

# **Echinodermata**

## **of Andaman and Nicobar Islands, Bay of Bengal**

### **An Annotated List**

**D.R.K. SASTRY**



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## Echinodermata of Andaman and Nicobar Islands, Bay of Bengal : An Annotated List

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**Zoological Survey of India  
Kolkata**

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## INTRODUCTION

The sea around the Andaman and Nicobar Islands is Bay of Bengal with Andaman Sea on the eastern side up to the coast of Myanmar. The islands being hilly in nature the slope of the shelf is steep with limited shallow area and extensive deep offshore area. The bottom of the shelf supports extensive fringing reefs. However, on the western side there are submerged coral banks that can be designated as barrier reefs and a submerged Invisible Bank, approximately east of Rutland Island of the South Andamans. The coastal zone, in addition to the fringing reefs, is endowed with extensive rocky outcrops, sandy beaches and mangrove vegetation. The coastal habitats and the offshore benthic zone harbour a rich variety of echinoderms, which is approximately half the echinoderm fauna of the Indian subcontinent.

Bell (1887) for the first time listed the echinoderms from the Andaman Islands. Earlier, there were only stray reports of occurrence of individual species off these Islands. For example, Blainville (1830) reported the asteroid, *Protoreaster lincki* as *Asterias lincki*, Lütken (1872) reported the asteroid *Astropecten euryacanthus*, Theel (1886) encountered two holothurian species, *Holothuria pardalis* and *Holothuria marenzelleri* and Marktanner-Turneretscher (1887) discovered the ophiuroid, *Ophiolophus novarae*, all from the Nicobar Islands. Lütken (1865 and 1872a, b) reported some more echinoderms from Nicobars- probably the asteroids *Pentaceraster gracilis* (Lütken) and *Nardoa galathea* Lütken and the ophiuroid *Macrophiothrix galathea* (Lütken)- from Nicobars (James, personal communication). However, there has not been 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 and collections of Royal Indian Marine Survey Steamer *INVESTIGATOR*, specimens of several species of echinoderms were collected from shallow as well as deep waters. These were studied and reported up on mainly under *Echinoderma of the Indian Museum* in 10 parts and in a few smaller accounts. Chief among these are the reports of Crinoidea by Clark, A. H. (1912a, b), Asteroidea by Wood-Mason and Alcock (1891 including a few echinoids), Alcock (1893, 1894), Koehler (1909, 1910), Ophiuroidea by Koehler (1897, 1898, 1899, 1900), Echinoidea by Koehler (1914, 1922a, 1927) and Holothuroidea by Koehler and Vaney (1905, 1908) and a few miscellaneous reports by Anderson (1894, 1907) etc. Later James (1966-1998), Julka and Das (1978) and Sastry (1977-2002) reported on the echinoderms from the Andaman and Nicobar Islands and added several species to the echinoderm fauna of these islands. James (1983) while dealing with sea cucumber and sea urchin resources of the Andaman and Nicobar Islands gave a list of echinoderms known till then from these islands.

In addition, there have been several revisionary works effecting changes in the nomenclature and status of several taxa. Chief among these are the monographic and revisionary accounts of Clark, A.H. (1915-1950), Clark, A.H. and Clark, A.M. (1967) and

Rowe *et al.* (1986) on Crinoidea, Döderlein (1915, 1917, 1935), Livingstone (1933), John (1948), Clark, A.M. (1953a, 1956, 1967b, 1983, 1989, 1993, 19960), Madsen (1951, 1961), Dartnall (1971), Hotchkiss and Clark (1976) and Clark A.M. and Mah (2001) on Asteroidea, Döderlein (1927, 1930), Clark, A.M. (1953b, 1967a, 1968), Fell (1960), Devaney (1970) Cherbonnier and Guille (1978) and Madsen (1983) on Ophiuroidea, Mortensen (1928-1951) on Echinoidea and James (1966-1998) on several Indian echinoderms including Holothuroidea (James and James, 1994). These accounts are widely scattered in the literature and not easily available. With the result, the researchers, conservation and management personnel as well as others concerned with echinoderm resources and biodiversity are facing difficulty in compiling the echinoderm fauna known from the 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 this need, the following account has been compiled from all the available published literature as well as material studied by the author and those present in the National Zoological Collection of Zoological Survey of India at Kolkata and Port Blair, but unpublished or recently published by the author. The main aim is to prepare a base of available information by bringing together the scattered knowledge and detailed distribution in these islands from unpublished material though already known from these islands, so that further studies can be planned. It has not been possible to examine the old 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.

An attempt has been made to give under the species, original references as far as these are available to the author and references of reports from Andaman and Nicobar Islands. References containing detailed synonymy, distribution, revision etc. are also given whenever these are available and considered important. 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 and the occurrence is attributed to both the species, *e.g.* *Asterina burtoni* & *Asterina cepheus* (Asteroidea, Asterinidae)\* and *Diadema savignyi* & *Diadema setosum* (Echinoidea, Diadematidae), for calculation of region wise abundance. Examination of material of some more species is also required for confirmation. Most of the species are Indo-West Pacific in general distribution and some have limited distribution extending only to the neighboring coasts. Very few deep water and shallow warm water species are Atlantic-Indo-Pacific and a few more were taken only once and not reported since their discovery.

Under each species, the localities of occurrence in the Andamans are grouped under North- Middle- and South- Andamans. The Headquarters of the North Andaman Division of the Forest Department is located at Mayabunder. Hence, earlier collectors and so also the authors mentioned Mayabunder under North Andamans. But, Mayabunder is geographically on the Middle Andaman Island. Hence it is here corrected as a locality of Middle Andamans. Recently another Division, namely Little Andaman Division is formed for the Little Andaman Island. However the island is considered as one of the South Andamans. The localities of Nicobars are grouped as a single unit under Nicobars since

\*According to D.B. James (pers. Commun.) *A. cepheus* is a synonym of *A. burtoni*

the northern area includes only Car Nicobar and collections in the southern group are only from Great Nicobar. Some localities of older collections were noted as Andamans or Andaman Sea without any further details. These have been given as such. Some were from the 10-degree channel between the Andaman and Nicobar groups. These are taken as to belong to both the Andamans and Nicobars. Soota *et al.* (1983) gave distribution of some holothurians as Andaman and Nicobar Islands without clearly mentioning whether the species is from Andamans, Nicobars or from both. James in his several works on holothurians also mentioned the same without any comment. These have been considered to be from Andamans, if the locality could be verified, or from the Andamans because the locality of most of the species for which the locality could be verified was Andamans. Some important references which were revisionary in nature and those giving detailed distribution or additional records are added to the list of references cited in the text to serve as a partial bibliography.

## LIST OF ECHINODERMATA KNOWN FROM THE ANDAMAN AND NICOBAR ISLANDS

Class    CRINOIDEA  
Order    COMATULIDA  
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, 0-108m (0-59 fms)
1983. *Capillaster mariae*: James, D.B. *Bull. cent. mar. Fish. Res. Inst.* 34 : 88 Andamans.

### 2. *Capillaster multiradiatus* (Linnaeus)

1758. *Asterias multiradiata* Linnaeus, *C. Systema Naturae*, Ed. 10 : 663
1912. *Capillaster multiradiata*: A. H. Clark, *Echinoderma of the Indian Museum*, Part VII : 74, 310 North Andamans: 8 miles west of Interview Island, 82m; South Andamans: Rutland Island, 64m (35 fms); West of South Andamans, 11° 49' 30" N 92° 55' E, 101m (55 fathoms); West of South Andaman Island, 11° 49' 30" N, 92° 55' E, 100m; Nicobars
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)
1997. *Capillaster multiradiatus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.* 13(1 & 2) : 48 South Andamans: MGMNP (Pongibalu)
1999. *Capillaster multiradiatus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.* 15(2) : 18 North Andamans : Oliver Island

*Material* : North Andamans : Oliver Island; South Andamans : MGMNP\* (Pongibalu).

\* Mahatama Gandhi Marine National Park

### 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 South Andamans : Invisible Bank
1997. *Comanthina nobilis* : Sastry, D.R.K. *J. Andaman Sci. Assoc.* 13(1 & 2) : 48 South Andamans: MGMNP (Pongibalu)

*Material* : South Andamans : MGMNP (Pongibalu).

### 4. *Comanthina schlegeli* P. H. Carpenter

1881. *Actinometra schlegeli* P. H. Carpenter, *Notes from the Leyden Museum*, 3 : 210
1912. *Comanthus (Comanthina) schlegeli* : A. H. Clark, *Echinoderma of the Indian Museum, Part VII* : 91 (part) South Andamans: Invisible Bank, 0-77m (0-42 fms)
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)

### 5. *Comanthus parvicirrus* (Müller)

1841. *Alecto parvicirra* Müller, *J. Ber. K. preuss. Akad. Wiss.* 1841 : 185
1912. *Comanthus (Comanthus) parvicirra* : A. H. Clark, *Echinoderma of the Indian Museum, Part VII* : 97 North Andamans : Table Island
1932. *Comanthus (Comanthus) parvicirra* : A. H. Clark, *Rec. Indian Mus.* 34(4) : 554 South Andamans : Port Blair; Nicobars : St. 623. Coral reef NE of Octavia Bay, Kamorta Island; St. 629. Spiteful Bay, Nancowry Island
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)
2001. *Comanthus parvicirrus*: Sastry, D.R.K. *Rec. zool. Surv. India*, 99 : 158 South Andamans : Ritchie's Archipelago (Havelock Island)

*Material* : South Andamans : Ritchie's Archipelago (Havelock Island).

### 6. *Comanthus samoanus* A. H. Clark

*Remarks* : 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) 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)
1999. *Comanthus samoanus*: Sastry, D.R.K. *J. Andaman Sci. Assoc.* 15(2) : 18 North Andamans : Swamp, Dotrel, Orchid, Curlew (B. P.), Egg and Interview Islands
2001. *Comanthus samoanus*: Sastry, D.R.K. *Rec. zool. Surv. India*, 99 : 159 South Andamans : Ritchie's Archipelago (Havelock Island)

**Material** : North Andamans : Swamp, Dotrel, Orchid, Curlew (B. P.), Egg and Interview Islands; South Andamans : Off Port Blair, Ritchie's Archipelago (Havelock Island, Sir William Peel Island); Nicobars : Kamorta, Trinket.

#### 8. *Comaster gracilis* (Hartlaub)

1890. *Actinometra gracilis* Hartlaub, *Nachr. Ges. Gottingen*, **Mai 1890**, p. 187
1912. *Comaster gracilis* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 84 South Andamans: Port Blair
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.* 34 : 88 South Andamans : Port Blair

#### 9. *Comaster multibrachiatus* (P. H. Carpenter)

1888. *Actinometra multibrachiata* P. H. Carpenter, "*Challenger*" *Reports, Zoology*, 26 : 299
1912. *Comaster multibrachiata*: A. H. Clark, *Echinoderma of the Indian Museum*, Part VII : 84 Andamans, 31-55m (17-30 fms)
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.* 34 : 88 Andamans

#### 10. *Comaster multifidus* (J. Müller)

1841. *Alecto multifida* Müller, J. *Archiv fur Naturgesch*, 1841, i. p. 147
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: Curlew (B. P.) Island

2001. *Comaster multifidus* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 159 South Andamans : Ritchie's Archipelago (Sir William Peel Island)

*Material* : North Andamans : Curlew (B. P.) Island; South Andamans : Ritchie's Archipelago (Sir William Peel Island).

