1** : 405. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Havelockia herdmanni* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 14. Tamil Nadu : Gulf of Mannar (Adam's Bridge, Mandapam).
2005. *Havelockia versicolor* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 116. Andaman Islands.

Material : Andhra Pradesh : Visakhapatnam coast. K.A. Sai.

89. *Hemithyone semperi* (Bell)

1884. *Cucumaria semperi* Bell, F.J. *Report on the Zoological Collections made in the Indo-Pacific Ocean during the voyage of H.M.S. 'Alert' 1881-82*, p.147.
1889. *Cucumaria semperi* Bell, F.J. *Proc. zool. Soc. Lond.*, **1889** : 7. Tamil Nadu : Gulf of Mannar (Palk Bay).
1895. *Cucumaria semperi* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3(II)** : 115. Tamil Nadu : Gulf of Mannar (Pamban).
1908. *Cucumaria pigra* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part IV* 38. Pakistan : Karachi.
1969. *Hemithyone semperi* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 60. Tamil Nadu : Gulf of Mannar (Mandapam, Pamban).
1971. *Hemithyone semperi* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 180-181 (distribution).
1985. *Hemithyone semperi* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January 1985*, Paper No., **54** (Mimeo) : 5. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Hemithyone semperi* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985, **1** : 405. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Hemithyone semperi* : James, D.B. *J. mar. biol. Ass. India*, **26**(1984): 115. Tamil Nadu : Gulf of Mannar (Pamban).
1988. *Hemithyone semperi* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 13. Tamil Nadu : Gulf of Mannar (Pamban, Rameswaram).

90. *Leptopentacta bacilliformis* (Koehler, R. and Vaney, C.)

1908. *Cucumaria bacilliformis* Koehler, R. and Vaney, C. *C. r. Ass. fr. Avanc. Sci.*, **36**(2) : 723.
1908. *Cucumaria bacilliformis* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part IV* : 34. Andamans, 15-37 m (8-20 fms.).
1971. *Leptopentacta bacilliformis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 180-181 (distribution).
1983. *Cucumaria bacilliformis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. Andamans, 14-36 m.
1983. *Leptopentacta bacilliformis* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 520. Andaman and Nicobar Islands.
2005. *Leptopentacta bacilliformis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 116. Andaman Islands.

91. *Leptopentacta imbricata* (Semper)

1868. *Cucumaria imbricata* Semper, C. *Reisen Archip. Philipp. 2. Wiss. Result.*
1908. *Cucumaria imbricata* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part IV* : 29. Orissa : Ganjam Coast, 13-170 m (7-93 fms.); Andhra Pradesh : Visakhapatnam Coast, 16-14 m (9-7 ½ fms.); Tamil Nadu : Madras Coast, 27-31 m (15-17 fms.).

1971. *Trachythyone imbricata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 182-183 (distribution).
1971. *Leptopentacta javanicus* : Clark, A.M. and Rowe, F.W. E. *Monograph of shallow-water Indo-West Pacific echinoderms*, Pl. 29, fig. 5 [non: Sluiter].
1988. *Trachythyone imbricata* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 14. Orissa : Ganjam Coast; Tamil Nadu : Gulf of Mannar (Pearl Bank).
1985. *Leptopentacta imbricata* : Price, A.R.G. and Reid, C.E. *Bull. Br. Mus. nat. Hist. (Zool.)*, **48**(1) : 6. Kerala : Bepur (Kozhikode Dt.).

92. *Leptopentacta javanicus* (Sluiter)

1880. *Oncus javanicus* Sluiter, C.P. *Tijdschr. Ned-Indie*, **40** : 9.
1969. *Leptopentacta typica* (Théel) : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 60. [non : Théel, H. 1886]. Kerala : Neendakara, near Kochi.
1985. *Leptopentacta javanicus* : James, D.B. In : P.S.B.R. James (ed.), *Recent Advances in Marine Biology*, p. 580. Lakshadweep [= *Leptopentacta imbricata*].
1987. *Leptopentacta javanicus* : James, D.B. *J. mar. biol. Ass. India*, **26**(1984) : 112. Kerala : Neendakara; Tamil Nadu : Gulf of Mannar (Pamban) [= *Leptopentacta imbricata*].

Material : Andhra Pradesh : Visakhapatnam coast. K.A. Sai.

93. *Pentacta quadrangularis* (Troschel)

1846. *Colochirus quadrangularis* Troschel, F.H. *Archiv für Naturgeschichte*, **1** : 64. [non : *Holothuria quadrangularis* Lesson, R.P. *Centurie zoologique ou choix d'animaux rares, nouveaux ou imparfaitement connues*. 1830 : 90].
1889. *Colochirus quadrangularis* : Bell, F.J. *proc. zool. Soc. Lond.*, **1889** : 7. Tamil Nadu : Gulf of Mannar.
1895. *Colochirus quadrangularis* : Thurston, E. *Madras Govt. Mus. Bull. No.*, **3**(II) : 115. Tamil Nadu : Gulf of Mannar (Tuticorin).
1969. *Pentacta quadrangularis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 60. Tamil Nadu : Gulf of Mannar (Vedalai).
1978. *Pentacta quadrangularis* : Satyamurti, S.T. *Bull. Madras Govt. Mus.*, **7**(3) : 36. Tamil Nadu : Gulf of Mannar (Tuticorin).
1985. *Pentacta quadrangularis* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January 1985*, Paper No., **54** (Mimeo) : 6. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Pentacta quadrangularis* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*, **1** : 405. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Pentacta quadrangularis* : James, D.B. *J. mar. biol. Ass. India*, **26**(1984) : 113. Tamil Nadu : Gulf of Mannar (Vedalai, 2-4 m).
1988. *Pentacta quadrangularis* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 13. Tamil Nadu : Gulf of Mannar (Tuticorin, Vedalai).

94. *Pseudocnus echinatus* (von Marenzeller)

1882. *Cucumaria echinata* von Marenzeller. E. *Verh. zool.-bot. Ges. Wien*, p. 31.
1908. *Cucumaria echinata* : Koehler. R. and Vancy. C. *Echinoderma of the Indian Museum*, Part IV : 29. Orissa Coast. 15 m (8 fms.).
1971. *Pseudocnus echinatus* : Clark. A.M. and Rowe. F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 182-183 (distribution).

Material : Andhra Pradesh : Visakhapatnam coast, K.A. Sai.

94a. ?*Pseudocolochirus tricolor* (Sluiter)

1971. *Pseudocolochirus tricolor* : Clark. A.M. and Rowe. F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 180-181 (distribution).
1988. *Pseudocolochirus tricolor* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 14. Tamil Nadu / ?Sri Lanka : Gulf of Mannar (Donnan's Par).

Remark : The exact location of Doman's Par in the Gulf of Mannar may fall under Sri Lanka.

95. *Pseudocolochirus violaceus* (Théel)

1882. *Colochirus violaceus* Théel. H. *Rep. scient. Results Voy. 'Challenger' (Zool.)*, **4** : 78.
1908. *Colochirus violaceus* : Koehler. R. and Vancy. C. *Echinoderma of the Indian Museum*, Part IV : 24. Orissa : South of Ganjam.
1969. *Pseudocolochirus violaceus* : James. D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 60. Tamil Nadu : Gulf of Mannar (Pamban. Mandapam); Andhra Pradesh : Off Kalingapatnam. 19° 51' N 84° 50' E; Orissa : Ganjam Coast.
1971. *Pseudocolochirus violaceus* : Clark. A.M. and Rowe. F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 180-181 (distribution).
1979. *Pseudocolochirus violaceus* : James. D.B. *J. mar. biol. Ass. India*, **18**(1976) : 59. Tamil Nadu : Gulf of Mannar (Mandapam); Andhra Pradesh : Kalingapatnam (19° 15' N 84° 50' E, 20-34 m); Orissa : Ganjam Coast (from the collection of Indian Museum, ZEV 3521-3524/7).
1985. *Pseudocolochirus violaceus* : James. D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January 1985*, Paper No., **54** (Mimco) : 6. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Pseudocolochirus violaceus* : James. D.B. *J. mar. biol. Ass. India*, **26**(1984) : 114.; Tamil Nadu : Gulf of Mannar (Mandapam, 15 m); Andhra Pradesh : Kalingapatnam, 20m; Orissa : Ganjam Coast, 34 m.
1988. *Pseudocolochirus violaceus* : James. D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*, **1** : 405. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Pseudocolochirus violaceus* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 14. Tamil Nadu : Gulf of Mannar (Mandapam, Pamban); Orissa : Ganjam Coast.

96. *Stolus buccalis* (Stimpson)

1855. *Thyone buccalis* Stimpson, W. *Proc. Acad. Nat. Sci. Philad.*, **7**(10) : 386.
1867. *Stolus sacellus* Selenka, E. *Z. wiss. Zool.*, **17** : 355.
1886. *Thyone sacellus* : Bell, F.J. *J. Linn. Soc. (Zool.)*, **20** : 27. Myanmar : Mergui Archipelago.
1927. *Thyone sacellus* : Gravely, F.H. *Bull. Madras Govt. Mus. (Nat. Hist)*, **1**(1) : 166. Tamil Nadu : Gulf of Mannar (Pamban).
1941. *Thyone sacellus* : Gravely, F.H. *Bull. Madras Govt. Mus. New Series (Nat. Hist. Section)*, **V**(1) : 91, 106. Tamil Nadu : Chennai.
1968. *Stolus buccalis* : James, D.B. *J. mar. biol. Ass. India*, **8**(2) : 285 (1966) Tamil Nadu : Gulf of Mannar (Mandapam, 9° 15' N 79° 09' E; Palk Bay- Rameswaram, 9° 17' N 79° 22' E).
1969. *Stolus buccalis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 60. Tamil Nadu : Gulf of Mannar (Mandapam, Rameswaram).
1971. *Stolus buccalis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 182-183 (distribution).
1976. *Stolus buccalis* : Satyamurti, S.T. *Bull. Madras Govt. Mus. (Nat. Hist)*, **7**(3) : 28. Tamil Nadu : Gulf of Mannar (Pamban, Palk Bay-Rameswaram).
1985. *Stolus buccalis* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January 1985*, Paper No., **54** (Mimco) : 6. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Stolus buccalis* : James, D.B. *J. mar. biol. Ass.* **25**(1983) : 102. Tamil Nadu : Chennai.
1987. *Stolus buccalis* : James, D.B. *J. mar. biol. Ass. India*, **26**(1984) : 116. Maharashtra : Ratnagiri, less than 1m; Tamil Nadu : Gulf of Mannar (Mandapam, less than 1 m; Palk Bay-Rameswaram, less than 1 m).
1988. *Stolus buccalis* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985*, **1** : 405. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Stolus buccalis* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 13. Tamil Nadu : Gulf of Mannar (Krusadai, Mandapam, Palk Bay, Rameswaram).
2004. *Stolus buccalis* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat, Part 2* : 200. Gujarat : Gulf of Kachchh.

Material : Andhra Pradesh : Visakhapatnam coast. K.A. Sai.

97. *Stolus conjugens* (Semper)

1962. *Thyone conjugens* : Sane, S.R. and Chhapgar, B.F. *J. Bombay nat. Hist. Soc.*, **59**(2) : 673. Maharashtra : Bombay.
1971. *Stolus conjugens* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 182-183 (distribution).
1987. *Stolus conjugens* (sic !) : James, D.B. *J. mar. biol. Ass. India*, **26**(1984) : 116. Tamil Nadu : Gulf of Mannar (Pamban).
1988. *Stolus conjugans* (sic !) : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 13. Maharashtra : Bombay; Tamil Nadu : Gulf of Mannar (Pearl Bank)

- 2004. *Stolus conjungens* :** Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat, Part 2* : 200. Gujarat : Veraval

98. *Stolus rapax* (Koehler, R. and Vaney, C.)

- 1908. *Cucumaria rapax*** Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part IV* : 39. West Bengal : Mouth of Hugli River.
- 1971. *Stolus rapax* :** Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 182-183 (distribution).
- 1987. *Stolus* sp.** James, D.B. *J. mar. biol. Ass. India*, **26**(1984) : 116. Tamil Nadu : Gulf of Mannar (Pamban, intertidal).
- 1998. *Stolus rapax* :** Sastry, D.R.K. *State Fauna Series 3 : Fauna of West Bengal, Part 10* : 483. West Bengal : Mouth of Hugli River (Type Locality).

99. *Thorsonia investigatoris* (Koehler, R. and Vaney, C.)

- 1908. *Cucumaria investigatoris*** Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part IV* : 36. West Bengal : Mouth of Hugli River.
- 1971. *Thorsonia investigatoris* :** Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 182-183 (distribution).
- 1998. *Thorsonia investigatoris* :** Sastry, D.R.K. *State Fauna Series 3 : Fauna of West Bengal, Part 10* : 484. West Bengal : Mouth of Hugli River, Digha.

100. *Thyone dura* Koehler, R. and Vaney, C.

- 1908. *Thyone dura*** Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part IV* : 40. South of Gujarat : 20° 37' 15'' N 69° 24' 20'' E, 80 m (44 fms.).
- 1962. ?*Thyone* sp.** Sane, S.R. and Chhapgar, B.F. *J. Bombay nat. Hist. Soc.*, **59**(2) : 673. Maharashtra : Bombay. Only *T. dura* was reported from the adjacent Gujarat coast.
- 1971. *Thyone dura* :** Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 182-183 (distribution).
- 1983. *Thyone dura* :** James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92. Andaman Sea, 80 m.
- 2005. *Thyone dura* :** Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 117. Andaman Islands.

101. *Thyone papuensis* Théel

- 1886. *Thyone fuscus* var. *papuensis*** Théel, H.H. *Rep. scient. Results Voy. "Challenger"* (Zool.), **39**
- 1971. *Thyone papuensis* :** Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 182-183 (distribution).
- 1988. *Thyone papuensis* :** Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 14. Tamil Nadu : Gulf of Mannar.

102. *Trachythyone alcocki* (Koehler, R. and Vaney, C.)

1908. *Cucumaria alcocki* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 29 Andamans.
1971. *Trachythyone alcocki* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 182-183 (distribution).
1983. *Cucumaria alcocki* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 92. Andamans.
1983. *Trachythyone alcocki* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, 80 : 520.
2005. *Trachythyone alcocki* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 117. Andaman and Nicobar Islands.

Order DACTYLOCHIROTIDA
Family YPSILOTHURIIDAE

103. *Ypsilothuria bitentaculata* (Ludwig)

1894. *Sphaerothuria bitentaculata* Ludwig, H. *Mem. Mus. comp. Zool. Harv.*, XVII(3) : 141.
1905. *Ypsilothuria bitentaculata* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 86. Karnataka : *Investigator* St. 177. Off Karnataka, 13° 47' 49'' N 73° 07' E, 1163 m (636 fms.); Lakshadweep : Lakshadweep, 1650 m (902 fms.); *Investigator* St. 127. Off Minicoy Island, 2195 m (1200 fms.); Kerala : *Investigator* St. 230. S of Thiruvananthapuram, 7° 40' N 76° 08' 52'' E, 1507 m (824 fms.); *Investigator* St. 269. S of Thiruvananthapuram, 8° 02' N 76° 30' E, 849 m (464 fms.); *Investigator* St. 275. SW of Thiruvananthapuram, 8° 26' N 75° 35' E, 313-240 m (171-131 fms.); *Investigator* St. 276. S of Thiruvananthapuram, 7° 11' N 76° 35' 30'' E, 1840 m (1006 fms.); Andamans : *Investigator* St. 113. Off North Andaman, 12° 59' N 93° 23' 10'' E, 1249 m (683 fms.); St. 234. Off North Andaman, 13° 50' 30'' N 93° 26' E, 911 m (498 fms.); *Investigator* St. 254. South Andamans, West of Little Andaman, 11° 16' 30'' N 92° 58' E, 1223 m (669 fms.); Andaman and Nicobar Islands (10-Degree Channel) : *Investigator* St. 241. SW of Little Andaman and NW of Car Nicobar, 10° 12' N 92° 20' 30'' E, 1108 m (606 fms.).
2005. *Ypsilothuria bitentaculata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 118: Andaman and Nicobar Islands.

Order ELASIPODIDA
Family DEIMATIDAE

104. *Amphideima investigatoris* Koehler, R. and Vaney, C.

1891. *Oneirophanta mutabilis* : Walsh, J.H. Tull, J. *Asiat. Soc. Bengal*, 60 (Part II, no. 2) : 197. [non : Théel, H. 1882 : 62]. South Andamans : N. Sentinel Island bearing N 15° W 18 miles, 457 m (250 fms.).
1905. *Amphideima investigatoris* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 59. Andamans.
2005. *Amphideima investigatoris* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, 233 : 118. Andaman Islands.

105. *Deima blakei* Théel

1886. *Deima blakei* Théel, H. *Bull. Mus. comp. Zool. Harv.*, **XIII** : Pl I figs 1, 2.
1905. *Deima blakei* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 55. Lakshadweep : 1609 m (880 fms.); *Investigator* St. 104. Lakshadweep, 11° 12' 47'' N 74° 25' 30'' E, 1829 m (1000 fms.); Bay of Bengal : *Investigator* St. 117. 11° 58' N 88° 52' 17'' E, 3197 m (1748 fms.); South Andamans : *Investigator* St. 254. East of Little Andaman, 11° 16' 30'' 92° 58' E, 1223 m (669 fms.).
2005. *Deima blakei* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 118. Andaman Islands.

106. *Deima validum* Théel

1882. *Deima validum* Théel, H. *Rep. Sci. Res. Challenger (Zool.)*, **IV** : 68.
1891. *Deima validum* : Walsh, J.H. Tull, *J. Asiat. Soc. Beng.*, **60** (Part II, no. 2) : 198. West of South Andamans, 11° 15' N 91° 16' E, 3365 m (1840 fms.).
1983. *Deima validum* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 522. Andaman and Nicobar Islands.
2005. *Deima validum* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 118. Andaman and Nicobar Islands.

107. *Oneiriphanta conservata* Koehler, R. and Vaney, C.

1905. *Oneiriphanta conservata* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 57. Kerala : *Investigator* St. 150. Lakshadweep Sea SW of Thiruvananthapuram, 7° 05' 45'' N 75° 04' E, 131 m (719).

108. *Orphnurgus glaber* Walsh

1891. *Orphnurgus asper* var. *glaber* Walsh, J.H. Tull, *J. Asiat. Soc. Bengal*, **60** (Part II, no. 2) : 198. North Andamans : *Investigator* St. 112. West of North Andaman Islands, 13° 47' 30'' N 92° 36' E, 1026 m (561 fms).
1905. *Orphnurgus glaber* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 60. Bay of Bengal.
1983. *Orphnurgus glaber* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 522. Andaman and Nicobar Islands.
2005. *Orphnurgus glober* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 119. Andaman and Nicobar Islands.

109. *Orphnurgus invalidus* Koehler, R. and Vaney, C.

1905. *Orphnurgus invalidus* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 62. Tamil Nadu : *Investigator* St. 279. SE of Cuddalore, 11° 35' 15'' N 80° 02' 15'' E, 549 m (300 fms.).

Family LAETMOGONIIDAE
110. *Apodogaster alcocki* Walsh

1901. *Apodogaster alcocki* Walsh, J.H. Tull, *J. Asiat. Soc. Beng.*, **LX** (Part II, no. 2) : 202. North Andamans : *Investigator* Station 112. Andaman Sea, off N Andaman Island, 13° 47' 30'' N 92° 36' E, 1026 m (561 fms.).
1905. *Apodogaster alcocki* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 66. Andamans : *Investigator* St. 112. West of North Andaman, 13° 47' 30'' N 92° 36' E, 1026 m (561 fms.).
1983. *Apodogaster alcocki* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 521. Andaman and Nicobar Islands.
2005. *Apodogaster alcocki* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 119. Andaman Islands.

111. *Laetmogone spongiosa* Théel

1882. *Laetmogone spongiosa* Théel, H. *Rep. scient. Results Voy. 'Challenger, (Zool.)*, **IV** : 80.
1891. *Laetmogone spongiosa* : Walsh, J.H. Tull, *J. Asiat. Soc. Beng.*, **60** (Part II, no. 2) : 200. Andaman and Nicobar Islands : 10-Degree Channel, 10° N 91° 07' E, 3523 m (1924 fms.).

112. *Laetmogone violacea* Théel

1882. *Laetmogone violacea* Théel, H. *Rep. "Challenger"* **IV** : 78.
1905. *Laetmogone violacea* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 64 *Investigator* St. 150. Kerala : SW of Thiruvananthapuram, 7° 05' 45'' N 75° 04' E, 1315 m (719 fms.).

Family PSYCHROPOTIDAE
113. *Benthodytes glutinosa* Perrier

1902. *Benthodytes glutonisa* Perrier, E.R. *Holothuries Exped. Scient. Du "Travailleur" et du "Talisman"*, p. 462.
1891. *Benthodytes sanguinolenta* : Walsh, J.H. Tull, *J. Asiat. Soc. Bengal*, **LX** (Part II) : 200. [non : Théel]. Bay of Bengal : *Investigator* St. 118. 12° 20' N 85° 08' E, 3297 m (1803 fms.).
1905. *Benthodytes glutonisa* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 72. Andamans : *Investigator* St. 111. Off West coast of North and Middle Andamans, 12° 50' N 90° 52' E, 3007 m (1644 fms.).
1983. *Benthodytes sanguinolenta* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 520, 522. Andaman and Nicobar Islands.
2005. *Benthodytes glutonisa* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 119. Andaman Islands.

114. *Benthodytes typica* Théel

- 1983.** *Benthodytes typica* (Théel) : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 522. Andaman and Nicobar Islands.
- 2005.** *Benthodytes typica* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 119. Andaman and Nicobar Islands.

115. *Filithuria elegans* Koehler, R. and Vaney, C.

- 1905.** *Filithuria elegans* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 81. South Andamans : Investigator St. 116. Off Little Andaman, 11° 25' 05'' N 92° 47' 06'' E, 741 m (405 fms.).
- 1983.** *Filithuria elegans* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 522. Andaman and Nicobar Islands.
- 2005.** *Filithuria elegans* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 119. Andaman Islands.

116. *Psychropotes minutus* Koehler, R. and Vaney, C.

- 1905.** *Psychropotes minutus* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 76. Lakshadweep : 2085 m (1140 fms.).

Family PELAGOTHURIIDAE

117. *Euriplastes obscura* Koehler, R. and Vaney, C.

- 1905.** *Euriplastes obscura* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, part **III** : 71. Investigator St. 118. Bay of Bengal, 12° 20' N 85° 08' E, 3297 m (1803 fms.).
- 1905.** *Filithuria elegans* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, part **III** : 81. Andamans : Investigator St. 116. Off South Andamans, 11° 25' 05'' N 92° 47' 06'' E, 741 m (405 fms.).
- 1983.** *Euriplastes obscura* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 522. Andaman and Nicobar Islands.
- 2005.** *Euriplastes obscura* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 120. Andaman Islands.

Order APODIDA

Family SYNAPTIDAE

118. *Anapta gracilis* Semper

- 1868.** *Anapta gracilis* Semper, C. *Reisen im Archipel der Philippinen.*, **2** : 17.
- 1962.** *Anapta gracilis* ? : Sane, S.R. and Chhapgar, B.F. *J. Bombay nat. Hist. Soc.*, **59**(2) : 673. Maharashtra : Bombay.
- 1971.** *Anapta gracilis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 184-185 (distribution).

1987. *Anapta gracilis* : James, D.B. *J. mar. biol. Ass. India*, **24**(1982) : 96. Maharashtra : Ratnagiri (intertidal); Andhra Pradesh : Machilipatnam (stake net).

119. *Chondrocloea baselli* (Jäger)

1908. *Chondrocloea baselli* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 46. Lakshadweep; South Andamans : Ritchie's Archipelago (Inglis Island).

120. *Euapta godeffroyi* (Semper)

1868. *Synapta godeffroyi* Semper, C. *Reisen im Archipel der Philippinen*, 2. *Weiss. Resul.*, **2**(1) : 231.
 1969. *Euapta godeffroyi* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 62. Lakshadweep : Minicoy.
 1971. *Euapta godeffroyi* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 184-185 (distribution).
 1983. *Euapta godeffroyi* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 312. Lakshadweep.
 1987. *Euapta godeffroyi* : James, D.B. *J. mar. biol. Ass. India*, **24**(1982) : 98. Lakshadweep : Minicoy.
 1991. *Euapta godeffroyi* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 410. Lakshadweep : Minicoy.
 2001. *Euapta godeffroyi* : Kulkarni, S., Saxena, A. and Choudhury, B.C. *J. Bombay nat. Hist. Soc.*, **98**(3) : 480. South Andamans : Labyrinth Islands (MGMNP Grub Island, 6 m and Jolly Buoy Island, 14 m).
 2005. *Euapta godeffroyi* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 207. Andaman Islands.

121. *Labidoplax* sp.

1987. *Labidoplax* sp. James, D.B. *J. mar. biol. Ass. India*, **24**(1982) : 99. Indian coast (most probably Tamil Nadu coast), a few pieces from the stomach of the fish *Nemipterus japonicus* (Bloch).

122. *Leptosynapta* sp.

1988. *Leptosynapta* sp. Rao, G.C. *J. Andaman Sci. Assoc.*, **4**(2) : 97. Nicobars : Great Nicobar Island.
 1999. *Leptosynapta* sp. Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(1) : Nicobars : Great Nicobar Island.
 2005. *Leptosynapta* sp. Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 120. Nicobar Islands.

123. *Opheodesoma grisea* (Semper)

1868. *Synapta grisea* Semper, C. *Reisen im Archipel der Philippinen*, *Weiss. Resul.*, **2**(1) : 11.
 1889. *Synapta grisea* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1889** : 388. Bay of Bengal.
 1969. *Opheodesoma grisea* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 62. Middle Andamans : Rangat Bay; Nicobars : Car Nicobar, Nancowry.

1971. *Opheodesoma grisea* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 186-187 (distribution).
1983. *Opheodesoma grisea* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. South Andamans : Port Blair, intertidal.
1983. *Opheodesoma grisea* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 521. Andaman and Nicobar Islands.
1987. *Opheodesoma grisea* : James, D.B. *J. mar. biol. Ass. India*, **24**(1982) : 97. South Andamans : Port Blair (intertidal); Nicobars : Little Nicobar (intertidal).
1991. *Opheodesoma grisea* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 410. Lakshadweep : Kiltan.
2005. *Opheodesoma grisea* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 120. Andaman and Nicobar Islands.

124. *Patinapta ooplax* (von Marenzeller)

1882. *Synapta ooplax* von Marenzeller, E. *Verh. Zool. bot. Ges. Wien*, **31** : 122.
1971. *Patinapta ooplax* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 186-187 (distribution).
1973. *Patinapta ooplax* : Rao, G.C. *Proc. Indian Acad. Sci. Sec. B.*, **77**(6) : 225. Andamans.
1983. *Patinapta ooplax* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. South Andamans : Port Blair, intertidal.
1987. *Patinapta ooplax* : James, D.B. *J. mar. biol. Ass. India*, **24**(1982) : 99. South Andamans : Port Blair.
2005. *Patinapta ooplax* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 120. Andaman Islands.

125. *Protankyra conferta* Koehler, R. and Vaney, C.

1905. *Protankyra conferta* Koehler, R. and Vaney, C. Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part III* : 105. Andhra Pradesh: *Investigator* St. 133. Off False Divi Point (Mouth of Krishna River), 15° 43' 30'' N 81° 19' 30'' E, 1240 m (678 fms.).

126. *Protankyra denticulata* Koehler, R. and Vaney, C.

1905. *Protankyra denticulata* Koehler, R. and Vaney, C. Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part III* : 105. Andhra Pradesh : *Investigator* St. 131. Off Machilipatnam, 16° 01' N 81° 25' E, 750 m (410 fms.)

127. *Protankyra errata* Koehler, R. and Vaney, C.

1891. *Ankyloderma marenzelleri* Théel : Walsh, J.H. Tull, *J. Asiat. Soc. Beng.*, **60** (Part II, No. 2) : 203. [non : *Ankyloderma marenzelleri* Théel, H. 1886 : 41]. Middle Andamans : *Investigator* St. 55. About 30 miles west of Cape Bluff, 878-914 m (480-500 fms.).
1905. *Protankyra errata* Koehler, R. and Vaney, C. Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part III* : 106. Andamans, 238-274 m (130-150 fms.).

1983. *Protankyra errata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. Andamans,

2005. *Protankyra errata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 120. Andaman Islands.

128. *Protankyra innominata* Koehler, R. and Vaney, C.

1908. *Protankyra innominata* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part IV* : 46. Andamans.

1969. *Protankyra innominata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 62. Tamil Nadu : Gulf of Mannar (Tuticorin).

1983. *Protankyra innominata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. Andamans.

2005. *Protankyra innominata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 121. Andaman Islands.

129. *Protankyra pseudodigitata* (Semper)

1971. *Protankyra pseudodigitata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 186-187 (distribution).

1988. *Protankyra pseudodigitata* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85**(1) : 15. Andamans.

130. *Protankyra similes* (Semper)

1971. *Protankyra similes* (Semper) : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 186-187 (distribution).

Material : Andhra Pradesh : Kakinada (Mouth of Godavari River), Dipti.

131. *Protankyra timida* Koehler, R. and Vaney, C.

1905. *Protankyra timida* Koehler, R. and Vaney, C. Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part III* : 108. North Andamans: St. 112. Off North Andaman, 13° 47' N 92° 36' E, 1026 m (561 fms.).

1983. *Protankyra timida* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. Andamans, 1024-1026m.

2005. *Protankyra timida* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 121. Andaman Islands.

132. *Protankyra tristis* Koehler, R. and Vaney, C.

1908. *Protankyra tristis* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum, Part IV* : 107. Andhra Pradesh : Investigator St. 97. Off Srikakulam, 18° 26' N 85° 24' E, 2396 m (1310 fms.).

133. *Protankyra tuticorensis* James

- 1985.** *Protankyra* sp. James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January 1985*, Paper No., **54** (Mimeo) : 6. Tamil Nadu : Gulf of Mannar Marine National Park.
- 1987.** *Protankyra tuticorensis* James, D.B. *J. mar. biol. Assoc.*, **24**(1982) : 96. Tamil Nadu : Gulf of Mannar (Tuticorin).
- 1988.** *Protankyra* sp. James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985. **1** : 405. Tamil Nadu : Gulf of Mannar Marine National Park.

134. *Protankyra* sp.

- 1962.** *Protankyra* sp. Sane, S.R. and Chhapgar, B.F. *J. Bombay nat. Hist. Soc.*, **59**(2) : 673. Maharashtra : Bombay.

135. *Psamothuria ganapati* Rao G.C.

- 1968.** *Psamothuria ganapati* Rao, G.C. *Proc. Indian Acad. Sci.*, **67B**(5) : 201. Andhra Pradesh : Visakhapatnam. from interstitial sand, intertidal.

136. *Synapta maculata* (Chamisso and Eysenhardt)

- 1821.** *Holothuria maculata* de Chamisso, A. and Eysenhardt, C.G. *Nova Acta Acad. Caesar. Leop. Carol.*, **10** : 325.
- 1908.** *Chondrocloea beselli* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, **IV** : 46. South Andamans : Ritchie's Archipelago (Inglis Island); Lakshadweep.
- 1969.** *Synapta maculata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 62. Lakshadweep : Minicoy; South Andamans : Port Blair.
- 1971.** *Synapta maculata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 186-187 (distribution).
- 1983.** *Synapta maculata* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 517. Lakshadweep : Minicoy; North Andamans : Sound Island; South Andamans : Port Blair; Nicobars : Car Nicobar.
- 1983.** *Synapta maculata* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 310. Lakshadweep : Kavaratti, Minicoy.
- 1983.** *Synapta maculata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. South Andamans : Port Blair, intertidal
- 1985.** *Synapta maculata* : Price, A.R.G. and Reid, C.E. *Bull. Br. Mus. nat. Hist. (Zool.)*, **48**(1) : 7. Lakshadweep : Chetlat.
- 1987.** *Synapta maculata* : James, D.B. *J. mar. biol. Ass. India*, **24**(1982) : 100. Lakshadweep : Minicoy; South Andamans : Port Blair.
- 1988.** *Synapta maculata* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85** : 10. Tamil Nadu : Gulf of Mannar (Krusadai).

1988. *Synapta maculata* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85** : 15. Lakshadweep : Minicoy; Andamans: Nicobars.
1991. *Synapta maculata* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 410. Lakshadweep : Kavaratti.
1991. *Synapta maculata* : James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 24. South Andamans : Labyrinth Islands (MGMNP-Jolly Buoy, Alexandra).
2004. *Synapta maculata* : Sastry, D.R.K. *et al. Rec. zool. Surv. India*, **103** : 65. Nicobars : Great Nicobar Island.
2005. *Synapta maculata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 121. Andaman and Nicobar Islands.

136a. *Synapta* sp.

1969. *Synapta* sp. Radhakrishna, Y. and Ganapati, P.N. *Bull. natn. Inst. India*, No., **38** : Andhra Pradesh : Kakinada Bay. Identity uncertain.