### 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.* **34** : 88 Andamans

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

1888. *Actinometra maculata* Carpenter, P. H. "*Challenger*" *Reports*, Zoology, **26**: 307

1932. *Comatella maculata*: Clark, A.H. *Rec. Indian Mus.* **34**(4): 552 Nicobars: St. 710. Trinket Island

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.* **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

*Material* : North Andamans: Swamp and Dotrel Islands; South Andamans : MGMNP (Pongibalu).

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

1888. *Actinometra nigra* P.H. Carpenter, "*Challenger*" *Reports*, **26**. Zoology, p. 304

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"* : 133 South Andamans: MGMNP (Alexandra Island)

1999. *Comatella nigra*: Sastry, D.R.K. *J. Andaman Sci. Assoc.* **15**(2): 18 North Andamans : Oyster-1 Island

2001. *Comatella nigra*: Sastry, D.R.K. *Rec. zool. Surv. India*, **99**: 159 South Andamans: Ritchie's Archipelago (Havelock)

**Material** : North Andamans : Oyster-1 Island; South Andamans : MGMNP (Pongibalu, Alexandra Island), Ritchie's Archipelago (Havelock).

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

1880. *Actinometra stelligera* P.H. Carpenter, *J. Linn. Soc. (Zool.)*, **15** : 198
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)
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 and Sir William Peel Islands)

**Material** : North Andamans : Interview Island, Oyster-1 Island; South Andamans : Ritchie's Archipelago (Havelock, Peel).

**15. *Comatula brevicirra* (Bell)**

1932. *Comatula brevicirra* : A. H. Clark, *Rec. Indian Mus.* **34**(4) : 553 Nicobars : St. 623. Kamorta Island, Coral Reef north east of Octavia Bay; St. 624. Nancowry Island, Coral Reef off Reed Point.
1983. *Comatula brevicirra* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.* **34** : 88 Nicobars.

**16. *Comatula micraster* A. H. Clark**

1909. *Comatula micraster* A. H. Clark, *Proc. Biol. Soc. Wash.* **22** : 143
1912. *Comatula micraster* : A. H. Clark, *Echinoderma of the Indian Museum*, Part VII : 81 Andamans: 110m (60 fms); South Andamans : West of South Andamans, 11° 49' 30" N, 92° 55' E, 101m (55 fms)
1983. *Comatula micraster*: James, D.B. *Bull. cent. mar. Fish. Res. Inst.* **34** : 88 West of South Andaman Island

**17. *Comatula pectinata* (Linnaeus)**

1758. *Asterias pectinata* Linnaeus, *Systema Naturae*, Ed. 10: 663
1932. *Comatula pectinata*: A. H. Clark, *Rec. Indian Mus.* **34**(4) : 552 Nicobars: 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)

### 18. *Oxycomanthus bennetti* (Müller)

1841. *Alecto bennetti* J. Müller, *Archiv fur Naturgesch*, **1841**, i, p. 146
1912. *Comanthus (Comanthus) bennetti* : A. H. Clark, *Echinoderma of the Indian Museum*, Part VII : 93 North Andamans : Table Island [27-64m (15-35 fms)]
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
2001. *Oxycomanthus bennetti* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 159 South Andamans: Ritchie's Archipelago (Sir William Peel Island)

*Material* : South Andamans: Ritchie's Archipelago (Sir William Peel Island)

### Family HIMEROMETRIDAE

### 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.* **34** : 88 Andamans

### 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 Andamans

### 21. *Heterometra bengalensis* (Hartlaub)

1890. *Antedon bengalensis* Hartlaub, *Nachr. Ges. Göttingen*, **Mai**, **1890** : 182
1912. *Heterometra bengalensis* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 130 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.* **34** : 88 Andamans

### 22. *Heterometra philiberti* (Müller)

1849. *Comatula philiberti* J. Müller, *Abhandl. d. k. preuss. Akad. d. Wiss.* **1847** : 259

1912. *Amphimetra philiberti* : A.H. Clark, *Echinoderma of the Indian Museum*, Part VII : 107, 316 Andamans; South Andamans : 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.* 34 : 88 South Andamans: Port Blair

**23. *Himerometra magnipinna* (A. H. Clark)**

1908. *Himerometra magnipinna* A.H. Clark, *Smithsonian Miscellaneous Collections.* 52(2) : 214
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 South Andamans : MGMNP (Pongibalu)

*Material* : South Andamans : MGMNP (Pongibalu).

**24. *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* : 134 South Andamans : MGMNP (Pongibalu); Little Andaman Island

*Material* : South Andamans : MGMNP (Pongibalu), Little Andaman Island.

**Family MARIAMETRIDAE**

**25. *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 South Andamans : Port Blair, Cinque Island
1983. *Dichrometra protectus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.* 34 : 88 Andamans

**26. *Lamprometra palmata* (J. Müller)**

1841. *Alecto palmata* J. Müller, *Archiv fur Naturgesch.* 1841, i : 144

*Material* : South Andamans : Ritchie's Archipelago (Havelock)

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).
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).

*Material* : North Andamans.: Oliver Island, Egg Island; South Andamans : Ritchie's Archipelago (Havelock).

### 27. *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, 51m (28 fms)
1983. *Selenometra aranea* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 88 Andamans

### Family STEPHANOMETRIDAE

### 28. *Stephanometra indica* (Smith)

1876. *Comatula indica* Smith, E. A. *Ann. Mag. nat. Hist.*, (4)**17** : 406
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)
2001. *Stephanometra indica*: Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 160 South Andamans: Ritchie's Archipelago (Havelock Island).

*Material* : South Andamans : Ritchie's Archipelago (Havelock).

### 29. *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.
1983. *Stephanometra monacantha* (sic!) : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 88 Andamans

### Family COLOBOMETRIDAE

### 30. *Colobometra discolor* (A. H. Clark)

1909. *Colobometra discolor* Clark, A. H. *Proc. U. S. nat. Mus.* **36** : 640

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 Id, 27-106 m (15-58 fms).

**31. *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.

**32. *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.* 34 : 88 Andamans.

**Family PONTIOMETRIDAE**

**33. *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.
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).

**Family ANTEDONIDAE**

**34. *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 South Andamans : Port Blair, 205m (112 fms).
1983. *Eumetra indica* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 88 Andamans, 777m.

**35. *Dorometra nana* (Hartlaub)**

1890. *Antedon nana* Hartlaub, *Nachr. Ges. Gottingen*, Mai, 1890 : 170.
1912. *Iridometra nana* : A. H. Clark, *Echinoderma of the Indian Museum*, Part VII : 231 Andaman Is. 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.* **34** : 88 Andamans, 76m.

### 36. *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 Id, 485m (265 fms)].

1983. *Psathyrometra inusitata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.* **34** : 88 South Andamans: South of Ross Island, 484m.

### 37. *Psathyrometra mira* A. H. Clark

1909. *Psathyrometra nana* A. H. Clark, *Proc. U. S. nat. Mus.*, **36** : 648

1912. *Psathyrometra mira* : A. H. Clark, *Echinoderma of the Indian Museum*, Part **VII** : 235 North Andamans: St. 116. Interview Island, 741m (405 fms); South Andamans: St. 115. Duncan Passage, 11° 31' 40" N 92° 46' 06" E, 344-402m (188-220 fms).

1912. *Psathyrometra mira* : A. H. Clark, *Rec. Indian Mus.* **VII**(3) : 270 South Andamans: 13 miles S by W from North Sentinel Id, 238-457m (130-250 fms); St. 13. 7 miles SE by S from Ross Id, 485m (265 fms).

1983. *Psathyrometra mira* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 88 Andamans, 741m.

### 38. *Sarametra nicobarica* A. H. Clark

1983. *Sarametra nicobarica* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 88 Nicobars : Off Nicobar Island.

## Family CALOMETRIDAE

### 39. *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, : St. 236a. Off North Andaman, 14° 08' N 93° 08' E, 302m (165 fms).

1983. *Neometra spinosissima* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 88 Andamans.

## Family THALASSOMETRIDAE

### 40. *Crotalometra eridanella* A. H. Clark

1983. *Crotalometra eridanella* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 88 Nicobars : Great Nicobar, 2049m.

**41. *Thalassometra peripolos* A. H. Clark**

1983. *Thalassometra peripolos* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 88 Nicobars : South of Nicobar, 1024m.

**42. *Thalassometra pergracilis* A. H. Clark**

1907. *Thalassometra pergracilis* A. H. Clark, *Smithsonian Miscellaneous Collections*, **50**(3) : 360
1912. *Thalassometra pergracilis* : A. H. Clark, *Echinoderma of the Indian Museum*, Part **VII** : 207 Middle Andamans : 30 miles West of Middle Andamans, 887m (485 fathoms).

**Family EUDIOMETRIDAE**

**43. *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 Andamans
1983. *Eudiocrinus minor* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 88 Andamans.

**44. *Eudiocrinus ornatus* A. H. Clark**

1909. *Eudiocrinus ornatus* A. H. Clark, *Proc. U. S. nat. Mus.*, **36** : 636
1912. *Eudiocrinus ornatus* : A. H. Clark, *Echinoderma of the Indian Museum*, Part **VII** : 99 North Andamans : Off North Andaman, 14° 04' 30" N 93° 51' E, 75m (41 fathoms); 8 miles W of Interview Id, 494-82m (270-45 fathoms).
1983. *Eudiocrinus ornatus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 88 Andamans.

**Family CHARITOMETRIDAE**

**45. *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 : Off South Andamans, 11° 46' 30" N 93° 16' 00" E, 1041m (569 fms).
1983. *Glyptometra invenusta* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 88 Andamans.

**46. *Permissometra occidentalis* A. H. Clark**

1983. *Permissometra occidentalis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.* **34** : 88 Nicobars : South of Nicobar, 1024m.

## Family PENTAMETROCRINIDAE

47. *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 : Sta. 331. East of South Andaman, 11° 46' 30" N 93° 16' E, 1041m (569 fms)]; 10-degree Channel (SE of Little Andaman and NE of Car Nicobar Islands) : Sta. 315. 10° 06' N 92° 29' E, 1289m 705 fms)
1912. *Pentametrocrinus varians* : A. H. Clark, *Rec. zool. Surv. India*, VII(3) : 271 North Andamans : Sta. 114. East of North Andaman, 13° 21' N 93° 27' E, 1686m (922 fms).

## Order BOURGUETICRINIDA

## Family PENTACRINITIDAE

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

1909. *Hypalocrinus springeri* : A. H. Clark, *Proc. U. S. nat. Mus.*, **36** : 650
1912. *Comastrocrinus springeri* : A. H. Clark, *Echinoderma of the Indian Museum*, Part VII : 254 South Andamans : 8 miles South of Cinque Island, 914m (500 fms).

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

1909. *Hypalocrinus ornatus* A. H. Clark, *Proc. U. S. nat. Mus.*, **36** : 651
1912. *Comastrocrinus ornatus* : A. H. Clark, *Echinoderma of the Indian Museum*, Part VII : 257 Andamans, 366m (200 fms).
1983. *Comastrocrinus ornatus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 88 Andamans.

## Family BOURGUETICRINIDAE

50. *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, 2800m (1520 fathoms).
1983. *Bathycrinus woodmasoni* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 88 Nicobars : West coast of Nicobar.

## Class ASTEROIDEA

## Order PAXILLOSIDA

## Family LUIDIIDAE

1. *Luidia (Luidia) integra* Koehler

1910. *Luidia integra* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 18 North Andamans : St. 238. 13° 16' N 93° 08' E, 110-137m (60-75 fms).

1989. *Luidia integra* : Clark, A.M. *Echinoderm Studies*, 3 : 243 Andamans, 110-137m.

2. *Luidia (Luidia) limbata* (Sladen)

1910. *Luidia limbata* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 10 Andamans; South Andamans : Little Andaman Island.

1983. *Luidia limbata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 89 Andamans, 12-51m.

*Remarks* : While considering Sladen's *L. limbata* as a synonym of *L. quinaria* Clark, A.M. (1989 : 245) did not include the above reports of Koehler and James from Andamans, under synonymy or distribution. It is possibly one of the other three species or missed by Clark.

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

1842. *Luidia maculata* Müller, J. and Troschel, F. H. *System der Asteriden*, 77

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.*, 34 : 89 Andaman Island.

1989. *Luidia maculata* : Clark, A.M. *Echinoderm Studies*, 3 : 243 [S Japan, Indonesia and N Australia W to E Africa and Red Sea.]

4. *Luidia (Luidia) savignyi* (Audouin)

1826. *Asterias savignyi* Audouin, J. V. *Description de l'Egypte, Histoire Naturelle.*, 1 : 208

1910. *Luidia savignyi* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 10 Andamans.

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.*, 34 : 89 Andaman Island

1989. *Luidia (Luidia) savignyi* : Clark, A.M. *Echinoderm Studies*, 3 : 247 [Egyptian Red Sea, S to Natal, South Africa, Mauritius, Sri Lanka, Andaman Is, Philippine Is. and (?) Marshall Is, intertidal- c. 50m.]

## Family ASTROPECTINIDAE

5. *Astropecten euryacanthus* Lütken

1805. *Asterias petalodea* Retzius, A. J. *Dussertatio sistens species cognitae Asteriarum* : 17
- 1872a. *Astropecten euryacanthus* Lütken, C. F. *Vidensk. Meddr dansk naturh. Foren.*, 1871 : 231
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 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.]

6. *Astropecten greigi* Koehler, 1910

1909. *Astropecten greigi* Koehler, R. *Echinoderma of the Indian Museum*, Part V : 26
1983. *Astropecten greigi* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 89 Andamans, 237-744m.
1989. *Astropecten greigi* : Clark, A.M. *Echinoderm Studies*, 3 : 258 [Malabar Coast (Kerala), South India, Lakshadweep Sea, Andaman Is, 236-850m.]

7. *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 Andamans, 27m (15 fms).
1971. *Astropecten monacanthus* : Clark, A.M. and Rowe, F. W. E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 30-31 (distribution) and 46 (key).
1983. *Astropectem monacanthus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 89 Andamans.
1989. *Astropectem monacanthus* : Clark, A.M. *Echinoderm Studies*, 3 : 263 [Philippine Is, Arabian Gulf and East Africa.]

*Material* : **Andamans** : Andamans, J. Wood-Mason, 1 spec.

8. *Astropecten polyacanthus* Müller and Troschel

1842. *Astropecten polyacanthus* Müller, J. and Troschel, F. H. *System der Asteriden*, 69
1910. *Astropecten polyacanthus* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 41 Andamans, 27-64m (15-35 fms).

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.*, **34** : 89 Andamans, 0-91m
1989. *Astropecten polyacanthus polyacanthus*: Clark, A.M. *Echinoderm Studies*, **3** : 266 [Indo-West Pacific].

**Material** : Andamans : Andamans, J. Wood-Mason, 1 spec.; Nicobars : Great Nicobar.

### 9. *Astropecten tamilicus* Döderlein

1888. *Astropecten tamilicus* Döderlein, L. *Zool. Jb.*, **3** : 829
1910. *Astropecten tamilicus* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 41 Andamans.
1989. *Astropecten tamilicus* : Clark, A.M. *Echinoderm Studies*, **3** : 270 [Sri Lanka area, Andaman Is and Timor, Indonesia, 6-15m].
1983. *Astropecten tamilicus*: James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89 Andamans, 45m.

**Remarks** : The species is a synonym of *A. hemprichi* M & T (James, personal communication).

### 10. *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 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 Andamans.
1989. *Astropecten vappa vappa* : Clark, A.M. *Echinoderm Studies*, **3** : 271 [SW Australia, round northern Australia to southern Queensland, also Sri Lanka and South China Sea].

### *Astropecten* sp.

1893. *Astropecten* sp. Alcock. A. *Ann. Mag. nat. Hist.* (6)XI : 87 Andaman Sea, 457m (250 fms).

**Remarks** : Current status of the material needs to be ascertained.

### 11. *Craspidaster hesperus* (Müller and Troschel)

1840. *Archaster hesperus* Müller, J. and Troschel, F. H. *Mber. preuss. Akad. Wiss.*, 1840 : 104
1840. *Archaster hesperus* Müller, J. and Troschel, F. H. *Archiv. Naturgesch.*, 6 : 323
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.*, 34 : 89 South Andamans : Port Blair, 20m.
1989. *Craspidaster hesperus hesperus* : Clark, A.M. *Echinoderm Studies*, 3 : 274 [S Japan, South China Sea, Philippine Is, Indonesia.]
1989. *Craspidaster hesperus glauconotus* : Clark, A.M. *Echinoderm Studies*, 3 : 274 [Singapore, Bay of Bengal.]

*Material* : South Andamans : Off Shoal Bay, G. Ramakrishna, 1 spec.

### 12. *Dipsacaster pentagonalis* Alcock

1893. *Dipsacaster pentagonalis* Alcock, A. J. *Asiat. Soc. Bengal*, 62(2) : 172 Andaman Sea.
1983. *Dipsacaster pentagonalis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 89 Andamans, 21m.
1989. *Dipsacaster pentagonalis* : Clark, A.M. *Echinoderm Studies*, 3 : 276 [Andaman Sea, 200m].

### 13. *Dipsacaster sladeni* Alcock

1893. *Dipsacaster sladeni* Alcock. A. *Ann. Mag. nat. Hist.* (6)XI : 87 Andaman Sea, 457m (250 fms).
1983. *Dipsacaster sladeni* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 89 Andamans, 457m.
1989. *Dipsacaster sladeni sladeni* : Clark, A.M. *Echinoderm Studies*, 3 : 277 [Andaman Sea, 460m].

### 14. *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, St. 117. 3197m (1748 fms); St. 118. 3297m (1803 fms); Bay of Bengal, 3519m (1924 fms).
1893. *Dytaster exilis* : Alcock. A. *Ann. Mag. nat. Hist.*, (6)XI : 80 Andaman Sea, Bay of Bengal, several times between 3197m (1748 fms) and 3519m (1924 fms).

1951. *Dytaster exilis* : Madsen, F. J. *Rep. Sweedish deep-sea Exped. II* (Zoology) no., 6 : 88

1989. *Dytaster insignis* : Clark, A.M. *Echinoderm Studies*, 3 : 278 [*Dytaster exilis* Sladen; also Alcock, 1893, a synonym of *Dytaster insignis* (Perrier) according to Downey (1973. *Smithsonian Contributions to Zoology*, No., 126 : 1-158). [SE Gulf of Mexico, West Indies, Azores, Gulf of Guinea, vicinity of Tristan da Cunha and Chile, 2515-4090m].

**Remarks** : 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. is very far away even from the Exclusive Economic Zone. 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.

### 15. *Persephonaster coelochiles* Alcock

1893. *Persephonaster coelochiles* Alcock, A. *Ann. Mag. nat. Hist.*, (6)XI : 84 Andaman Sea, 421-457m (230-250 fms).

1989. *Persephonaster coelochiles* : Clark, A.M. *Echinoderm Studies*, 3 : 284 [Andaman Sea, 421-457m].

### 16. *Persephonaster gracilis* (Sladen)

1889. *Psilaster gracilis* Sladen, W. P. *Rep. scient. Results. Voy. Challenger Zool.*, 30 : 230

1891. *Dytaster anacanthus* Wood-Mason and Alcock, *Ann. Mag. nat. Hist.*, (6)VII : 429 St. 117. Bay of Bengal, 11° 58' N 88° 52' 17" E, 3197m (1748 fms).

1893. *Dytaster anacanthus* Alcock. A. *Ann. Mag. nat. Hist.*, (6)XI : Bay of Bengal, 3197m (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 [Japan, Bay of Bengal, 3190-3430m].

**Remarks** : 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.

### 17. *Psilaster agassizi* (Koehler)

1909. *Phidiaster agassizi* Koehler, R. *Echinoderma of the Indian Museum*, Part V : 29 St. 306. Off Nicobar Islands, 9° 20' N 95° 24' E, 1701m (930 fms), 1 spec (ZEV 1764/7).

1989. *Psilaster agassizi* : A.M. Clark, *Echinoderm Studies*, 3 : [Bay of Bengal, Nicobar area, 1623-1700m].

**Remarks** : As per station list of *Investigator* St. 306. is Lakshadweep Sea, between Minicoy and Thiruvananthapuram, 9° 20' N 75° 24' E, 1701m (930 fms). But, Koehler

gives the location of Station 306 as 9° 20' N 95° 24' E, 1701m (930 fms), which is Off Nicobar islands 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.

### Family PORCELLANASTERIDAE

#### 18. *Abyssaster tara* (Wood-Mason and Alcock)

1891. *Hyphalaster tara* Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)VII : 434 St. 117. Bay of Bengal, 11° 58' N 88° 52' 17" E, 3197m (1748 fms)
1893. *Hyphalaster tara* : Alcock, A. *Ann. Mag. nat. Hist.* (6)XI : 86 Bay of Bengal, 3197m (1748 fms) and 3652m (1997 fms).
1961. *Abyssaster tara* : Madsen, F. J. 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, 3195-6280m].

**Remarks** : 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.

#### 19. *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.*, 30 : 138 Bay of Bengal.
1891. *Porcellanaster caulifer* : Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)VII : Andamans.
1909. *Porcellanaster caulifer* : Koehler, R. *Echinoderma of the Indian Museum*, Part V : 33 St. 111. West of North and Middle Andamans, 12° 50' N 90° 52' E, 3007m (1644 fms).
1989. *Porcellanaster ceruleus* : Clark, A.M. *Echinoderm Studies*, 3 : 300 [part]
2001. *Porcellanaster caulifer* : Clark, A.M. and Mah, C. *Echinoderm Studies*, 6 : 341

**Remarks** : Recently Belyaev, G. M. and Mironov, A. N. (1996) revived the species from the synonymy of *P. ceruleus*.

#### 20. *Porcellanaster ceruleus* Wyville Thomson

1877. *Porcellanaster coeruleus* Wyville Thomson, *Voy. Chall. Atlantic*, I : 378
1891. *Porcellanaster coeruleus* : Wood-Mason and Alcock, *Ann. Mag. nat. Hist.* (6)VII : 433 St. 113. Off Middle Andamans, 12° 59' N 93° 23' 10" E, 1249m (683 fms).

1891. *Porcellanaster* sp. prox. *coeruleus* : Wood-Mason and Alcock, *Ann. Mag. nat. Hist.*, (6) VII : 434 St. 111. Off Middle Andamans, 12° 50' N 90° 52' E, 3043m (1664 fms); St. 117. West of South Andamans, 11° 58' N 88° 52' 17" E, 3197m (1748 fms) [The location is far west of Andamans, but might fall within the Exclusive Economic Zone of the area].
1893. *Porcellanaster coeruleus* : Alcock. A. *Ann. Mag. nat. Hist.*, (6)XI : 86 Andaman Sea, 1249m (683 fms).
1989. *Porcellanaster ceruleus* : Clark, A.M. *Echinoderm Studies*, 3 : 300 [part, please see under the previous species, *P. caulifer*].