137. *Synaptula recta* (Semper)

1868. *Synapta recta* Semper, C. *Reisen im Archipel der Philippinen*, 2. *Weiss. Resul.*, **2**(1) : 14.
1888. *Synapta recta* : Bell, *Proc. zool. Soc. Lond.*, **1888** : 389. Bay of Bengal.
1927. *Synapta recta* : Gravely, F.H. *Bull. Madras Govt. Mus.*, **1** : 168. Tamil Nadu : Gulf of Mannar (Krusadai Island).
1946. *Chondrocloeia varians* Nair, R.V. *Proc. natn. Inst. Sci. India*, **12** : 361. Tamil Nadu : Chennai.
1969. *Chondrocloeia recta* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 62. Tamil Nadu : Gulf of Mannar (Mandapam).
1971. *Synaptula recta* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*. 188-189 (distribution).
1976. *Synapta recta* : Satyamurti, S.T. *Bull. Madras Govt. Mus. (Nat. Hist.)*, **7**(3) : 66. Tamil Nadu : Gulf of Mannar.
1983. *Synaptula recta* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 157. South Andamans : Port Blair.
1985. *Synaptula recta* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January 1985*. Paper No., **54** (Mimeo) : 6. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Synaptula recta* : James, D.B. *J. mar. biol. Ass. India*, **24**(1982) : 101. Tamil Nadu : Gulf of Mannar (Mandapam, Tuticorin).
1988. *Synaptula recta* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks, 1985.*, **1** : 405. Tamil Nadu : Gulf of Mannar Marine National Park.
1988. *Synaptula recta* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85** : 15. Tamil Nadu : Chennai Harbour, Gulf of Mannar (Krusadai, Mandapam, Pamban).
1991. *Synaptula recta* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 411. Lakshadweep : Kavaratti.

- 2005.** *Synaptula recta* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No., 233* : 121. Andaman and Nicobar Islands.

138. *Synaptula striata* (Sluiter)

- ~~1888.~~ *Chondrocloea striata* Sluiter, C.P. *Naturk. Tijdschr. Ned. Indie*, **47** : 216.
- 1905.** *Chondrocloea striata* : Vaneý, C. *Bull. Mus. Paris*, **1905** : 190.
- 1908.** *Chondrocloea striata* : Kochler, R. and Vaneý, C. *Echinoderma of the Indian Museum*, Part **IV** : 47. Myanmar : Mergui Archipelago.
- 1965.** *Chondrocloea striata* : Nayar, K.N. and Mahadevan, S. *J. mar. biol. Ass. India*, **7**(1) : 199. Tamil Nadu : Gulf of Mannar.
- 1969.** *Chondrocloea striata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No., 7* : 62. Gulf of Mannar (Tuticorin).
- 1971.** *Synaptula striata* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 188-189 (distribution).
- 1983.** *Synaptula striata* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 521. Andaman and Nicobar Islands
- 1987.** *Synaptula striata* : James, D.B. *J. mar. biol. Ass. India*, **24**(1982) : 102. Tamil Nadu : Gulf of Mannar (Tuticorin), 17-20 m.
- 1988.** *Synaptula striata* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, **85** : 15. Tamil Nadu : Gulf of Mannar (Tuticorin): Nicobars.
- 2005.** *Synaptula striata* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No., 233* : 122. Nicobar Islands.

Family CHIRIDOTIDAE

139. *Polycheira rufescens* (Brandt)

- 1835.** *Chirodota rufescens* Brandt, J.F. *Prodromus descriptionis animalium*, **1** : 59.
- 1887.** *Chirodota rufescens* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140. Andamans.
- 1969.** *Polycheira rufescens* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No., 7* : 62. Middle Andamans : Rangat Bay; South Andamans : Port Blair.
- 1971.** *Polycheira rufescens* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 188-189 (distribution).
- 1983.** *Polycheira rufescens* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 518. North Andamans : Port Cornwallis. Sound Island; South Andamans : Ross Island, Port Blair. Chidyatapu; Nicobars : Nancowry.
- 1983.** *Polycheira rufescens* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No., 34* : 93. South Andamans : Port Blair, intertidal.
- 1983.** *Polycheira rufescens* : Soota, T.D., Mukhopadhyay, and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 518. Andamans; Nicobars.
- 1987.** *Polycheira rufescens* : James, D.B. *J. mar. biol. Ass. India*, **24**(1982) : 93. South Middle Andamans : Rangat Bay; Andamans : Port Blair; Nicobars : Great Nicobar.

1991. *Polycheira rufescens* : Mukhopadhyay, S.K. *State Fauna Series 2 : Fauna of Lakshadweep*, p. 411. Lakshadweep : Minicoy.
1999. *Polycheira rufescens* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(1) : 93. Nicobars : Great Nicobar Island.
2005. *Polycheira rufescens* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 122. Andaman and Nicobar Islands.

140. *Trochodota havelockensis* Rao, G.C.

1975. *Trochodota havelockensis* Rao, G.C. *Curr. Sci.*, **44**(14) : 508. South Andamans : Ritchie's Archipelago (Havelock Island).
2005. *Trochodota havelockensis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 122. Andaman Islands.

Family MYRIOTROCHIDAE

141. *Ankyloclerma brevicaudatum* Koehler, R. and Vaney, C.

1905. *Ankyloclerma brevicaudatum* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 99. Andamans : St. 233. Off North Andaman. 13° 17' 15'' N 93° 10' E. 338 m (185 fms.).
1983. *Molpadia brevicaudatum* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 521. Andaman and Nicobar Islands.
2005. *Ankyloclerma brevicaudatum* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 122. Andaman Islands.

142. *Ankyloclerma contortum* Koehler, R. and Vaney, C.

1905. *Ankyloclerma contortum* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 100. Andhra Pradesh : Coast of Krishna. 1377 m (753 fms.) [St. 134. Off Krishna Delta].

143. *Ankyloclerma danielsenii* Théel

1886. *Ankyloclerma danielsenii* Théel, H. *Challenger Rep.*, **14** : 39.
1891. *Ankyloclerma danielsenii* : Walsh, J.H. Tull, *Journ. Asiat. Soc. Beng.*, **60** (Part II, no. 2) : 202. South Andamans: 7 miles SE by S of Ross Island. 485 m (265 fms.).
1983. *Ankyloclerma danielsenii* : James, D.B. *Bull. Cent. Mar. Fish. Res. Inst. No.*, **34** : 93. Andamans, 484m.
2005. *Ankyloclerma danielsenii* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 123. Andaman Islands.

144. *Ankyloclerma intermedium* Koehler, R. and Vaney, C.

1905. *Ankyloclerma intermedium* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 102 Andhra Pradesh : Coast of Krishna. 1377 m (753 fms.). [St. 134. Off Krishna Delta].

145. *Ankyloderma musculus* (Risso)

- 1826.** *Molpadia musculus* Risso, *Histoire naturelle des principales productions de l'Europe meridionale et particulièrement de celles des environs de Nice et des Alpes maritimes*, **V** : 31.
- 1905.** *Ankyloderma musculus* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 95. Goa : *Investigator* St. 145. Off Goa Coast, 15° 05' 03'' N 72° 38' 10'' E, 1273 m (696 fms.); Kerala : *Investigator* St. 230. SW of Thiruvananthapuram, 7° 40' N 76° 00' 52'' E, 1507 m (824 fms.); *Investigator* St. 231. SW of Thiruvananthapuram, 7° 34' 30'' N 76° 08' 23'' E, 1529 m (836 fms.); *Investigator* St. 261. SW of Thiruvananthapuram, 8° 10' N 76° 26' E, 814-706 m (445-386 fms.); *Investigator* St. 270. Off Kochi, 9° 47' 30' N 75° 32' E, 1077-1031 m (589-564 fms.); Andhra Pradesh : *Investigator* St. 133. SE of False Divi Point, 15° 43' 30'' N 81° 19' 30'' E, 1240 m (678 fms.); *Investigator* St. 134. Off Krishna Delta, 1377 m (753 fms.); Andamans : 485 m (265 fms.); *Investigator* St. 234. East of North Andamans, 13° 50' 30'' N 93° 26' E, 911 m (498 fms.); *Investigator* St. 254. South Andamans, Off Little Andaman, 11° 16' 30'' N 92° 58' E, 1223 m (669 fms.).
- 1905.** *Ankyloderma musculus* var. *ocutum* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 97. Karnataka : *Investigator* St. 272. W of Mangalore, 12° 41' 45'' N 73° 40' 30'' E, 1650 m (902 fms.); *Investigator* St. 273. W of Mangalore, 12° 47' N 73° 44' 45'' E, 1591-1505 m (870-823 fms.); Andhra Pradesh : *Investigator* St. 131. Off Avanigadda, 16° 01' N 81° 25' E, 750 m (410 fms.); South Andamans : *Investigator* St. 254. Off Little Andaman, 11° 16' 30'' N 92° 58' E, 1223 m (669 fms.).
- 1905.** *Ankyloderma musculus* var. *undulatum* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 99. Andamans : St. 233. East of Middle Andamans, 13° 17' 15'' N 93° 10' E, 338 m (185 fms.).
- 1983.** *Ankyloderma musculus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. Andamans, 484-1733 m.
- 1983.** *Molpadia musculus* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 521. Andaman and Nicobar Islands.
- 1983.** *Molpadia musculus* var. *ocutum* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 521. Andaman and Nicobar Islands.
- 1983.** *Molpadia musculus* var. *undulatum* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 521. Andaman and Nicobar Islands.
- 1983.** *Ankyloderma musculus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. Andamans.
- 2005.** *Ankyloderma musculus* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 123. Andaman Islands.

146. *Ankyloderma polymorphium* Koehler, R. and Vaney, C.

- 1905.** *Ankyloderma polymorphium* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : Andhra Pradesh : *Investigator* St. 102. 15° 39' N 82° 30' E, 1682-1262 m (920-690 fms.).

147. *Trochostoma albicans* Koehler, R. and Vaney, C.

- 1905.** *Trochostoma albicans* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 89. Kerala : *Investigator* St. 261. SW of Thiruvananthapuram, 8° 10' N 76° 26' E, 814-706 m (445-

386 fms.); Andhra Pradesh : *Investigator* St. 131. Off Avanigadda. 16° 01' N 81° 25' E, 750 m (410 fms.).

148. *Trochostoma andamanense* Walsh

1891. *Trochostoma andamanense* Walsh, J.H. Tull, *J. Asiat. Soc. Bengal*, **60** (Part II, no. 2) : 203. South Andamans: SE of Cinque Islands, 914 m (500 fms.).
1905. *Trochostoma andamanense* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 90. Andamans : 914 m (500 fms.); *Investigator* St. 222. Off Middle Andaman, 13° 27' N 93° 12' 30'' E, 741 m (405 fms.); *Investigator* St. 233. Off Middle Andaman, 13° 17' 15'' N 93° 10' E, 338 m (185 fms.); *Investigator* St. 234. Off Middle Andaman, 13° 50' 30'' N 93° 26' E, 911 m (498 fms.); *Investigator* St. 235. Off North Andaman, 14° 13' N 93° 40' E, 677-766 m (370-419 fms.).
1983. *Trochostoma andamanense* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93. Andaman Sea.
1983. *Molpadia andamanense* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, **80** : 521. Andaman and Nicobar Islands.
2005. *Trochostoma andamanense* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 123. Andaman Islands

149. *Trochostoma ecalcareum* Koehler, R. and Vaney, C.

1905. *Trochostoma ecalcareum* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 94. Tamil Nadu : *Investigator* St. 279. Off Parangipettai, 11° 35' 15'' N 80° 02' 15'' E, 549 m (300 fms.).

150. *Trochostoma elongatum* Koehler, R. and Vaney, C.

1905. *Trochostoma elongatum* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 92. Andamans : *Investigator* St. 114. Off North Andaman, 13° 21' N 93° 27' E, 1686 m (922 fms.).
1983. *Molpadia elongatum* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 521. Andaman and Nicobar Islands.
2005. *Trochostoma elongatum* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 123. Andaman and Nicobar Islands.

151. *Trochostoma pauperum* Koehler, R. and Vaney, C.

1905. *Trochostoma pauperum* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 93. Tamil Nadu : *Investigator* St. 280. Off Mouth of Kaveri River, 11° 29' 45'' N 80° 02' 36'' E, 816 m (446 fms.).

Order MALPADIIDA Family CAUDINIDAE

152. *Acaudina leucoprocta* Clark, H.L.

1938. *Aphelodactyla leucoprocta* Clark, H.L. *Mem. Mus. comp. Zool.*, **55** : 543.

1940. *Aphelodactyla iranica* Heding, H. *Danish Scient. Invest. Iran*, Part 2 : 124.
1969. *Acaudina iranica* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 62. Tamil Nadu : Gulf of Mannar (Tuticorin).
1971. *Acaudina leucoprocta* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 184-185 (distribution).
1984. *Aphelodactyla leucoprocta* : Liao, Y. *Studia Marina Sinica*, No. 23 : 252.
1988. *Acaudina iranica* : Mukhopadhyay, S.K. *Rec. zool. Surv. India*, 85 : 15. Tamil Nadu : Gulf of Mannar (Tuticorin).

153. *Acaudina molpadioides* (Semper)

1868. *Haplodactyla molpadioides* Semper. C. *Reisen Archip. Philipp. 2. Wiss. Resul.* : 41
1908. *Haplodactyla molpadioides* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 44. West Bengal : Sandheads (Mouth of Hugli River); Orissa : Orissa Coast, 10 m; False Point, 20° 04' 30'' N 86° 43' E, 37 m (20 fms.); Off Chilika Lake; Andhra Pradesh : Visakhapatnam Coast, 8 miles SE of Bawanpadu Beacon, 51 m (28 fms.); 15 miles SE of Ramachandrapur Hill, 37 m (20 fms.); *Investigator* St. 98, 9 miles SE of Santapalli Light House, 37 m (20 fms.); Nicobars : Nicobar Islands.
1968. *Molpadia* sp. Radha Krishna, Y. and Ganapati, P.N. *Bull. natn. Inst. India*, No. 38 : 695. Andhra Pradesh : Kakinada Bay (*Paphia* zone) [personal communication of identity from Dr. D.B. James].
1971. *Acaudina molpadioides* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 184-185 (distribution).
1983. *Acaudina molpadioides* : Soota, T.D., Mukhopadhyay, S.K. and Samantha, T.K. *Rec. zool. Surv. India*, 80 : 521. Andaman and Nicobar Islands.
1985. *Acaudina molpadioides* : James, D.B. *Symp. Endangered Marine Animals and Marine Parks, Cochin, 12-16 January 1985*, Paper No., 54 (Mimeo) : 6. Tamil Nadu : Gulf of Mannar Marine National Park.
1987. *Acaudina molpadioides* : James, D.B. *J. mar. biol. Ass.*, 25(1983) : 102. Tamil Nadu : Chennai.
1988. *Acaudina molpadioides* : James, D.B. *Proc. Symp. Endangered Animals and Marine Parks*, 1985, 1 : 405. Tamil Nadu : Gulf of Mannar Marine National Park.
1995. *Acaudina molpadioides* : Sastry, D.R.K. *Wetland Ecosystem Series 1 : Fauna of Chilika Lake*, p. 477. Orissa : Off Chilika Lake. Koehler and Vaney's record as *Haplodactyla molpadioides* is actually off Chilika Lake, not from Chilka Lake, because *Investigator* made no collections in the Chilika Lake.
1998. *Acaudina molpadioides* : Sastry, D.R.K. *State Fauna Series 3 : Fauna of West Bengal*, Part 10 : 484. West Bengal : Mouth of Hugli River.
2004. *Acaudina molpadioides* : Sastry, D.R.K. *State Fauna Series 8 : Fauna of Gujarat*, Part 2 : 200. Gujarat : Gulf of Kachchh (Pirotan Island).

Material : Andhra Pradesh : Kakinada (Mouth of Godavari River). Dipti.

154. *Paracaudina australis* (Semper)

1868. *Haplodactyla australis* Semper, C. *Reisen Archip. Philipp.* 2. *Wiss. Resul.* p. 233.
1887. *Haplodactyla andamanensis* Bell, F.J. *Proc. zool. Soc. Lond.*, **1887** : 140, 143. Andamans.
1888. *Haplodactyla australis* : Bell, F.J. *Proc. zool. Soc. Lond.*, **1888** : 385. *Haplodactyla andamanensis* is synonym of Semper's *Haplodactyla australis*. Tamil Nadu : Gulf of Mannar (Tuticorin).
1908. *Haplodactyla australis* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 44. West Bengal : Mouth of Hugli River; Andamans : Andamans, 110 m (60 fms.); South andamans : Port Blair.
1969. *Acaudina australis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 62. Tamil Nadu : Gulf of Mannar (Tuticorin).
1971. *Paracaudina australis* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 192-193 (distribution).
1983. *Paracaudina australis* : Soota, T.D., Mukhopadhyay, S.K. and Samaruha, T.K. *Rec. zool. Surv. India*, **80** : 521.
2005. *Paracaudina australis* : Sastry, D.R.K. *Rec. zool. Surv. India, Occ. Paper No.*, **233** : 124. Andaman Islands.

Other holothurians whose current status is to be ascertained

155. *Amphideima investigatoris* Koehler, R. and Vaney, C.

1905. *Amphideima investigatoris* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 59. Andamans, 452 m (250 fms.).

156. *Amphigymnas multiples* Walsh

1891. *Amphigymnas multiples* Walsh, J.H. Tull, *J. Asiat. Soc. Beng.*, **60** (Part II, no. 2) : 199. South Andamans: *Investigator* St. 115. Off Dyer Point and North Cinque Island, 11° 31' 40" N 92° 46' 06" E, 344-402 m (188-220 fms.).

157. *Bathyzona incerta* Koehler, R. and Vaney, C.

1905. *Bathyzona incerta* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 53. Karnataka : *Investigator* St. 121. Off Karnataka Coast, 14° 35' 15" N 72° 02' 37" E, 2085 m (1140 fms.).

158. *Benthophyces fragilis* Koehler, R. and Vaney, C.

1905. *Benthophyces fragilis* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 65. Goa : *Investigator* St. 105. Off Goa Coast, 15° 02' N 72° 34' E, 1353 m (740 fms.).

159. *Dendrothuria similes* Koehler, R. and Vaney, C.

1905. *Dendrothuria similes* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 45. Lakshadweep : *Investigator* St. 104. Lakshadweep Sea, 11° 12' 47" N 74° 24' 30" E, 1829 m (1000 fms.).

160. *Eupyrgus scaber* Lütken

1857. *Eupyrgus scaber* Lütken, C. *Vidensk. Medd. Kobenhaven*, **1857** : 23.

1891. *Eupyrgus scaber* : Walsh, T.T. Tull. *Journ. Asiat. Soc. Beng.*, **60** (Part II, no. 2) : 203. Kerala : Investigator Station 107. W of Thiruvananthapuram. 8° 23' N 75° 47' E. 1350 m (738 fms.); South Andamans : Off Cinque Islands, m (650 fms.); Investigator St. 116. Off Cinque and Rutland Islands. 11° 25' 05'' N 92° 47' 06'' E, m (405 fms.).

161. *Perizona magna* Koehler, R. and Vaney. C.

1905. *Perizona magna* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 51. Goa : 75 miles West of Goa Coast, 1353 m (740 fms.).

162. *Pseudothuria duplex* Koehler, R. and Vaney, C.

1905. *Pseudothuria duplex* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 48. Karnataka : Investigator St. 272. Off Mangalore, 12° 41' 45'' N 72° 40' 30'' E, 1650 m (902 fms.).

OBSERVATIONS AND CONCLUSIONS

The echinoderm fauna of the world consists of a little over 6,000 species distributed from the littoral habitats to great depths of the marine environment. India with a land area of a tenth of the earth's land mass, is sustaining a proportionate diversity (649 species) of Echinodermata. Table 1 shows the representation of different classes in each region. The richest diversity of species is from the Andaman and Nicobar Islands which accounted for 424 species, followed by Tamil Nadu (193 species) and Lakshadweep (140 species) and a low diversity from Goa with only 16 species, followed by Maharashtra (21 species), West Bengal (23 species) and Karnataka (27 species). Of the total of 649 species Asteroidea, Ophiuroidea and Holothuroidea are represented by about 150-160 species while Echinoidea contributed 113 species and Crinoidea by 65 species (Table 2). It further shows that 298 species inhabit the deep water soft bottom while 118 species inhabit the soft bottom of shallowwaters and 233 species inhabit the hard bottom (coral and rock). The most widely distributed species are : *Lamprometra palmata* (Crinoidea, 7 regions), *Astropecten indicus* and *Stellaster childreni* (Asteroidea, 6 and 5 regions respectively), *Ophiactis savignyi* (Ophiuroidea, 7 regions), *Temnopleurus toreumaticus* and *Salmacis bicolor* (Echinoidea, 10 and 7 regions respectively) and *Acaudina molpadiodes* (Holothuroidea, 6 regions) indicating adaptability and availability of desired niches. Table 3 shows the number of species of each class exclusively known from each region. Andaman and Nicobar Islands have one fourth of the Indian coastline and sustain an amazing 65.3% of Indian echinoderm species of which as many as 237 (more than 50%) are known only from these islands. Similarly 54 and 32 species are known exclusively from Tamil Nadu and Lakshadweep coasts respectively indicating unique habitats. Though 33 species are known exclusively from Kerala coast, these are mainly deepwater components and can be considered to be elements of deepwater fauna of Lakshdweep Sea, and only a few are closer are to the Kerala coast. There have

been no extensive surveys particularly of the deep water habitat after the pioneering explorations of the R.I.M.S. *Investigator*. This may explain for this apparent exclusiveness in many regions.

The high diversity in a region is not much related to the geographical extent or the length of the coast line as shown in the following table. The area of continental shelf up to 200 m depth and length of coast line, of different regions percentage in total Indian coast number of echinoderm and percentage of species are as follows:

Region	Shelf area		Echinoderm species	
	Sq. Km.	Percentage	Number	Percentage
Maharashtra	104.758	25.3	21	3.2
Gujarat	99.273	24.0	37	5.7
Tamil Nadu	41.412	10.0	193	29.7
Kerala	35.941	8.7	74	11.4
Andhra Pradesh	31,044	7.5	77	11.9
Karnataka	25.473	6.1	27	4.2
Orissa	23.629	5.7	52	8.0
West Bengal	22.862	5.5	23	3.5
A & N Islands	16.056	3.9	424	65.3
Goa	9.984	2.4	16	2.5
Lakshdweep	4,336	1.0	140	21.6
Total	414,868		649	

High diversity is associated with coral and rocky habitats of shallow waters, prevalent in Lakshadweep, Tamil Nadu (particularly in the Gulf of Mannar) and the Andaman and Nicobar Islands. A low diversity again in the shallow waters is due to soft substrata, vicinity of estuaries and sporadic collections.

Bray-Curtis similarities were calculated on (presence/absence) species data for all 60 sites and the resulting two dimensional nMDS is presented in Fig.1. Seven distinct echinoderm community groupings could be distinguished (similarity <5%). They consisted of Group-1 (9 sites) representing coral-associated (C), Group-2 (3 sites) sand with corals (SC), Group-3 (11 sites) sand (S) and, Group-4 (9 sites) sand with hard substrata (SH), Group-5 (10 sites) hard substrata (H), Group-6 (9 sites) rock substrata (R) and Group-7 (9 sites) muddy substrata (M), characterised by an assemblage of species different from one another (ANOSIM, R: 0.728, P: 0.1%). Fig. 2 shows faunal (Bray-Curtis) similarity among the 11 regions and the resulting dendrogram shows three major groupings at 18% similarity. Group-1 with 3

sites represented Goa, Karnataka and Kerala; Group-2 (3 sites) Tamil Nadu, Lakshadweep & Andaman and Nicobar Islands; Group-3 (5 sites) Gujarat, Maharashtra, Andhra Pradesh, Orissa and West Bengal. The faunal similarity between Goa and Karnataka representing Group-1 is attributable to similarity of their habitat (predominantly sandy substrata). However, Kerala region appeared to stand apart because of soft substrata at most places and sharing of the deep-water fauna adjacent to coral atolls of Lakshadweep. The Group-2 (Tamil Nadu, Lakshadweep & Andaman and Nicobar Islands) association is because of commonness extensive coral reef habitats; Group 3 (Gujarat, Maharashtra, Andhra Pradesh, Orissa and West Bengal) consisted of three sub-clusters – AP and Orissa with predominantly sandy and scattered rocky habitats; WB with fine sandy regions under the influence of estuarine conditions; while GJ showed a mixture of varying substrata (e.g. rocks, conglomerates, sand and fine sand) extending its features to the adjoining Maharashtra.

The funnel plot (Fig. 3) resulting from the study on variation in taxonomic distinctness (Λ^+) shows that out of 11 locations 9 remained well within the 95% confidence suggesting evenness in their taxonomic structure. The two outliers are Lakshadweep and Gujarat suggestive of unevenness in Linnean hierarchy. At Lakshadweep, 61% of the species recorded there are shared solely by 3 Orders (Valvatida, Ophiurida and Aspidochirotida) and at Gujarat 35% of species recorded belonged to a single Order (Ophiurida). This is in contrast to the maximum contribution by any Order in other regions being only 12% indicating a widespread representation of Linnaean hierarchy. It is contended that in the case of Lakshadweep and Gujarat the observed unevenness could be due to the presence of special or unique habitats suitable for the taxa.

The funnel plots in Fig. 4 based on variation in taxonomic distinctness (Λ^+) show the disparity in the faunal composition in different regions within each cluster (Fig.1). TN LD, ANI departed from the 95% limit suggesting dissimilarity in the composition of coral associates at these regions (Fig.4a). It is contended that such departures noticed at Rocky habitats (Fig.4b), hard substrata (Fig.4c), sand associated with hard substrata (Fig.4d), sand associated with corals (Fig.4e), sandy substrata (Fig.4f) and muddy substrata (Fig.4g) could be due to variations in the species composition of the concerned. This is suggestive of further gradients in the substrata and ecological conditions determining the composition and distribution of echinoderms along the Indian seacoast. A study into the details of these features is under progress.

The available information leads to the following conclusions :

1. Diversity depends more on preferred habitats rather than on the extent of area or length of coast line of a region.
2. High diversity is associated with corals and rocks of shallow waters.
3. There is more diversity in shallow waters inspite of being only a fraction of the extent of deeper zone.

4. Exclusive occurrence of several species, particularly deepwater species, in a region is because of sparse explorations.
5. Detailed or comprehensive information is required on the habitat, such as the size of rocks and grain size of the soft substrata; availability of burrows, under surfaces *etc.*; associated flora and fauna, nature and quantity of organic content of the substratum *etc.* to understand the variability of diversity in similar habitats of different regions.
6. Subtidal habitats, particularly corals, are to be explored by diving. Hitherto subtidal records of species are chance occurrences in the beach washings and coastal fishing operations. Recent diversings have indicated rich crinoid fauna in the Lakshadweep coral habitats, though there are no reports of the group excepting for some broken arm pieces.

SUMMARY

The echinoderm fauna consisting of 649 species reported from the Indian Coast are listed. These included 65 species of Crinoidea, 158 species of Asteroidea, 152 species of Ophiuroidea, 113 species of Echinoidea and 161 species of Holothuroidea. Details of synonymy and statewise or Union Territorywise localities in India, as far as available, are given. Rich diversities are noted for Andaman and Nicobar Islands (424 species), Tamil Nadu (192 species) and Lakshadweep (140 species). The smallest geographical area Goa recorded the minimum of 16 species. Gujarat with the second largest coast line recorded only 37 species, indicating the importance of habitat over geographical extent. On the basis of multivariate procedures implemented in PRIMER v.5 it was possible to distinguish the 11 regions into seven clusters according to the degree of faunal similarity. Further, observations on variation in taxonomic distinctness revealed that while 9 out of 11 regions are within the 95% confidence limit indicating evenness in taxonomic representation, Gujarat and Lakshadweep departed because of unevenness in Linnean hierarchy. Habitat-wise, there were 7 distinct groups according to the similarity of fauna. However, on the basis of variation in taxonomic distinctness, differences in the composition of species within each habitat could be discerned. This could be because of species' individual niche requirement. A partial bibliography is added wherein detailed descriptions, variations, synonymy, keys for identification, distribution *etc.* can be found. Unpublished notes on some species has also been added. Notes on some additional species from nearby Indian region are also given, since these are also likely to occur in Indian region.

ACKNOWLEDGEMENTS

I am grateful to Director, Zoological Survey of India, Kolkata for excellent facilities provided during the study of the group and compilation of the information. I am also grateful for the advices, literature, personal communications and unpublished information and several courtesies from several senior colleagues in the field of Echinodermata, particularly

Dr. A. N. Baker, Ms A. M. Clark, Dr. D. M. Devaney (Late), Dr. A. Guille, Dr. D. B. James, Dr. F. J. Madsen, Ms L. M. Marsh, and colleagues in Zoological Survey of India, Dr. N. V. Subba Rao, Dr. Ramakrishna, Dr. B. P. Halder, Shri S. K. Mukhopadhyay, Dr. C. A. N. Rao, Dr. Amalesh Misra, Dr. D. V. Rao, Dr. Ch. Satyanarayana, and Shri A. Polycap. Multivariate Procedures were carried out by Dr. T. Ganesh and Dr. A. V. Raman, Marine Biology Laboratories, Andhra University, Visakhapatnam. Special thanks are due to Sri K. A. Sai, erstwhile Research Scholar, Marine Biology Laboratories, Andhra University, for sparing his asteroid collection from Visakhapatnam coast used in this work. Unpublished identifications by Shri S. K. Mokhopadhyay, of several holothurians including the ones from Visakhapatnam by Ms Dipti are used in this work. The staff of the Library of Zoological Survey of India at Calcutta, particularly, the earlier Librarians, Shri Ghoshal and Shri Chakraborty, and the Library Assistants Shri Ali and Shri Joy took special interest in searching and providing the journals required for consultation. Thanks are also due to Shri Rati Ram, Publication Production Officer, Zoological Survey of India, Kolkata and his staff for help and interest shown in processing the manuscript. Shri A. Simhachalam's help in scanning the fragile literature and making it available for reference is duly acknowledged.

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TAXONOMIC INDEX

Valid names are in bold roman and the synonyms in italics followed by Class and the serial number under the Class.

(Acanthophiothrix) Ophiothrix diligens Ophiuroidea	136
(Acanthophiothrix) Ophiothrix proteus Ophiuroidea	137
(Acanthophiothrix) Ophiothrix purpurea Ophiuroidea	138
(Acanthophiothrix) Ophiothrix vigelandi Ophiuroidea	139
(Acanthotrapeza) Holothuria pyxis Holothuroidea	9
(<i>Alecto</i>) <i>Comatula reynaudi</i> Crinoidea	24
(Amphioplus) Amphioplus cyrtacanthus Ophiuroidea	99
(Amphioplus) Amphioplus personatus Ophiuroidea	100
(Amphiura) Amphiura ambigua Ophiuroidea	108
(Amphiura) Amphiura septemspinosa Ophiuroidea	109
(Andora) Andora faouzii Asteroidea	103
(<i>Andora</i>) <i>Nardoa faouzii</i> Asteroidea	103
(<i>Cenolia</i>) <i>Comanthus bennetti</i> Crinoidea	18
(<i>Cenolia</i>) <i>samoana</i> <i>Comanthus</i> Crinoidea	6
(Cheiraster) Cheiraster pilosus Asteroidea	35
(Cheiraster) Cheiraster snyderi Asteroidea	36
(<i>Comanthina</i>) <i>Comanthus bennetti</i> Crinoidea	18
(<i>Comanthina</i>) <i>Comanthus schlegeli</i> Crinoidea	3
(<i>Comanthina</i>) <i>Comanthus schlegeli</i> Crinoidea	4
(<i>Comanthus</i>) <i>Comanthus parvicirra</i> Crinoidea	5
(<i>Comanthus</i>) <i>Comanthus annulata</i> Crinoidea	5
(<i>Comanthus</i>) <i>Comanthus samoana</i> Crinoidea	6
(<i>Comanthus</i>) <i>Comanthus samoana</i> Crinoidea	7
(<i>Comanthus</i>) <i>Comanthus timorensis</i> Crinoidea	5
(<i>Comanthus</i>) <i>Comanthus wahlbergi</i> Crinoidea	7
(Cystipus) Holothuria inhabilis Holothuroidea	9a
(Cystipus) Holothuria rigida Holothuroidea	10
(<i>Cystipus</i>) <i>Holothuria rigida</i> Holothuroidea	19
(Dictenophiura) Amphiophiura stellata Ophiuroidea	34
(<i>Dorigona</i>) <i>Pentagonaster moebii</i> Asteroidea	68
(Echinaster) Echinaster callosus Asteroidea	134

(Echinaster) Echinaster luzonicus Asteroidea	135
(Echinaster) Echinaster purpureus Asteroidea	136
(Echinolampas) Echinolampas alexandri alexandri Echinoidea	79
(Echinolampas) Echinolampas ovata Echinoidea	81
(Fibulariella) Fibularia oblonga Echinoidea	64a
(Gymnochirota) Stichopus cinerascens Holothuroidea	25
(Gymnochirota) Stichopus leucospilota Holothuroidea	16
(Gymnopatagus) Eupatagus valdiviae Echinoidea	97
(Halodeima) Holothuria atra Holothuroidea	11
(Halodeima) Holothuria edulis Holothuroidea	12
(Helodeima) Holothuria atra Holothuroidea	11
(Holothuria) Holothuria edulis Holothuroidea	12
(Hypselaster) Schizaster kempfi Echinoidea	87
(Keystonea) Ophiothrix nereidina Ophiuroidea	140
(Keystonea) Ophiothrix propinqua Ophiuroidea	125
(Laganum) Peronella rubra Echinoidea	75
(Leptoclypus) Clypeaster rarispinus Echinoidea	59
(Leptoclypus) Clypeaster annandalei Echinoidea	56
(Lessonothuria) Holothuria pardalis Holothuroidea	13
(Luidia) Luidia hardwicki Asteroidea	2
(Luidia) Luidia denudata Asteroidea	1
(Luidia) Luidia integra Asteroidea	3
(Luidia) Luidia limbata Asteroidea	4
(Luidia) Luidia maculata Asteroidea	5
(Luidia) Luidia savignyi Asteroidea	6
(Lymanella) Amphioplus andreae Ophiuroidea	101
(Lymanella) Amphioplus depressus Ophiuroidea	102
(Lymanella) Amphioplus gravelyi Ophiuroidea	103
(Lymanella) Amphioplus hastatus Ophiuroidea	104
(Lymanella) Amphioplus laevis Ophiuroidea	105
(Lymanella) Amphioplus phiuroidea	105
(Lymanella) Amphioplus near laevis Ophiuroidea	105
(Mertensiothuria) Holothuria exilis Holothuroidea	14
(Mertensiothuria) Holothuria fuscoöcinerea Holothuroidea	15
(Mertensiothuria) Holothuria leucospilota Holothuroidea	16

(Mertensiothuria) <i>Holothuria pervicax</i> Holothuroidea	17
(Metriatyla) <i>Holothuria albiventer</i> Holothuroidea	17a
(Metriatyla) <i>Holothuria ocellata</i> Holothuroidea	18
(Metriatyla) <i>Holothuria scabra</i> Holothuroidea	19
(Microthele) <i>Holothuria fuscogilva</i> Holothuroidea	20
(Microthele) <i>Holothuria nobilis</i> Holothuroidea	21
(Moiria) <i>Moiria stygia</i> Echinoidea	86
(Ophiocreas) <i>Asteroschema sibogae</i> Ophiuroidea	10
(Ophiopeltis) <i>Amphiura tenuis</i> Ophiuroidea	110
(Ophiothrix) <i>Ophiothrix aristulata</i> Ophiuroidea	141
(Ophiothrix) <i>Ophiothrix exigua</i> Ophiuroidea	143
(Ophiothrix) <i>Ophiothrix foveolata</i> Ophiuroidea	144
(Ophiothrix) <i>Ophiothrix fumaria</i> Ophiuroidea	149
(Ophiothrix) <i>Ophiothrix trilineata</i> Ophiuroidea	146
(Ophiothrix) <i>Ophiothrix variegata</i> Ophiuroidea	147
(Ophiothrix) <i>Ophiothrix vitrea</i> Ophiuroidea	148
(Ophiothrix) <i>Ophiothrix ciliaris</i> Ophiuroidea	142
(Ophiothrix) <i>Ophiothrix savignyi</i> Ophiuroidea	145
(Paraster) <i>Schizaster angulatus</i> Echinoidea	88
(Paraster) <i>Schizaster compactus</i> Echinoidea	89
(Paraster) <i>Schizaster gibberulus</i> Echinoidea	90
(Paraster) <i>Schizaster investigatoris</i> Echinoidea	91
(Perideris) <i>Stichopus chloronotus</i> Holothuroidea	36
(Philonaster) <i>Pentagonaster mortenseni</i> Asteroidea	61
(Phyllophorella) <i>Phyllophorus pervipedes</i> Holothuroidea	75
(Phyllophorella) <i>Phyllophorus</i> sp. Holothuroidea	75a
(Phyllothuria) <i>Phyllophorus cebuensis</i> Holothuroidea	76
(Placophiothrix) <i>Ophiothrix fumaria</i> Ophiuroidea	149
(Placophiothrix) <i>Ophiothrix striolata</i> Ophiuroidea	150
(Platyperona) <i>Holothuria difficilis</i> Holothuroidea	22
(Podophora) <i>Colobocentrotus atratus</i> Echinoidea	49
(Porometra) <i>Colobometra brevicirra</i> Crinoidea	35a
(Prometra) <i>Colobometra brevicirra</i> Crinoidea	33a
(Pseudomaretia) <i>Nacospatangus alta</i> Echinoidea	102
(Raphidoclypeus) <i>Clypeaster fervens</i> Echinoidea	57

<i>(Rhaphidoclypus)</i> <i>Clypeaster reticulatus</i> Echinoidea	60
<i>(Schizaster)</i> <i>Paraster gibberulus</i> Echinoidea	90
(Selenkothuria) <i>Holothuria erinaceus</i> Holothuroidea	23
<i>(Selenkothuria)</i> <i>Holothuria glaberrima</i> Holothuroidea	23
(Selenkothuria) <i>Holothuria moebii</i> Holothuroidea	24
(Semperothuria) <i>Holothuria cinerascens</i> Holothuroidea	25
(Stauropora) <i>Holothuria prompta</i> Holothuroidea	26
<i>(Stolonoclypus)</i> <i>Clypeaster humilis</i> Echinoidea	58
(Theelothuria) <i>Holothuria kurti</i> Holothuroidea	27
(Theelothuria) <i>Holothuria spinifera</i> Holothuroidea	28
(Thymiosycia) <i>Holothuria gracilis</i> Holothuroidea	30
(Thymiosycia) <i>Holothuria hilla</i> Holothuroidea	31
(Thymiosycia) <i>Holothuria impatiens</i> Holothuroidea	32
(Thymiosycia) <i>Holothuria remollescens</i> Holothuroidea	32a
<i>(Thymiosycia)</i> <i>Holothuria hills</i> Holothuroidea	31
<i>(Toreumatica)</i> <i>Temnopleurus apodus</i> Echinoidea	40
<i>(Tosia)</i> <i>Pentagonaster cueneti</i> Asteroidea	60
(Urodemella) <i>Phyllophorus brocki</i> Holothuroidea	77
(Vaneyothuria) <i>Holothuria integra</i> Holothuroidea	33
abbreviata <i>Mesothuria</i> Holothuroidea	50
abnormis <i>Ophiacantha</i> Ophiuroidea	75
Abyssaster <i>tara</i> Asteroidea	25a
<i>Acanthaster echinites</i> Asteroidea	102
Acanthaster <i>planci</i> Asteroidea	102
acanthifer <i>Trichaster</i> Ophiuroidea	4a
Acanthocidaris <i>maculicollis</i> Echinoidea	13a
<i>Acaudina australis</i> Holothuroidea	154
<i>Acaudina iranica</i> Holothuroidea	152
Acaudina <i>leucoprocta</i> Holothuroidea	152
Acaudina <i>molpadioides</i> Holothuroidea	153
Acaudina <i>molpadioides</i> Holothuroidea	153
accedens <i>Ophiothrix</i> Ophiuroidea	151
acicula <i>Cladolabes</i> Holothuroidea	82
acicula <i>Pseudocucumis</i> Holothuroidea	79
acosmeta <i>Ophiactis</i> Ophiuroidea	89

<i>Actinocucumis difficilis</i> Holothuroidea	70
<i>Actinocucumis typica</i> Holothuroidea	70
Actinocucumis typicus Holothuroidea	70
<i>Actinometra annulata</i> Crinoidea	5
<i>Actinometra gracilis</i> Crinoidea	8
<i>Actinometra maculata</i> Crinoidea	12
<i>Actinometra multibrachiata</i> Crinoidea	9
<i>Actinometra nigra</i> Crinoidea	13
<i>Actinometra nobilis</i> Crinoidea	3
<i>Actinometra parvicirra</i> Crinoidea	2
<i>Actinometra parvicirra</i> Crinoidea	5
<i>Actinometra schlegeli</i> Crinoidea	4
<i>Actinometra stelligera</i> Crinoidea	14
Actinopyga echinites Holothuroidea	1
Actinopyga lecanora Holothuroidea	2
Actinopyga mauritiana Holothuroidea	3
Actinopyga miliaris Holothuroidea	4
<i>acuta</i> Anthenea Asteroidea	84
<i>acuticirra</i> Antedon Crinoidea	19
acuticirra Craspedometra Crinoidea	19
adami Zoroaster Asteroidea	140
adpersus Ophiernus adpersus Ophiuroidea	27
<i>adpersus Ophiernus</i> Ophiuroidea	27
<i>aegyptiaca</i> Nardoa Asteroidea	111
<i>aequalis</i> Ophioglypha Ophiuroidea	38
aequalis Ophiura Ophiuroidea	38
<i>affinis</i> Ophiactis Ophiuroidea	96
<i>affinis</i> Ophiophragmus Ophiuroidea	102
<i>affinis</i> Oreaster Asteroidea	92
affinis Pentaceraster Asteroidea	92
<i>affinis Pentaceros</i> Asteroidea	92
<i>affinis Protoreaster</i> Asteroidea	92
africana Afroscucumis Holothuroidea	71
<i>africana Cucumaria</i> Holothuroidea	71
Afroscucumis africana Holothuroidea	71

<i>agassizi Phidiaster</i> Asteroidea	25
agassizi Prionechinus Echinoidea	36
agassizi Psilaster Asteroidea	25
albicans Trochostoma Holothuroidea	147
<i>albida Holothuria</i> Holothuroidea	12
<i>albidens Stylocidaris bracteata</i> var. Echinoidea	10
albidens Stylocidaris Echinoidea	10
albiventer Holothuria (Metriatyla) Holothuroidea	17a
<i>albiventer Holothuria</i> Holothuroidea	17a
alcocki Apodogaster Holothuroidea	110
<i>alcocki Cucumaria</i> Holothuroidea	102
<i>alcocki Dorocidaris</i> Echinoidea	8
alcocki Hymenaster Asteroidea	131
<i>alcocki Ophiopyrgus</i> Ophiuroidea	37
alcocki Ophiopyrgus Ophiuroidea	37
alcocki Stereocidaris Echinoidea	8
alcocki Trachythyone Holothuroidea	102
<i>Alecto bennetti</i> Crinoidea	18
<i>Alecto multifida</i>	10
<i>Alecto palmata</i> Crinoidea	29
<i>Alecto parvicirra</i> Crinoidea	5
<i>Alecto timorensis</i> Crinoidea	5
<i>Alecto wahlbergi</i> Crinoidea	7
<i>alexandri alexandri Echinolampas (Echinolampas)</i> Echinoidea	79
alexandri Echinolampas Echinoidea	79
alfredi Zoroaster Asteroidea	141
Allopatides dendroides Holothuroidea	41
<i>alta Maretia</i> Echinoidea	102
alta Nacospatangus (Pseudomaretia) Echinoidea	102
<i>alta Pseudomaretia</i> Echinoidea	102
ambigua Amphiura (Amphiura) Ophiuroidea	108
<i>ambigua Amphiura</i> Ophiuroidea	108
ambulator Ophiochiton Ophiuroidea	58
Amphideima investigatoris Holothuroidea	104
Amphideima investigatoris Holothuroidea	155

Amphigymnas multiples Holothuroidea	156
Amphimetra molleri Crinoidea	18a
<i>Amphimetra mortenseni</i> Crinoidea	23
<i>Amphimetra philiberti</i> Crinoidea	23
Amphiodia caullery Ophiuroidea	97
Amphiophiura (Dictenophiura) stellata Ophiuroidea	34
Amphiophiura ornata Ophiuroidea	29
Amphiophiura paupera Ophiuroidea	30
Amphiophiura radiata Ophiuroidea	31
Amphiophiura sculptilis Ophiuroidea	32
Amphiophiura sordida Ophiuroidea	33
<i>Amphiophiura stellata</i> Ophiuroidea	34
Amphioplus (Amphioplus) cyrtacanthus Ophiuroidea	99
Amphioplus (Amphioplus) personatus Ophiuroidea	100
Amphioplus (Lymanella) andreae Ophiuroidea	101
Amphioplus (Lymanella) depressus Ophiuroidea	102
Amphioplus (Lymanella) gravelyi Ophiuroidea	103
Amphioplus (Lymanella) hastatus Ophiuroidea	104
<i>Amphioplus (Lymanella) laevis</i> Ophiuroidea	105
Amphioplus (Lymanella) near laevis Ophiuroidea	105
<i>Amphioplus (Lymanella)</i> Ophiuroidea	105
<i>Amphioplus (Lymanella) sp.</i>	
<i>Amphioplus andreae</i> Ophiuroidea	101
<i>Amphioplus cyrtacanthus</i> Ophiuroidea	99
<i>Amphioplus depressus</i> Ophiuroidea	102
Amphioplus intermedius Ophiuroidea	98
<i>Amphioplus relictus</i> Ophiuroidea	102
<i>Amphipholis depressus</i> Ophiuroidea	102
<i>Amphipholis hastatus</i> Ophiuroidea	104
Amphipholis misera Ophiuroidea	106
Amphipholis squamata Ophiuroidea	107
Amphiura (Amphiura) ambigua Ophiuroidea	108
Amphiura (Amphiura) septemspinosa Ophiuroidea	109
Amphiura (Ophiopeltis) tenuis Ophiuroidea	110
<i>Amphiura ambigua</i> Ophiuroidea	108

<i>Amphiura caullery</i> Ophiuroidea	97
<i>Amphiura dispar</i> Ophiuroidea	111
<i>Amphiura duplicata</i> Ophiuroidea	115
<i>Amphiura famula</i> Ophiuroidea	112
<i>Amphiura hastata</i> Ophiuroidea	104
<i>Amphiura laevis</i> Ophiuroidea	105
<i>Amphiura lorioli</i> Ophiuroidea	113
<i>Amphiura misera</i> Ophiuroidea	106
<i>Amphiura partita</i> Ophiuroidea	115
<i>Amphiura relictata</i> Ophiuroidea	102
<i>Amphiura septemspinosa</i> Ophiuroidea	109
<i>anacanthus Dytaster</i> Asteroidea	23
<i>anaglyptica</i> Ophiocoma Ophiuroidea	46
<i>ananas Thelenota</i> Holothuroidea	40
<i>ananas Trepang</i> Holothuroidea	40
<i>Anapta gracilis</i> Holothuroidea	118
<i>anceps Antedon</i> Crinoidea	20
<i>anceps Craspedometra</i> Crinoidea	20
<i>andamanense Trochostoma</i> Holothuroidea	148
<i>andamanensis Fromia</i> Asteroidea	108
<i>andamanensis Haplodactyla</i> Holothuroidea	154
<i>andamanensis Ophiontereis</i> Ophiuroidea	60
<i>andamanica Brisinga</i> Asteroidea	151
<i>andersoni Antedon</i> Crinoidea	39
<i>andersoni Ophiothrix</i> Ophiuroidea	140
<i>andersoni Pontiometra</i> Crinoidea	39
<i>Andora (Andora) faouzii</i> Asteroidea	103
<i>andreae Amphioplus (Lymanella)</i> Ophiuroidea	101
<i>andreae Amphioplus</i> Ophiuroidea	101
<i>andromeda Zygometra</i>	55a
<i>Andrometra indica</i> Crinoidea	40
<i>angulatus Archaster</i> Asteroidea	54
<i>angulatus Prymnaster</i> Echinoidea	88
<i>angulatus Schizaster (Paraster)</i> Echinoidea	88
<i>angulatus Zoroaster</i> Asteroidea	142

<i>angulosa Tripneustes</i> Echinoidea	48
Ankyloiderma brevicaudatum Holothuroidea	141
Ankyloiderma contortum Holothuroidea	142
Ankyloiderma danielsenii Holothuroidea	143
Ankyloiderma intermedium Holothuroidea	144
<i>Ankyloiderma marenzelleri</i> Holothuroidea	127
Ankyloiderma musculus Holothuroidea	145
<i>Ankyloiderma musculus</i> var. <i>ocutum</i> Holothuroidea	145
<i>Ankyloiderma musculus</i> var. <i>undulatum</i> Holothuroidea	145
Ankyloiderma polymorphium Holothuroidea	146
<i>annandalei Clypeaster (Leptoclypus)</i> Echinoidea	56
annandalei Clypeaster Echinoidea	56
<i>annulata Actinometra</i> Crinoidea	5
<i>annulata Comanthus (Comanthus)</i> Crinoidea	5
<i>annulatum Aspidodiadema</i> Echinoidea	22
<i>annulifera Phyllacanthus</i> Echinoidea	6
<i>annulifera Prionocidaris baculosa</i> var. Echinoidea	6
<i>annulosa Ophiopsis</i> Ophiuroidea	12
annulosa Ophiomastix Ophiuroidea	56
<i>annulosa Ophiura</i> Ophiuroidea	56
Anseropoda ludovici Asteroidea	40
Anseropoda pellucida Asteroidea	41
<i>Anseropoda sarasini</i> Asteroidea	46
<i>Antedon acuticirra</i> Crinoidea	19
<i>Antedon anceps</i> Crinoidea	20
<i>Antedon andersoni</i> Crinoidea	39
<i>Antedon bengalensis</i> Crinoidea	21
<i>Antedon brevicirra</i> Crinoidea	15
<i>Antedon monacantha</i> Crinoidea	32
<i>Antedon nana</i> Crinoidea	42
<i>Antedon palmata</i> Crinoidea	29
<i>Antedon palmata</i> Crinoidea	31
<i>Antedon protectus</i> Crinoidea	28
<i>Antedon reynaudi</i> Crinoidea	24
<i>Antedon serripinna</i> Crinoidea	38

<i>Anthenea acuta</i> Asteroidea	84
Anthenea pentagonula Asteroidea	84
<i>Anthenea regalis</i> Asteroidea	84
<i>Anthenea rudis</i> Asteroidea	84
<i>Anthenea tuberculata</i> Asteroidea	84
Anthrenoides sarissa Asteroidea	56
<i>Antherea pentagonula</i> Asteroidea	84
<i>Aphelodactyla iranica</i> Holothuroidea	152
<i>Aphelodactyla leucoprocta</i> Holothuroidea	152
Apodogaster alcocki Holothuroidea	110
<i>apodus Temnopleurus (Toreumatica)</i> Echinoidea	40
apodus Temnopleurus Echinoidea	40
Apostichopus japonicus Holothuroidea	35a
arabica Ophiopeza fallax Ophiuroidea	73
Arachnoides placenta Echinoidea	61
Araeolampas glauca Echinoidea	107
<i>aranae Dichrometra</i> Crinoidea	30
aranae Selenometra Crinoidea	30
Archaster angulatus Asteroidea	54
<i>Archaster hesperus</i> Asteroidea	17
<i>Archaster insignis</i> Asteroidea	20
<i>Archaster nicobaricus</i> Asteroidea	55
<i>Archaster typicus</i> Asteroidea	54
Archaster typicus Asteroidea	55
<i>Archeopneustes hemingi</i> Echinoidea	111
arcuatus Mediaster Asteroidea	66
<i>arcuatus Pentagonaster</i> Asteroidea	66
arcuatus Pentagonaster Asteroidea	70b
ardens Cucumaria Holothuroidea	83
<i>arenatus Nymphaster</i> Asteroidea	68
<i>arenicola Holothuria</i> Holothuroidea	29
arenicola Holothuria (Thymiosycia) Holothuroidea	29
<i>arenosa Culcita novaeguineae</i> var. Asteroidea	86
Argopatagus vitreus Echinoidea	108
argus Bohadschia Holothuroidea	5

<i>argus</i> <i>Holothuria</i> Holothuroidea	5
ariana <i>Cucumaria</i> Holothuroidea	84
aristulata <i>Ophiothrix</i> (<i>Ophiothrix</i>) Ophiuroidea	141
<i>aristulata</i> <i>Ophiothrix</i> Ophiuroidea	141
<i>aristulata</i> var. <i>investigatoris</i> <i>Ophiothrix</i> Ophiuroidea	141
armata <i>Fromia</i> Asteroidea	107
armatus <i>Ophidiaster</i> Asteroidea	123
armatus <i>Styracaster</i> Asteroidea	28a
Aslia <i>forbesi</i> Holothuroidea	80
<i>asper</i> var. <i>glaber</i> <i>Ophnurgus</i> Holothuroidea	108
<i>Aspidodiadema annulatum</i> Echinoidea	22
Aspidodiadema nicobaricum Echinoidea	25
aspidota <i>Macrophiothrix</i> Ophiuroidea	120
<i>aspidota</i> <i>Ophiothrix</i> Ophiuroidea	120
assimilis <i>Bathyplores</i> Holothuroidea	42
<i>assimilis</i> <i>Cucumaria</i> Holothuroidea	71
<i>Asterias nodosus</i> Asteroidea	99
<i>Asterias carinifera</i> Asteroidea	100
<i>Asterias cylindrica</i> Asteroidea	106
<i>Asterias equestris</i> Asteroidea	82
<i>Asterias laevigata</i> Asteroidea	116
<i>Asterias lincki</i> Asteroidea	98
<i>Asterias mazophorus</i> Asteroidea	149
<i>Asterias milleporella</i> Asteroidea	109
<i>Asterias multifora</i> Asteroidea	117
<i>Asterias multiradiata</i> Crinoidea	2
<i>Asterias pectinata</i> Crinoidea	17
<i>Asterias petalodea</i> Asteroidea	8
<i>Asterias planci</i> Asteroidea	102
<i>Asterias savignyi</i> Asteroidea	6
<i>Asterias schmideliana</i> Asteroidea	87
<i>Asterias squamata</i> Ophiuroidea	107
<i>Asterias striata</i> Asteroidea	101
Asterina burtoni Asteroidea	42
Asterina burtoni Asteroidea	43

<i>Asterina burtoni cepheus</i> Asteroidea	43
<i>Asterina cephea</i> Asteroidea	43
Asterina cepheus Asteroidea.....	43
<i>Asterina coronata</i> Asteroidea	43
Asterina coronata Asteroidea	44
<i>Asterina exigua</i> Asteroidea.....	51
<i>Asterina leptalacantha</i> Asteroidea	47
Asterina leptalacantha Asteroidea	47
<i>Asterina lorioli</i> Asteroidea	45
Asterina sarasini Asteroidea	46
<i>Asteriscus cepheus</i> Asteroidea	43
Asterodiscides elegans Asteroidea.....	83
<i>Asterodiscus elegans</i> Asteroidea	83
<i>Asterodiscus elegans</i> Asteroidea	83
Asteromorpha flosculus Ophiuroidea	4
Asteropsis carinifera Asteroidea	100
<i>Asteroschema (Ophiocreas) sibogae</i> Ophiuroidea.....	10
<i>Asteroschema flosculum</i> Ophiuroidea	4
<i>Asteroschema flosculus</i> Ophiuroidea	4
Asteroschema subfastosum Ophiuroidea	9
Astroboa clavata Ophiuroidea	5
<i>Astroboa clavatum</i> Ophiuroidea	6
Astroboa nuda Ophiuroidea	6
<i>Astroboa nuda</i> var. <i>elegans</i> Ophiuroidea.....	6
<i>Astroboa nuda</i> var. <i>nigra</i> Ophiuroidea	6
<i>Astrocramis fisheri</i> Asteroidea	57
Astrocramis fisheri Asteroidea	57
Astrocladus exiguus Ophiuroidea	7
<i>Astrogonium jordani</i> Asteroidea	76
<i>Astrogonium mozaicum</i> Asteroidea.....	77
<i>Astrogonium roseum</i> Asteroidea	78
Astronyx loveni Ophiuroidea.....	3
Astropecten bengalensis Asteroidea	7
Astropecten euryacanthus Asteroidea	8
Astropecten greigi Asteroidea.....	9

Astropecten hemprichi Asteroidea	10
<i>Astropecten hemprichi</i> Asteroidea	15
Astropecten indicus Asteroidea	11
Astropecten inutilis Asteroidea	12
<i>Astropecten mauritianus</i> Asteroidea	11
<i>Astropecten mauritianus</i> Asteroidea	7
Astropecten monacanthus Asteroidea	13
<i>Astropecten nobilis</i> Asteroidea	8
Astropecten polyacanthus Asteroidea	14
Astropecten tamilicus Asteroidea	15
Astropecten vappa Asteroidea	16
<i>Astropecten zebra</i> Asteroidea	16
<i>Astrophyton clavata</i> Ophiuroidea	5
<i>Astrophyton cornutum</i> Ophiuroidea	7
<i>Astrophyton nudum</i> Ophiuroidea	6
<i>Astropyga</i> Echinoidea	18
Astropyga radiata Echinoidea	18
<i>Astropyga</i> sp. Echinoidea	18
Astroschema fastosum Ophiuroidea	8
<i>Astrostephanus vecors</i> Ophiuroidea	7a
Astrothrombus vecors Ophiuroidea	7a
<i>Astrotoma vecors</i> Ophiuroidea	7a
Athyone sp. Holothuroidea	81
atra Holothuria (Halodeima) Holothuroidea	11
<i>atra Holothuria (Helodeima)</i> Holothuroidea	11
<i>atra Holothuria</i> Holothuroidea	11
<i>atrata Podophora</i> Echinoidea	49
<i>atratus Colobocentrotus (Podophora)</i> Echinoidea	49
atratus Colobocentrotus Echinoidea	49
<i>atratus Echinus</i> Echinoidea	49
atratus Pedicellaster Asteroidea	148
<i>atropurpurea Stomopneustes</i> Echinoidea	29
auritus Echinodiscus Echinoidea	77
<i>australis Acaudina</i> Holothuroidea	154
<i>australis Haplodactyla</i> Holothuroidea	154

australis Ophiomyxa Ophiuroidea	1
australis Paracaudina Holothuroidea	154
<i>australis Protoreraster</i> Asteroidea	95
<i>bacilliformis Cucumaria</i> Holothuroidea	90
bacilliformis Leptopentacta Holothuroidea	90
<i>baculosa Cidarites</i> Echinoidea	6
<i>baculosa Phyllacanthus</i> Echinoidea	6
baculosa Prionocidaris Echinoidea	6
<i>baculosa</i> var. <i>annulifera</i> <i>Prionocidaris</i> Echinoidea	6
<i>baculosa</i> var. <i>brevicollis</i> <i>Cidaris</i> Echinoidea	11
barathri Zoroaster Asteroidea	143
baselli Chondroclaea Holothuroidea	119
<i>basilicus Nymphaster</i> Asteroidea	68
<i>batheri Sidonaster</i> Asteroidea	28
Bathycrinus woodmasoni Crinoidea	63
<i>Bathypectinura conspicua</i> Ophiuroidea	63
Bathypectinura heros Ophiuroidea	63
Bathylotes assimilis Holothuroidea	42
Bathylotes cinctus Holothuroidea	43
Bathylotes crenulatus Holothuroidea	44
Bathylotes papillosus Holothuroidea	45
Bathylotes profundus Holothuroidea	46
Bathylotes variabilis Holothuroidea	47
Bathyzona incerta Holothuroidea	157
<i>belli Dorigona</i> Asteroidea	68
<i>bengalensis Antedon</i> Crinoidea	21
bengalensis Astropecten Asteroidea	7
bengalensis Brisinga Asteroidea	152
bengalensis Heterometra Crinoidea	21
<i>bengalensis Ophiomyxa</i> Ophiuroidea	1
<i>bengalensis Pentaceros</i> Asteroidea	97
<i>bennetti Alecto</i> Crinoidea	18
<i>bennetti Comanthus (Cenolia)</i> Crinoidea	18
<i>bennetti Comanthus (Comanthina)</i> Crinoidea	18
<i>bennetti Comanthus</i> Crinoidea	18

bennetti <i>Oxycomanthus</i> Crinoidea	18
<i>Benthodytes gelatinosa</i> Holothuroidea	55
Benthodytes glutonisa Holothuroidea	113
<i>Benthodytes ovalis</i> Holothuroidea	59
<i>Benthodytes sanguinolenta</i> Holothuroidea	113
Benthodytes typica Holothuroidea	114
<i>Benthodytes typical</i> Holothuroidea	114
Benthopecten huddlestoni Asteroidea	31
Benthopecten indicus Asteroidea	32
Benthopecten semisquamatus Asteroidea	33
Benthopecten violaceus Asteroidea	34
benthophila <i>Freyastera</i> Asteroidea	157a
<i>benthophila Freyella</i> Asteroidea	157a
Benthophyces fragilis Holothuroidea	158
Benthothuria cristatus Holothuroidea	48
Benthothuria distortus Holothuroidea	49
<i>beselli Chondrocloea</i> Holothuroidea	136
<i>bicolor Holothuria impatiens</i> var. Holothuroidea	32
bicolor Salmacis Echinoidea	38
<i>biforis Echinodiscus</i> Echinoidea	78
biseriatum Sperosoma Echinoidea	17
bisperforatus Echinodiscus Echinoidea	78
<i>bisperforatus</i> var. <i>truncatus</i> <i>Echinodiscus</i> Echinoidea	78
<i>bispinosa Cidarites</i> Echinoidea	6a
<i>bispinosa Ophiozona</i> Ophiuroidea	25
bispinosa Ophiozonella Ophiuroidea	25
bispinosa Prionocidaris Echinoidea	6a
<i>bispinosus Ophiopyren</i> Ophiuroidea	28
bispinosus Ophiostriatus Ophiuroidea	28
<i>bitentaculata Sphaerothuria</i> Holothuroidea	103
bitentaculata Ypsilothuria Holothuroidea	103
blakei Deima Holothuroidea	105
Bohadschia argus Holothuroidea	5
Bohadschia graeffei Holothuroidea	6
Bohadschia marmorata Holothuroidea	7

Bohadschia tenuissima Holothuroidea	8
Bohadschia vitiensis Holothuroidea	7
bonani Laganum Echinoidea	68
brachiata Nepanthia Asteroidea	50
brachiata Paranepanthia Asteroidea	50
brachyura Ophiactis Ophiuroidea	90
bracteata var. <i>albidens</i> Stylocidaris Echinoidea	10
brevicaudatum Ankyloiderma Holothuroidea	141
brevicaudatum Molpadia Holothuroidea	141
brevicirra Antedon Crinoidea	15
brevicirra Colobometra (<i>Porometra</i>) Crinoidea	35a
brevicirra Colobometra (Prometra) Crinoidea	33a
brevicirra Comaster Crinoidea	15
brevicirra Comatula Crinoidea	15
brevicirra Decametra Crinoidea	35a
brevicirra Prometra Crinoidea	35a
brevicollis Cidaris baculosa var. Echinoidea	11
brevicollis Prionocidaris Echinoidea	11
brevicollis Stylocidaris Echinoidea	11
brevipes Ophiocoma Ophiuroidea	47
brevispinus Leiaster Asteroidea	114
Breynia vredenburgi Echinoidea	103
Brisaster indicus Echinoidea	84
Brisinga andamanica Asteroidea	151
Brisinga bengalensis Asteroidea	152
Brisinga gracilis Asteroidea	157
Brisinga gunni Asteroidea	153
Brisinga insularum Asteroidea	154
Brisinga panopla Asteroidea	155
Brisinga parallela Asteroidea	156
Brissopsis luzonica Echinoidea	92
Brissopsis luzonicus Echinoidea	92
Brissopsis oldhami Echinoidea	93
Brissopsis parallela Echinoidea	94
Brissus carinatus Echinoidea	95

Brissus latecarinatus Echinoidea	95
<i>Brissus unicolor</i> Echinoidea	95
<i>brissus</i> var. <i>latecarinatus</i> <i>Spatangus</i> Echinoidea	95
brocki <i>Phyllophorus</i> (<i>Urodemella</i>) Holothuroidea	77
<i>brocki</i> <i>Phyllophorus</i> Holothuroidea	77
<i>browni</i> <i>Linckia</i> Asteroidea	116
buccalis <i>Stolus</i> Holothuroidea	96
<i>buccalis</i> <i>Thyone</i> Holothuroidea	96
bursarium <i>Phormosoma</i> Echinoidea	15
<i>bursarium</i> <i>Phormosoma</i> Echinoidea	16a
burtoni <i>Asterina</i> Asteroidea	42
burtoni <i>Asterina</i> Asteroidea	43
<i>burtoni cepheus</i> <i>Asterina</i> Asteroidea	43
<i>cacaofica</i> <i>Ophiomaza</i> Ophiuroidea	133
cacaotica <i>Ophiomaza</i> Ophiuroidea	133
<i>cadelli</i> <i>Holothuria</i> Holothuroidea	19
<i>caeruleus</i> <i>Porcellanaster</i> Asteroidea	27
calamaris <i>Echinothrix</i> Echinoidea	23
<i>calamaris</i> <i>Echinus</i> Echinoidea	23
Calliaster childreni Asteroidea	58
Calliaster mamillifer Asteroidea	59
<i>callipeplus</i> <i>Leiaster</i> Asteroidea	113
callosus <i>Echinaster</i> (<i>Echinaster</i>) Asteroidea	134
<i>callosus</i> <i>Echinaster</i> Asteroidea	134
<i>Calometra spinosissima</i> Crinoidea	49
<i>capella</i> <i>Goniodiscus</i> Asteroidea	70
capella <i>Ogmaster</i> Asteroidea	70
Capillaster mariae Crinoidea	1
Capillaster multiradiata Crinoidea	2
<i>Capillaster multiradiatus</i> Crinoidea	2
<i>carinata clarki</i> <i>Tropiometra</i> Crinoidea	48
<i>carinata</i> <i>Comatula</i> Crinoidea	48
carinata <i>Heteronardoa</i> Asteroidea	112
<i>carinata</i> <i>Nardoa</i> Asteroidea	112
carinata <i>Tropiometra</i> Crinoidea	48