## 21. *Sidonaster vaneyi* Koehler

1909. *Sidonaster vaneyi* Koehler, R. *Echinoderma of the Indian Museum*, Part V : 37
1909. *Sidonaster batheri* Koehler, R. *Echinoderma of the Indian Museum*, Part V : 40 St. 254. East of South Andamans, 11° 16' 30" N 92° 58' E, 1223m (669 fms); St. 306. East of Nicobars, 9° 20' N 95° 24' E, 1701m (930 fms).
1983. *Sidonaster batheri* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 89 Andaman Sea, 1224-2516m.
1989. *Sidonaster vaneyi* : Clark, A.M. *Echinoderm Studies*, 3 : 302 [Gulf of Oman, off East Africa to the Philippines, 1150-2130m].

## 22. *Styracaster caroli* Ludwig

1907. *Styracaster caroli* Ludwig, H. *Zool. Anz.*, XXXI : 315 (East of Zanzibar, 1959m).
1891. *Styracaster horridus* : Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)VII : 434 St. 117. Bay of Bengal, 11° 58' N 88° 52' 17" E, 3197m (1748 fms) [non : Sladen, W. P. 1883 : 229.]
1893. *Styracaster horridus* : Alcock. A. *Ann. Mag. nat. Hist.*, (6)XI : 86 Bay of Bengal, 3197m (1748 fms) and 3297m (1803 fms).
1909. *Styracaster caroli*: Koehler, R. *Echinoderma of the Indian Museum*, Part V : 43 St. 117. 11° 58' N 88° 52' 17" E, 3197m (1748 fms).
1989. *Styracaster caroli* : Clark, A.M. *Echinoderm Studies*, 3 : 302 [Off Zanzibar, E Africa, E to Bay of Bengal, 2600-4820m].

*Remarks* : 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.

## 23. *Styracaster clavipes* Wood-Mason and Alcock

1891. *Styracaster clavipes* Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)VII : 434 St. 117. Bay of Bengal, 11° 58' N 88° 52' 17" E, 3197m (1748 fms).

1893. *Styracaster clavipes*: Alcock. A. Ann. Mag. nat. Hist., (6)XI : 86 Bay of Bengal, 3197m (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, 3200m].

*Remarks* : 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.

## Order NOTOMYOTIDA

### Family BENTHOPECTINIDAE

#### 24. *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 St. 111. West of North Andamans, 12° 50' N 90° 52' E, 3043m (1664 fms).

1893. *Pararchaster semisquamatus* : Alcock. A. Ann. Mag. nat. Hist., (6)XI : 75 St. 111. West of North Andamans, West of North Andamans, 12° 50' N 90° 52' E, 3043m (1664 fms).

1951. *Benthopecten semisquamatus* : Madsen, F. J. Rep. Sweedish deep-sea Exped. II (Zoology) no., 6 : 87.

1989. *Benthopecten semisquamatus* : Clark, A.M. Echinoderm Studies, 3 : 310 [Japan, 1030-3430m.]

*Remarks* : Though Madsen (*op. cit.*) confirmed, Clark, (*op. cit.*) does not refer to the report of occurrence the species in Andaman waters.

#### 25. *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 St. 255. Nicobars : West of Car Nicobar, 9° 26' 30" N 91° 56' 30" E, 1589-1670m (869-913 fms).

1989. *Cheiraster (Cheiraster) snyderi* : A.M. Clark, Echinoderm Studies, 3 : 314 [Hawaiian Islands, Nicobar Is, 420-1670m].

## Order VALVATIDA

### Family CHAETASTERIDAE

#### 26. *Chaetaster vestitus* Koehler

1910. *Chaetaster vestitus* Koehler, R. Echinoderma of the Indian Museum, Part VI : 136 Andaman Id.

1894. *Chaetaster moorei* Bell, F. J. *Proc. zool. Soc. Lond.*, 1894 : 404 as per Rowe and Gates, 1995 : 56 in A.M. Clark and C. Mah (An Index of names of recent Asteroidea- Part 4: Forcipulatida and Brisingida) *Echinoderm Studies* : 334
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, 22-73m.]
1993. *Chaetaster vestitus* : Clark, A.M. *Echinoderm Studies*, 4 : 190 [Andaman Is, Bay of Bengal.]

***Chaetaster* sp.**

1893. *Chaetaster* sp. Alcock. A. *Ann. Mag. nat. Hist.*, (6) XI : 101 Andaman Sea, 435-530m (238-290 fms).

**Family ASTERINIDAE**

**27. *Anseropoda pellucida* (Alcock)**

1893. *Palmipes pellucidus* Alcock. A. *Ann. Mag. nat. Hist.* (6)XI : 100 Andaman Sea, 205m (112 fms).
1983. *Palmipes pellucidus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 89 Andaman Island, 204m.
1993. *Anseropoda pellucida* : Clark, A.M. *Echinoderm Studies*, 4 : 206 [Andaman Sea, c. 200m.]

**28. *Asterina burtoni* Gray**

1840. *Asterina burtoni* Gray, J. E. *Ann. Mag. nat. Hist.*, 6(37) : 289

**Remarks** : Till recently, *Asterina cepheus*, the next species, 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 : 130 in Clark and Mah, 2001 : 335). But Dr. D.B. James in a recent personal communication opines that *A. cepheus* is a synonym of *A. burtoni*. Hence, the material needs to be reexamined for separation of the two species. For the present records under both the names are given under the next species, *A. cepheus*.

**29. *Asterina cepheus* (Müller and Troschel)**

1842. *Asteriscus cepheus* Müller, J. and Troschel, F. H. *System der Asteriden*, p. 41
1910. *Asterina cephea* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 128 Nicobar Is.
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).

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 Andaman : Port Blair.
1993. *Asterina burtoni cepheus* : Clark, A.M. *Echinoderm Studies*, **4** : 208 [Java, Indonesia to South China Sea, Wake Id, northern Australia].
1999. *Asteropsis burtoni* (lapsus) : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 18 North Andamans : Tree and Channel Islands.

*Material* : North Andamans : Tree and Channel Islands; South Andamans : Port Blair; Little Andaman.

### 30. *Asterina sarasini* (de Loriol)

1897. *Palmipes sarasini* Loriol, P. de *Mem. Soc. Phys. Hist. nat. Geneve*, **32**(2) : 11 (part).
1910. *Palmipes sarasini* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 127 Andamans; Nicobars.
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 Andaman: Port Blair, intertidal.
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).
2001. *Asterina sarasini* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 161 South Andamans : Ritchie's Archipelago (Neil Island; RJMNP\*-Outram Island).

*Material* : Middle Andamans : Mayabunder; South Andamans : Port Blair, MGMNP (Pongibalu), Rutland Island, Ritchie's Archipelago (Neil Island, RJMNP-Outram Island); Nicobars : Car Nicobar.

### 31. *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.

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\* Rani Jhansi Marine National Park

1993. *Disasterina spinosa* : Clark, A.M. *Echinoderm Studies*, 4 : 219 [Andaman Is, Bay of Bengal].

### 32. *Disasterina spinulifera* Clark, H. L.

1938. *Disasterina spinulifera* Clark, H. L. *Mem. Mus. comp. Zool. Harv.*, 55 : 156

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 Das, Sumita. *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].

### 33. *Paranepanthia brachiata* (Koehler)

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

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, 38-200m].

### 34. *Patiriella pseudoexigua* Dartnall

1910. *Asterina exigua*: Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 129 Andaman Is.; Nicobar Is. [non: *Asterias exigua* Lamarck, J. B. P. A. de *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, *Proc. Linn. Soc. N. S. W.*, 96 : 43

1978. *Patiriella exigua* : Julka, J. M. and Das, Sumita. *Mitt. Zool. Mus. Berlin*, 54(2) : 349 Middle Andamans: Mayabunder; South Andamans: Port Blair, Chatham, Rangachang, Chidyatapu,

1983. *Asterina exigua* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 89 South Andaman : Port Blair.

1993. *Patiriella pseudoexigua pseudoexigua*: Clark, A.M. *Echinoderm Studies*, 4 : 226 [*Patiriella exigua* [tropical records] = *Patiriella pseudoexigua* Dartnall; *Aseriscus pentagonus* Müller & Troschel 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. [Queensland, Solomon Is to Caroline and Ryu Kyu Is, S Japan].

**Material** : Andamans, J. Wood-Mason, 1 spec.; South Andamans : Port Blair, Ross Island, Chidyatapu, Little Andaman.

### 35. *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.
1993. *Tegulaster ceylanica* : Clark, A.M. *Echinoderm Studies*, **4** : 228 [Sri Lanka; Lakshadweep].

### 36. *Tegulaster emburyi* Livingstone

1933. *Tegulaster emburyi* Livingstone, *Rec. Austr. Mus.*, **19** : 12
1971. *Tegulaster emburyi* : Clark, A.M. and Rowe, F. W. E. *Monograph of shallow-water Indo-West Pacific echinoderms*; 38-39 (distribution), 67 (key).
1993. *Tegulaster emburyi* : Clark, A.M. *Echinoderm Studies*, **4** : 228 [Queensland].

*Material* : Nicobars : Katchal

## Family ARCHASTERIDAE

### 37. *Archaster angulatus* Müller, J. and Troschel, F. H.

1842. *Archaster angulatus* Müller, J. and Troschel, F. H. *System der Asteriden*, 66
1910. *Archaster typicus* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 9 Andamans [part, Pl. I figs 1 & 2 only, according to Sukarno and Jangoux, 1977].
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 to Mozambique, 0-90m].

### 38. *Archaster typicus* Müller and Troschel

1840. *Archaster typicus* Müller, J. and Troschel, F. H. *Arch. Naturgesch.* **6** : 323
1910. *Archaster typicus* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 9 Andaman Is. [part, the specimen from Andamans might belong to *Archaster angulatus* Mueller and Troschel, according to Sukarno and Jangoux, 1977].
1969. *Archaster typicus* : James, *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 52 Middle Andamans : Mayabunder; South Andamans : Port Blair, 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 South Andamans : Port Blair [Andamans; 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.
1993. *Archaster typicus* : Clark, A.M. *Echinoderm Studies*, **4** : 240 [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 Island).

**Material** : North Andamans : Ross Island; South Andamans : Port Blair, Chatham Island; Nicobars : Kamorta, Nancowry

## Family GONIASTERIDAE

### 39. *Anthenoides sarissa* Alcock

1893. *Anthenoides sarissa* Alcock. *A. Ann. Mag. nat. Hist.*, (6)**XI** : 99 Andaman Sea, 238-457m (130-250 fms).
1983. *Anthenoides sarissa* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89 Andaman Island, 237-457m.
1993. *Anthenoides sarissa*: Clark, A.M. *Echinoderm Studies*, **4** : 242 [Andaman Is, 230-456m].

### 40. *Astroceramis fisheri* Koehler

1909. *Astroceramis fisheri* Koehler, R. *Echinoderma of the Indian Museum*, Part **V** : 79 St. 248. SW of Cape Comorin, 8° 37' N 75° 37' 30" E, 410-519m (224-284 fms)
1983. *Astroceramis fisheri* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89 Andaman Sea, 409-519m.
1993. *Astroceramis fisheri*: Clark, A.M. *Echinoderm Studies*, **4** : 243 [S India, East Indies, 409-519m].

**Remarks** : Koehler (1909) reported the species from Station 248 of the R. I. M. S. *Investigator* 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.

#### 41. *Calliaster mamillifer* Alcock

1893. *Calliaster mamillifer* Alcock, A. J. Asiat. Soc. Bengal, **62**(2) : 172 Andaman Sea.
1983. *Calliaster mamillifer* : James, D.B. Bull. cent. mar. Fish. Res. Inst. No., **34** : 89 Andaman Island, 448-493m
1993. *Calliaster mamillifer* : Clark, A.M. Echinoderm Studies, **4** : 246 [Andaman Sea, Bay of Bengal, 448-494m].