<i>carinatus</i> <i>Brissus</i> Echinoidea	95
carinatus <i>Zoroaster</i> Asteroidea	144
<i>carinifera</i> <i>Asterias</i> Asteroidea	100
carinifera <i>Asteropsis</i> Asteroidea	100
<i>carinifera</i> <i>Stiremetra</i> Crinoidea	52
caroli <i>Styracaster</i> Asteroidea	29
castanea <i>Echinolampas</i> Echinoidea	80
<i>castellum</i> <i>Oreaster</i> Asteroidea	98
<i>cataphracta</i> <i>Ophiomaza</i> Ophiuroidea	133
<i>Caulaster dubius</i> Asteroidea	27
caulifer <i>Porcellanaster</i> Asteroidea	26
caullery <i>Amphiodia</i> Ophiuroidea	97
<i>caullery</i> <i>Amphiura</i> Ophiuroidea	97
cebuensis <i>Phyllophorus</i> (<i>Phyllothuria</i>) Holothuroidea	76
celer <i>Phyllophorus</i> Holothuroidea	73
Cenometra <i>herdmani</i> Crinoidea	33
Centrostephanus <i>nitidus</i> Echinoidea	19
<i>cephea</i> <i>Asterina</i> Asteroidea	43
cephus <i>Asterina</i> Asteroidea	43
<i>cephus</i> <i>Asterina burtoni</i> Asteroidea	3
<i>cephus</i> <i>Asteriscus</i> Asteroidea	+3
Ceramaster <i>cueneti</i> Asteroidea	60
Ceramaster <i>mortenseni</i> Asteroidea	61
Certonardoa <i>semiregularis</i> Asteroidea	104
<i>ceruleus</i> <i>Porcellanaster</i> Asteroidea	26
ceruleus <i>Porcellanaster</i> Asteroidea	27
ceylanica <i>Tegulaster</i> Asteroidea	52
<i>ceylanicus</i> <i>Disasterina</i> Asteroidea	52
ceylanicus <i>Microcyphus</i> Echinoidea	33
<i>ceylanicus</i> <i>Tegulaster</i> Asteroidea	52
<i>Chaetaster moorei</i> Asteroidea	39
Chaetaster <i>vestitus</i> Asteroidea	39
Chaetodiadema <i>granulatum</i> Echinoidea	20
<i>charischema</i> <i>Ophiocten</i> Ophiuroidea	27a
<i>charischema</i> <i>Ophiroleuce</i> Ophiuroidea	27a

Cheiraster (Cheiraster) pilosus Asteroidea	35
Cheiraster (Cheiraster) snyderi Asteroidea	36
Cheiraster cribellum Asteroidea	37
<i>Cheiraster snyderi</i> Asteroidea	36
childreni Calliaster Asteroidea	58
childreni Stellaster Asteroidea	82
chinensis Faorina Echinoidea	85
<i>Chirodota rufescens</i> Holothuroidea	139
<i>chloronotus Stichopus (Perideris)</i> Holothuroidea	36
chloronotus Stichopus Holothuroidea	36
Chondrocloea baselli Holothuroidea	119
<i>Chondrocloea beselli</i> Holothuroidea	136
<i>Chondrocloea recta</i> Holothuroidea	137
Chondrocloea striata Holothuroidea	138
<i>Chondrocloea varians</i> Holothuroidea	137
Choriaster granulatus Asteroidea	85
<i>chuni Prionechinus</i> Echinoidea	36
<i>Cidaris baculosa</i> var. <i>brevicollis</i> Echinoidea	11
<i>Cidaris radiata</i> Echinoidea	18
<i>Cidaris toreumaticus</i> Echinoidea	42
<i>Cidarites baculosa</i> Echinoidea	6
<i>Cidarites bispinosa</i> Echinoidea	6a
<i>Cidarites imperialis</i> Echinoidea	4
<i>Cidarites metularia</i> Echinoidea	1
<i>Cidarites verticillata</i> Echinoidea	7
ciliaris Ophiothrix (Ophiothrix) Ophiuroidea	142
<i>ciliaris Ophiura</i> Ophiuroidea	142
ciliata Dichrometra Crinoidea	27
cincta Ophioelegans Ophiuroidea	11
<i>cincta Ophiolepis</i> Ophiuroidea	11
cinctus Bathyploetes Holothuroidea	43
cinerascens Holothuria (Semperothuria) Holothuroidea	25
<i>cinerascens Holothuria</i> Holothuroidea	25
<i>cinerascens Stichopus (Gymnochirota)</i> Holothuroidea	25
Circeaster magdalenae Asteroidea	62

Circeaster marcelli Asteroidea	63
Cistina columbiae Asteroidea	105
Cladolabes acicula Holothuroidea	82
<i>clarki Tropiometra carinata</i> Crinoidea	48
<i>clathrata Ophiodiaster</i> Asteroidea	116
clavata Astroboa Ophiuroidea	5
<i>clavata Astrophyton</i> Ophiuroidea	5
<i>clavatum Astroboa</i> Ophiuroidea	6
clavipes Styracaster Asteroidea	29a
<i>Clypeaster (Leptoclypus) annandalei</i> Echinoidea	56
<i>Clypeaster (Leptoclypus) rarispinus</i> Echinoidea	59
<i>Clypeaster (Rhaphidoclypus) fervens</i> Echinoidea	57
<i>Clypeaster (Rhaphidoclypus) reticulatus</i> Echinoidea	60
<i>Clypeaster (Stolonoclypus) humilis</i> Echinoidea	58
Clypeaster annandalei Echinoidea	56
<i>Clypeaster destinatus</i> Echinoidea	56
Clypeaster fervens Echinoidea	57
Clypeaster humilis Echinoidea	58
Clypeaster rarispinus Echinoidea	59
Clypeaster reticulatus Echinoidea	60
<i>Clypester</i> sp. Echinoidea	59
Cnemidaster squameus Asteroidea	139
<i>Cnemidaster squameus</i> Asteroidea	147a
coelochiles Persephonaster Asteroidea	21
<i>Coelopleurus vittatus</i> Echinoidea	30
Coelopleurus vittatus Echinoidea	30
Coenopedina depressa Echinoidea	26
<i>coeruleus Porcellanaster</i> Asteroidea	27
<i>Colobocentrotus (Podophora) atratus</i> Echinoidea	49
Colobocentrotus atratus Echinoidea	49
<i>Colobometra (Porometra) brevicirra</i> Crinoidea	35a
Colobometra (Prometra) brevicirra Crinoidea	33a
Colobometra discolor Crinoidea	34
<i>Colochirus quadrangularis</i> Holothuroidea	93
<i>Colochirus violaceus</i> Holothuroidea	95

columbiae Cistina Asteroidea	105
Comanthina nobilis Crinoidea	3
Comanthina schlegeli Crinoidea	4
<i>Comanthus (Cenolia) bennetti Crinoidea</i>	18
<i>Comanthus (Cenolia) samoana Crinoidea</i>	6
<i>Comanthus (Comanthina) bennetti Crinoidea</i>	18
<i>Comanthus (Comanthina) samoana Crinoidea</i>	6
<i>Comanthus (Comanthina) samoana Crinoidea</i>	6
<i>Comanthus (Comanthina) schlegeli Crinoidea</i>	3
<i>Comanthus (Comanthina) schlegeli Crinoidea</i>	4
<i>Comanthus (Comanthus) annulata Crinoidea</i>	5
<i>Comanthus (Comanthus) parvicirra Crinoidea</i>	5
<i>Comanthus (Comanthus) samoana Crinoidea</i>	6
<i>Comanthus (Comanthus) samoana Crinoidea</i>	7
<i>Comanthus (Comanthus) timorensis Crinoidea</i>	5
<i>Comanthus (Comanthus) wahlbergi Crinoidea</i>	7
<i>Comanthus bennetti Crinoidea</i>	18
Comanthus parvicirrus Crinoidea	5
<i>Comanthus samoana Crinoidea</i>	7
Comanthus samoanus Crinoidea	6
<i>Comanthus samoanus Crinoidea</i>	7
<i>Comanthus samoanus Crinoidea</i>	7
<i>Comanthus schlegeli Crinoidea</i>	4
<i>Comanthus timorensis Crinoidea</i>	5
Comanthus wahlbergi Crinoidea	7
<i>Comaster brevicirra Crinoidea</i>	15
Comaster gracilis Crinoidea	8
Comaster multibrachiata Crinoidea	9
<i>Comaster multibrachiatus Crinoidea</i>	9
<i>Comaster multifida Crinoidea</i>	10
Comaster multifidus Crinoidea	10
Comaster parvus Crinoidea	11
<i>Comaster parvus Crinoidea</i>	15
Comastrocrinus ornatus Crinoidea	64
Comastrocrinus springeri Crinoidea	65

<i>comata Ophiothrix</i> Ophiuroidea	137
Comatella maculata Crinoidea	12
Comatella nigra Crinoidea	13
<i>Comatella stellifera</i> Crinoidea	14
Comatella stelligera Crinoidea	14
<i>Comatula (Alecto) reynaudi</i> Crinoidea	24
Comatula brevicirra Crinoidea	15
<i>Comatula carinata</i> Crinoidea	48
<i>Comatula indica</i> Crinoidea	31
<i>Comatula mariae</i> Crinoidea	1
Comatula micraster Crinoidea	16
Comatula pectinata Crinoidea	17
<i>Comatula philiberti</i> Crinoidea	23
<i>compactus Paraster</i> Echinoidea	89
compactus Schizaster (Paraster) Echinoidea	89
<i>complanatus Psolus</i> Holothuroidea	67
composita Ophiacantha Ophiuroidea	76
compsus Ophiocormus Ophiuroidea	71
<i>compsus Ophiostegastus</i> Ophiuroidea	71
compta Heterometra Crinoidea	22
conferta Protankyra Holothuroidea	125
<i>confinis Dorigona</i> Asteroidea	79
confinis Ophiophrixus Ophiuroidea	2
confinis Rosaster Asteroidea	79
<i>conjugans Stulus</i> Holothuroidea	97
<i>conjugens Stulus</i> Holothuroidea	97
<i>conjungens Ophiopeza</i> Ophiuroidea	74
<i>conjungens Ophiopsammus</i> Ophiuroidea	74
conjungens Stulus Holothuroidea	97
<i>conjungens Thyone</i> Holothuroidea	97
conservata Oneiriphanta Holothuroidea	107
<i>conspicua Bathypectinura</i> Ophiuroidea	63
<i>conspicua Pectinura</i> Ophiuroidea	63
contortum Ankyloderma Holothuroidea	142
<i>cornutum Astrophyton</i> Ophiuroidea	7

<i>cornutus Gorgonocephalus</i> Ophiuroidea	7
<i>coronata Asterina</i> Asteroidea	43
coronata Asterina Asteroidea	44
coronata Stephanometra Crinoidea	30a
<i>costae Linckia</i> Asteroidea	117
<i>Cotylometra gracilicirra</i> Crinoidea	35
Craspedometra acuticirra Crinoidea	19
Craspedometra anceps Crinoidea	20
<i>Craspidaster glauconotus</i> Asteroidea	17
Craspidaster hesperus Asteroidea	17
<i>Craspidaster hesperus glauconotus</i> Asteroidea	17
crassa Glyptometra Crinoidea	56
<i>crassa Linckia</i> Asteroidea	116
<i>crassa Pachylometra</i> Crinoidea	56
crenulatus Bathyplores Holothuroidea	44
cribellum Cheiraster Asteroidea	37
cribellum Fibularia Echinoidea	64
<i>cribellum Pontaster</i> Asteroidea	37
<i>Cribrella mutans</i> Asteroidea	137
<i>Cribrella praestans</i> Asteroidea	137
cribrosus Euretaster Asteroidea	130
<i>cribrosus Pteraster</i> Asteroidea	130
crispus Echinocyamus Echinoidea	62
cristatus Benthothuria Holothuroidea	48
croceus Persephonaster Asteroidea	22
<i>Crotalometra eridanella</i> Crinoidea	50
Crotalometra rustica Crinoidea	50
Crotalometra sentifera Crinoidea	51
ctenipes Pentagonaster sp. prox. Asteroidea	73
<i>Cucumaria africana</i> Holothuroidea	71
<i>Cucumaria alcocki</i> Holothuroidea	102
Cucumaria ardens Holothuroidea	83
Cucumaria ariana Holothuroidea	84
<i>Cucumaria assimilis</i> Holothuroidea	71
<i>Cucumaria bacilliformis</i> Holothuroidea	90

<i>Cucumaria echinata</i> Holothuroidea	94
<i>Cucumaria forbesi</i> Holothuroidea	80
Cucumaria frauenfeldi Holothuroidea	85
<i>Cucumaria imbricata</i> Holothuroidea	91
Cucumaria inflexa Holothuroidea	86
<i>Cucumaria investigatoris</i> Holothuroidea	99
<i>Cucumaria pigra</i> Holothuroidea	89
<i>Cucumaria rapax</i> Holothuroidea	98
<i>Cucumaria semperi</i> Holothuroidea	89
Cucumaria sp. Holothuroidea	87a
Cucumaria turbinata Holothuroidea	87
cueneti Ceramaster Asteroidea	60
<i>cueneti</i> <i>Pentagonaster</i> (<i>Tosia</i>) Asteroidea	60
<i>Culcita grex</i> Asteroidea	86
Culcita novaeguineae Asteroidea	86
<i>Culcita novaeguineae</i> var. <i>arenosa</i> Asteroidea	86
<i>Culcita novaeguineae</i> var. <i>plana</i> Asteroidea	86
<i>Culcita novaeguineae</i> Asteroidea	86
<i>Culcita pentangularis</i> Asteroidea	86
<i>Culcita pentangularis</i> Asteroidea	87
<i>Culcita pulverulenta</i> Asteroidea	86
Culcita schmideliana Asteroidea	87
custos Ophiopeza Ophiuroidea	72
cyclostomus Echinoneus Echinoidea	55
<i>cylindrica</i> <i>Asterias</i> Asteroidea	106
cylindricus Dactylosaster Asteroidea	106
<i>cylindricus</i> <i>Ophidiaster</i> Asteroidea	106
cyrtacanthus Amphioplus (Amphioplus) Ophiuroidea	99
<i>cyrtacanthus</i> <i>Amphioplus</i> Ophiuroidea	99
Dactylosaster cylindricus Asteroidea	106
danae Ophiothela Ophiuroidea	135
danielsen Ankyloderma Holothuroidea	143
decagonale Laganum Echinoidea	66
<i>decagonale</i> <i>Laganum</i> Echinoidea	67
<i>decagonalis</i> <i>Scutella</i> Echinoidea	66

Decametra brevicirra Crinoidea	35a
Decametra moebiusi Crinoidea	35b
Decametrocrinus Crinoidea	61
Decametrocrinus Crinoidea	61
<i>Decametrocrinus</i> Crinoidea	62
<i>Decametrocrinus</i> Crinoidea	62
<i>decora</i> <i>Ophiacantha</i> Ophiuroidea	77
Deima blakei Holothuroidea	105
Deima validum Holothuroidea	106
delagoa <i>Ophiactis</i> Ophiuroidea	91
demessa <i>Macrophiothrix</i> Ophiuroidea	121
<i>demessa</i> <i>Ophiothrix</i> Ophiuroidea	121
dendroides <i>Allopatides</i> Holothuroidea	41
Dendrothuria similes Holothuroidea	159
dentata <i>Ophiocoma</i> Ophiuroidea	48
denticulata <i>Histocidaris</i> Echinoidea	2
denticulata <i>Protankyra</i> Holothuroidea	126
denudata <i>Luidia</i> (<i>Luidia</i>) Asteroidea	1
<i>denudata</i> <i>Luidia</i> Asteroidea	1
denudatus <i>Elipneustes</i> Echinoidea	109
<i>denudatus</i> <i>Eurypneustes</i> Echinoidea	109
depressa <i>Coenopedina</i> Echinoidea	26
depressum <i>Laganum</i> Echinoidea	67
depressus <i>Amphioplus</i> (<i>Lymanella</i>) Ophiuroidea	102
<i>depressus</i> <i>Amphioplus</i> Ophiuroidea	102
<i>depressus</i> <i>Amphipholis</i> Ophiuroidea	102
<i>desori</i> <i>Echinothrix</i> Echinoidea	23
<i>destinatus</i> <i>Clypeaster</i> Echinoidea	56
diadema <i>Echinothrix</i> Echinoidea	24
<i>diadema</i> <i>Echinus</i> Echinoidea	24
Diadema savignyi Echinoidea	21
<i>Diadema savignyi</i> Echinoidea	22
<i>Diadema saxatile</i> Echinoidea	22
<i>Diadema saxatile</i> Echinoidea	24
<i>Diadema setosum</i> Echinoidea	21

Diadema setosum Echinoidea	22
<i>Dichrometra aranea</i> Crinoidea	30
Dichrometra ciliata Crinoidea	27
<i>Dichrometra palmata</i> Crinoidea	29
Dichrometra protectus Crinoidea	28
<i>Dictenophiura stellata</i> Ophiuroidea	34
Dictyaster woodmasoni Asteroidea	133
Dictyaster xenophilus Asteroidea	132
<i>difficilis Actinocucumis</i> Holothuroidea	70
difficilis Holothuria (Platyperona) Holothuroidea	22
<i>difficilis Holothuria</i> Holothuroidea	22
<i>dilatata Ophiocnida</i> Ophiuroidea	116
<i>dilatatus Ophiocentrotus</i> Ophiuroidea	116
dilatatus Ophiocentrus Ophiuroidea	116
diligens Ophiothrix (Acanthophiothrix) Ophiuroidea	136
<i>diligens Ophiothrix</i> Ophiuroidea	136
<i>diplex Ophidiaster</i> Asteroidea	115
Dipsacaster pentagonalis Asteroidea	18
Dipsacaster sladeni Asteroidea	19
<i>Disasterina ceylanicus</i> Asteroidea	52
<i>Disasterina leptacantha</i> Asteroidea	47
Disasterina leptalacantha Asteroidea	47
Disasterina spinosa Asteroidea	48
Disasterina spinulifera Asteroidea	49
discolor Colobometra Crinoidea	34
dispar Amphiura Ophiuroidea	111
dissidens Pelopatides Holothuroidea	54
distortus Benthothuria Holothuroidea	49
doederleini Ophiocoma Ophiuroidea	49
doederleini Paratrema Echinoidea	34
<i>doederleini Pentagonaster</i> Asteroidea	74
<i>doederleini Pleurechinus</i> Echinoidea	34
doederleini Plinthaster Asteroidea	74
<i>doederleini Temnotrema</i> Echinoidea	34
Dorigona belli Asteroidea	68

<i>Dorigona confinis</i> Asteroidea	79
<i>Dorigona ludwigi</i> Asteroidea	68
<i>Dorigona nora</i> Asteroidea	69
<i>Dorigona pentaphylla</i> Asteroidea	65
<i>Dorigona ternalis</i> Asteroidea	68
<i>Dorocidaris alcocki</i> Echinoidea	8
<i>Dorocidaris lorioli</i> Echinoidea	12
<i>Dorocidaris tiara</i> Echinoidea	13
Dorometra nana Crinoidea	42
Dougaloplus echinatus Ophiuroidea	114
<i>dubia Ophiolepis</i> Ophiuroidea	61
dubia Ophionereis Ophiuroidea	61
<i>dubiosa Linckia</i> Asteroidea	126
dubiosa Tamar ia Asteroidea	126
<i>dubius Caulaster</i> Asteroidea	27
duplex Pseudothuria Holothuroidea	162
<i>duplicata Amphiura</i> Ophiuroidea	115
duplicata Histampica Ophiuroidea	115
dura Thyone Holothuroidea	100
dussumieri Salmaciella Echinoidea	37
<i>dussumieri Salmacis</i> Echinoidea	37
<i>Dytaster anacanthus</i> Asteroidea	23
<i>Dytaster exilis</i> Asteroidea	20
Dytaster insignis Asteroidea	20
ecalcareum Trochostoma Holothuroidea	149
<i>Echinanthus humilis</i> Echinoidea	58
<i>Echinanthus ovatus</i> Echinoidea	81
Echinaster (Echinaster) callosus Asteroidea	134
Echinaster (Echinaster) luzonicus Asteroidea	135
Echinaster (Echinaster) purpureus Asteroidea	136
<i>Echinaster callosus</i> Asteroidea	134
<i>Echinaster eridanella</i> Asteroidea	136
<i>Echinaster luzonicus</i> Asteroidea	135
<i>Echinaster purpureus</i> Asteroidea	135
<i>Echinaster purpureus</i> Asteroidea	136

<i>echinata Cucumaria</i> Holothuroidea	94
<i>echinata Ophiocnida</i> Ophiuroidea	114
echinatus Dougaloplus Ophiuroidea	114
<i>echinatus Ophiophragmus</i> Ophiuroidea	114
echinatus Pseudocnus Holothuroidea	94
<i>echinites Acanthaster</i> Asteroidea	102
echinites Actinopyga Holothuroidea	1
Echinocyamus crispus Echinoidea	62
Echinocyamus sollers Echinoidea	63
Echinodiscus auritus Echinoidea	77
<i>Echinodiscus biforis</i> Echinoidea	78
Echinodiscus bisperforatus Echinoidea	78
<i>Echinodiscus bisperforatus</i> var. <i>truncatus</i> Echinoidea	78
<i>Echinodiscus laganum</i> Echinoidea	68
<i>Echinodiscus orbicularis</i> Echinoidea	74
<i>Echinolampas (Echinolampas) alexandri alexandri</i> Echinoidea	79
<i>Echinolampas (Echinolampas) ovata</i> Echinoidea	81
Echinolampas alexandri Echinoidea	79
Echinolampas castanea Echinoidea	80
Echinolampas ovata Echinoidea	81
<i>Echinolampas ovatus</i> Echinoidea	81
<i>Echinolampas oviformis</i> Echinoidea	81
<i>Echinometra lucunter</i> Echinoidea	50
Echinometra mathaei Echinoidea	50
<i>Echinometra mathaei oblonga</i> Echinoidea	51
<i>Echinometra mathaei</i> var. <i>oblonga</i> Echinoidea	50
<i>Echinometra mathaei</i> var. <i>oblonga</i> Echinoidea	51
Echinometra oblonga Echinoidea	51
<i>Echinometra setosa</i> Echinoidea	22
Echinoneus cyclostomus Echinoidea	55
<i>Echinostrephus molare</i> Echinoidea	52
Echinostrephus molaris Echinoidea	52
Echinothrix calamaris Echinoidea	23
<i>Echinothrix desori</i> Echinoidea	23
Echinothrix diadema Echinoidea	24

<i>Echinothrix turcarum</i> Echinoidea	24
<i>Echinus atratus</i> Echinoidea	49
<i>Echinus calamaris</i> Echinoidea	23
<i>Echinus diadema</i> Echinoidea	24
<i>Echinus globulus</i> Echinoidea	32
<i>Echinus gratilla</i> Echinoidea	48
<i>Echinus mammillatus</i> Echinoidea	53
<i>Echinus mathaei</i> Echinoidea	50
<i>Echinus molare</i> Echinoidea	52
<i>Echinus pileolus</i> Echinoidea	47
<i>Echinus placenta</i> Echinoidea	61
<i>Echinus reticulatus</i> Echinoidea	60
<i>Echinus robillardi</i> Echinoidea	45
<i>Echinus saxatile</i> Echinoidea	22
<i>Echinus spatagus</i> Echinoidea	99
<i>Echinus trigonarius</i> Echinoidea	54
<i>Echinus variolaris</i> Echinoidea	29
<i>edulis</i> <i>Holothuria</i> (<i>Halodeima</i>) Holothuroidea	12
<i>edulis</i> <i>Holothuria</i> (<i>Holothuria</i>) Holothuroidea	12
<i>edulis</i> <i>Holothuria</i> Holothuroidea	12
<i>egyptiaca</i> <i>Gomophia</i> Asteroidea	111
<i>ehrenbergi</i> <i>Linckia</i> Asteroidea	115
<i>ehrenbergi</i> <i>Ophidiaster</i> Asteroidea	115
<i>ehrenbergi</i> <i>Oshimella</i> Holothuroidea	72
<i>elegans</i> <i>Asterodiscides</i> Asteroidea	83
<i>elegans</i> <i>Asterodiscus</i> Asteroidea	83
<i>elegans</i> <i>Asterodiscus</i> Asteroidea	83
<i>elegans</i> <i>Astroboa nuda</i> var. Ophiuroidea	6
<i>elegans</i> <i>Filithuria</i> Holothuroidea	115
<i>elegans</i> <i>Filithuria</i> Holothuroidea	117
<i>elegans</i> <i>Histocidaris</i> Echinoidea	2
<i>elegans</i> <i>Ophiarthrum</i> Ophiuroidea	44
<i>elegans</i> <i>Ophiarthrum</i> Ophiuroidea	44
<i>elegans</i> <i>Ophiogymna</i> Ophiuroidea	129
<i>elegans</i> <i>Ophiomusium</i> Ophiuroidea	14

<i>elegans</i> Ophiomusium Ophiuroidea	22
elegans Ophiomusium Ophiuroidea	22
elegans Ophiopteron Ophiuroidea	134
<i>elegans</i> Trichaster Ophiuroidea	4a
Elipneustes denudatus Echinoidea	109
Elipneustes rubens Echinoidea	110
elongata Lovenia Echinoidea	104
<i>elongata</i> Spatangus Echinoidea	104
<i>elongatum</i> Molpadia Holothuroidea	150
elongatum Trochostoma Holothuroidea	150
emburyi Tegulaster Asteroidea	53
<i>encrinus</i> Tropiometra Crinoidea	48
<i>equestris</i> Asterias Asteroidea	82
<i>equestris</i> Stellaster Asteroidea	82
<i>equstris</i> Stellaster Asteroidea	81
<i>eridanella</i> Crotalometra Crinoidea	50
<i>eridanella</i> Echinaster Asteroidea	136
erinaceus Holothuria (Selenkothuria) Holothuroidea	23
<i>erinaceus</i> Holothuria Holothuroidea	23
erinaceus Ophiocoma Ophiuroidea	50
errata Protankyra Holothuroidea	127
Euantedon Crinoidea	41
Euantedon Crinoidea	41
Euapta godeffroyi Holothuroidea	120
Eucidaris metularia Echinoidea	1
Eudiocrinus minor Crinoidea	54
Eudiocrinus ornatus Crinoidea	55
<i>Eudiocrinus varians</i> Crinoidea	60
<i>Eumetra indica</i> Crinoidea	40
<i>Eupatagus</i> (<i>Gymnopatagus</i>) <i>valdiviae</i> Echinoidea	97
<i>Eupatagus magnus</i> Echinoidea	96
<i>Eupatagus valdiviae</i> Echinoidea	97
Eupyrgus scaber Holothuroidea	160
Euretaster cribrus Asteroidea	130
<i>Euretaster insignis</i> Asteroidea	130

Euriplastes obscura Holothuroidea	117
euryacanthus Astropecten Asteroidea	8
<i>Euryale exiguum</i> Ophiuroidea	7
<i>Eurypneustes denudatus</i> Echinoidea	109
<i>Eurypneustes rubens</i> Echinoidea	110
<i>exigua Asterina</i> Asteroidea	51
exigua Ophiothrix (Ophiothrix) Ophiuroidea	143
<i>exigua Ophiothrix</i> Ophiuroidea	143
<i>exigua Patiriella</i> Asteroidea	51
<i>exiguum Euryale</i> Ophiuroidea	7
exiguus Astrocladus Ophiuroidea	7
<i>exilis Dytaster</i> Asteroidea	20
exilis Holothuria (Mertensiothuria) Holothuroidea	14
<i>exilis Holothuria</i> Holothuroidea	14
fallax arabica Ophiopeza Ophiuroidea	73
<i>fallax Ophiopeza</i> Ophiuroidea	73
familiare Ophiomusium Ophiuroidea	15
famula Amphiura Ophiuroidea	112
Faorina chinensis Echinoidea	85
faouzii Andora (Andora) Asteroidea	103
<i>faouzii Nardoa (Andora)</i> Asteroidea	103
<i>faouzii Nardoa</i> Asteroidea	103
fasciculata Ophiocamax Ophiuroidea	83
fastosum Astroschema Ophiuroidea	8
<i>Ferdina offreti</i> Asteroidea	122
<i>Ferdina offreti</i> Asteroidea	125a
<i>fervens Clypeaster (Rhaphidoclypus)</i> Echinoidea	57
fervens Clypeaster Echinoidea	57
<i>fibriatum medium Ophiomusium</i> Ophiuroidea	16
<i>Fibularia (Fibulariella) oblonga</i> Echinoidea	64a
Fibularia cribellum Echinoidea	64
Fibularia oblonga Echinoidea	64a
Fibularia volva Echinoidea	65
Filithuria elegans Holothuroidea	115
<i>Filithuria elegans</i> Holothuroidea	117

flmbriatum Ophiomusium Ophiuroidea	16
<i>fisheri Astroceramis</i> Asteroidea	57
fisheri Astroceramus Asteroidea	57
<i>Fistularia impatiens</i> Holothuroidea	32
<i>flaccidus Ophidiaster</i> Asteroidea	115
<i>flagellata Ophioglypha</i> Ophiuroidea	39
flagellata Ophiura Ophiuroidea	39
<i>flagellifer Trichaster</i> Ophiuroidea	4a
flexuosa var. perplexa Ophiactis Ophiuroidea	92
<i>florifer Mediaster</i> Asteroidea	80
<i>florifer Nymphaster</i> Asteroidea	80
florifer Rosaster Asteroidea	80
<i>flosculum Asteroschema</i> Ophiuroidea	4
flosculus Asteromorpha Ophiuroidea	4
<i>flosculus Asteroschema</i> Ophiuroidea	4
forbesi Aslia Holothuroidea	80
<i>forbesi Cucumaria</i> Holothuroidea	80
<i>forbesi Ophioglypha</i> Ophiuroidea	40
forbesi Ophiura Ophiuroidea	40
forcipulatus Phyllacanthus Echinoidea	3
forficulatus Goniodisaster Asteroidea	88
<i>forficulatus Goniodiscus</i> Asteroidea	88
formosa Ophiostigma Ophiuroidea	118
<i>foveolata Ophiothrix</i> Ophiuroidea	144
foveolata Ophiothrix (Ophiothrix) Ophiuroidea	144
fragilis Benthophyces Holothuroidea	158
<i>fragilis Phyllophorus</i> Holothuroidea	78
fragilis Phyrella Holothuroidea	78
frauenfeldi Cucumaria Holothuroidea	85
Freyastera benthophila Asteroidea	157a
Freyastera tuberculata Asteroidea	157b
<i>Freyella benthophila</i> Asteroidea	157a
Freyella indica Asteroidea	158
<i>Freyella tuberculata</i> Asteroidea	157b
frianti Nardoa Asteroidea	118

<i>Fromia andamanensis</i> Asteroidea	108
Fromia armata Asteroidea	107
<i>Fromia ghardaqana</i> Asteroidea	110
Fromia indica Asteroidea	108
<i>Fromia japonica</i> Asteroidea	110
<i>Fromia major</i> Asteroidea	110
Fromia mileporella Asteroidea	109
Fromia monilis Asteroidea	110
<i>Fromia tumida</i> Asteroidea	108
fumaria Ophiothrix (Ophiothrix) Ophiuroidea	145
<i>fumaria Ophiothrix</i> Ophiuroidea	145
fumaria Ophiothrix (Placophiothrix) Ophiuroidea	149
fusca Tamaris Asteroidea	127
fuscocinerea Holothuria (Mertensiothuria) Holothuroidea	15
<i>fuscocinerea Holothuria</i> Holothuroidea	15
fuscogilva Holothuria (Microthele) Holothuroidea	20
<i>fuscus</i> var. <i>papuensis</i> <i>Thyone</i> Holothuroidea	101
galathea Macrophiothrix Ophiuroidea	122
galathea Nardoa Asteroidea	119
<i>galathea Ophiothrix</i> Ophiuroidea	122
<i>galathea Ophiothrix</i> Ophiuroidea	123
<i>galathea Scytaster</i> Asteroidea	119
ganapati Psamothuria Holothuroidea	135
<i>gelatinosa Benthodytes</i> Holothuroidea	55
gelatinosus Pelopatides Holothuroidea	55
<i>ghardaqana Fromia</i> Asteroidea	110
<i>gibberulus Paraster (Schizaster)</i> Echinoidea	90
<i>gibberulus Paraster</i> Echinoidea	90
gibberulus Schizaster (Paraster) Echinoidea	90
<i>gibberulus Schizaster</i> Echinoidea	90
gilesii Zoroaster Asteroidea	145
glaber Leiaster Asteroidea	113
<i>glaber Ophnurgus asper</i> var. Holothuroidea	108
glaber Orphnurgus Holothuroidea	108
<i>glaberrima Holothuria (Selenkothuria)</i> Holothuroidea	23

<i>glaberrima</i> Holothuria Holothuroidea	23
<i>glauca</i> Araeolampas Echinoidea	107
<i>glauca</i> Homolampas Echinoidea	107
<i>glauconotus</i> Craspidaster Asteroidea	17
<i>globulus</i> Echinus Echinoidea	32
<i>globulus</i> Mespilia Echinoidea	32
<i>glutonisa</i> Benthodytes Holothuroidea	113
Glyptometra crassa Crinoidea	56
Glyptometra invenusta Crinoidea	57
Glyptometra macilenta Crinoidea	58
<i>godeffroyi</i> Euapta Holothuroidea	120
<i>godeffroyi</i> Synapta Holothuroidea	120
Gomophia egyptiaca Asteroidea	111
Goniodisaster forficulatus Asteroidea	88
Goniodiscaster scaber Asteroidea	89
<i>Goniodiscaster scaber</i> Asteroidea	90
Goniodiscater vallei Asteroidea	90
<i>Goniodiscus capella</i> Asteroidea	70
<i>Goniodiscus forficulatus</i> Asteroidea	88
<i>Goniodiscus scaber</i> Asteroidea	89
<i>Goniodiscus sebae</i> Asteroidea	86
<i>Goniodiscus vallei</i> Asteroidea	90
Goniopecten Asteroidea	39
Goniopecten Asteroidea	39
<i>gorgonia</i> Ophiarachna Ophiuroidea	66
<i>gorgonia</i> Ophiarachnella Ophiuroidea	66
<i>gorgonia</i> Pectinura Ophiuroidea	66
<i>gorgonia</i> Pectinura Ophiuroidea	70
<i>Gorgonocephalus cornutus</i> Ophiuroidea	7
<i>gracilicirra</i> Cotylometra Crinoidea	35
<i>gracilicirra</i> Oligomatra Crinoidea	35
<i>gracilis</i> Actinometra Crinoidea	8
<i>gracilis</i> Anapta Holothuroidea	118
<i>gracilis</i> Brisinga Asteroidea	157
<i>gracilis</i> Comaster Crinoidea	8

gracilis Holothuria (Thymiosycia) Holothuroidea	30
<i>gracilis Holothuria</i> Holothuroidea	30
<i>gracilis Oreaster</i> Asteroidea	93
gracilis Pentaceraster Asteroidea	93
<i>gracilis Pentaceraster</i> Asteroidea	93
gracilis Persephonaster Asteroidea	23
<i>gracilis Psilaster</i> Asteroidea	23
gracilis Stegnobrisinga Asteroidea	157
graeffei Bohadschia Holothuroidea	6
granulatum Chaetodiadema Echinoidea	20
granulatus Choriaster Asteroidea	85
<i>granulatus Ophiolipus</i> Ophiuroidea	13
granulatus Ophiolypus Ophiuroidea	13
<i>gratilla Echinus</i> Echinoidea	48
gratilla Tripneustes Echinoidea	48
<i>gratiosa Ophiacantha</i> Ophiuroidea	75
<i>gratiosa Ophiotreta</i> Ophiuroidea	75
gravelyi Amphiplus (Lymanella) Ophiuroidea	103
<i>grayi Oreaster</i> Asteroidea	94
gregalis Lovenia Echinoidea	105
greigi Astropecten Asteroidea	9
<i>grex Culcita</i> Asteroidea	86
grisea Opheodesoma Holothuroidea	123
<i>grisea Synapta</i> Holothuroidea	123
guildingi Linckia Asteroidea	115
gunni Brisinga Asteroidea	153
<i>Gymnechinus megaloplax</i> Echinoidea	45
<i>Gymnechinus pallidus</i> Echinoidea	45
Gymnechinus robillardi Echinoidea	45
Gymnolophus obscura Ophiuroidea	119
Gymnopatagus magnus Echinoidea	96
<i>Gymnopatagus sewelli</i> Echinoidea	96
Gymnopatagus valdiviae Echinoidea	97
Gymnopelta indica Ophiuroidea	64
H(Thymiosycia) olothuria arenicola Holothuroidea	29

Halityle regularis Asteroidea	91
<i>Haplodactyla andamanensis</i> Holothuroidea	154
<i>Haplodactyla australis</i> Holothuroidea	154
<i>Haplodactyla molpadioides</i> Holothuroidea	153
hardwicki Luidia (Luidia) Asteroidea	2
<i>hardwicki Luidia</i> Asteroidea	2
<i>hardwicki Petalaster</i> Asteroidea	2
<i>hastata Amphiura</i> Ophiuroidea	104
hastatus Amphioplus (Lymanella) Ophiuroidea	104
<i>hastatus Amphipholis</i> Ophiuroidea	104
havelockensis Trochodota Holothuroidea	140
<i>Havelockia herdmani</i> Holothuroidea	88
Havelockia versicolor Holothuroidea	88
<i>hawaiiensis Leiaster leachi</i> Asteroidea	114
<i>hedemanni Oreaster</i> Asteroidea	94
<i>hedemanni Pentaceros</i> Asteroidea	95
Hemiaster vanus Echinoidea	82
<i>hemingi Archeopneustes</i> Echinoidea	111
hemingi Heterobrissus Echinoidea	111
<i>hemingi Paleopneustes</i> Echinoidea	111
Hemithyone semperi Holothuroidea	89
hemprichi Astropecten Asteroidea	10
<i>hemprichi Astropecten</i> Asteroidea	15
hemprichi Ophidiaster Asteroidea	124
Henricia mutans Asteroidea	137
herdmani Cenometra Crinoidea	33
<i>herdmani Havelockia</i> Holothuroidea	88
<i>herdmani Thyone</i> Holothuroidea	88
heros Bathypectinura Ophiuroidea	63
<i>heros Pectinura</i> Ophiuroidea	63
herrmanni Stichopus Holothuroidea	37
<i>herrmanni Stichopus variegatus</i> Holothuroidea	37
<i>hesperus Archaster</i> Asteroidea	17
hesperus Craspidaster Asteroidea	17
<i>hesperus glauconotus Craspidaster</i> Asteroidea	17

Heterobrissus hemingi Echinoidea	111
Heterocentrotus mammillatus Echinoidea	53
Heterocentrotus trigonarius Echinoidea	54
Heterometra bengalensis Crinoidea	21
Heterometra compta Crinoidea	22
Heterometra philiberti Crinoidea	23
Heterometra reynaudi Crinoidea	24
Heteronardoa carinata Asteroidea	112
hilla Holothuria (Thymiosycia) Holothuroidea	31
<i>hilla Holothuria</i> Holothuroidea	31
<i>hills Holothuria (Thymiosycia)</i> Holothuroidea	31
Himerometra magnipinna Crinoidea	25
<i>Himerometra molleri</i> Crinoidea	18a
<i>Himerometra pulcher</i> Crinoidea	26
Himerometra robustipinna Crinoidea	26
<i>Hippasterias philippinensis</i> Asteroidea	86
hirsuta Macrophiothrix Ophiuroidea	127a
<i>hirsuta Ophiiothrix</i> Ophiuroidea	127a
hirsuta Tamaris Asteroidea	128
hirsutus Marsipaster Asteroidea	131b
<i>hirsutus Ophidiaster</i> Asteroidea	128
<i>hirsutus Pteraster</i> Asteroidea	131b
<i>hispidus Pectinaster</i> Asteroidea	38
<i>hispidus Pontaster</i> Asteroidea	38
Histampica duplicata Ophiuroidea	115
Histocidaris denticulata Echinoidea	2
<i>Histocidaris elegans</i> Echinoidea	2
Holothuria (Acanthotrapeza) pyxis Holothuroidea	9
Holothuria (Cystipus) inhabilis Holothuroidea	9a
Holothuria (Cystipus) rigida Holothuroidea	10
<i>Holothuria (Cystipus) rigida</i> Holothuroidea	19
Holothuria (Halodeima) atra Holothuroidea	11
<i>Holothuria (Halodeima) edulis</i> Holothuroidea	12
<i>Holothuria (Helodeima) atra</i> Holothuroidea	11
Holothuria (Holothuria) edulis Holothuroidea	12

Holothuria (Lessonothuria) pardalis Holothuroidea	13
Holothuria (Mertensiothuria) exilis Holothuroidea	14
Holothuria (Mertensiothuria) fuscocinerea Holothuroidea	15
Holothuria (Mertensiothuria) leucospilota Holothuroidea	16
Holothuria (Mertensiothuria) pervicax Holothuroidea	17
Holothuria (Metriatyla) albiventer Holothuroidea	17a
Holothuria (Metriatyla) ocellata Holothuroidea	18
Holothuria (Metriatyla) scabra Holothuroidea	19
Holothuria (Microthele) fuscogilva Holothuroidea	20
Holothuria (Microthele) nobilis Holothuroidea	21
Holothuria (Platyperona) difficilis Holothuroidea	22
Holothuria (Selenkothuria) erinaceus Holothuroidea	23
<i>Holothuria (Selenkothuria) glaberrima</i> Holothuroidea	23
Holothuria (Selenkothuria) moebii Holothuroidea	24
Holothuria (Semperothuria) cinerascens Holothuroidea	25
Holothuria (Stauropora) prompta Holothuroidea	26
Holothuria (Theelothuria) kurti Holothuroidea	27
Holothuria (Theelothuria) spinifera Holothuroidea	28
Holothuria (Thymiosycia) arenicola Holothuroidea	29
Holothuria (Thymiosycia) gracilis Holothuroidea	30
Holothuria (Thymiosycia) hilla Holothuroidea	31
<i>Holothuria (Thymiosycia) hills</i> Holothuroidea	31
Holothuria (Thymiosycia) impatiens Holothuroidea	32
Holothuria (Thymiosycia) remollescens Holothuroidea	32a
Holothuria (Vaneyothuria) integra Holothuroidea	33
<i>Holothuria albida</i> Holothuroidea	12
<i>Holothuria albiventer</i> Holothuroidea	17a
<i>Holothuria arenicola</i> Holothuroidea	29
<i>Holothuria argus</i> Holothuroidea	5
<i>Holothuria atra</i> Holothuroidea	11
<i>Holothuria cadelli</i> Holothuroidea	19
<i>Holothuria cinerascens</i> Holothuroidea	25
<i>Holothuria difficilis</i> Holothuroidea	22
<i>Holothuria edulis</i> Holothuroidea	12
<i>Holothuria erinaceus</i> Holothuroidea	23

<i>Holothuria exilis</i> Holothuroidea	14
<i>Holothuria fuscocinerea</i> Holothuroidea	15
<i>Holothuria glaberrima</i> Holothuroidea	23
<i>Holothuria gracilis</i> Holothuroidea	30
<i>Holothuria hilla</i> Holothuroidea	31
<i>Holothuria impatiens</i> Holothuroidea	32
<i>Holothuria impatiens</i> var. <i>bicolor</i> Holothuroidea	32
<i>Holothuria integra</i> Holothuroidea	33
<i>Holothuria kurti</i> Holothuroidea	27
<i>Holothuria leucospilota</i> Holothuroidea	16
<i>Holothuria lineata</i> Holothuroidea	13
<i>Holothuria lineata</i> Holothuroidea	13
<i>Holothuria lubrica</i> Holothuroidea	24
<i>Holothuria maculata</i> Holothuroidea	136
<i>Holothuria maculata</i> Holothuroidea	21
<i>Holothuria maculata</i> Holothuroidea	29
<i>Holothuria marenzelleri</i> Holothuroidea	23
<i>Holothuria marmorata</i> Holothuroidea	7
<i>Holothuria mauritiana</i> Holothuroidea	3
<i>Holothuria miliaris</i> Holothuroidea	4
<i>Holothuria moebii</i> Holothuroidea	24
<i>Holothuria monocaria</i> Holothuroidea	31
<i>Holothuria ocellata</i> Holothuroidea	18
<i>Holothuria papillata</i> Holothuroidea	9
<i>Holothuria pardalis</i> Holothuroidea	13
<i>Holothuria pervicax</i> Holothuroidea	17
<i>Holothuria prompta</i> Holothuroidea	26
<i>Holothuria pyxis</i> Holothuroidea	9
<i>Holothuria remollescens</i> Holothuroidea	32a
<i>Holothuria rigida</i> Holothuroidea	10
<i>Holothuria rugosa</i> Holothuroidea	34
<i>Holothuria scabra</i> Holothuroidea	19
<i>Holothuria spinifera</i> Holothuroidea	28
<i>Holothuria tenuissima</i>	8
<i>Holothuria vagabunda</i> Holothuroidea	16

Homalophiura inflata Ophiuroidea	35
Homolampas glauca Echinoidea	107
horrens Stichopus Holothuroidea	38
horridus Styracaster Asteroidea	29
horridus Synallactes Holothuroidea	62
Hosia spinulosa Asteroidea	86
huddlestoni Benthopecten Asteroidea	31
huddlestoni Pararchaster Asteroidea	31
humilis Clypeaster (Stolonoclypus) Echinoidea	58
humilis Clypeaster Echinoidea	58
humilis Echinanthus Echinoidea	58
humilis Meijerea Echinoidea	108
humilis Phrissocystis Echinoidea	108
Hygrosoma luculentum Echinoidea	14
Hymenaster alcocki Asteroidea	131
Hymenaster nobilis Asteroidea	131a
Hypalocrinus ornatus Crinoidea	64
Hypalocrinus springeri Crinoidea	65
Hyphalaster tara Asteroidea	25a
Hypselaster kempi Echinoidea	87
Iconaster pentaphyllus Asteroidea	65
Iconaster pentaphyllus Asteroidea	65
Iconometra intermedia Crinoidea	36
imbricata Cucumaria Holothuroidea	91
imbricata Leptopentacta Holothuroidea	91
imbricata Oligometra Crinoidea	37
imbricata Ophiolepis Ophiuroidea	21
imbricata Trachythyone Holothuroidea	91
imbricatus Ophioplocus Ophiuroidea	21
impatiens Fistularia Holothuroidea	32
impatiens Holothuria (Thymiosycia) Holothuroidea	32
impatiens Holothuria Holothuroidea	32
impatiens var. <i>bicolor</i> <i>Holothuria</i> Holothuroidea	32
imperialis Cidarites Echinoidea	4
imperialis Phyllacanthus Echinoidea	4

impressus Printechinus Echinoidea	35
<i>inцей Stellaster</i> Asteroidea	81
<i>inцей Stellaster</i> Asteroidea	82
incerta Bathyzona Holothuroidea	157
incerta Mesothuria Holothuroidea	51
incrassata Ophiarachna Ophiuroidea	65
<i>incrassata Ophiura</i> Ophiuroidea	65
<i>indiana Pseudoboletia</i> Echinoidea	46
indica Andrometra Crinoidea	40
<i>indica Comatula</i> Crinoidea	31
<i>indica Eumetra</i> Crinoidea	40
indica Freyella Asteroidea	158
indica Fromia Asteroidea	108
indica Gymnopelta Ophiuroidea	64
indica Ophiacantha Ophiuroidea	77
<i>indica Ophioconis</i> Ophiuroidea	64
indica Salenocidaris miliaris var. Echinoidea	28
<i>indica Scytaster</i> Asteroidea	108
indica Stephanometra Crinoidea	31
indica Stereocidaris Echinoidea	9
<i>indica Tropiometra</i> Crinoidea	48
<i>indicum Phormosoma</i> Echinoidea	15
<i>indicum Phormosoma</i> Echinoidea	16a
indicus Astropecten Asteroidea	11
indicus Benthopecten Asteroidea	32
indicus Brisaster Echinoidea	84
<i>indicus Pararchaster</i> Asteroidea	32
<i>indicus Pentaceraster</i> Asteroidea	97
<i>indicus Pentaceros</i> Asteroidea	97
<i>indicus Protoreaster</i> Asteroidea	97
<i>infelix Thalassometra</i> Crinoidea	50
<i>infenalis Pectinura</i> Ophiuroidea	67
<i>infernalis Ophiarachna</i> Ophiuroidea :	67
infernalis Ophiarachnella Ophiuroidea	67
inflata Homalophiura Ophiuroidea	35

<i>inflata</i> Ophioglypha Ophiuroidea	35
<i>inflexa</i> Cucumaria Holothuroidea	86
<i>inhabilis</i> Holothuria (Cystipus) Holothuroidea	9a
<i>innominata</i> Protankyra Holothuroidea	128
<i>insidiosa</i> Ophiothrix Ophiuroidea	144
<i>insignis</i> Archaster Asteroidea	20
<i>insignis</i> Dytaster Asteroidea	20
<i>insignis</i> Euretaster Asteroidea	130
<i>insignis</i> Pelopatides Holothuroidea	56
<i>insularia</i> var. <i>variegata</i> Ophiocoma Ophiuroidea	48
<i>insularum</i> Brisinga Asteroidea	154
<i>integra</i> Holothuria (Vaneyothuria) Holothuroidea	33
<i>integra</i> Holothuria Holothuroidea	33
<i>integra</i> Luidia (Luidia) Asteroidea	3
<i>integra</i> Luidia Asteroidea	3
<i>integra</i> Ophiomitra Ophiuroidea	85
<i>intermedia</i> Iconometra Crinoidea	36
<i>intermedia</i> Oligometra Crinoidea	36
<i>intermedia</i> Ophiarachnella Ophiuroidea	68
<i>intermedia</i> Pectinura Ophiuroidea	68
<i>intermedium</i> Ankyloderma Holothuroidea	144
<i>intermedius</i> Amphioplus Ophiuroidea	98
<i>intermedius</i> Pentagonaster Asteroidea	71
<i>intermedius</i> Phyllophorus Holothuroidea	74
<i>inusitata</i> Psathyrometra Crinoidea	43
<i>inutilis</i> Astropecten Asteroidea	12
<i>inutilis</i> Ophiacantha Ophiuroidea	75
<i>inutilis</i> Ophiocirce Ophiuroidea	27a
<i>invalidus</i> Orphnurgus Holothuroidea	109
<i>invenusta</i> Glyptometra Crinoidea	57
<i>invenusta</i> Pachylometra Crinoidea	57
<i>investigatoris</i> Amphideima Holothuroidea	104
<i>investigatoris</i> Amphideima Holothuroidea	155
<i>investigatoris</i> Cucumaria Holothuroidea	99
<i>investigatoris</i> Ophiothrix aristulata var. Ophiuroidea	141

<i>investigatoris</i> <i>Pentagonaster</i> Asteroidea	75
investigatoris <i>Plinthaster</i> Asteroidea	75
<i>investigatoris</i> <i>Prymnaster</i> Echinoidea	91
investigatoris <i>Schizaster</i> (<i>Paraster</i>) Echinoidea	91
investigatoris <i>Thaumatocrinus</i> Crinoidea	62
investigatoris <i>Thorsonia</i> Holothuroidea	99
<i>involuta</i> <i>Ophioglypha</i> Ophiuroidea	41
<i>iranica</i> <i>Acaudina</i> Holothuroidea	152
<i>iranica</i> <i>Aphelodactyla</i> Holothuroidea	152
<i>Iridometra nana</i> Crinoidea	42
<i>irregularis</i> <i>Ophidiaster</i> Asteroidea	115
<i>irrorata</i> <i>Ophioglypha</i> Ophiuroidea	41
irrorata <i>Ophiura</i> Ophiuroidea	41
<i>japonica</i> <i>Fromia</i> Asteroidea	110
japonicus <i>Apostichopus</i> Holothuroidea	35a
<i>javanicus</i> <i>Leptopentacta</i> Holothuroidea	91
javanicus <i>Leptopentacta</i> Holothuroidea	92
<i>javanicus</i> <i>Oncus</i> Holothuroidea	92
Johannaster <i>superbus</i> Asteroidea	64
<i>jordani</i> <i>Astrogonium</i> Asteroidea	76
jordani <i>Pseudarchaster</i> Asteroidea	76
<i>kempi</i> <i>Hypselaster</i> Echinoidea	87
<i>kempi</i> <i>Periaster</i> Echinoidea	87
kempi <i>Schizaster</i> (<i>Hypselaster</i>) Echinoidea	87
<i>kinbergi</i> <i>Ophioglypha</i> Ophiuroidea	42
kinbergi <i>Ophiura</i> Ophiuroidea	42
<i>Kleinia luzonica</i> Echinoidea	92
koehleri <i>Macrophiothrix</i> Ophiuroidea	123
<i>koreana</i> <i>Ophiothrix</i> Ophiuroidea	139
kurti <i>Holothuria</i> (<i>Theelothuria</i>) Holothuroidea	27
<i>kurti</i> <i>Holothuria</i> Holothuroidea	27
Labidodemas <i>rugosum</i> Holothuroidea	34
<i>Labidodemas</i> <i>rugosum</i> Holothuroidea	35
Labidodemas <i>semperianum</i> Holothuroidea	35
Labidoplax sp. Holothuroidea	121

laccadivensis Paraferdina Asteroidea	125
<i>lacertosa Pectinura</i> Ophiuroidea	63
Laetmogone spongiosa Holothuroidea	111
Laetmogone violacea Holothuroidea	112
<i>laevigata Asterias</i> Asteroidea	116
<i>laevigata Linckia</i> Asteroidea	115
laevigata Linckia Asteroidea	116
laevis Amphioplus (Lymanella) near Ophiuroidea	105
<i>laevis Amphioplus (Lymanella)</i> Ophiuroidea	105
<i>laevis Amphiura</i> Ophiuroidea	105
laevis Psolus Holothuroidea	69
<i>Laganum bonani</i> Echinoidea	68
Laganum decagonale Echinoidea	66
<i>Laganum decagonale</i> Echinoidea	67
Laganum depressum Echinoidea	67
<i>laganum Echinodiscus</i> Echinoidea	68
Laganum laganum Echinoidea	68
laganum Laganum Echinoidea	68
<i>Laganum lessueuri</i> Echinoidea	71
<i>Laganum mirabile</i> Echinoidea	59
<i>Laganum orbicularis</i> Echinoidea	74
Laganum retinens Echinoidea	69
<i>Laganum retinens</i> Echinoidea	69a
<i>Laganum retinense</i>	69a
Laganum versatile Echinoidea	70
<i>Laganum(?) rullandi</i> Echinoidea	76
Lamprometra palmata Crinoidea	29
<i>Lamprometra palmata palmata</i> Crinoidea	29
latecarinatus Brissus Echinoidea	95
<i>latecarinatus Spatangus brissus</i> var. Echinoidea	95
latissima Metalia Echinoidea	98
<i>leachi hawaiiensis Leiaster</i> Asteroidea	114
leachi Leiaster Asteroidea	114
<i>leachi Linckia</i> Asteroidea	117
<i>leachi Ophidiaster</i> Asteroidea	114

lecanora Actinopyga Holothuroidea	2
<i>lecanora Muelleria</i> Holothuroidea	2
<i>Leiaster brevispinus</i> Asteroidea	114
<i>Leiaster callipeplus</i> Asteroidea	113
Leiaster glaber Asteroidea	113
Leiaster leachi Asteroidea	114
<i>Leiaster leachi hawaiiensis</i> Asteroidea	114
lemonnieri Nardoa Asteroidea	120
<i>lepida Ophiothrix</i> Ophiuroidea	138
<i>lepidus Ophiothrix</i> Ophiuroidea	138
<i>leptacantha Disasterina</i> Asteroidea	47
<i>leptacantha Asterina</i> Asteroidea	47
leptacantha Disasterina Asteroidea	47
Leptopentacta bacilliformis Holothuroidea	90
Leptopentacta imbricata Holothuroidea	91
<i>Leptopentacta javanicus</i> Holothuroidea	91
Leptopentacta javanicus Holothuroidea	92
<i>Leptopentacta typica</i> (Théel) Holothuroidea	92
Leptosynapta sp. Holothuroidea	122
<i>Leskia mirabilis</i> Echinoidea	82a
<i>lessueuri Laganum</i> Echinoidea	71
lessueuri Peronella Echinoidea	71
<i>lesueri Peronella</i> Echinoidea	72
leucoprocta Acaudina Holothuroidea	152
<i>leucoprocta Aphelodactyla</i> Holothuroidea	152
leucospilota Holothuria (Mertensiothuria) Holothuroidea	16
<i>leucospilota Holothuria</i> Holothuroidea	16
<i>leucospilota Stichopus (Gymnochirota)</i> Holothuroidea	16
limbata Luidia (Luidia) Asteroidea	4
<i>limbata Luidia</i> Asteroidea	4
<i>lincki Asterias</i> Asteroidea	98
<i>lincki Oreaster</i> Asteroidea	98
lincki Protoreaster Asteroidea	98
<i>Linckia browni</i> Asteroidea	116
<i>Linckia costae</i> Asteroidea	117

<i>Linckia crassa</i> Asteroidea	116
<i>Linckia dubiosa</i> Asteroidea	126
<i>Linckia ehrenbergi</i> Asteroidea	115
<i>Linckia guildingi</i> Asteroidea	115
<i>Linckia laevigata</i> Asteroidea	115
<i>Linckia laevigata</i> Asteroidea	116
<i>Linckia leachi</i> Asteroidea	117
<i>Linckia megaloplax</i> Asteroidea	129
<i>Linckia miliaris</i> Asteroidea	116
<i>Linckia multifora</i> Asteroidea	117
<i>Linckia multiforis</i> Asteroidea	117
<i>Linckia nicobarica</i> Asteroidea	115
<i>Linckia pacifica</i> Asteroidea	115
<i>Linckia rosenbergi</i> Asteroidea	116
<i>Linckia typus</i> Asteroidea	116
<i>lineata</i> Ophiogymna Ophiuroidea	130
<i>lineolata</i> Ophiocoma Ophiuroidea	52
<i>Linopneustes spectabilis</i> Echinoidea	112
<i>Lithosoma pentaphylla</i> Asteroidea	65
<i>Lobophora truncata</i> Echinoidea	78
<i>longipeda</i> Macrophiothrix Ophiuroidea	124
<i>longipeda</i> Ophiiothrix Ophiuroidea	124
<i>longipeda</i> Ophiura Ophiuroidea	124
<i>lorioli</i> Amphiura Ophiuroidea	113
<i>lorioli</i> Asterina Asteroidea	45
<i>lorioli</i> Dorocidaris Echinoidea	12
<i>lorioli</i> Ophiactis Ophiuroidea	113
<i>lorioli</i> Ophiiothrix Ophiuroidea	138
<i>lorioli</i> Stylocidaris Echinoidea	12
<i>loveni</i> Astronyx Ophiuroidea	3
<i>Lovenia elongata</i> Echinoidea	104
<i>Lovenia gregalis</i> Echinoidea	105
<i>Lovenia subcarinata</i> Echinoidea	106
<i>lubrica</i> Holothuria Holothuroidea	24
<i>lubrica</i> Ophiocoma Ophiuroidea	51

luculentum Hygrosoma Echinoidea	14
<i>luculentum Phormosoma</i> Echinoidea	14
<i>lucunter Echinometra</i> Echinoidea	50
ludovici Anseropoda Asteroidea	40
<i>ludovici Palmipes</i> Asteroidea	40
<i>ludwigi Dorigona</i> Asteroidea	68
Luidia (Luidia) denudata Asteroidea	1
Luidia (Luidia) hardwicki Asteroidea	2
Luidia (Luidia) integra Asteroidea	3
Luidia (Luidia) limbata Asteroidea	4
Luidia (Luidia) maculata Asteroidea	5
Luidia (Luidia) savignyi Asteroidea	6
<i>Luidia denudata</i> Asteroidea	1
<i>Luidia hardwicki</i> Asteroidea	2
<i>Luidia integra</i> Asteroidea	3
<i>Luidia limbata</i> Asteroidea	4
<i>Luidia maculata</i> Asteroidea	5
<i>Luidia prionota</i> Asteroidea	2
<i>Luidia savignyi</i> Asteroidea	6
luzonica Brissopsis Echinoidea	92
<i>luzonica Kleinia</i> Echinoidea	92
<i>luzonica Othilia</i> Asteroidea	135
<i>luzonicus Brissopsis</i> Echinoidea	92
luzonicus Echinaster (Echinaster) Asteroidea	135
<i>luzonicus Echinaster</i> Asteroidea	135
lymani Ophiomusium Ophiuroidea	16a
macilenta Glyptometra Crinoidea	58
<i>macilenta Pachylometra</i> Crinoidea	58
<i>macilenta Perissometra</i> Crinoidea	58
Macrophiothrix aspidota Ophiuroidea	120
Macrophiothrix demessa Ophiuroidea	121
Macrophiothrix galathea Ophiuroidea	122
Macrophiothrix hirsuta Ophiuroidea	127a
Macrophiothrix koehleri Ophiuroidea	123
Macrophiothrix longipeda Ophiuroidea	124

Macrophiothrix propinqua Ophiuroidea	125
Macrophiothrix speciosa Ophiuroidea	126
Macrophiothrix variabilis Ophiuroidea	127
macroproctes Peronella Echinoidea	72
<i>maculata Actinometra</i> Crinoidea	12
maculata Comatella Crinoidea	12
<i>maculata Holothuria</i> Holothuroidea	136
<i>maculata Holothuria</i> Holothuroidea	21
<i>maculata Holothuria</i> Holothuroidea	29
maculata Luidia (Luidia) Asteroidea	5
<i>maculata Luidia</i> Asteroidea	5
maculata Pseudoboletia Echinoidea	46
maculata Synapta Holothuroidea	136
<i>maculatus Microcyphus</i> Echinoidea	33
<i>maculicollis Porocidaris</i> Echinoidea	13a
maculicollis Acanthocidaris Echinoidea	13a
<i>maculosa Metalia</i> Echinoidea	99
maculosa Ophiactis Ophiuroidea	93
magdalenae Circeaster Asteroidea	62
magna Perizona Holothuroidea	161
magnipinna Himerometra Crinoidea	25
<i>magnus Eupatagus</i> Echinoidea	96
magnus Gymnopatagus Echinoidea	96
<i>major Fromia</i> Asteroidea	110
mamillifer Calliaster Asteroidea	59
<i>mamillifera Nardoa</i> Asteroidea	118
<i>mammillatus Echinus</i> Echinoidea	53
mammillatus Heterocentrotus Echinoidea	53
mannarensis Psolus Holothuroidea	67
marcelli Circeaster Asteroidea	63
<i>marenzelleri Ankyloderma</i> Holothuroidea	127
<i>marenzelleri Holothuria</i> Holothuroidea	23
Maretia alta Echinoidea	102
Maretia ovata Echinoidea	101a
Maretia planulata Echinoidea	101a

mariae Capillaster Crinoidea	1
<i>mariae Comatula</i> Crinoidea	1
marmorata Bohadschia Holothuroidea	7
<i>marmorata Holothuria</i> Holothuroidea	7
marmorata Ophiocnemis Ophiuroidea	128
<i>marmorata Ophiura</i> Ophiuroidea	128
Marsipaster hirsutus Asteroidea	131b
Mastigometra micropoda Crinoidea	42a
mathaei Echinometra Echinoidea	50
<i>mathaei Echinus</i> Echinoidea	50
<i>mathaei oblonga Echinometra</i> Echinoidea	51
<i>mathaei</i> var. <i>oblonga Echinometra</i> Echinoidea	50
<i>mathaei</i> var. <i>oblonga Echinometra</i> Echinoidea	51
<i>matura Ophiacantha</i> Ophiuroidea	87
mauritiana Actinopyga Holothuroidea	3
<i>mauritiana Holothuria</i> Holothuroidea	3
<i>mauritiana Muelleria</i> Holothuroidea	3
<i>mauritanus Astropecten</i> Asteroidea	11
<i>mauritanus Astropecten</i> Asteroidea	7
mazophora Scleraasterias Asteroidea	149
<i>mazophorus Asterias</i> Asteroidea	149
Mediaster arcuatus Asteroidea	66
<i>Mediaster florifer</i> Asteroidea	80
<i>Mediaster roseus</i> Asteroidea	78
<i>Medister</i> sp. Asteroidea	78
<i>Medister</i> sp. Asteroidea	78
<i>medium Ophiomusium fibriatum</i> Ophiuroidea	16
<i>megaloplax Gymnechinus</i> Echinoidea	45
<i>megaloplax Linckia</i> Asteroidea	129
megaloplax Ophiarachnella Ophiuroidea	69
<i>megaloplax Pectinura</i> Ophiuroidea	69
megaloplax Tamaris Asteroidea	129
<i>Meijerea humilis</i> Echinoidea	108
membranaceus Psolus Holothuroidea	68
<i>merguiensis Peronella</i> Echinoidea	75