#### 42. *Ceramaster mortenseni* (Koehler)

1909. *Pentagonaster (Philonaster) mortenseni* Koehler, R. Echinoderma of the Indian Museum, Part V : 74 St. 310. Off Middle Andamans, 13° 29' 30" N 95° 29' E, 1756m (960 fms).
1993. *Ceramaster mortenseni* : Clark, A.M. Echinoderm Studies, **4** : 249 [Bay of Bengal, off Myanmar, 1755m].

#### 43. *Lithosoma pentaphylla* (Alcock)

1893. *Dorigona pentaphylla* Alcock. A. Ann. Mag. nat. Hist., (6)XI : 93 Andaman Sea, 496m (271 fms).
1909. *Iconaster pentaphyllus* : Koehler, R. Echinoderma of the Indian Museum, Part V : 64 Andaman Sea, 496m (271 fms) [only the single Type specimen].
1983. *Iconaster pentaphyllus* : James, D.B. Bull. cent. mar. Fish. Res. Inst. No., 34: 89 Andaman Island, 495m.
1993. *Lithosoma pentaphylla* : Clark, A.M. Echinoderm Studies, **4** : 260 [Andaman Sea, 495m; variety *brevipes* from Timor, Indonesia, 520m].

#### 44. *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, 496m (271 fms)
1983. *Pentagonaster arcuatus* : James, D.B. Bull. cent. mar. Fish. Res. Inst. No., 34: 89 Andaman Island, 495m.
1993. *Mediaster arcuatus* : Clark, A.M. Echinoderm Studies, **4** : 162 [Japan, 630-1023m].

Remarks : A.M. Clark (1993) did not mention the report of Alcock (1893) under *Mediaster* (p. 262) or *Pentagonaster* (p. 269).

#### 45. *Milteliphastrer woodmasoni* Alcock

1893. *Milteliphastrer woodmasoni* Alcock. A. Ann. Mag. nat. Hist., (6)XI : 91 Andaman Sea 421-530m (230-290 fms).

1983. *Milteliphaster* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89 Andaman Island.

1993. *Milteliphaster woodmasoni*: Clark, A.M. *Echinoderm Studies*, **4** : 264 [Andaman Sea, Maldives area, 229-530m].

#### 46. *Nymphaster moebii* (Koehler)

1884. *Pentagonaster (Dorigona) moebii* Studer, T. *Phys. Abh. Akad. wiss. Berl.* **1883, 1884** (3) : 35

1893. *Nymphaster protentus* : Alcock. A. *Ann. Mag. nat. Hist.* (6)**XI** : 95 Andaman Sea, 402-457m (220-250 fms) [non : Sladen, W. P. *Challenger Asteroidea*, p. 303].

1909. *Dorigona ternalis* : Koehler, R. *Echinoderma of the Indian Museum*, Part **V** : 54 St. 330. Off North Andamans, 12° 49' 30" N 96° 24' 30" E, 1267m (693 fms) [non: Perrier, **1894** : 335].

1909. *Dorigona belli* Koehler, R. *Echinoderma of the Indian Museum*, Part **V** : 58 Andaman Is. 457m (250 fms).

1983. *Dorigona belli* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.* **34**: 89 Andaman Island, 457m.

1993. *Nymphaster moebii* : Clark, A.M. *Echinoderm Studies*, **4** : 266 [Zanzibar area to northern Australia, 360-2390m].

#### 47. *Nymphaster nora* Alcock

1893. *Nymphaster nora* Alcock. A. *Ann. Mag. nat. Hist.*, (6)**XI** : 96 Andaman Sea, 896m (490 fms).

1983. *Dorigona nora* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89 Andaman Island, 896m.

1993. *Nymphaster nora* : Clark, A.M. *Echinoderm Studies*, **4** : 266 [Andaman Sea, 880m].

#### 48. *Ogmaster capella* (Müller and Troschel)

1842. *Goniodiscus capella* Müller, J. and Troschel, F. H. *System der Asteriden*, 62

1910. *Ogmaster capella*: Koehler, R. *Echinoderma of the Indian Museum*, Part **VI** : 79 St. 239. Off South Andamans, 11° 49' 30" N 92° 55' E, 101m (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 - 143m].

*Material* : Andamans : Andaman Sea, 101m (55 fms), Mar. Surv., 1 spec.

#### 49. *Pentagonaster* sp.

1891. *Pentagonaster* sp. prox. *ctenipes* Sladen : Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)8 : 436 St. 117. Bay of Bengal, 11° 58' N 88° 52' 17" E, 3197m (1748 fms) [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].

#### *Pentagonaster* sp.

1891. *Pentagonaster* sp. Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)8 : 436 St. 117. Bay of Bengal, 11° 58' N 88° 52' 17" E, 3197m (1748 fms) [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].

#### 50. *Pseudarchaster mozaicus* Wood-Mason and Alcock

1891. *Pseudarchaster mozaicus* Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)VII : 432 St. 115. Off South Andamans, 11° 31' 40" N 92° 46' 06" E, 344-402m (188-220 fms).
1893. *Pseudarchaster mozaicus* : Alcock, A. *Ann. Mag. nat. Hist.* (6)XI : 85 Andaman Sea, 344-402m (188-220 fms).
1909. *Astrogonium mozaicum* : Koehler, R. *Echinoderma of the Indian Museum*, Part V : 50 Andamans, about 914m (about 500 fms).
1993. *Pseudarchaster mozaicus* : Clark, A.M. *Echinoderm Studies*, 4 : 280 [off SE India and Bay of Bengal to Zanzibar, 342-1800m].

#### 51. *Rosaster confinis* (Koehler)

1910. *Dorigona confinis* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 57 St. 238. Off North Andamans, 13° 16' N 93° 08' E, 123m (67 fms).
1993. *Rosaster confinis confinis* : Clark, A.M. *Echinoderm Studies*, 4 : 283 [Andaman Sea, 120m].

#### 52. *Rosaster florifer* (Alcock)

1893. *Nymphaster florifer* Alcock, A. *Ann. Mag. nat. Hist.*, (6)XI : 94 Andaman Sea, 238-457m (130-250 fms).
1983. *Mediaster florifer* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 89 Andaman Island, 522m.
1993. *Rosaster florifer* : Clark, A.M. *Echinoderm Studies*, 4 : 283 [Andaman Sea, 236-456m].

#### 53. *Stellaster childreni* Gray

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 St. 239. Off South Andamans, 11° 49' 30" N 92° 55' E, 101m (55 fms).
1910. *Stellaster incei* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 80 St. 224. Off North Andamans, 14° 54' 30" N 96° 13' E, 101m (55 fms); St. 235. Off North Andamans, 14° 38' 15" N 96° 24' 30" E, 97m (53 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).
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 '*Asreias 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' 12<sup>th</sup> 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).
1998. *Stellaster equestris* : Sastry, D.R.K. *State Fauna Series 3: Fauna of West Bengal*, : 474 West Bengal : Digha.

*Material* : Andamans : Andaman Sea, 101m (55 fms), Mar. Surv., 1 spec.

## Family OREASTERIDAE

### 54. *Anthenea pentagonula* (Lamarck)

1816. *Asterias pentagonula* Lamarck, J. B. P. A. de *Hist. nat. anim. s. vert.*, 2 : 554
1910. *Anthenea* sp. juv. Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 91 Andaman Is.
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.

1983. *Anthenea pentagonula* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89 Andaman Island, intertidal.
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, 30-50m].
1993. *Anthenea rudis* : Clark, A.M. *Echinoderm Studies*, **4** : 297 [Mergui Archipelago, Myanmar, Sri Lanka, Arabian Gulf].

### 55. *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, northern Australia, Red Sea, East Africa, 5-40m].
1999. *Choriaster granulatus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.* **15**(2) : 18 North Andamans : Sound Island.

*Material* : North Andamans : Sound Island, D.R.K. Sastry, one spec.; one spec., no locality, (definitely from Andamans/Nicobars).

### 56. *Culcita novaeguineae* Müller and Troschel

1842. *Culcita novaeguineae* Müller, J. and Troschel, F. H. *System der Asteriden*, 38
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 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.* **34** : 89 Andaman Island, 0-15m.
1991. *Culcita novaeguineae*: Sastry, D.R.K. *State Fauna Series 2 : Fauna of Lakshadweep* : 366 Lakshadweep (Agatti).

1993. *Culcita novaeguineae* : Clark, A.M. *Echinoderm Studies*, 4 : 299 [New Guinea, West Pacific, Andaman Is].
1999. *Culcita novaeguineae* : Sastry, D.R.K. *J. Andaman Sci. Assoc.* 15(2) : 18 North Andamans : Ray Hill (SE corner of North Andaman Island).
2001. *Culcita novaeguineae* : Sastry, D.R.K. *Rec. zool. Surv. India*, 99 : 160 South Andamans : Ritchie's Archipelago (Havelock).

**Material** : South Andamans : Port Blair, G. H. Booley, 1 spec.; Nicobars : Kamorta, Katchal.

### 57. *Culcita schmideliana* Retzius

1805. *Asterias schmideliana* Retzius, A. J. *Dissertatio sistens species cognitae Asteriarum*, : 11
1840. *Culcita schmideliana* : Gray, J. E. *Ann. Mag. nat. Hist.*, 6(37) : 276
1910. *Culcita schmideliana* : Koehler, R. *Echinodermata 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(1) : Andamans.
1983. *Culcita schmideliana* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 89 Andaman Island, 0-15m.
1991. *Culcita schmideliana* : James, D.B. *J. Andaman Sci. Assoc.*, 7(2) : 19 South Andamans : MGMNP (Chester Island).
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.

**Material** : North Andamans : East Island; South Andamans : Port Blair (Atlanta Point), Dr. D.B. James, 1 spec.; Nicobars : Kamorta

57a. *Pentaceraster gracilis* (Lütken) 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.

57b. *Pentaceraster westermanni* (Lütken) 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.

**58. *Poraster superb* (Möbius)**

1859. *Oreaster superb* Möbius, K. *Abh. Geb. Naturv. Hamburg*, **4**(2) : 5
1971. *Poraster superb* : Clark, A.M. and Rowe, F. W. E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 34-35 (distribution) and 54 (key).
1993. *Poraster superb* : Clark, A.M. *Echinoderm Studies*, **4** : 317 [Sumatra, Indonesia, New Caledonia W to Sri Lanka, 25-55m].

*Material* : South Andamans : Atlanta Point, Port Blair, Dr. D.B. James, 1 spec.

**59. *Protoreaster lincki* (de Blainville)**

1830. *Asterias lincki* Blainville, H. M. de *Dictionnaire des Sciences Naturelles*, **60** : 238
1865. *Oreaster reinhardti* Lütken, C. *Vidensk. Meddr dansk. naturh. Foren.*, **1864** : 159 Nicobar Is.
1910. *Pentaceros reinhardti* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 101 [Type specimen from Nicobar Id.].
1969. *Protoreaster lincki* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 52 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 (Changappa Bay).
1983. *Protoreaster lincki* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89 Nicobars.
1993. *Protoreaster lincki* : Clark, A.M. *Echinoderm Studies*, **4** : 317 [Mozambique to NW Australia].
1999. *Protoreaster lincki* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(1) : 91 Nicobars: Great Nicobar.

**60. *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, 1-30m].

**1999.** *Protoreaster nodosus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.* **15**(1) : 91 Nicobars : Great Nicobar.

### Family ASTEROPSEIDAE

#### 61. *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).

**1999.** *Asteropsis carinifera* : Sastry, D.R.K. *J. Andaman Sci. Assoc.* **15**(2) : 18 North Andamans : Channel Island.

**1993.** *Asteropsis carinifera* : Clark, A.M. *Echinoderm Studies*, **4** : 320 [tropical Indo-West and East Pacific].

*Material* : Nicobars : Great Nicobar.

#### 62. *Valvaster striatus* (Lamarck)

**1816.** *Asterias striata* Lamarck, J. B. P. A. de *Hist. nat. anim. s. vertebres*, **2** : 564

**1910.** *Valvaster striatus* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 175 Andaman Is.

**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 Mauritius, Andaman Is, Philippine Is, Polynesia and Hawaiian Is. [p. 319 : The transfer of *Valvaster* to this family by Blake (1980) means that the name Valvasteridae Viguier, 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.]

**1999.** *Valvaster striatus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.* **15**(2) : 18 North Andamans : Ray Hill (SE corner of North Andaman Island).

### Family ACANTHASTERIDAE

#### 63. *Acanthaster planci* (Linnaeus)

**1758.** *Asterias planci* Linnaeus, C. *Systema Naturae*, Ed., **X** : 823 West coast

1969. *Acanthaster planci* : James, D.B. *Bull. cent. mar. Fish. Res. Inst*, No., **7** : 54 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).
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.
1991. *Acanthaster planci* : James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 19 South Andamans : MGMNP (Alexandra, Twin, Grub, Chester and Redskin Is.).
1993. *Acanthaster planci*: Clark, A.M. *Echinoderm Studies*, **4** : 323 [Goa, W India, entire coral reef area of Indo-West Pacific, also East Pacific from Galapagos Is to Gulf of California if *ellis* is synonymous].

*Material* : South Andamans : Ritchie's Archipelago (Neil)

#### Family OPHIDIASTERIDAE

#### 64. *Dactylosaster cylindricus cylindricus* (Lamarck)

1816. *Asterias cylindricus* Lamarck, J. B. P. A. de *Hist. nat. anim. s. vert.*, **2** : 567
1971. *Dactylosaster cylindricus* : Clark, A.M. and Rowe, F. W. E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 34-35 (distribution), 59 (key).
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]
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 : Channel Island.
2001. *Dactylosaster cylindricus* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 157 and 166 South Andamans : Ritchie's Archipelago (RJMNP- Outram Island).

*Material* : North Andamans : Channel Island; South Andamans : Ritchie's Archipelago (RJMNP- Outram Island); Nicobars : Great Nicobar.

#### 65. *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 Island.
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 Is].

#### 66. *Fromia indica* (Perrier)

1869. *Scytaster indica* Perrier, E. *Recherches sur les Pedicellaires et les Ambulacres des Asteries et des Oursins*, : 63 [also *Ann. Sc. nat. Zool.* (5)**12** : 255]
1887. *Fromia tumida* : Bell, F. J. *Proc. zool. Soc. Lond.*, **1887** : 124 Andamans
1909. *Fromia andamanensis* Koehler, R. *Echinoderma of the Indian Museum*, Part V : 105 Andaman Is. 435-530m (238-290 fms).
1967. *Fromia indica* : Clark, A.M. *Bull. Br. Mus. nat. Hist. (Zool.)*, **15**(4) : 188 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
1993. *Fromia indica* : Clark, A.M. *Echinoderm Studies*, **4** : 331 ['Mers des Indes', Bay of Bengal, Indonesia, S Japan, Fiji and New Caledonia, 305m].
1998. *Fromia indica*: Sastry, D.R.K. *Symp. Proc. Island Ecosystem and Sustainable Development*: 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).

**Material** : South Andamans : MGMNP (Pongibalu), Ritchie's Archipelago (RJMNP- Henry Lawrence Island), Button Is.

#### 67. *Fromia milleporella* (Lamarck)

1816. *Asterias milleporella* Lamarck, J. B. P. A. de *Histoire naturelle des animaux sans vertebres*, **2** : 564
1971. *Fromia milleporella* : Clark, A.M. and Rowe, F. W. E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 34-35 (distribution) and 63 (key),

1993. *Fromia milleporella* : Clark, A.M. *Echinoderm Studies*, 4 : 332 [tropical Indo-West Pacific except Hawaiian Is].

*Material* : Andamans : Andamans, 1 spec.

#### 68. *Fromia monilis* Perrier

1869. *Scytaster monilis* Perrier, E. *Recherches sur les pedicellaires et les ambulacres des asteries et des oursins* : 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* : Julka, J. M. and Das, Sumita. *Mitt. Zool. Mus. Berlin*, 54(2) : 347 North Andamans : Curlew Island.
1993. *Fromia monilis* : Clark, A.M. *Echinoderm Studies*, 4 : 332 [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. ghadaqana* from colour figure, 1-35m].
1998. *Fromia monilis* : Sastry, D.R.K. *Symp. Proc. Island Ecosystem and Sustainable Development* : 135 South Andamans : MGMNP (Pongibalu).

*Material* South Andamans : MGMNP (Pongibalu).

#### 69. *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 Andaman Islands 37m (20 fms) [doubtfully referred to her new subspecies *egeriae* by A.M. Clark, 1967b].
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, 36m.
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, 15-50m].

#### 70. *Heteronardoa carinata* (Koehler)

1910. *Nardoa carinata* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 165 Andamans, 18-97m (10-53 fms).
1983. *Nardoa carinata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.* 34 : 89 Andaman Island, 18-96m.

1993. *Heteronardoa carinata* : Clark, A.M. *Echinoderm Studies*, 4 : 334 [Gulf of Aden, Maldives, Bay of Bengal, W Australia, Philippine Is, Indonesia and New Caledonia, 34-230m].

### 71. *Leiaster glaber* (Peters)

1852. *Ophidiaster (Leiaster) glaber* Peters, W. *Ber. kon. preuss. Akad. Wissensch. Berlin*, 1852 : 177
1906. *Leiaster callipeplus* Fisher, W. K. *The starfishes of the Hawaiian Islands*, Part 3 : 1083
1910. *Leiaster callipeplus* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 153 South Andamans : Cinque Island, 20-46m (11-25 fms) [according to Jangoux, 1980].
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 [Mozambique; Hawaii].
1983. *Leiaster callipeplus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 89 Andaman Island, 206m.
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].

### 72. *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
1910. *Linckia ehrenbergi* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 154 Andaman Is. 27-64m (15-35 fms).
1910. *Linckia pacifica* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 154 Andaman Is.
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.
1993. *Linckia guildingi* : Clark, A.M. *Echinoderm Studies*, 4 : 338 ['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.

*Material* : North Andamans : Table (Excelsior) Island, West Island; South Andamans : Port Blair (Atlanta Point), Dr. D.B. James, 1 spec. MGMNP (Pongibalu); Nicobars : Great Nicobar.

### 73. *Linckia laevigata* (Linnaeus)

1758. *Asterias laevigata* Linnaeus, C. *Systema Naturae*, Ed. X : 662
1910. *Linckia miliaris* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 154 Andaman Is.
1969. *Linckia laevigata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 53 South Andamans : Port Blair.
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 Island)
1983. *Linckia laevigata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 89 South Andamans : Port Blair.
1991. *Linckia laevigata* : James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 19 South Andamans: MGMNP (Twin and Malay Islands).
1993. *Linckia laevigata* : Clark, A.M. *Echinoderm Studies*, **4** : 338 [tropical Indo-West Pacific except Red Sea and Hawaiian Is, 0-25m].
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-1 and Curlew (B.P.) Islands; Ray Hill (SE corner of North Andaman Island); 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).

*Material* : North Andamans : Table (Delgarno), Table (Excelsior), Trilby, Tree, Landfall, Point, East, West, Orchid, Oliver, Oyster-1 and Curlew (B.P.) Islands; Ray Hill (SE corner of North Andaman Island); Middle Andamans: Mayabunder; South Andamans : MGMNP (Twin and Malay Islands), Ritchie's Archipelago (Havelock Island; RJMNP- Outram Island), Port Blair (Atlanta Point); Nicobars : Great Nicobar.

### 74. *Linckia multifora* (Lamarck)

1816. *Asterias multifora* Lamarck, J. B. P. A. de *Hist. nat. anim. s. vert.*, **2** : 565
1969. *Linckia multifora* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.* **7** : 53 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.
- 1993.** *Linckia multifora* : Clark, A.M. *Echinoderm Studies*, **4** : 339 [tropical Indo-West Pacific, 0-40m].
- 1997.** *Linckia multifora* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **13**(1&2) : 50 South Andamans: MGMNP (Pongibalu).

**Material** : South Andamans : MGMNP (Pongibalu); Nicobars : Car Nicobar, Kamorta, Great Nicobar.

#### **75. *Nardoa frianti* Koehler**

- 1910.** *Nardoa frianti* Koehler, R. *Echinoderma of the Indian Museum*, Part **VI** : 158 Andamans, 37m (20 fms).
- 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 Andaman Island, 36m
- 1993.** *Nardoa frianti*: Clark, A.M. *Echinoderm Studies*, **4** : 341 [Andaman Is to Parcel Is, S China Sea, Philippines, Caroline Is and New Caledonia, 3-45m].

#### **76. *Nardoa galathea* (Lütken)**

- 1865.** *Scytaster galathea* Lütken, C. *Vidensk. Meddr dansk. naturh. Foren.*, **1864** : 167
- 1887.** *Scytaster novaecaledoniae*: Bell, F. J. *Proc. zool. Soc. Lond.*, **1887** : Andamans.
- 1993.** *Nardoa galathea*: Clark, A.M. *Echinoderm Studies*, **4** : 341 Nicobar Is, ?Moluccas.

**Remark** : Clark and Rowe (1971: 36-37) mentioned the report of this species from Bay of Bengal by Lütken (1872). It is to be verified whether the material is from Nicobars.

#### **77. *Nardoa lemonnieri lemonnieri* Koehler**

- 1910.** *Nardoa lemonnieri* Koehler, R. *Echinoderma of the Indian Museum*, Part **VI** : 161 Andaman Is.
- 1967.** *Nardoa (Andora) lemonnieri* : A.M. Clark, *Bull. Br. Mus. nat. Hist.*, (Zool.) **15** : 183 Andamans.
- 1978.** *Nardoa lemonnieri* : Julka, J. M. and Das, Sumita. *Mitt. Zool. Mus. Berlin*, **54** (2) : 347 South Andamans : Little Andaman.

1993. *Nardoa lemonnieri lemonnieri* : Clark, A.M. *Echinoderm Studies*, 4 : 342 Andaman and Philippine Is, ?Maldives. Thought to be a synonym of *Nardoa mollis* de Lorient by H. L. Clark (1921), a valid species by A.M. Clark (1967b), a synonym of *N. galathea* (Lutken,) by Jangoux in Guille & Jangoux (1978) but again valid by Jangoux & Aziz (1984).

*Remarks* : A.M. Clark and C. Mah (2001 : 339) stated '*Nardoa lemonnieri* is a synonym of *Nardoa galathea* (Lutken) according to Rowe in Rowe & Gates, (1995 : 88). Because of the differing opinions, the species is considered valid for the present.

#### 78. *Neoferdina offreti* (Koehler)

1910. *Ferdina offreti* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 143 (part) South Andamans : Little Andaman Island, 18m (10 fms) [the one from Sri Lanka is *Paraferdina sohariae* Marsh and Price (1991), *Bull. Br. Mus. nat. Hist. (Zool.)* 15 (4) : 189].
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, 18-62m.
1993. *Neoferdina offreti* : Clark, A.M. *Echinoderm Studies*, 4 : 345 Andaman Is, W to Seychelles, E to Caroline Is and New Caledonia, 0-62m.

#### 79. *Ophidiaster armatus* Koehler

1910. *Ophidiaster armatus* Koehler, R. *Abh. Senckenb. naturforsch. Ges.*, 33 : 277
1910. *Ophidiaster armatus* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 148
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, 31m
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, 5-33m].