Mesothuria abbreviata Holothuroidea	50
Mesothuria incerta Holothuroidea	51
Mesothuria multipes Holothuroidea	52
Mesothuria squamosa Holothuroidea	53
Mespilia globulus Echinoidea	32
Metalia latissima Echinoidea	98
<i>Metalia maculosa</i> Echinoidea	99
Metalia spatagus Echinoidea	99
<i>Metalia spatangus</i> Echinoidea	99
Metalia sternalis Echinoidea	100
Metrodira subulata Asteroidea	138
<i>metularia Cidarites</i> Echinoidea	1
metularia Eucidaris Echinoidea	1
micraster Comatula Crinoidea	16
Microcyphus ceylanicus Echinoidea	33
<i>Microcyphus maculatus</i> Echinoidea	33
micronesius Pericosmus Echinoidea	83
micropoda Mastigometra Crinoidea	42a
<i>Microthele nobilis</i> Holothuroidea	21
mileporella Fromia Asteroidea	109
miliaris Actinopyga Holothuroidea	4
<i>miliaris Holothuria</i> Holothuroidea	4
<i>miliaris Linckia</i> Asteroidea	116
<i>miliaris Muelleria</i> Holothuroidea	4
<i>miliaris Ophidiaster</i> Asteroidea	116
miliaris var. indica Salenocidaris Echinoidea	28
<i>milleporella Asterias</i> Asteroidea	109
Milteliphaster woodmasoni Asteroidea	67
mimicus Pectinaster Asteroidea	38
<i>mimicus Pontaster</i> Asteroidea	38
minor Eudiocrinus Crinoidea	54
minutus Psychropotes Holothuroidea	116
mira Psathyrometra Crinoidea	44
<i>mirabile Laganum</i> Echinoidea	59
mirabile Paleostoma Echinoidea	82a

<i>mirabilis Leskia</i> Echinoidea	82a
<i>mirabilis Thyone</i> Holothuroidea	88
misera Amphipholis Ophiuroidea	106
<i>misera Amphiura</i> Ophiuroidea	106
modesta Ophiactis Ophiuroidea	94
modestus Ophiochiton Ophiuroidea	59
modestus Pelopatides Holothuroidea	57
moebii Holothuria (Selenkothuria) Holothuroidea	24
<i>moebii Holothuria</i> Holothuroidea	24
moebii Nymphaster Asteroidea	68
<i>moebii Pentagonaster (Dorigona)</i> Asteroidea	68
moebiusi Decametra Crinoidea	35b
<i>Moiria (Moiria) stygia</i> Echinoidea	86
Moiria stygia Echinoidea	86
<i>molare Echinostrephus</i> Echinoidea	52
<i>molare Echinus</i> Echinoidea	52
molaris Echinostrephus Echinoidea	52
<i>molesta Ophiozona</i> Ophiuroidea	26
molesta Ophiozonella Ophiuroidea	26
molleri Amphimetra Crinoidea	18a
<i>molleri Himerometra</i> Crinoidea	18a
mollis Pelopatides Holothuroidea	58
<i>Molpadia brevicaudatum</i> Holothuroidea	141
<i>Molpadia elongatum</i> Holothuroidea	150
<i>Molpadia musculus</i> Holothuroidea	145
<i>Molpadia</i> sp. Holothuroidea	153
<i>molpadioides Haplodactyla</i> Holothuroidea	153
<i>monacantha Antedon</i> Crinoidea	32
<i>monacantha Stephanometra</i> Crinoidea	32
monacanthus Astropecten Asteroidea	13
monilis Fromia Asteroidea	110
<i>monilis Scytaster</i> Asteroidea	110
monocantha Stephanometra Crinoidea	32
<i>monocaria Holothuria</i> Holothuroidea	31
<i>moorei Chaetaster</i> Asteroidea	39

~~mortenseni~~ <i>Amphimetra</i> Crinoidea	23
~~mortenseni~~ <i>Ceramaster</i> Asteroidea	61
~~mortenseni~~ <i>Laganum retinense</i> Echinoidea	69a
~~mortenseni~~ <i>Pentagonaster (Philonaster)</i> Asteroidea	61
~~mozaicum~~ <i>Astrogonium</i> Asteroidea	77
~~mozaicus~~ <i>Pseudarchaster</i> Asteroidea	77
<i>Muelleria lecanora</i> Holothuroidea	2
<i>Muelleria mauritiana</i> Holothuroidea	3
<i>Muelleria miliaris</i> Holothuroidea	4
<i>Mulleria nobilis</i> Holothuroidea	21
<i>multibrachiata</i> <i>Actinometra</i> Crinoidea	9
<i>multibrachiata</i> <i>Comaster</i> Crinoidea	9
<i>multibrachiatus</i> <i>Comaster</i> Crinoidea	9
<i>multifida</i> <i>Alecto</i> Crinoidea	10
<i>multifida</i> <i>Comaster</i> Crinoidea	10
<i>multifidus</i> <i>Comaster</i> Crinoidea	10
<i>multifora</i> <i>Asterias</i> Asteroidea	117
<i>multifora</i> <i>Linckia</i> Asteroidea	117
<i>multiforis</i> <i>Linckia</i> Asteroidea	117
<i>multipes</i> <i>Mesothuria</i> Holothuroidea	52
<i>multiples</i> <i>Amphigymnas</i> Holothuroidea	156
<i>multiradiata</i> <i>Asterias</i> Crinoidea	2
<i>multiradiata</i> <i>Capillaster</i> Crinoidea	2
<i>multiradiatus</i> <i>Capillaster</i> Crinoidea	2
<i>multispina</i> <i>Oreaster muricatus</i> var. Asteroidea	94
<i>multispinus</i> <i>Pentaceraster</i> Asteroidea	94
<i>muricatus</i> <i>Pentaceros</i> Asteroidea	98
<i>muricatus</i> var. <i>multispina</i> <i>Oreaster</i> Asteroidea	94
<i>musculus</i> <i>Ankyloderma</i> Holothuroidea	145
<i>musculus</i> <i>Molpadia</i> Holothuroidea	145
<i>musculus</i> var. <i>ocutum</i> <i>Ankyloderma</i> Holothuroidea	145
<i>musculus</i> var. <i>undulatum</i> <i>Ankyloderma</i> Holothuroidea	145
<i>mutabilis</i> <i>Oneirophanta</i> Holothuroidea	104
<i>mutans</i> <i>Cribrella</i> Asteroidea	137
<i>mutans</i> <i>Henricia</i> Asteroidea	137

Nacospatangus (Pseudomaretia) alta Echinoidea	102
<i>nana Antedon</i> Crinoidea	42
nana Dorometra Crinoidea	42
<i>nana Iridometra</i> Crinoidea	42
<i>Nardoa (Andora) faouzii</i> Asteroidea	103
<i>Nardoa aegyptiaca</i> Asteroidea	111
<i>Nardoa carinata</i> Asteroidea	112
<i>Nardoa faouzii</i> Asteroidea	103
Nardoa frianti Asteroidea	118
Nardoa galathea Asteroidea	119
Nardoa lemonnieri Asteroidea	120
<i>Nardoa mamillifera</i> Asteroidea	118
Nardoa novaecaledoniae Asteroidea	121
Nardoa sp. Asteroidea	121a
Nardoa sp. Asteroidea	121a
<i>Nardoa squamulosa</i> Asteroidea	112
<i>Nardoa tumulosa</i> Asteroidea	118
Neoferdina offreti Asteroidea	122
Neometra spinosissima Crinoidea	49
<i>Nepanthia brachiata</i> Asteroidea	50
nereidina Ophiothrix (Keystonea) Ophiuroidea	140
<i>nereidina Ophiothrix</i> Ophiuroidea	140
<i>nereidina Ophiura</i> Ophiuroidea	140
<i>nicobarica Linckia</i> Asteroidea	115
nicobarica Sarametra Crinoidea	45
nicobaricum Aspidodiadema Echinoidea	25
<i>nicobaricus Archaster</i> Asteroidea	55
<i>nigra Actinometra</i> Crinoidea	13
<i>nigra Astroboa nuda</i> var. Ophiuroidea	6
nigra Comatella Crinoidea	13
<i>nitida Scleraasterias</i> Asteroidea	149
nitida Sclerasterias Asteroidea	150
nitidus Centrostephanus Echinoidea	19
<i>nobilis Actinometra</i> Crinoidea	3
<i>nobilis Astropecten</i> Asteroidea	8

nobilis Comanthina Crinoidea	3
nobilis Holothuria (Microthele) Holothuroidea	21
nobilis Hymenaster Asteroidea	131a
<i>nobilis Microthele</i> Holothuroidea	21
<i>nobilis Mulleria</i> Holothuroidea	21
<i>nodosa Ophiolepis</i> Ophiuroidea	23
nodosa Ophioteichus Ophiuroidea	23
<i>nodosus Asterias</i> Asteroidea	99
nodosus Protoreaster Asteroidea	99
<i>nora Dorigona</i> Asteroidea	69
nora Nymphaster Asteroidea	69
novaecaledoniae Nardoa Asteroidea	121
<i>novaecaledoniae Scytaster</i> Asteroidea	116
<i>novaecaledoniae Scytaster</i> Asteroidea	119
<i>novaecaledoniae Scytaster</i> Asteroidea	120
<i>novaecaledoniae Scytaster</i> Asteroidea	121
novaeguineae Culcita Asteroidea	86
<i>novaeguineae</i> var. <i>arenosa</i> <i>Culcita</i> Asteroidea	86
<i>novaeguineae</i> var. <i>plana</i> <i>Culcita</i> Asteroidea	86
<i>novaeguineae Culcita</i> Asteroidea	86
novarae Ophiolophus Ophiuroidea	132
nuda Astroboa Ophiuroidea	6
<i>nuda</i> var. <i>elegans</i> <i>Astroboa</i> Ophiuroidea	6
<i>nuda</i> var. <i>nigra</i> <i>Astroboa</i> Ophiuroidea	6
<i>nudum Astrophyton</i> Ophiuroidea	6
<i>Nymphaster arenatus</i> Asteroidea	68
<i>Nymphaster basilicus</i> Asteroidea	68
<i>Nymphaster florifer</i> Asteroidea	80
Nymphaster moebii Asteroidea	68
Nymphaster nora Asteroidea	69
<i>Nymphaster protentus</i> Asteroidea	68
oblonga Echinometra Echinoidea	51
<i>oblonga Echinometra mathaei</i> Echinoidea	51
<i>oblonga Echinometra mathaei</i> var. Echinoidea	50
<i>oblonga Echinometra mathaei</i> var. Echinoidea	51

<i>oblonga Fibularia (Fibulariella)</i> Echinoidea	64a
oblonga Fibularia Echinoidea	64a
oblonga Peronella Echinoidea	73
obscura Euriplastes Holothuroidea.....	117
obscura Gymnolophus Ophiuroidea	119
obscura Trichometra Crinoidea	47
occidentalis Perissometra Crinoidea	59
occulatus Pseudostichopus Holothuroidea	61
<i>occulatus</i> var. <i>plicatus</i> <i>Pseudostichopus</i> Holothuroidea	61
ocellata Holothuria (Metriatyla) Holothuroidea	18
<i>ocellata Holothuria</i> Holothuroidea	18
<i>ocutum Ankyloiderma musculus</i> var. Holothuroidea	145
<i>offreti Ferdina</i> Asteroidea	122
<i>offreti Ferdina</i> Asteroidea	125a
offreti Neoferdina Asteroidea	122
Ogmaster capella Asteroidea	70
oldhami Brissopsis Echinoidea	93
Oligometra gracilicirra Crinoidea	35
Oligometra imbricata Crinoidea	37
<i>Oligometra intermedia</i> Crinoidea	36
Oligometra serripinna Crinoidea.....	38
<i>Oncus javanicus</i> Holothuroidea	92
Oneiriphanta conservata Holothuroidea	107
<i>Oneirophanta mutabilis</i> Holothuroidea	104
ooplax Patinapta Holothuroidea	124
<i>ooplax Synapta</i> Holothuroidea	124
Opheodesoma grisea Holothuroidea	123
Ophiacantha abnormis Ophiuroidea	75
Ophiacantha composita Ophiuroidea.....	76
<i>Ophiacantha decora</i> Ophiuroidea	77
<i>Ophiacantha gratiosa</i> Ophiuroidea	75
Ophiacantha indica Ophiuroidea	77
<i>Ophiacantha inutilis</i> Ophiuroidea	75
<i>Ophiacantha matura</i> Ophiuroidea	87
Ophiacantha pentagona Ophiuroidea	78

Ophiacantha sociabilis Ophiuroidea	79
Ophiacantha vagans Ophiuroidea	80
Ophiacantha vestita Ophiuroidea	81
Ophiacantha vorax Ophiuroidea	82
Ophiactis acosmeta Ophiuroidea	89
<i>Ophiactis affinis</i> Ophiuroidea	96
Ophiactis brachyura Ophiuroidea	90
Ophiactis delagoa Ophiuroidea	91
Ophiactis flexuosa var. perplexa Ophiuroidea	92
<i>Ophiactis lorioli</i> Ophiuroidea	113
Ophiactis maculosa Ophiuroidea	93
Ophiactis modesta Ophiuroidea	94
<i>Ophiactis partita</i> Ophiuroidea	115
<i>Ophiactis perplexa</i> Ophiuroidea	92
<i>Ophiactis picteti</i> Ophiuroidea	95
<i>Ophiactis savignyi</i> Ophiuroidea	94
Ophiactis savignyi Ophiuroidea	96
<i>Ophiactis sexradia</i> Ophiuroidea	96
<i>Ophiarachna gorgonia</i> Ophiuroidea	66
Ophiarachna incrassata Ophiuroidea	65
<i>Ophiarachna infernalis</i> Ophiuroidea	67
Ophiarachnella gorgonia Ophiuroidea	66
Ophiarachnella infernalis Ophiuroidea	67
Ophiarachnella intermedia Ophiuroidea	68
Ophiarachnella megaloplax Ophiuroidea	69
Ophiarachnella sphenesci Ophiuroidea	70
<i>Ophiarthrum elegans</i> Ophiuroidea	44
Ophiarthrum elegans Ophiuroidea	44
Ophiarthrum pictum Ophiuroidea	45
<i>Ophidiaster irregularis</i> Asteroidea	115
Ophidiaster armatus Asteroidea	123
<i>Ophidiaster cylindricus</i> Asteroidea	106
<i>Ophidiaster diplax</i> Asteroidea	115
<i>Ophidiaster ehrenbergi</i> Asteroidea	115
<i>Ophidiaster flaccidus</i> Asteroidea	115

Ophidiaster hemprichi Asteroidea	124
<i>Ophidiaster hirsutus</i> Asteroidea	128
<i>Ophidiaster leachi</i> Asteroidea	114
<i>Ophidiaster miliaris</i> Asteroidea	116
<i>Ophidiaster ornithopus</i> Asteroidea	115
<i>Ophidiaster propinquus</i> Asteroidea	116
<i>Ophidiaster tuberifer</i> Asteroidea	129
Ophiernus adpersus adpersus Ophiuroidea	27
<i>Ophiernus adpersus</i> Ophiuroidea	27
Ophiocamax fasciculata Ophiuroidea	83
Ophiocamax rugosa Ophiuroidea	84
Ophiocampsis pellicula Ophiuroidea	131
<i>Ophiocentrotus dilatatus</i> Ophiuroidea	116
Ophiocentrus dilatatus Ophiuroidea	116
Ophiocentrus verticillatus Ophiuroidea	117
<i>Ophioceramis tenera</i> Ophiuroidea	88
Ophiochiton ambulator Ophiuroidea	58
Ophiochiton modestus Ophiuroidea	59
<i>Ophiocirce inutilis</i> Ophiuroidea	27a
Ophiocnemis marmorata Ophiuroidea	128
<i>Ophiocnida dilatata</i> Ophiuroidea	116
<i>Ophiocnida echinata</i> Ophiuroidea	114
Ophiocnida picteti Ophiuroidea	95
<i>Ophiocnida sexradia</i> Ophiuroidea	55
Ophiocoma anaglyptica Ophiuroidea	46
Ophiocoma brevipes Ophiuroidea	47
Ophiocoma dentata Ophiuroidea	48
Ophiocoma doederleini Ophiuroidea	49
Ophiocoma erinaceus Ophiuroidea	50
<i>Ophiocoma insularia</i> var. <i>variegata</i> Ophiuroidea	48
<i>Ophiocoma lineolata</i> Ophiuroidea	52
Ophiocoma lubrica Ophiuroidea	51
Ophiocoma pica Ophiuroidea	52
<i>Ophiocoma picta</i> Ophiuroidea	45
Ophiocoma pusilla Ophiuroidea ..	53

Ophiocoma valenciae Ophiuroidea	54a
Ophiocomella sexradia Ophiuroidea	55
<i>Ophioconis indica</i> Ophiuroidea	64
Ophiocormus compsus Ophiuroidea	71
Ophiocreas sibogae Ophiuroidea	10
Ophiocreas sp. Ophiuroidea	10a
<i>Ophiocten charischema</i> Ophiuroidea	27a
<i>Ophiodiaster clathrata</i> Asteroidea	116
Ophioelegans cincta Ophiuroidea	11
<i>Ophioglypha aequalis</i> Ophiuroidea	38
<i>Ophioglypha flagellata</i> Ophiuroidea	39
<i>Ophioglypha forbesi</i> Ophiuroidea	40
<i>Ophioglypha inflata</i> Ophiuroidea	35
<i>Ophioglypha involuta</i> Ophiuroidea	41
<i>Ophioglypha irrorata</i> Ophiuroidea	41
<i>Ophioglypha kinbergi</i> Ophiuroidea	42
<i>Ophioglypha orbiculata</i> Ophiuroidea	41
<i>Ophioglypha ornata</i> Ophiuroidea	29
<i>Ophioglypha paupera</i> Ophiuroidea	30
<i>Ophioglypha radiata</i> Ophiuroidea	31
<i>Ophioglypha sculptilis</i> Ophiuroidea	32
<i>Ophioglypha sinensis</i> Ophiuroidea	42
<i>Ophioglypha sordida</i> Ophiuroidea	33
<i>Ophioglypha stellata</i> Ophiuroidea	34
<i>Ophioglypha undulata</i> Ophiuroidea	43
Ophiogymna elegans Ophiuroidea	129
Ophiogymna lineata Ophiuroidea	130
Ophiogymna pellicula Ophiuroidea	131
<i>Ophiolepis annulosa</i> Ophiuroidea	12
<i>Ophiolepis cincta</i> Ophiuroidea	11
<i>Ophiolepis dubia</i> Ophiuroidea	61
<i>Ophiolepis imbricata</i> Ophiuroidea	21
<i>Ophiolepis nodosa</i> Ophiuroidea	23
<i>Ophiolepis savignyi</i> Ophiuroidea	96
Ophiolepis superba Ophiuroidea	12

<i>Ophioleuce charischema</i> Ophiuroidea	27a
Ophioleuce seminudum Ophiuroidea	27a
<i>Ophiolipus granulatus</i> Ophiuroidea	13
Ophiolophus novarae Ophiuroidea	132
Ophiolypus granulatus Ophiuroidea	13
Ophiomastix annulosa Ophiuroidea	56
<i>Ophiomastix pusilla</i> Ophiuroidea	53
Ophiomastus tumidus Ophiuroidea	36
<i>Ophiomaza cacaofica</i> Ophiuroidea	133
Ophiomaza cacaotica Ophiuroidea	133
<i>Ophiomaza cataphracta</i> Ophiuroidea	133
Ophiomitra integra Ophiuroidea	85
<i>Ophiomitra rudis</i> Ophiuroidea	86
Ophiomoeris tenera Ophiuroidea	88
<i>Ophiomusa relictta</i> Ophiuroidea	17
Ophiomusium elegans Ophiuroidea	14
<i>Ophiomusium elegans</i> Ophiuroidea	22
Ophiomusium elegans Ophiuroidea	22
Ophiomusium familiare Ophiuroidea	15
<i>Ophiomusium fibriatum medium</i> Ophiuroidea	16
Ophiomusium fimbriatum Ophiuroidea	16
Ophiomusium lymani Ophiuroidea	16a
<i>Ophiomusium planum</i> Ophiuroidea	22a
Ophiomusium relictum Ophiuroidea	17
<i>Ophiomusium sanctum</i> Ophiuroidea	19
Ophiomusium scalare Ophiuroidea	18
Ophiomusium simplex Ophiuroidea	19
Ophiomusium validum Ophiuroidea	20
Ophiomyxa australis Ophiuroidea	1
<i>Ophiomyxa bengalensis</i> Ophiuroidea	1
<i>Ophionephthys tenuis</i> Ophiuroidea	110
Ophionereis andamanensis Ophiuroidea	60
Ophionereis dubia Ophiuroidea	61
Ophionereis porrecta	62
Ophiopallas paradoxa Ophiuroidea	27b

<i>Ophiopeza conjungens</i> Ophiuroidea	74
Ophiopeza custos Ophiuroidea	72
Ophiopeza fallax arabica Ophiuroidea	73
<i>Ophiopeza fallax</i> Ophiuroidea	73
<i>Ophiopeza yoldii</i> Ophiuroidea	74
<i>Ophiophragmus affinis</i> Ophiuroidea	102
<i>Ophiophragmus echinatus</i> Ophiuroidea	114
<i>Ophiophragmus relictus</i> Ophiuroidea	103
Ophiophrixus confinis Ophiuroidea	2
Ophioplinthaca rudis Ophiuroidea	86
Ophioplinthaca rudis Ophiuroidea	86
Ophioplocus imbricatus Ophiuroidea	21
<i>Ophiopsammus conjungens</i> Ophiuroidea	74
Ophiopsammus yoldii Ophiuroidea	74
Ophiopsila pantherina Ophiuroidea	57
Ophiopteron elegans Ophiuroidea	134
<i>Ophiopyren bispinosus</i> Ophiuroidea	28
<i>Ophiopyrgus alcocki</i> Ophiuroidea	37
Ophiopyrgus alcocki Ophiuroidea	37
Ophiosphalma planum Ophiuroidea	22a
<i>Ophiostegastus compsus</i> Ophiuroidea	71
Ophiostigma formosa Ophiuroidea	118
Ophiostriatus bispinosus Ophiuroidea	28
Ophioleichus nodosa Ophiuroidea	23
Ophiothela danae Ophiuroidea	135
<i>Ophiothrix foveolata</i> Ophiuroidea	144
Ophiothrix (Acanthophiothrix) diligens Ophiuroidea	136
Ophiothrix (Acanthophiothrix) proteus Ophiuroidea	137
Ophiothrix (Acanthophiothrix) purpurea Ophiuroidea	138
Ophiothrix (Acanthophiothrix) vigelandi Ophiuroidea	139
Ophiothrix (Keystonea) nereidina Ophiuroidea	140
<i>Ophiothrix (Keystonea) propinqua</i> Ophiuroidea	125
Ophiothrix (Ophiothrix) aristulata Ophiuroidea	141
Ophiothrix (Ophiothrix) ciliaris Ophiuroidea	142
Ophiothrix (Ophiothrix) exigua Ophiuroidea	143

Ophiothrix (Ophiothrix) foveolata Ophiuroidea	144
Ophiothrix (Placophiothrix) fumaria Ophiuroidea	149
Ophiothrix (Ophiothrix) savignyi Ophiuroidea	146
Ophiothrix (Ophiothrix) trilineata Ophiuroidea	147
Ophiothrix (Ophiothrix) variegata Ophiuroidea	148
Ophiothrix (Ophiothrix) vitrea Ophiuroidea	149
Ophiothrix (Placophiothrix) striolata Ophiuroidea	150
Ophiothrix accedens Ophiuroidea	151
<i>Ophiothrix andersoni</i> Ophiuroidea	140
<i>Ophiothrix aristulata</i> Ophiuroidea	141
<i>Ophiothrix aristulata</i> var. <i>investigatoris</i> Ophiuroidea	141
<i>Ophiothrix aspidota</i> Ophiuroidea	120
<i>Ophiothrix comata</i> Ophiuroidea	137
<i>Ophiothrix demessa</i> Ophiuroidea	121
<i>Ophiothrix diligens</i> Ophiuroidea	136
<i>Ophiothrix exigua</i> Ophiuroidea	143
<i>Ophiothrix fumaria</i> Ophiuroidea	145
<i>Ophiothrix galathea</i> Ophiuroidea	122
<i>Ophiothrix galathea</i> Ophiuroidea	123
<i>Ophiothrix hirsuta</i> Ophiuroidea	127a
<i>Ophiothrix insidiosa</i> Ophiuroidea	144
<i>Ophiothrix koreana</i> Ophiuroidea	139
<i>Ophiothrix lepida</i> Ophiuroidea	138
<i>Ophiothrix lepidus</i> Ophiuroidea	138
<i>Ophiothrix longipeda</i> Ophiuroidea	124
<i>Ophiothrix lorioli</i> Ophiuroidea	138
<i>Ophiothrix nereidina</i> Ophiuroidea	140
<i>Ophiothrix otiosa</i> Ophiuroidea	146
<i>Ophiothrix propinqua</i> Ophiuroidea	125
<i>Ophiothrix proteus</i> Ophiuroidea	137
<i>Ophiothrix purpurea</i> Ophiuroidea	138
<i>Ophiothrix savignyi</i> Ophiuroidea	146
Ophiothrix sp. Ophiuroidea	151a
<i>Ophiothrix speciosa</i> Ophiuroidea	126
<i>Ophiothrix stelligera</i> Ophiuroidea	142

<i>Ophiothrix striolata</i> Ophiuroidea	150
<i>Ophiothrix trilineata</i> Ophiuroidea	147
<i>Ophiothrix variabilis</i> Ophiuroidea	127
<i>Ophiothrix variegata</i> Ophiuroidea	148
<i>Ophiothrix vitrea</i> Ophiuroidea	149
<i>Ophiotreta gratiosa</i> Ophiuroidea	75
Ophiotreta matura Ophiuroidea	87
Ophiotreta matura Ophiuroidea	87
Ophiotrochus panniculus Ophiuroidea	24
Ophiotypa simplex Ophiuroidea	37a
<i>Ophiozona bispinosa</i> Ophiuroidea	25
<i>Ophiozona molesta</i> Ophiuroidea	26
Ophiozonella bispinosa Ophiuroidea	25
Ophiozonella molesta Ophiuroidea	26
Ophiucoma scolopendrina Ophiuroidea	54
Ophiura aequalis Ophiuroidea	38
<i>Ophiura annulosa</i> Ophiuroidea	56
<i>Ophiura ciliaris</i> Ophiuroidea	142
Ophiura flagellata Ophiuroidea	39
Ophiura forbesi Ophiuroidea	40
<i>Ophiura incrassata</i> Ophiuroidea	65
Ophiura irrorata Ophiuroidea	41
Ophiura kinbergi Ophiuroidea	42
<i>Ophiura longipeda</i> Ophiuroidea	124
<i>Ophiura marmorata</i> Ophiuroidea	128
<i>Ophiura nereidina</i> Ophiuroidea	140
<i>Ophiura scolopendrina</i> Ophiuroidea	54
Ophiura undulata Ophiuroidea	43
<i>Ophnurgus asper</i> var. <i>glaber</i> Holothuroidea	108
<i>Ophnurgus glaber</i> Holothuroidea	108
<i>orbicularis</i> <i>Echinodiscus</i> Echinoidea	74
<i>orbicularis</i> <i>Laganum</i> Echinoidea	74
orbicularis <i>Peronella</i> Echinoidea	74
<i>orbiculata</i> <i>Ophioglypha</i> Ophiuroidea	41
Oreaster affinis Asteroidea	92

<i>Oreaster castellum</i> Asteroidea	98
<i>Oreaster gracilis</i> Asteroidea	93
<i>Oreaster grayi</i> Asteroidea	94
<i>Oreaster hedemanni</i> Asteroidea	94
<i>Oreaster lincki</i> Asteroidea	98
<i>Oreaster muricatus</i> var. <i>multispina</i> Asteroidea	94
<i>Oreaster productus</i> Asteroidea	97
<i>Oreaster reinhardti</i> Asteroidea	98
<i>Oreaster superbus</i> Asteroidea	97
<i>Oreaster thurstoni</i> Asteroidea	92
<i>Oreaster westermanni</i> Asteroidea	96
ornata <i>Amphiophiura</i> Ophiuroidea	29
<i>ornata</i> <i>Ophioglypha</i> Ophiuroidea	29
ornatus <i>Comastrocrinus</i> Crinoidea	64
ornatus <i>Eudiocrinus</i> Crinoidea	55
<i>ornatus</i> <i>Hypalocrinus</i> Crinoidea	64
<i>ornithopus</i> <i>Ophidiaster</i> Asteroidea	115
Orphnurgus glaber Holothuroidea	108
Orphnurgus invalidus Holothuroidea	109
Oshimella ehrenbergi Holothuroidea	72
<i>Othilia luzonica</i> Asteroidea	135
<i>Othilia purpurea</i> Asteroidea	136
<i>otiosa</i> <i>Ophiothrix</i> Ophiuroidea	146
<i>ovalis</i> <i>Benthodytes</i> Holothuroidea	59
ovalis <i>Pelopatides</i> Holothuroidea	59
<i>ovata</i> <i>Echinolampas</i> (<i>Echinolampas</i>) Echinoidea	81
ovata <i>Echinolampas</i> Echinoidea	81
<i>ovata</i> <i>Maretia</i> Echinoidea	101a
ovatum <i>Palaeotrema</i> Echinoidea	113
<i>ovatus</i> <i>Echinanthus</i> Echinoidea	81
<i>ovatus</i> <i>Echinolampas</i> Echinoidea	81
<i>ovatus</i> <i>Paleotropus</i> Echinoidea	113
<i>oviformis</i> <i>Echinolampas</i> Echinoidea	81
Oxycomanthus bennetti Crinoidea	18
<i>Pachylometra crassa</i> Crinoidea	56

<i>Pachylometra invenusta</i> Crinoidea	57
<i>Pachylometra macilenta</i> Crinoidea	58
<i>pacifica</i> Linckia Asteroidea	115
Palaeotrema ovatum Echinoidea	113
<i>Paleopneustes hemingi</i> Echinoidea	111
<i>Paleopneustes spectabilis</i> Echinoidea	112
Paleostoma mirabile Echinoidea	82a
<i>Paleotropus ovatus</i> Echinoidea	113
<i>pallidus</i> Gymnechinus Echinoidea	45
<i>palmata</i> Alecto Crinoidea	29
<i>palmata</i> Antedon Crinoidea	29
<i>palmata</i> Antedon Crinoidea	31
<i>palmata</i> Dichrometra Crinoidea	29
palmata Lamprometra Crinoidea	29
<i>palmata</i> Lamprometra palmata Crinoidea	29
<i>palmiferus</i> Trichaster Ophiuroidea	4a
<i>Palmipes ludovici</i> Asteroidea	40
<i>Palmipes pellucidus</i> Asteroidea	41
<i>Palmipes sarasini</i> Asteroidea	45
<i>Palmipes sarasini</i> Asteroidea	46
panniculus Ophiotrochus Ophiuroidea	24
<i>Pannychia woodmasoni</i> Holothuroidea	65
panopla Brisinga Asteroidea	155
pantherina Ophiopsila Ophiuroidea	57
<i>papillata</i> Holothuria Holothuroidea	9
papillosus Bathyplores Holothuroidea	45
<i>papuensis</i> Thyone fuscus var. Holothuroidea	101
papuensis Thyone Holothuroidea	101
Paracaudina australis Holothuroidea	154
paradoxa Ophiopallas Ophiuroidea	27b
Paraferdina laccadivensis Asteroidea	125
Paraferdina sohariae Asteroidea	125a
Paragonaster tenuiradiis Asteroidea	70a
parallela Brisinga Asteroidea	156
parallela Brissopsis Echinoidea	94

Paranepanthia brachiata Asteroidea	50
<i>Pararchaster huddlestoni</i> Asteroidea	31
<i>Pararchaster indicus</i> Asteroidea	32
<i>Pararchaster semisquamatus</i> Asteroidea	33
<i>Pararchaster violaceus</i> Asteroidea	34
<i>Paraster (Schizaster) gibberulus</i> Echinoidea	90
<i>Paraster compactus</i> Echinoidea	89
<i>Paraster gibberulus</i> Echinoidea	90
Paratrema doederleini Echinoidea	34
pardalis Holothuria (Lessonothuria) Holothuroidea	13
<i>pardalis Holothuria</i> Holothuroidea	13
<i>partita Amphiura</i> Ophiuroidea	115
<i>partita Ophiactis</i> Ophiuroidea	115
<i>parvicirra Actinometra</i> Crinoidea	2
<i>parvicirra Actinometra</i> Crinoidea	5
<i>parvicirra Alecto</i> Crinoidea	5
<i>parvicirra Comanthus (Comanthus)</i> Crinoidea	5
parvicirrus Comanthus Crinoidea	5
parvipedes Phyllophorus (Phyllophorella) Holothuroidea	75
<i>parvipedes Phyllophorus</i> Holothuroidea	75
parvus Comaster Crinoidea	11
<i>parvus Comaster</i> Crinoidea	15
Patinapta ooplax Holothuroidea	124
<i>Patiriella exigua</i> Asteroidea	51
Patiriella pseudoexigua Asteroidea	51
paupera Amphiophiura Ophiuroidea	30
<i>paupera Ophioglypha</i> Ophiuroidea	30
pauperum Trochostoma Holothuroidea	151
<i>Pectinaster hispidus</i> Asteroidea	38
Pectinaster mimicus Asteroidea	38
<i>pectinata Asterias</i> Crinoidea	17
pectinata Comatula Crinoidea	17
<i>Pectinura conspicua</i> Ophiuroidea	63
<i>Pectinura gorgonia</i> Ophiuroidea	66
<i>Pectinura gorgonia</i> Ophiuroidea	70

<i>Pectinura heros</i> Ophiuroidea	63
<i>Pectinura infenalis</i> Ophiuroidea	67
<i>Pectinura intermedia</i> Ophiuroidea	68
<i>Pectinura lacertosa</i> Ophiuroidea	63
<i>Pectinura megatoplax</i> Ophiuroidea	69
<i>Pectinura sphenesci</i> Ophiuroidea	70
<i>Pectinura tessellata</i> Ophiuroidea	63
<i>Pectinura yoldii</i> Ophiuroidea	74
<i>Pedicellaster atratus</i> Asteroidea	148
<i>pellicula</i> Ophiocampsis Ophiuroidea	131
<i>pellicula</i> Ophiogymna Ophiuroidea	131
<i>pellucida</i> Anseropoda Asteroidea	41
<i>pellucidus</i> Palmipes Asteroidea	41
<i>pellucidus</i> Synallactes Holothuroidea	63
<i>Pelopatides dissidens</i> Holothuroidea	54
<i>Pelopatides gelatinosus</i> Holothuroidea	55
<i>Pelopatides insignis</i> Holothuroidea	56
<i>Pelopatides modestus</i> Holothuroidea	57
<i>Pelopatides mollis</i> Holothuroidea	58
<i>Pelopatides ovalis</i> Holothuroidea	59
<i>Pelopatides verrucosus</i> Holothuroidea	60
<i>Pentaceraster affinis</i> Asteroidea	92
<i>Pentaceraster gracilis</i> Asteroidea	93
<i>Pentaceraster gracilis</i> Asteroidea	93
<i>Pentaceraster indicus</i> Asteroidea	97
<i>Pentaceraster multispinus</i> Asteroidea	94
<i>Pentaceraster regulus</i> Asteroidea	95
<i>Pentaceraster westermanni</i> Asteroidea	96
<i>Pentaceros affinis</i> Asteroidea	92
<i>Pentaceros bengalensis</i> Asteroidea	97
<i>Pentaceros hedemanni</i> Asteroidea	95
<i>Pentaceros indicus</i> Asteroidea	97
<i>Pentaceros muricatus</i> Asteroidea	98
<i>Pentaceros productus</i> var. <i>tuberata</i> Asteroidea	97
<i>Pentaceros regulus</i> Asteroidea	95

<i>Pentaceros regulus</i> Asteroidea	95
<i>Pentaceros reinhardti</i> Asteroidea	98
<i>Pentaceros superbus</i> Asteroidea	97
<i>Pentaceros westermanni</i> Asteroidea	96
Pentacta quadrangularis Holothuroidea	93
pentagona Ophiacantha Ophiuroidea	78
pentagonalis Dipsacaster Asteroidea	18
<i>Pentagonaster (Dorigona) moebii</i> Asteroidea	68
<i>Pentagonaster (Philonaster) mortensenii</i> Asteroidea	61
<i>Pentagonaster (Tosia) cueneti</i> Asteroidea	60
<i>Pentagonaster arcuatus</i> Asteroidea	66
Pentagonaster arcuatus Asteroidea	70b
<i>Pentagonaster doederleini</i> Asteroidea	74
Pentagonaster intermedius Asteroidea	71
<i>Pentagonaster investigatoris</i> Asteroidea	75
Pentagonaster pulvinus Asteroidea	72
Pentagonaster sp. Asteroidea	73
Pentagonaster sp. Asteroidea	73
Pentagonaster sp. Asteroidea	73a
Pentagonaster sp. Asteroidea	73a
Pentagonaster sp. prox. ctenipes Asteroidea	73
pentagonula Anthenea Asteroidea	84
<i>pentagonula Anthenea</i> Asteroidea	84
Pentametrocrinus varians Crinoidea	60
<i>pentangularis Culcita</i> Asteroidea	86
<i>pentangularis Culcita</i> Asteroidea	87
<i>pentaphylla Dorigona</i> Asteroidea	65
pentaphylla Lithosoma Asteroidea	65
<i>pentaphyllus Iconaster</i> Asteroidea	65
<i>pentaphyllus Iconaster</i> Asteroidea	65
pergracilis Thalassometra Crinoidea	53a
<i>Periaster kempii</i> Echinoidea	87
Pericosmus micronesius Echinoidea	83
periplos Thalassometra Crinoidea	53
<i>Perissometra macilenta</i> Crinoidea	58

Perissometra occidentalis Crinoidea	59
Perizona magna Holothuroidea	161
<i>Peronella (Laganum) rubra</i> Echinoidea	75
Peronella lessueuri Echinoidea	71
<i>Peronella lesueri</i> Echinoidea	72
Peronella macroproctes Echinoidea	72
<i>Peronella merguiensis</i> Echinoidea	75
Peronella oblonga Echinoidea	73
Peronella orbicularis Echinoidea	74
Peronella rubra Echinoidea	75
<i>Peronella rullandi</i> Echinoidea	76
Peronella rutlandi Echinoidea	76
perplexa Ophiactis flexuosa var. Ophiuroidea	92
<i>perplexa Ophiactis</i> Ophiuroidea	92
Persephonaster coelochiles Asteroidea	21
Persephonaster croceus Asteroidea	22
Persephonaster gracilis Asteroidea	23
Persephonaster rhodopeplus Asteroidea	24
Persephonaster roulei Asteroidea	24a
personatus Amphioplus (Amphioplus) Ophiuroidea	100
pervicax Holothuria (Mertensiothuria) Holothuroidea	17
<i>pervicax Holothuria</i> Holothuroidea	17
<i>Petalaster hardwicki</i> Asteroidea	2
<i>petalodea Asterias</i> Asteroidea	8
<i>Phidiaster agassizi</i> Asteroidea	25
<i>philiberti Amphimetra</i> Crinoidea	23
<i>philiberti Comatula</i> Crinoidea	23
philiberti Heterometra Crinoidea	23
<i>philippinensis Hippasterias</i> Asteroidea	86
Phormosoma bursarium Echinoidea	15
<i>Phormosoma bursarium</i> Echinoidea	16a
<i>Phormosoma indicum</i> Echinoidea	15
<i>Phormosoma indicum</i> Echinoidea	16a
<i>Phormosoma luculentum</i> Echinoidea	14
Phormosoma verticillatum Echinoidea	16

<i>Phormosoma verticillatum</i> Echinoidea	17
<i>Phrissocystis humilis</i> Echinoidea	108
<i>Phyllacanthus annulifera</i> Echinoidea	6
<i>Phyllacanthus baculosa</i> Echinoidea	6
Phyllacanthus forcipulatus Echinoidea	3
Phyllacanthus imperialis Echinoidea	4
<i>Phyllacanthus verticillatus</i> Echinoidea	7
Phyllophorus (Phyllophorella) parvipedes Holothuroidea	75
Phyllophorus (Phyllophorella) sp. Holothuroidea	75a
Phyllophorus (Phyllophorella) sp. Holothuroidea	75a
Phyllophorus (Phyllothuria) cebuensis Holothuroidea	76
Phyllophorus (Urodemella) brocki Holothuroidea	77
<i>Phyllophorus brocki</i> Holothuroidea	77
Phyllophorus celer Holothuroidea	73
<i>Phyllophorus fragilis</i> Holothuroidea	78
Phyllophorus intermedius Holothuroidea	74
<i>Phyllophorus parvipedes</i> Holothuroidea	75
Phyrella fragilis Holothuroidea	78
pica Ophiocoma Ophiuroidea	52
<i>picta Ophiocoma</i> Ophiuroidea	45
<i>picteti Ophiactis</i> Ophiuroidea	95
picteti Ophiocnida Ophiuroidea	95
pictum Ophiarthrum Ophiuroidea	45
<i>pigra Cucumaria</i> Holothuroidea	89
<i>pileolus Echinus</i> Echinoidea	47
pileolus Toxopneustes Echinoidea	47
pilosus Cheiraster (Cheiraster) Asteroidea	35
<i>pilosus Pontaster</i> Asteroidea	35
placenta Arachnoides Echinoidea	61
<i>placenta Echinus</i> Echinoidea	61
<i>plana Culcita novaeguineae</i> var. Asteroidea	86
plana Trichometra Crinoidea	46
planci Acanthaster Asteroidea	102
<i>planci Asterias</i> Asteroidea	107
planulata Maretia Echinoidea	101

<i>planum Ophiomusium</i> Ophiuroidea	22a
planum Ophiosphalma Ophiuroidea	22a
planus Zoroaster Asteroidea	146
<i>Pleurechinus doederleini</i> Echinoidea	34
<i>plicatus Pseudostichopus oculatus</i> var. Holothuroidea	61
Plinthaster doederleini Asteroidea	74
Plinthaster investigatoris Asteroidea	75
<i>Podocidaris prionigera</i> Echinoidea	31
<i>Podophora atrata</i> Echinoidea	49
polyacanthus Astropecten Asteroidea	14
Polycheira rufescens Holothuroidea	139
polymorphium Ankyloiderma Holothuroidea	146
<i>Pontaster cribellum</i> Asteroidea	37
<i>Pontaster hispidus</i> Asteroidea	38
<i>Pontaster mimicus</i> Asteroidea	38
<i>Pontaster pilosus</i> Asteroidea	35
Pontometra andersoni Crinoidea	39
Poraster superbus Asteroidea	97
<i>Porcellanaster caeruleus</i> Asteroidea	27
Porcellanaster caulifer Asteroidea	26
<i>Porcellanaster ceruleus</i> Asteroidea	26
Porcellanaster ceruleus Asteroidea	27
<i>Porcellanaster coeruleus</i> Asteroidea	27
Poriocidaris purpurata Echinoidea	5
<i>Porocidaris maculiculis</i> Echinoidea	13a
<i>Porocidaris purpurata</i> Echinoidea	5
porrecta Ophionereis	62
<i>praestans Cribrella</i> Asteroidea	137
Printechinus impressus Echinoidea	35
Prionechinus agassizi Echinoidea	36
<i>Prionechinus chuni</i> Echinoidea	36
<i>prionigera Podocidaris</i> Echinoidea	31
prionigera Pygmaecidaris Echinoidea	31
Prionocidaris baculosa Echinoidea	6
<i>Prionocidaris baculosa</i> var. <i>annulifera</i> Echinoidea	6

Prionocidaris bispinosa Echinoidea	6a
<i>Prionocidaris brevicollis</i> Echinoidea	11
Prionocidaris verticillata Echinoidea	7
<i>prionota</i> <i>Luidia</i> Asteroidea	2
<i>Procidaris purpureata</i> (sic!) Echinoidea	5
<i>proctalis Prymnechinus</i> Echinoidea	41
proctalis Temnopleurus Echinoidea	41
<i>productus</i> <i>Oreaster</i> Asteroidea	97
<i>productus</i> var. <i>tuberala</i> <i>Pentaceros</i> Asteroidea	97
profundus Bathyplores Holothuroidea	46
<i>Prometra brevicirra</i> Crinoidea	35a
prompta Holothuria (Stauropora) Holothuroidea	26
<i>prompta Holothuria</i> Holothuroidea	26
propinqua Macrophiothrix Ophiuroidea	125
<i>propinqua Ophiiothrix (Keystonea)</i> Ophiuroidea	125
<i>propinqua Ophiiothrix</i> Ophiuroidea	125
<i>propinquus Ophidiaster</i> Asteroidea	116
Protankyra conferta Holothuroidea	125
Protankyra denticulata Holothuroidea	126
Protankyra errata Holothuroidea	127
Protankyra innominata Holothuroidea	128
Protankyra pseudodigitata Holothuroidea	129
Protankyra similes Holothuroidea	130
<i>Protankyra</i> sp. Holothuroidea	133
Protankyra sp. Holothuroidea	134
Protankyra timida Holothuroidea	131
Protankyra tristis Holothuroidea	132
Protankyra tuticorenensis Holothuroidea	133
<i>protectus Antedon</i> Crinoidea	28
protectus Dichrometra Crinoidea	28
<i>protentus Nymphaster</i> Asteroidea	68
proteus Ophiiothrix (Acanthophiothrix) Ophiuroidea	137
<i>proteus Ophiiothrix</i> Ophiuroidea	137
<i>Protoreaster affinis</i> Asteroidea	92
<i>Protoreaster indicus</i> Asteroidea	97

Protoreaster lincki Asteroidea	98
Protoreaster nodosus Asteroidea	99
<i>Protoreraster australis</i> Asteroidea	95
<i>Prymnaster angulatus</i> Echinoidea	88
<i>Prymnaster investigatoris</i> Echinoidea	91
<i>Prymnechinus proctalis</i> Echinoidea	41
Psamothuria ganapati Holothuroidea	135
Psathyrometra inusitata Crinoidea	43
Psathyrometra mira Crinoidea	44
Pseudarchaster jordani Asteroidea	76
Pseudarchaster mozaicus Asteroidea	77
Pseudarchaster roseus Asteroidea	78
<i>Pseudoboletia indiana</i> Echinoidea	46
Pseudoboletia maculata Echinoidea	46
Pseudocnus echinatus Holothuroidea	94
Pseudocolochirus tricolor Holothuroidea	94a
Pseudocolochirus violaceus Holothuroidea	95
Pseudocucumis acicula Holothuroidea	79
pseudodigitata Protankyra Holothuroidea	129
pseudoexigua Patiriella Asteroidea	51
<i>Pseudomaretia alta</i> Echinoidea	102
Pseudostichopus oculatus Holothuroidea	61
<i>Pseudostichopus oculatus</i> var. <i>plicatus</i> Holothuroidea	61
Pseudothuria duplex Holothuroidea	162
Psilaster agassizi Asteroidea	25
<i>Psilaster gracilis</i> Asteroidea	23
Psolidium rugosum Holothuroidea	66
<i>Psolus complanatus</i> Holothuroidea	67
Psolus laevis Holothuroidea	69
Psolus mannarensis Holothuroidea	67
Psolus membranaceus Holothuroidea	68
Psolus sp. Holothuroidea	69a
Psychropotes minutus Holothuroidea	116
<i>Pteraster cribrosus</i> Asteroidea	130
<i>Pteraster hirsutus</i> Asteroidea	131b

<i>pulcher Himerometra</i> Crinoidea	26
<i>pulverulenta Culcita</i> Asteroidea	86
pulvinus Pentagonaster Asteroidea	72
purpurata Poriodaridis Echinoidea	5
<i>purpurata Porocidaridis</i> Echinoidea	5
purpurea Ophiothrix (Acanthophiothrix) Ophiuroidea	138
<i>purpurea Ophiothrix</i> Ophiuroidea	138
<i>purpurea Othilia</i> Asteroidea	136
<i>purpureata Procidaridis</i> Echinoidea	5
purpureus Echinaster (Echinaster) Asteroidea	136
<i>purpureus Echinaster</i> Asteroidea	135
<i>purpureus Echinaster</i> Asteroidea	136
pusilla Ophiocoma Ophiuroidea	53
<i>pusilla Ophiomastix</i> Ophiuroidea	53
Pygmaeocidaridis prionigera Echinoidea	31
<i>pyramidalis Rhinobrissus</i> Echinoidea	101
pyramidalis Rhynobrissus Echinoidea	101
pyxis Holothuria (Acanthotrapeza) Holothuroidea	9
<i>pyxis Holothuria</i> Holothuroidea	9
<i>quadrangularis Colochirus</i> Holothuroidea	93
quadrangularis Pentacta Holothuroidea	93
radiata Astropyga Echinoidea	18
<i>radiata Cidaridis</i> Echinoidea	18
<i>radiata Ophioglypha</i> Ophiuroidea	31
radiate Amphiophiura Ophiuroidea	31
<i>rapax Cucumaria</i> Holothuroidea	98
<i>rarispina Salmacis</i> Echinoidea	38
<i>rarispinus Clypeaster (Leptoclypus)</i> Echinoidea	59
rarispinus Clypeaster Echinoidea	59
<i>recta Chondrocloea</i> Holothuroidea	137
<i>recta Synapta</i> Holothuroidea	137
recta Synaptula Holothuroidea	137
<i>regalis Anthenea</i> Asteroidea	84
regularis Halityle Asteroidea	91
regulus Pentaceraster Asteroidea	95

<i>regulus Pentaceros</i> Asteroidea	95
<i>regulus Pentaceros</i> Asteroidea	95
<i>reinhardti Oreaster</i> Asteroidea	98
<i>reinhardti Pentaceros</i> Asteroidea	98
<i>relicta Amphiura</i> Ophiuroidea	102
<i>relicta Ophiomusa</i> Ophiuroidea	17
relictum Ophiomusium Ophiuroidea	17
<i>relictus Amphioplus</i> Ophiuroidea	102
<i>relictus Ophiophragmus</i> Ophiuroidea	103
remollescens Holothuria (Thymiosycia) Holothuroidea	32a
<i>remollescens Holothuria</i> Holothuroidea	32a
<i>reticulatus Clypeaster (Rhaphidoclypus)</i> Echinoidea	60
reticulatus Clypeaster Echinoidea	60
<i>reticulatus Echinus</i> Echinoidea	60
<i>reticulatus Rhaphidoclypus</i> Echinoidea	60
retinens Laganum Echinoidea	69
<i>retinens Laganum</i> Echinoidea	69a
<i>retinense Laganum</i>	69a
retinense mortenseni Laganum Echinoidea	69a
<i>reynaudi Antedon</i> Crinoidea	24
<i>reynaudi Comatula (Alecto)</i> Crinoidea	24
reynaudi Heterometra Crinoidea	24
<i>reynaudi Temnopleurus</i> Echinoidea	42
<i>Rhaphidoclypus reticulatus</i> Echinoidea	60
<i>Rhinobrissus pyramidalis</i> Echinoidea	101
rhodopeplus Persephonaster Asteroidea	24
Rhynobrissus pyramidalis Echinoidea	101
rigida Holothuria (Cystipus) Holothuroidea	10
<i>rigida Holothuria (Cystipus)</i> Holothuroidea	19
<i>rigida Holothuria</i> Holothuroidea	10
<i>rigida Stichopus</i> Holothuroidea	10
<i>rigida Stichopus</i> Holothuroidea	9a
rigidus Synallactes Holothuroidea	64
<i>robillardii Echinus</i> Echinoidea	45
robillardii Gymnechinus Echinoidea	45

robustipinna Himerometra Crinoidea	26
Rosaster confinis Asteroidea	79
Rosaster florifer Asteroidea	80
<i>rosenbergi Linckia</i> Asteroidea	116
<i>roseum Astrogonium</i> Asteroidea	78
<i>roseus Mediaster</i> Asteroidea	78
roseus Pseudarchaster Asteroidea	78
roulei Persephonaster Asteroidea	24a
rubens Elipneustes Echinoidea	110
<i>rubens Eurypneustes</i> Echinoidea	110
<i>rubra Peronella (Laganum)</i> Echinoidea	75
rubra Peronella Echinoidea	75
<i>rudis Anthenea</i> Asteroidea	84
<i>rudis Ophiomitra</i> Ophiuroidea	86
<i>rufescens Chirodota</i> Holothuroidea	139
rufescens Polychaira Holothuroidea	139.
<i>rugosa Holothuria</i> Holothuroidea	34
rugosa Ophiocamax Ophiuroidea	84
rugosum Labidodemas Holothuroidea	34
<i>rugosum Labidodemas</i> Holothuroidea	35
rugosum Psolidium Holothuroidea	66
<i>rullandi Laganum</i> Echinoidea	76
<i>rullandi Peronella</i> Echinoidea	76
rustica Crotalometra Crinoidea	50
<i>rustica Thalassometra</i> Crinoidea	50
rutlandi Peronella Echinoidea	76
<i>sacellus Stulus</i> Holothuroidea	96
<i>sacellus Thyone</i> Holothuroidea	96
Salenia sculpta Echinoidea	27
Salenocidaris miliaris var. indica Echinoidea	28
Salmaciella dussumieri Echinoidea	37
Salmacis bicolor Echinoidea	38
<i>Salmacis dussumieri</i> Echinoidea	37
<i>Salmacis rarispina</i> Echinoidea	38
<i>Salmacis</i> sp.	38

<i>Salmacis sulcata</i> Echinoidea	38
<i>Salmacis sulcata</i> Echinoidea	39
<i>Salmacis virgulata</i> Echinoidea	39
<i>samoana</i> <i>Comanthus</i> (<i>Cenolia</i>) Crinoidea	6
<i>samoana</i> <i>Comanthus</i> (<i>Comanthus</i>) Crinoidea	6
<i>samoana</i> <i>Comanthus</i> (<i>Comanthus</i>) Crinoidea	7
<i>samoana</i> <i>Comanthus</i> Crinoidea	7
<i>samoanus</i> <i>Comanthus</i> Crinoidea	6
<i>samoanus</i> <i>Comanthus</i> Crinoidea	7
<i>samoanus</i> <i>Comanthus</i> Crinoidea	7
<i>sanctum</i> <i>Ophiomusium</i> Ophiuroidea	19
<i>sanguinolenta</i> <i>Benthodytes</i> Holothuroidea	113
<i>Sarametra nicobarica</i> Crinoidea	45
<i>sarasini</i> <i>Anseropoda</i> Asteroidea	46
<i>sarasini</i> <i>Asterina</i> Asteroidea	46
<i>sarasini</i> <i>Palmipes</i> Asteroidea	45
<i>sarasini</i> <i>Palmipes</i> Asteroidea	46
<i>sarissa</i> <i>Anthenoides</i> Asteroidea	56
<i>savignyi</i> <i>Asterias</i> Asteroidea	6
<i>savignyi</i> <i>Diadema</i> Echinoidea	21
<i>savignyi</i> <i>Diadema</i> Echinoidea	22
<i>savignyi</i> <i>Luidia</i> (<i>Luidia</i>) Asteroidea	6
<i>savignyi</i> <i>Luidia</i> Asteroidea	6
<i>savignyi</i> <i>Ophiactis</i> Ophiuroidea	94
<i>savignyi</i> <i>Ophiactis</i> Ophiuroidea	96
<i>savignyi</i> <i>Ophiopsis</i> Ophiuroidea	96
<i>savignyi</i> <i>Ophiopsis</i> Ophiuroidea	145
<i>savignyi</i> <i>Ophiopsis</i> Ophiuroidea	145
<i>saxatile</i> <i>Diadema</i> Echinoidea	22
<i>saxatile</i> <i>Diadema</i> Echinoidea	24
<i>saxatile</i> <i>Echinus</i> Echinoidea	22
<i>scaber</i> <i>Euphyrgus</i> Holothuroidea	160
<i>scaber</i> <i>Goniodiscaster</i> Asteroidea	89
<i>scaber</i> <i>Goniodiscaster</i> Asteroidea	90
<i>scaber</i> <i>Goniodiscus</i> Asteroidea	89

scabra Holothuria (Metriatyla) Holothuroidea	19
<i>scabra Holothuria Holothuroidea</i>	19
scalare Ophiomusium Ophiuroidea	18
Schizaster (Hypselaster) kempfi Echinoidea	87
Schizaster (Paraster) angulatus Echinoidea	88
Schizaster (Paraster) compactus Echinoidea	89
Schizaster (Paraster) gibberulus Echinoidea	90
Schizaster (Paraster) investigatoris Echinoidea	91
<i>Schizaster gibberulus Echinoidea</i>	90
<i>schlegeli Actinometra Crinoidea</i>	4
schlegeli Comanthina Crinoidea	4
<i>schlegeli Comanthus (Comanthina) Crinoidea</i>	3
<i>schlegeli Comanthus (Comanthina) Crinoidea</i>	4
<i>schlegeli Comanthus Crinoidea</i>	4
<i>schmideliana Asterias Asteroidea</i>	87
schmideliana Culcita Asteroidea	87
<i>scillae Temnechinus Echinoidea</i>	43
scillae Temnotrema Echinoidea	43
Scleraasterias mazophora Asteroidea	149
<i>Scleraasterias nitida Asteroidea</i>	149
Sclerasterias nitida Asteroidea	150
scolopendrina Ophiuocoma Ophiuroidea	54
<i>scolopendrina Ophiura Ophiuroidea</i>	54
sculpta Salenia Echinoidea	27
sculptilis Amphiophiura Ophiuroidea	32
<i>sculptilis Ophioglypha Ophiuroidea</i>	32
<i>Scutella decagonalis Echinoidea</i>	66
<i>Scytaster galathea Asteroidea</i>	119
<i>Scytaster indica Asteroidea</i>	108
<i>Scytaster monilis Asteroidea</i>	110
<i>Scytaster novaecaledoniae Asteroidea</i>	116
<i>Scytaster novaecaledoniae Asteroidea</i>	119
<i>Scytaster novaecaledoniae Asteroidea</i>	120
<i>Scytaster novaecaledoniae Asteroidea</i>	121
<i>Scytaster semiregularis Asteroidea</i>	104

Scytaster stella Asteroidea	115
sebae <i>Goniodiscus</i> Asteroidea	86
Selenometra aranea Crinoidea	30
seminudum <i>Ophioleuce</i> Ophiuroidea	27a
semiregularis <i>Certonardoa</i> Asteroidea	104
semiregularis <i>Scytaster</i> Asteroidea	104
semisquamatus <i>Benthopecten</i> Asteroidea	33
semisquamatus <i>Pararchaster</i> Asteroidea	33
semperi <i>Cucumaria</i> Holothuroidea	89
semperi <i>Hemithyone</i> Holothuroidea	89
semperianum <i>Labidodemas</i> Holothuroidea	35
sentifera <i>Crotalometra</i> Crinoidea	51
sentifera <i>Thalassometra</i> Crinoidea	51
septemspinosa <i>Amphiura</i> (<i>Amphiura</i>) Ophiuroidea	109
septemspinosa <i>Amphiura</i> Ophiuroidea	109
serripinna <i>Antedon</i> Crinoidea	38
serripinna <i>Oligometra</i> Crinoidea	38
setosa <i>Echinometra</i> Echinoidea	22
setosum <i>Diadema</i> Echinoidea	21
setosum <i>Diadema</i> Echinoidea	22
sewelli <i>Gymnopatagus</i> Echinoidea	96
sexradia <i>Ophiactis</i> Ophiuroidea	96
sexradia <i>Ophiocnida</i> Ophiuroidea	55
sexradia <i>Ophiocomella</i> Ophiuroidea	55
sibogae <i>Asteroschema</i> (<i>Ophiocreas</i>) Ophiuroidea	10
sibogae <i>Ophiocreas</i> Ophiuroidea	10
Sidonaster batheri Asteroidea	28
Sidonaster vaneyi Asteroidea	28
similes <i>Dendrothuria</i> Holothuroidea	159
similes <i>Protankyra</i> Holothuroidea	130
simplex <i>Ophiomusium</i> Ophiuroidea	19
simplex <i>Ophiotypa</i> Ophiuroidea	37a
sinensis <i>Ophioglypha</i> Ophiuroidea	42
Siraster tuberculatus Asteroidea	81
sladeni <i>Dipsacaster</i> Asteroidea	19

snyderi Cheiraster (Cheiraster) Asteroidea	36
<i>snyderi Cheiraster Asteroidea</i>	36
sociabilis Ophiacantha Ophiuroidea	79
sohariae Paraferdina Asteroidea	125a
sollers Echinocyamus Echinoidea	63
sordida Amphiophiura Ophiuroidea	33
<i>sordida Ophioglypha Ophiuroidea</i>	33
<i>spatagus Echinus Echinoidea</i>	99
spatagus Metalia Echinoidea	99
<i>Spatangus brissus</i> var. <i>latecarinatus</i> Echinoidea	95
<i>Spatangus elongata</i> Echinoidea	104
<i>spatagus Metalia Echinoidea</i>	99
<i>Spatangus sternalis</i> Echinoidea	100
<i>Spatangus subcarinata</i> Echinoidea	106
speciosa Macrophiothrix Ophiuroidea	126
<i>speciosa Ophiiothrix Ophiuroidea</i>	126
spectabilis Linopneustes Echinoidea	112
<i>spectabilis Paleopneustes Echinoidea</i>	112
Sperosoma biseriatum Echinoidea	17
<i>Sphaerothuria bitentaculata</i> Holothuroidea	103
sphenesci Ophiarachnella Ophiuroidea	70
<i>sphenesci Pectinura Ophiuroidea</i>	70
spinifera Holothuria (Theelothuria) Holothuroidea	28
<i>spinifera Holothuria Holothuroidea</i>	28
<i>spinifera Valvaster Asteroidea</i>	101
spinosa Disasterina Asteroidea	48
<i>spinosissima Calometra Crinoidea</i>	49
spinosissima Neometra Crinoidea	49
spinulifera Disasterina Asteroidea	49
<i>spinulosa Hosia Asteroidea</i>	86
spongiosa Laetmogone Holothuroidea	111
springeri Comastrocrinus Crinoidea	65
<i>springeri Hypalocrinus Crinoidea</i>	65
squamata Amphipholis Ophiuroidea	107
<i>squamata Asterias Ophiuroidea</i>	107

squameus Cnemidaster Asteroidea	139
<i>squameus Cnemidaster</i> Asteroidea	147a
<i>squameus Zoroaster</i> Asteroidea	139
<i>squameus Zoroaster</i> Asteroidea	147a
squamosa Mesothuria Holothuroidea	53
<i>squamulosa Nardoa</i> Asteroidea	112
<i>squamulosus Stellaster</i> Asteroidea	81
<i>squamulosus Stellaster</i> Asteroidea	81
Stegnobrisinga gracilis Asteroidea	157
<i>stella Scytaster</i> Asteroidea	115
Stellaster childreni Asteroidea	82
<i>Stellaster equestris</i> Asteroidea	82
<i>Stellaster equestris</i> Asteroidea	81
<i>Stellaster incei</i> Asteroidea	81
<i>Stellaster incei</i> Asteroidea	82
<i>Stellaster squamulosus</i> Asteroidea	81
<i>Stellaster squamulosus</i> Asteroidea	81
stellata Amphiophiura (Dictenophiura) Ophiuroidea	34
<i>stellata Amphiophiura</i> Ophiuroidea	34
<i>stellata Dictenophiura</i> Ophiuroidea	34
<i>stellata Ophioglypha</i> Ophiuroidea	34
<i>stellifera Comatella</i> Crinoidea	14
<i>stelligera Actinometra</i> Crinoidea	14
stelligera Comatella Crinoidea	14
<i>stelligera Ophiothrix</i> Ophiuroidea	142
Stephanometra coronata Crinoidea	30a
Stephanometra indica Crinoidea	31
<i>Stephanometra monacantha</i> Crinoidea	32
Stephanometra monacantha Crinoidea	32
Stereocidaris alcocki Echinoidea	8
Stereocidaris indica Echinoidea	9
sternalis Metalia Echinoidea	100
<i>sternalis Spatangus</i> Echinoidea	100
<i>Stichopus (Gymnochirota) cinerascens</i> Holothuroidea	25
<i>Stichopus (Gymnochirota) leucospilota</i> Holothuroidea	16

<i>Stichopus (Perideris) chloronotus</i> Holothuroidea	36
Stichopus chloronotus Holothuroidea	36
Stichopus herrmanni Holothuroidea	37
Stichopus horrens Holothuroidea	38
<i>Stichopus rigida</i> Holothuroidea	10
<i>Stichopus rigida</i> Holothuroidea	9a
<i>Stichopus</i> sp. Holothuroidea	39
<i>Stichopus variegatus herrmanni</i> Holothuroidea	37
<i>Stichopus variegatus</i> Holothuroidea	37
Stichopus vastus Holothuroidea	39
<i>Stiremetra carinifera</i> Crinoidea	52
Stolus buccalis Holothuroidea	96
<i>Stolus conjugans</i> Holothuroidea	97
<i>Stolus conjugens</i> Holothuroidea	97
Stolus conjungens Holothuroidea	97
Stolus rapax Holothuroidea	98
Stolus rapax Holothuroidea	98
<i>Stolus sacellus</i> Holothuroidea	96
<i>Stolus</i> sp. Holothuroidea	98
<i>Stomopneustes atropurpurea</i> Echinoidea	29
<i>Stomopneustes</i> sp Echinoidea	29
Stomopneustes variolaris Echinoidea	29
<i>striata</i> Asterias Asteroidea	101
striata Chondroclaea Holothuroidea	138
striata Synaptula Holothuroidea	138
striatus Valvaster Asteroidea	101
striolata Ophiothrix (Placophiothrix) Ophiuroidea	150
<i>striolata Ophiothrix</i> Ophiuroidea	150
<i>stygia</i> Moira (Moira) Echinoidea	86
stygia Moira Echinoidea	86
Stylocidaris albidens Echinoidea	10
<i>Stylocidaris bracteata</i> var. <i>albidens</i> Echinoidea	10
Stylocidaris brevicollis Echinoidea	11
Stylocidaris lorioli Echinoidea	12
Stylocidaris tiara Echinoidea	13