#### 80. *Ophidiaster hemprichi* Müller and Troschel

1842. *Ophidiaster hemprichi* Müller, J. and Troschel, F. H. *System der Asteriden*, 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 Is.].

**81. *Tamaria dubiosa* (Koehler)**

1910. *Linckia dubiosa* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 155 Andaman Is.
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.* 34 : 89 Andaman Id.
1993. *Tamaria dubiosa* : Clark, A.M. *Echinoderm Studies*, 4 : 353 Andaman Is and Philippines, 129-685m.

**82. *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 Andaman Island
1993. *Tamaria fusca* : Clark, A.M. *Echinoderm Studies*, 4 : 353 [Philippine Is, Queensland and New Caledonia, 25-45m].

**83. *Tamaria hirsuta* (Koehler)**

1910. *Ophidiaster hirsutus* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 149 South Andamans : Cinque Islands, 20-46m (11-25 fms).
1993. *Tamaria hirsuta* : Clark, A.M. *Echinoderm Studies*, 4 : 353 [Andaman Is and NW Australia].

**84. *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.
1910. *Ophidiaster tuberifer*: Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 148 Andaman Is. 97m (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 Island.
1983. *Tamaria tubifer* (sic!) : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, No. 34 : 89 Andaman Island, 96m.
1993. *Tamaria megaloplax* : Clark, A.M. *Echinoderm Studies*, 4 : 354 Queensland, NW Australia and Andaman and Nicobar Is, 15-95m.

## Order VELATIDA

## Family PTERASTERIDAE

85. *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 Island [non: *Retaster insignis* Sladen].
1983. *Euretaster cribrosus*: James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, No. **34** : 90 (Andamans/ Nicobars) 10m.
1996. *Euretaster cribrosus* : Clark, A.M. *Echinoderm Studies*, **5** : 199 [Zanzibar to Philippine Is, 10-46m].

86. *Hymenaster alcocki* Koehler

1909. *Hymenaster alcocki* Koehler, R. *Echinoderma of the Indian Museum*, Part **V** : 110 St. 372. Off North Andamans, 13° 54' 15" N 94° 02' 15" E, 1176m (643 fms).
1996. *Hymenaster alcocki* : Clark, A.M. *Echinoderm Studies*, **5** : 200 Andaman Sea, off Zanzibar, 1175-1790m.

87. *Hymenaster nobilis* Wyville Thompson

1876. *Hymenaster nobilis* Wyville Thomson, *J. Linn. Soc. Lond.*, **XIII** : 73
1891. *Hymenaster nobilis* : Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.* (6) **VII** : 437 St. 117. Bay of Bengal, 11° 58' N 88° 52' 17" E, 3197m (1748 fms) [The locality is far away from Andamans, but may fall within the Exclusive Economic Zone of the region].
1893. *Hymenaster nobilis* : Alcock. A. *Ann. Mag. nat. Hist.* (6) **XI** : 112 Bay of Bengal, 3199m (1749 fms).
1996. *Hymenaster nobilis* : Clark, A.M. *Echinoderm Studies*, **5** : 203 [S from Australia (c. 50° S, 123° E), Bay of Bengal, 3200-3300m] [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].

## Order SPINULOSIDA

## Family ECHINASTERIDAE

88. *Cribrella praestans* Sladen

1889. *Cribrella praestans* Sladen, W. P. *Rep. Challenger Zool.*, **XXX** : 515

1893. *Cribrella praestans* : Alcock, A. *Ann. Mag. nat. Hist.*, (6)XI : 112 Andaman Sea, 439m (240 fms) to 878m (480 fms) [probably *Cribrella mutans* Koehler, R. 1909. *Echinoderma of the Indian Museum*, Part V : 112 i.e. *Henricia mutans* according to Koehler, R., 1909 : 115].

### **89. *Dictyaster xenophilus* Wood-Mason and Alcock**

1891. *Dictyaster xenophilus* Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)VII : 438 St. 115. Off South Andamans, 11° 31' 40" N 92° 46' 06" E, 344-402m (188-220 fms); frequently found in the Andaman Sea at about 457m (250 fms).
1893. *Dictyaster xenophilus* : Alcock, A. *Ann. Mag. nat. Hist.* (6)XI : 113 Andaman Sea, 311m (170 fms) to 530m (290 fms).
1996. *Dictyaster xenophilus* : Clark, A.M. *Echinoderm Studies*, 5 : 222 Andaman Sea, 311-5320m.

### **90. *Echinaster (Echinaster) callosus* von Marenzeller**

1895. *Echinaster callosus* von Marenzeller, E. *Denkschr. Akad. Wiss. Wien.* 62 : 531
1910. *Echinaster callosus* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 174 South Andamans: Cinque Id.
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 Sri Lanka, Andaman Is, Philippines, Indonesia, Solomon and Caroline Is, shallow -62m.

### **91. *Echinaster (Echinaster) luzonicus* (Gray)**

1840. *Othilia luzonica* Gray, J. E. *Ann. Mag. nat. Hist.*, 6(37) : 282
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).
1979. *Echinaster luzonicus* : Soota, T. D. and Sastry, D.R.K. *Rec. zool. Surv. India*, 74 : 345 North Andamans : St. 222. Off North Andaman, 13° 27' N 93° 14' 30" E, 741m (405 fms as per Station List); Nicobars : Kamorta Island.
1996. *Echinaster (Echinaster) luzonicus* : Clark, A.M. *Echinoderm Studies*, 5 : 224 [Range : Philippines, Parcel (Xisha) Is, Caroline Is and N Australia; Gulf of Kachchh (W India), Maldives and Bay of Bengal according to Soota and Sastry (1979), 0-45m].

**Material** : North Andamans : St. 222. Off North Andaman, 13° 27' N 93° 14' 30" E, 741m (405 fms), Mar. Surv., 1 spec.; 21.12.1896, 1 spec.; Nicobars : Kamorta Island,

Dr. K. Reddiah, 9.10.1972, 9 specs [Other localities: Horseburgh Atoll, Maldives, Mar. Surv., 22.10.1923, 1 spec.].

## 92. *Echinaster (Echinaster) purpureus* (Gray)

1840. *Othilia purpurea* Gray, J. E. *Ann. Mag. nat. Hist.*, 6(37) : 282

1971. *Echinaster purpureus* : Clark, A.M. and Rowe, F. W. E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 40-41 (distribution), 73 (key).

1983. *Echinaster purpureus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 90 Nicobar, 5m.

1996. *Echinaster (Echinaster) purpureus* : Clark, A.M. *Echinoderm Studies*, 5 : 225 [Range: Indian Ocean, 0-10m].

## 93. *Henricia mutans* (Koehler)

1909. *Cribrella mutans* Koehler, R. *Echinoderma of the Indian Museum*, Part V : 112 Andaman Is. 878m (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 : Andaman area, 880m.

## Family METRODIRIDAE

## 94. *Metrodora subulata* Gray

1840. *Metrodora subulata* Gray, J. E. *Ann. Mag. nat. Hist.*, (1)6 : 282

1910. *Metrodora subulata* : Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 172 Andaman Is.

1971. *Metrodora subulata* : Clark, A.M. and Rowe, F. W. E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 39-39 (distribution), and 57 (key).

1978. *Metrodora subulata* : Julka, J. M. and Das, Sumita. *Mitt. Zool. Mus. Berlin*, 54(2) : 349 Nicobars: Kamorta Island.

1983. *Metrodora subulata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 89 Andaman Island.

1996. *Metrodora subulata* : Clark, A.M. *Echinoderm Studies*, 5 : 243 Philippines, Sri Lanka and Bay of Bengal to East Indies and North Australia, shallow-c. 90m.

*Material* : Nicobars : Kamorta Island, Mar. Surv., 1 spec.

*Remarks* : Clark (1996) treated Metrodiridae, a synonym of Echinasteridae, but Clark and Mah (2001: 340) restored as a separate valid family based on Liao and Clark [1995 (1996): 134] who also extended the range from the Philippines and elsewhere to vicinity of Hainan Island and Taiwan Strait.

Order FORCIPULATIDA

Family ZOROASTERIDAE

95. *Zoroaster adami* Koehler

1909. *Zoroaster adami* Koehler, R. *Echinoderma of the Indian Museum*, Part V : 108 St. 331. Off South Andamans, 11° 46' 30" N 93° 16' E, 1041m (569 fms).  
2001. *Zoroaster adami* : Clark, A.M. and Mah, C. *Echinoderm Studies*, 6 : 233 Andaman Sea, 1040m.

96. *Zoroaster carinatus* Alcock

1893. *Zoroaster carinatus* Alcock. A. *Ann. Mag. nat. Hist.*, (6)XI : 107 Andaman Sea, 238-457m (130-250 fms).  
1983. *Zoroaster carinatus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No. 34* : 90 Andaman Island, 237-437m.  
2001. *Zoroaster carinatus* : Clark, A.M. and Mah, C. *Echinoderm Studies*, 6 : 233 Andaman Sea, off Reunion I., S China Sea, Borneo, 180-1120m.

97. *Zoroaster gilesi* Alcock

1893. *Zoroaster gilesii* Alcock. A. *Ann. Mag. nat. Hist.*, (6)XI : 108 Andaman Sea, 896-914m (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, 900m.

Family PEDICELLASTERIDAE

98. *Pedicellaster atratus* Alcock

1893. *Pedicellaster atratus* Alcock. A. *Ann. Mag. nat. Hist.*, (6)XI : 114 Andaman Sea, 439-402m (240-220 fms); Bay of Bengal, 530m (290 fms).  
2001. *Pedicellaster atratus* : Clark, A.M. and Mah, C. *Echinoderm Studies*, 6 : 239 Andaman Sea, Bay of Bengal, 400-530m.

Family ASTERIIDAE

99. *Sclerasterias mazophora* (Wood-Mason and Alcock)

1891. *Asterias mazophorus* Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)VII : 436 St. 115. Off South Andamans, 11° 31' 40" N 92° 46' 06" E, 344-402m (188-220 fms).  
1893. *Asterias mazophorus* : Alcock. A. *Ann. Mag. nat. Hist.*, (6)XI : 115 Off South Andamans, 219-457m (120-250 fms).

1983. *Asterias mazophores* (sic!) : James, D.B. *Bull. cent. mar. Fish. Res. Inst.* **34** : 90 Andaman Island, 457m.

2001. *Sclerasterias mazophora* : Clark, A.M. and Mah, C. *Echinoderm Studies*, **6** : 298 Probably with synonym *S. nitida* Koehler, 1910. [Bay of Bengal, Gulf of Aden, also probably the Philippines and Hawaiian Is, 220-550m].

#### 100. *Sclerasterias nitida* Koehler

1910. *Sclerasterias nitida* Koehler, R. *Echinoderma of the Indian Museum*, Part VI : 176 St. 220. Off Middle Andamans, 13° 16' 30" N 93° 08' E, 144m (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].

### Order BRISINGIDA

#### Family BRISINGIDAE

#### 101. *Brisinga andamanica* Wood-Mason, J. and Alcock, A.

1891. *Brisinga andamanica* Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)VII : 439 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 Andaman Sea, 741m (405 fms) [Off South Andamans from St. 116. mentioned above].

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.

#### 102. *Brisinga bengalensis* Wood-Mason and Alcock

1891. *Brisinga bengalensis* Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)VII : 439 St. 112. West of North Andamans, 13° 47' 30" N 92° 36' E, 1026m (561 fms)

1893. *Brisinga bengalensis* : Alcock. A. *Ann. Mag. nat. Hist.*, (6)XI : 119 Bay of Bengal, 1026m (561 fms) [West of North Andamans from St. 112. mentioned above.]