Styracaster armatus Asteroidea	28a
Styracaster caroli Asteroidea	29
Styracaster clavipes Asteroidea	29a
<i>Styracaster horridus</i> Asteroidea	29
subcarinata Lovenia Echinoidea	106
<i>subcarinata Spatangus</i> Echinoidea	106
subfastosum Asteroschema Ophiuroidea	9
subulata Metrodora Asteroidea	138
<i>sulcata Salmacis</i> Echinoidea	38
<i>sulcata Salmacis</i> Echinoidea	39
superba Ophiolepis Ophiuroidea	12
superbus Johannaster Asteroidea	64
<i>superbus Oreaster</i> Asteroidea	97
<i>superbus Pentaceros</i> Asteroidea	97
superbus Poraster Asteroidea	97
Synallactes horridus Holothuroidea	62
Synallactes pellucidus Holothuroidea	63
Synallactes rigidus Holothuroidea	64
Synallactes woodmasoni Holothuroidea	65
<i>Synapta godeffroyi</i> Holothuroidea	120
<i>Synapta grisea</i> Holothuroidea	123
Synapta maculata Holothuroidea	136
<i>Synapta ooplax</i> Holothuroidea	124
<i>Synapta recta</i> Holothuroidea	137
Synapta sp. Holothuroidea	136a
Synaptula recta Holothuroidea	137
Synaptula striata Holothuroidea	138
Tamaria dubiosa Asteroidea	126
Tamaria fusca Asteroidea	127
Tamaria hirsuta Asteroidea	128
Tamaria megaloplax Asteroidea	129
<i>Tamaria tubifer</i> Asteroidea	129
tamilicus Astropecten Asteroidea	15
tara Abyssaster Asteroidea	25a
<i>tara Hyphalaster</i> Asteroidea	25a

Tegulaster ceylanica Asteroidea	52
<i>Tegulaster ceylanicus</i> Asteroidea	52
Tegulaster emburyi Asteroidea	53
<i>Temnechinus scillae</i> Echinoidea	43
<i>Temnopleura</i> Echinoidea	42
<i>Temnopleurus (Toreumatica) apodus</i> Echinoidea	40
Temnopleurus apodus Echinoidea	40
Temnopleurus proctalis Echinoidea	41
<i>Temnopleurus reynaudi</i> Echinoidea	42
<i>Temnopleurus</i> sp. Echinoidea	42
Temnopleurus toreumaticus Echinoidea	42
<i>Temnotrema doederleini</i> Echinoidea	34
Temnotrema scillae Echinoidea	43
<i>tenera Ophioceramis</i> Ophiuroidea	88
tenera Ophiomoeris Ophiuroidea	88
tenuiradiis Paragonaster Asteroidea	70a
tenuis Amphiura (Ophiopeltis) Ophiuroidea	110
<i>tenuis Ophionephthys</i> Ophiuroidea	110
tenuissima Bohadschia Holothuroidea	8
<i>tenuissima Holothuria</i>	8
<i>ternalis Dorigona</i> Asteroidea	68
<i>tessellata Pectinura</i> Ophiuroidea	63
<i>Thalassometra</i> Crinoidea	53a
<i>Thalassometra</i> Crinoidea	53a
<i>Thalassometra infelix</i> Crinoidea	50
Thalassometra pergracilis Crinoidea	53a
Thalassometra periplos Crinoidea	53
<i>Thalassometra rustica</i> Crinoidea	50
<i>Thalassometra sentifera</i> Crinoidea	51
Thaumatocrinus investigatoris Crinoidea	62
Thelenota ananas Holothuroidea	40
Thorsonia investigatoris Holothuroidea	99
<i>thurstoni Oreaster</i> Asteroidea	92
<i>Thyone buccalis</i> Holothuroidea	96
<i>Thyone conjungens</i> Holothuroidea	97

Thyone dura Holothuroidea	100
<i>Thyone fuscus</i> var. <i>papuensis</i> Holothuroidea	101
<i>Thyone herdmanni</i> Holothuroidea	88
<i>Thyone mirabilis</i> Holothuroidea	88
Thyone papuensis Holothuroidea	101
<i>Thyone sacellus</i> Holothuroidea	96
<i>Thyone</i> sp. Holothuroidea	100
<i>Thyone versicolor</i> Holothuroidea	88
<i>tiara Dorocidaris</i> Echinoidea	13
tiara Stylocidaris Echinoidea	13
timida Protankyra Holothuroidea	131
<i>timorensis Alecto</i> Crinoidea	5
<i>timorensis Comanthus</i> (<i>Comanthus</i>) Crinoidea	5
<i>timorensis Comanthus</i> Crinoidea	5
<i>toreumaticus Cidaris</i> Echinoidea	42
toreumaticus Temnopleurus Echinoidea	42
Toxopneustes pileolus Echinoidea	47
Trachythyone alcocki Holothuroidea	102
<i>Trachythyone imbricata</i> Holothuroidea	91
<i>Trepang ananas</i> Holothuroidea	40
Trichaster acanthifer Ophiuroidea	4a
<i>Trichaster elegans</i> Ophiuroidea	4a
<i>Trichaster flagellifer</i> Ophiuroidea	4a
<i>Trichaster palmiferus</i> Ophiuroidea	4a
Trichometra obscura Crinoidea	47
Trichometra plana Crinoidea	46
tricolor Pseudocolochirus Holothuroidea	94a
<i>trigonarius Echinus</i> Echinoidea	54
trigonarius Heterocentrotus Echinoidea	54
Trigonocidaris versicolor Echinoidea	44
trilineata Ophiothrix (Ophiothrix) Ophiuroidea	146
<i>trilineata Ophiothrix</i> Ophiuroidea	146
<i>Tripneustes angulosa</i> Echinoidea	48
Tripneustes gratilla Echinoidea	48
tristis Protankyra Holothuroidea	132

Trochodota havelockensis Holothuroidea	140
Trochostoma albicans Holothuroidea	147
Trochostoma andamanense Holothuroidea	148
Trochostoma ecalcareum Holothuroidea	149
Trochostoma elongatum Holothuroidea	150
Trochostoma pauperum Holothuroidea	151
<i>Tropiometra carinata clarki</i> Crinoidea	48
Tropiometra carinata Crinoidea	48
<i>Tropiometra encrinus</i> Crinoidea	48
<i>Tropiometra indica</i> Crinoidea	48
<i>truncata Lobophora</i> Echinoidea	78
<i>truncatus Echinodiscus bisperforatus</i> var. Echinoidea	78
<i>tuberala Pentaceros productus</i> var. Asteroidea	97
<i>tuberculata Anthenea</i> Asteroidea	84
tuberculata Freyastera Asteroidea	157b
<i>tuberculata Freyella</i> Asteroidea	157b
tuberculatus Siraster Asteroidea	81
<i>tuberifer Ophidiaster</i> Asteroidea	129
<i>tubifer Tamaris</i> Asteroidea	129
<i>tumida Fromia</i> Asteroidea	108
tumidus Ophiomastus Ophiuroidea	36
<i>tumulosa Nardoa</i> Asteroidea	118
turbinata Cucumaria Holothuroidea	87
<i>turcarum Echinothrix</i> Echinoidea	24
tuticorenensis Protankyra Holothuroidea	133
<i>typica Actinocucumis</i> Holothuroidea	70
<i>typica Benthodytes</i> Holothuroidea	114
typica Benthodytes Holothuroidea	114
<i>typica Leptopentacta</i> Holothuroidea	92
typicus Actinocucumis Holothuroidea	70
<i>typicus Archaster</i> Asteroidea	54
typicus Archaster Asteroidea	55
<i>typus Linckia</i> Asteroidea	116
<i>undulata Ophioglypha</i> Ophiuroidea	43
undulata Ophiura Ophiuroidea	43

<i>undulatum</i> <i>Ankyloderma musculus</i> var. <i>Holothuroidea</i>	145
<i>unicolor</i> <i>Brissus</i> <i>Echinoidea</i>	95
<i>vagabunda</i> <i>Holothuria</i> <i>Holothuroidea</i>	16
vagans <i>Ophiacantha</i> <i>Ophiuroidea</i>	80
<i>valdiviae</i> <i>Eupatagus</i> (<i>Gymnopatagus</i>) <i>Echinoidea</i>	97
<i>valdiviae</i> <i>Eupatagus</i> <i>Echinoidea</i>	97
valdiviae <i>Gymnopatagus</i> <i>Echinoidea</i>	97
valenciae <i>Ophiocoma</i> <i>Ophiuroidea</i>	54a
validum <i>Deima</i> <i>Holothuroidea</i>	106
validum <i>Ophiomusium</i> <i>Ophiuroidea</i>	20
vallei <i>Goniodiscater</i> <i>Asteroidea</i>	90
<i>vallei</i> <i>Goniodiscus</i> <i>Asteroidea</i>	90
<i>Valvaster spinifera</i> <i>Asteroidea</i>	101
Valvaster striatus <i>Asteroidea</i>	101
vaneyi <i>Sidonaster</i> <i>Asteroidea</i>	28
vanus <i>Hemiaster</i> <i>Echinoidea</i>	82
vappa <i>Astropecten</i> <i>Asteroidea</i>	16
variabilis <i>Bathyploetes</i> <i>Holothuroidea</i>	47
variabilis <i>Macrophiothrix</i> <i>Ophiuroidea</i>	127
<i>variabilis</i> <i>Ophiothrix</i> <i>Ophiuroidea</i>	127
<i>varians</i> <i>Chondrocloea</i> <i>Holothuroidea</i>	137
<i>varians</i> <i>Eudiocrinus</i> <i>Crinoidea</i>	60
varians <i>Pentametrocrinus</i> <i>Crinoidea</i>	60
<i>variegata</i> <i>Ophiocoma insularia</i> var. <i>Ophiuroidea</i>	48
variegata <i>Ophiothrix</i> (<i>Ophiothrix</i>) <i>Ophiuroidea</i>	147
<i>variegata</i> <i>Ophiothrix</i> <i>Ophiuroidea</i>	147
<i>variegatus</i> <i>herrmanni</i> <i>Stichopus</i> <i>Holothuroidea</i>	37
<i>variegatus</i> <i>Stichopus</i> <i>Holothuroidea</i>	37
<i>variolaris</i> <i>Echinus</i> <i>Echinoidea</i>	29
variolaris <i>Stomopneustes</i> <i>Echinoidea</i>	29
vastus <i>Stichopus</i> <i>Holothuroidea</i>	39
<i>vecors</i> <i>Astrostephanus</i> <i>Ophiuroidea</i>	7a
vecors <i>Astrothrombus</i> <i>Ophiuroidea</i>	7a
<i>vecors</i> <i>Astrotoma</i> <i>Ophiuroidea</i>	7a
verrucosus <i>Pelopatides</i> <i>Holothuroidea</i>	60

versatile Laganum Echinoidea	70
versicolor Havelockia Holothuroidea	88
<i>versicolor Thyone</i> Holothuroidea	88
versicolor Trigonocidaris Echinoidea	44
<i>verticillata Cidarites</i> Echinoidea	7
verticillata Prionocidaris Echinoidea	7
verticillatum Phormosoma Echinoidea	16
<i>verticillatum Phormosoma</i> Echinoidea	17
verticillatus Ophiocentrus Ophiuroidea	117
<i>verticillatus Phyllacanthus</i> Echinoidea	7
vestita Ophiacantha Ophiuroidea	81
vestitus Chaetaster Asteroidea	39
vigelandi Ophiothrix (Acanthophiothrix) Ophiuroidea	139
violacea Laetmogone Holothuroidea	112
violaceus Benthopecten Asteroidea	34
<i>violaceus Colochirus</i> Holothuroidea	95
<i>violaceus Pararchaster</i> Asteroidea	34
violaceus Pseudocolochirus Holothuroidea	95
virgulata Salmacis Echinoidea	39
<i>vitiensis Bohadschia</i> Holothuroidea	7
vitrea Ophiothrix (Ophiothrix) Ophiuroidea	148
<i>vitrea Ophiothrix</i> Ophiuroidea	148
vitreus Argopatagus Echinoidea	108
<i>vittatus Coelopleurus</i> Echinoidea	30
vittatus Coelopleurus Echinoidea	30
volva Fibularia Echinoidea	65
vorax Ophiacantha Ophiuroidea	82
vredenburgi Breynia Echinoidea	103
<i>wahlbergi Alecto</i> Crinoidea	7
<i>wahlbergi Comanthus (Comanthus)</i> Crinoidea	7
wahlbergi Comanthus Crinoidea	7
<i>westermanni Oreaster</i> Asteroidea	96
westermanni Pentaceraster Asteroidea	96
<i>westermanni Pentaceros</i> Asteroidea	96
woodmasoni Bathycrinus Crinoidea	63

woodmasoni Dictyaster Asteroidea	133
woodmasoni Milteliphaster Asteroidea	67
<i>woodmasoni Pannychia</i> Holothuroidea	65
woodmasoni Synallactes Holothuroidea	65
xenophilus Dictyaster Asteroidea	132
<i>yoldii Ophiopeza</i> Ophiuroidea	74
yoldii Ophiopsammus Ophiuroidea	74
<i>yoldii Pectinura</i> Ophiuroidea	74
Ypsilothuria bitentaculata Holothuroidea	103
zea Zoroaster Asteroidea	147
<i>zebra Astropecten</i> Asteroidea	16
Zoroaster adami Asteroidea	140
Zoroaster alfredi Asteroidea	141
Zoroaster angulatus Asteroidea	142
Zoroaster barathri Asteroidea	143
Zoroaster carinatus Asteroidea	144
Zoroaster gilesii Asteroidea	145
Zoroaster planus Asteroidea	146
Zoroaster sp. Asteroidea	147a
Zoroaster sp. Asteroidea	147a
<i>Zoroaster squameus</i> Asteroidea	139
<i>Zoroaster squameus</i> Asteroidea	147a
Zoroaster zea Asteroidea	147
Zygometra andromeda	55a

Table 1. Statewise Echinoderm fauna of different classes

	Phylum Echinodermata					
State	No. of Species of each class					
	Crinoidea	Asteroidea	Ophiuroidea	Echinoidea	Holothuroidea	Total
Gujarat	4	9	13	3	8	37
Maharashtra	1	2	6	3	9	21
Goa	1	4	3	3	5	16
Karnataka	5	5	3	8	6	27
Lakshadweep	5	38	34	29	34	140
Kerala	4	10	15	22	23	74
Tamil Nadu	15	55	35	40	48	193
Andhra Pradesh	4	15	19	24	15	77
Orissa	6	11	13	16	6	52
West Bengal	0	7	7	5	4	23
A & N Islands	50	101	104	79	90	424

Table 2. Habitat-wise Echinoderm fauna of different classes

Class	No. of Species			
	Shallow water		Deep water	
	Soft bottom	Hard bottom	Soft bottom	Total
Crinoidea	4	34	27	65
Asteroidea	25	58	75	158
Ophiuroidea	29	59	64	152
Echinoidea	36	27	50	113
Holothuroidea	24	55	82	161
Total	118	233	298	649

Table 3. Number of echinoderm species recorded exclusively from each region

Region	Class	No. of species			
		Shallow-water		Deep-water	
		Soft bottom	Hard bottom	Soft bottom	Total
Gujarat	Crinoidea	0	1	0	1
	Asteroidea	0	0	0	0
	Ophiuroidea	1	3	0	4
	Echinoidea	0	0	0	0
	Holothuroidea	0	1	0	1
	Total	1	5	0	6
Maharashtra	Crinoidea	0	0	0	0
	Asteroidea	0	0	0	0
	Ophiuroidea	0	0	0	0
	Echinoidea	0	0	1	1
	Holothuroidea	2	0	0	2
	Total	2	0	1	3
Goa	Crinoidea	0	0	0	0
	Asteroidea	0	0	2	2
	Ophiuroidea	0	0	1	1
	Echinoidea	0	0	0	0
	Holothuroidea	0	0	4	4
	Total	0	0	7	7
Karnataka	Crinoidea	0	1	0	1
	Asteroidea	0	0	2	2
	Ophiuroidea	1	0	1	2
	Echinoidea	0	0	0	0
	Holothuroidea	0	0	2	2
	Total	1	1	5	7
Lakshadweep	Crinoidea	0	0	4	4
	Asteroidea	0	4	8	12
	Ophiuroidea	0	2	6	8
	Echinoidea	0	1	1	2
	Holothuroidea	0	1	3	4
	Total	0	8	22	30
Kerala	Crinoidea	0	0	2	2

Region	Class	No. of species			
		Shallow-water		Deep-water	Total
		Soft bottom	Hard bottom	Soft bottom	
	Asteroidea	0	0	6	6
	Ophiuroidea	1	0	4	5
	Echinoidea	0	0	7	7
	Holothuroidea	0	0	12	12
	Total	1	0	31	32
Tamil Nadu	Crinoidea	0	0	1	1
	Asteroidea	1	4	5	10
	Ophiuroidea	3	8	1	12
	Echinoidea	4	1	4	9
	Holothuroidea	4	8	10	22
	Total	12	21	21	54
Andhra Pradesh	Crinoidea	0	0	0	0
	Asteroidea	0	0	3	3
	Ophiuroidea	0	0	4	4
	Echinoidea	1	0	1	2
	Holothuroidea	4	0	8	12
	Total	5	0	16	21
Orissa	Crinoidea	1	0	1	2
	Asteroidea	0	0	0	0
	Ophiuroidea	3	0	0	3
	Echinoidea	0	0	0	0
	Holothuroidea	0	0	2	2
	Total	4	0	3	7
West Bengal	Crinoidea	0	0	0	0
	Asteroidea	0	0	2	2
	Ophiuroidea	1	0	0	1
	Echinoidea	0	0	0	0
	Holothuroidea	2	0	0	2
	Total	3	0	2	5
A & N Islands	Crinoidea	0	20	14	34
	Asteroidea	6	24	35	65
	Ophiuroidea	7	14	30	51
	Echinoidea	5	6	26	37
	Holothuroidea	5	12	33	50
	Total	23	76	138	237

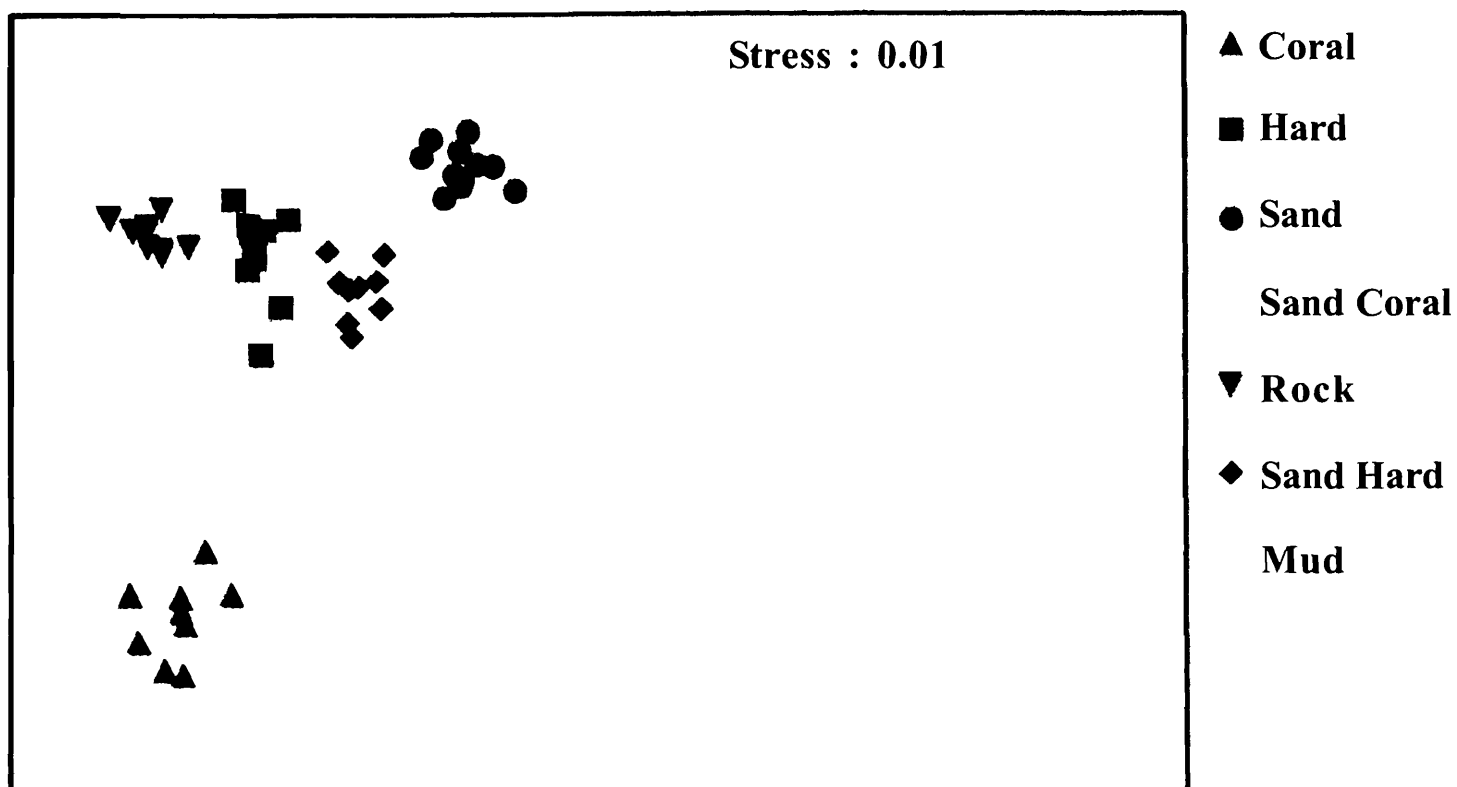


Fig. 1. MDS ordination based on species presence / absence data for the 60 sites representing seven habitats.

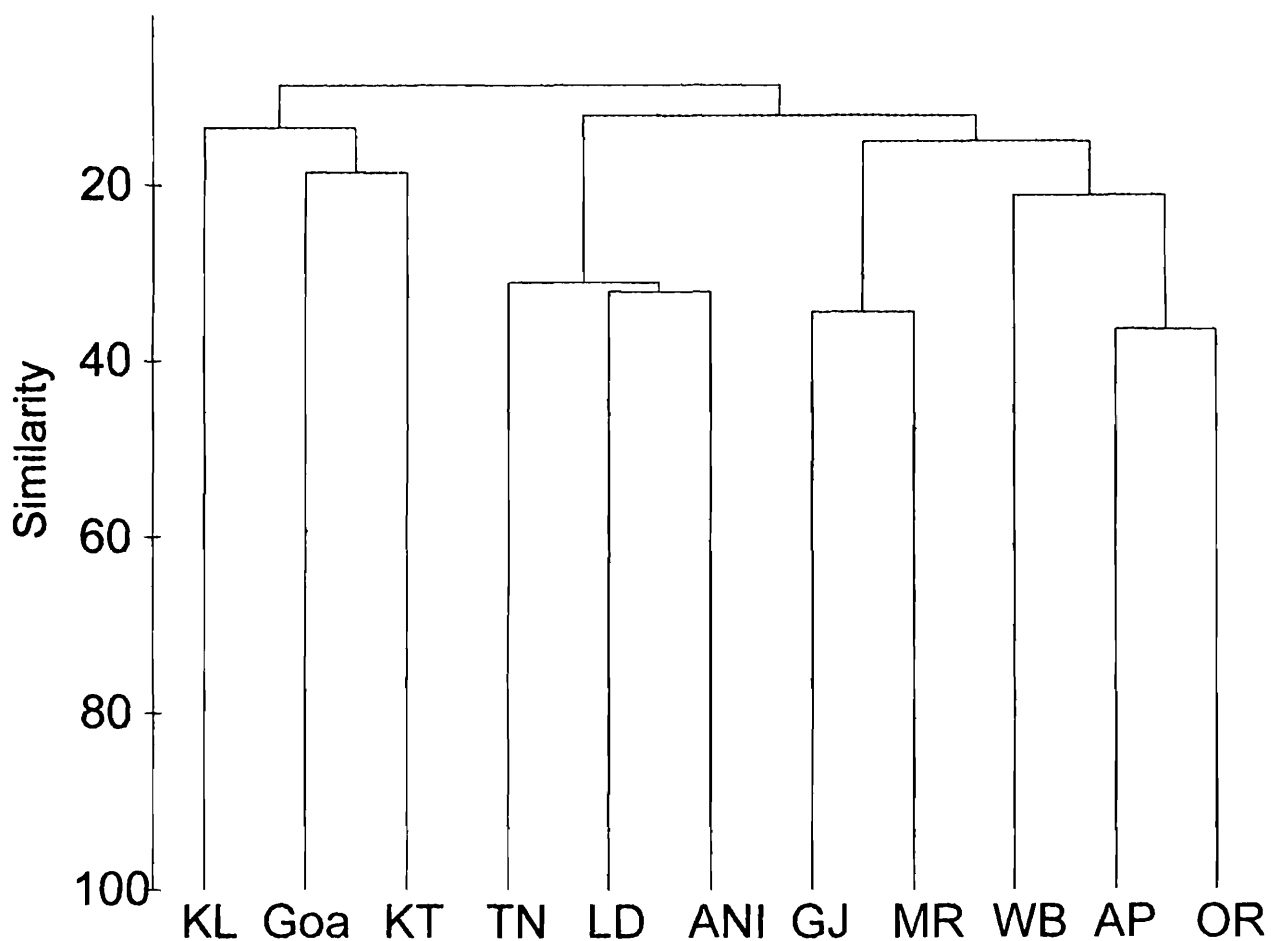


Fig. 2. Dendrogram showing Bray-Curtis similarity based on species presence/absence data for the 11 regions

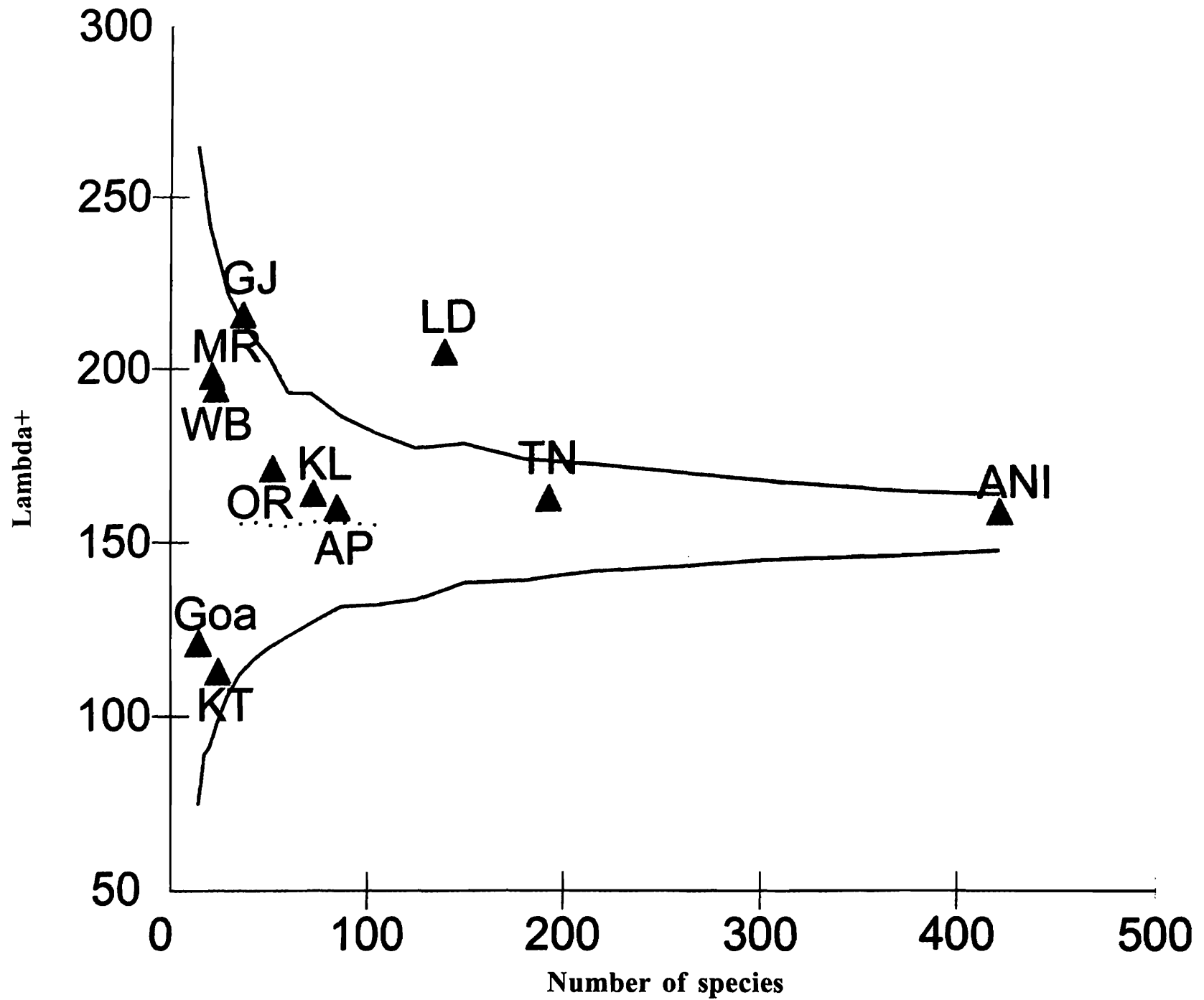


Fig. 3. Funnel plot showing variation in taxonomic distinctness for the 11 regions (GJ- Gujarat; MR- Maharashtra; Goa; KT- Karnataka; LD- Lakshadweep; KL- Kerala; TN- Tamil Nadu; AP- Andhra Pradesh; OR- Orissa; WB- West Bengal; A&N- Andaman & Nicobar Islands)

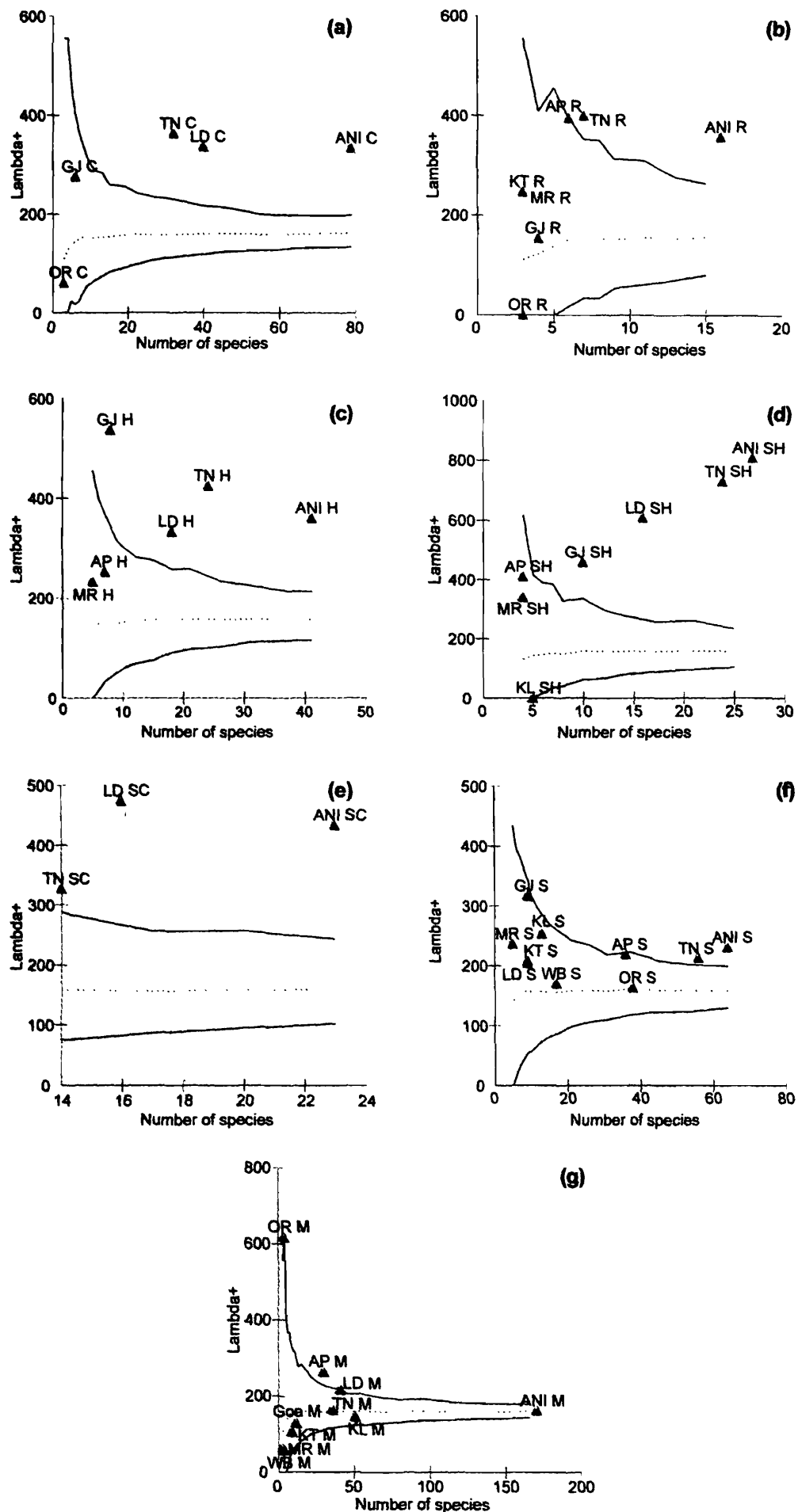


Fig. 4. Funnel plots showing variation in taxonomic distinctness for different habitats: (a). Coral; (b). Rock; (c). Hard; (d). Sand associated with Hard; (e). Sand associated with Coral; (f). Sand; and (g). Mud.