2001. *Brisinga bengalensis* : Clark, A.M. and Mah, C. *Echinoderm Studies*, **6** : 313 Bay of Bengal, 1122m.

#### 103. *Stegnobrisinga gracilis* (Koehler)

1909. *Brisinga gracilis* Koehler, R. *Echinoderma of the Indian Museum*, Part V : 115 St. 310. Off North Andamans, 13° 29' 30" N 92° 25' E, 1756m (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, 1920m.

### Family FREYELLIDAE

#### 104. *Freyella indica* Koehler

1909. *Freyella indica* Koehler, R. *Echinoderma of the Indian Museum*, Part V : 126 St. 251. Off South Andamans, 10° 36' 30" N 93° 40' 15" E, 2917-2966m (1595-1622 fms).
2001. *Freyella indica*: Clark, A.M. and Mah, C. *Echinoderm Studies*, 6 : 321 Bay of Bengal, 2552-2592m. 3190-3244? (in Koehler).

### 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 Andaman Island, 316m (173 fms); South Andamans: North Sentinel Island, 457m (250 fms).
1898. *Ophiomyxa brevispina* Martens new var. *irregularis* Koehler, R. *Bull. scient. Fr. Belg.*, 31 : 111 Andaman Islands, 66m (36 fms).
1899. *Ophiomyxa bengalensis* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 69 Andaman Islands, 316m (173 fms); South Andamans : North Sentinel Island, 457m (250 fms).
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).
1983. *Ophiomyxa bengalensis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 91 Andaman Islands, 316-457m.
1983. *Ophiomyxa brevispina* var. *irregularis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.* 34 : 91 Andaman Island, 51-65m.
1983. *Ophiomyxa australis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.* 34 : 91 Middle Andamans.

#### 2. *Ophiophrixus confinis* Koehler

1922. *Ophiophrixus confinis* Koehler, R. *Bull. U. S. natn. Mus.* 100(5) : 30
1981. *Ophiophrixus confinis* : Sastry, D.R.K. *Curr. Sci.*, 50(12) : 554 Andamans : Off the west coast of Andamans, 402-439m (220-240 fms) [probabbly South Andamans : St. 56. Between North and South Sentinel Islands].

*Material* : South Andamans : Off the west coast of Andamans, 402-439m (220-240 fms) [probabbly St. 56. Between North and South Sentinel Islands], Mar. Surv., 1 spec.

#### Family EURYALIDAE

### 3. *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, 161m (88 fms).

*Material* : Andamans [Other Material : Mergui Archipelago, 113m and 119m].

*Remarks* : Based on the inner ventral arm spine longer than the outer, as restricted by Fell (1960), the species is referred to *Asteromorpha*.

#### Family GORGONOCEPHALIDAE

### 4. *Astrocladus exiguus* (Lamarck)

1816. *Euryale exiguum* Lamarck, *Hist. nat. anim. s. vert.* **2** : 539

1897. *Gorgonocephalus cornutus* Koehler, R. *Ann. Sci. nat. Zool.* (8)IV : 368 North Andamans : 8 miles West of Interview Island, 494-82m (270-45 fms).

1899. *Gorgonocephalus cornutus* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 73 North Andamans : 8 miles West of Interview Island, 494-82m (270-45 fms).

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

1983. *Gorgonocephalus cornutus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90 Andaman Island, 74-493 fms.

#### Family ASTEROSCHEMATIDAE

### 5. *Asteroschema fastosum* Koehler

1930. *Asteroschema fastosum* : Döderlein, L. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia" 1898-1899*, **22**(3) : 390 Nicobars : West of Nicobars, 7° 49' N 93° 08' E, 805m.

### 6. *Asteroschema subfastosum* Döderlein

1930. *Asteroschema subfastosum* : Döderlein, L. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia" 1898-1899*, **22**(3) : 391 Nicobars: West of Nicobars, 6° 53' N 93° 33' E, 752m.

**7. *Ophiocreas sibogae* (Döderlein)**

1930. *Asteroschema (Ophiocreas) sibogae* : Döderlein, L. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia" 1898-1899*, **22**(3) : 391 Nicobars : West of Nicobars, 6° 53' N 93° 33' E, 752m; 7° 49' N 93° 08' E, 805m [To *Ophiocreas* by Baker, A. N. 1980].

**8. *Ophiocreas* sp. Koehler, R.**

1897. *Ophiocreas* nov. sp.? Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 365 West of Middle Andamans, 12° 50' N 90° 52' E, 3007m (1644 fms).
1899. *Ophiocreas* sp. Koehler, R. *Echinoderma of the Indian Museum*, Part I : 70 West of Middle Andamans, 12° 50' N 90° 52' E, 3007m (1644 fms).
1983. *Ophiocreas* sp. James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90 Andaman Island, 3008m.

Order OPHIURIDA

Family OPHIURIDAE

Subfamily OPHIOLEPIDINAE

**9. *Ophioelegans cincta* (Müller and Troschel)**

1842. *Ophiolepis cincta* Müller, J. and Troschel, F. H. *System der Asteriden*, p. 90
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).
1983. *Ophiolepis cincta* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 91 South Andamans : Port Blair.
1987. *Ophioelegans cincta* : James, D.B. *J. mar. biol. Ass. India*, **23** : 15 (1981) South Andamans : Port Blair.
1998. *Ophioelegans cincta* : Sastry, D.R.K. *Symp. Proc. Island Ecosystem and Sustainable Development*, : 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 (Aerial Bay), 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).

**Material** : North Andamans : Port Cornwallis, Diglipur (Aerial Bay), Ross Island, Egg Island; Middle Andamans : Mayabunder, Long Island, Strait Island, Bakri Tikri (1 km from Long Island); South Andamans : Port Blair, Kaudiaghat, Rangachang, Labyrinth Islands (MGMNP- Alexandra Island), Ritchie's Archipelago (Neil); Nicobars : Car Nicobar.

### 10. *Ophiolepis superba* Clark, H. L.

1842. *Ophiolepis annulosa* Müller, J. and Troschel, F. H. *System der Asteriden*, 89
1887. *Ophiolepis annulosa* : Bell, F. J. *Proc. zool. Soc. Lond.*, **1887** : 140 Andamans.
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).
1983. *Ophiolepis superba* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 91 South Andamans : Port Blair.
1987. *Ophiolepis superba* : James, D.B. *J. mar. biol. Ass.*, **23**(1 & 2) : 15 (1981) South Andamans: Port Blair; Middle Andamans: Mayabunder.
2001. *Ophiolepis superba* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 164 South Andamans : Ritchie's Archipelago (RJMNP- Henry Lawrence Island).

*Material* : South Andamans : Port Blair, Ritchie's Archipelago (RJMNP- Henry Lawrence Island).

### 11. *Ophiolypus granulatus* Koehler

1897. *Ophiolypus granulatus* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 315 South Andamans : Port Blair, 205m (112 fms).
1899. *Ophiolypus granulatus* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 31 South Andamans : Port Blair, 205m (112 fms).
1983. *Ophiolypus granulatus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 91 South Andamans : Port Blair, 204m.

### 12. *Ophiomusium elegans* Koehler

1897. *Ophiomusium elegans* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 305 Andamans, 896m (490 fms).
1899. *Ophiomusium elegans* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 23 South Andamans : 7½ miles East of North Cinque Island, 896m (490 fms); North Sentinel Island, 457m (250 fms)
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, 752m.
1983. *Ophiomusium elegans* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 91 Andamans.

### 13. *Ophiomusium relictum* Koehler

1904. *Ophiomusium relictum* Koehler, R. *Siboga Exped. Monog.* **45a**
1927. *Ophiomusa relictum* : Hertz, M. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia" 1898-1899*, **22**(3) : 105 Nicobars: St. 211. West of Nicobars, 7° 48' N 93° 07' E, 805m.

1983. *Ophiomusa relict*a : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 91 Nicobar, 1417m.

#### 14. *Ophiomusium scalare* Lyman

1878. *Ophiomusium scalare* Lyman, T. *Bull. Mus. comp. Zool. Harv.*, **V**(7) : 117

1897. *Ophiomusium scalare* : Koehler, R. *Ann. Sci. nat. Zool.*, (8)**IV** : 308 South Andamans : Port Blair, 205m (112 fms).

1899. *Ophiomusium scalare* : Koehler, R. *Echinoderma of the Indian Museum*, Part **I** : 26 South Andamans : Port Blair, 205m (112 fms).

1983. *Ophiomusium scalare*: James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : **91b** : Port Blair, 204m.

*Material* : St. 237. Off North Andamans, 13° 17' N 93° 07' E, 165m (90 fms).

#### 15. *Ophiomusium simplex* Lyman

1878. *Ophiomusium simplex* Lyman, T. *Bull. Mus. comp. Zool. Harv.*, **V**(7) : 115

1987. *Ophiomusium simplex* : Sastry, D.R.K. *Bull. zool. Surv. India*, **8**(1-3) : 217 North Andamans : St. 238. Off North Andaman, 13° 16' N 93° 08' E, 137-110m (75-60 fms).

*Material* : North Andamans : St. 238. Off North Andaman, 13° 16' N 93° 08' E, 137-110m (75-60 fms), Mar. Surv., 13.4.1898, 2 specs.

#### 16. *Ophioplocus imbricatus* (Mueller and Troschel)

1842. *Ophioplocus imbricata* Mueller, J. and Troschel, F. H. *System der Asteriden*, 93

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)

1983. *Ophioplocus imbricatus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 91 South Andamans : Port Blair.

*Material* : Middle Andamans : Rangat; South Andamans : Little Andaman; Nicobars : Kamorta, Nancowry, Trinket, Great Nicobar.

#### 17. *Ophiosphalma elegans* Koehler

1897. *Ophiomusium elegans* Koehler, R. *Ann. Sci. nat. Zool.*, (8) **IV** : 305 South Andamans : 7 ½ miles east of North Cinque Island, 896m (490 fms)

1899. *Ophiomusium elegans* : Koehler, R. *Echinoderma of the Indian Museum*, Part **I** : 23 South Andamans, : North Sentinel Id., 457m (250 fms).

1927. *Ophiomusium elegans* : Hertz, M. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia" 1898-1899*, **22**(3) : Nicobars.

### 18. *Ophioeichus nodosa* (Duncan)

1983. *Ophioeichus nodosa* (Duncan) : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 91 South Andamans : Port Blair.

### 19. *Ophiozonella bispinosa* (Koehler)

1897. *Ophiozona bispinosa* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 319 South Andamans : Port Blair, 205m (112 fms).
1899. *Ophiozona bispinosa*: Koehler, R. *Echinoderma of the Indian Museum*, Part I : 34 South Andamans : Port Blair, 205m (112 fms).
1983. *Ophiozona bispinosa* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 91 South Andamans : Port Blair, 204m.

### 20. *Ophiozonella molesta* (Koehler)

1904. *Ophiozona molesta*: Koehler, R. *Siboga Exped. Monogr.*, **45a** : 22
1922. *Ophiozonella molesta*: Koehler, R. *Bull. U. S. natn. Mus.*, **100**(5) :
- Material* Andamans.

## Subfamily OPHIOLEUCINAE

### 21. *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 South Andamans : 7 ½ miles east of North Cinque Island, 896m (490 fms); Middle Andamans : 93° 23' 10" E 12° 59' N, 1249m (683 fms).
1899. *Ophiernus adpersus* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 32 South Andamans : 7 ½ miles east of North Cinque Island, 896m (490 fms); Middle Andamans : 93° 23' 10" E 12° 59' N, 1249m (683 fms).
1983. *Ophiernus adpersus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 91 Andamans, 766-3654.

*Material* : Andamans and Nicobar Islands : 10-Degree Channel

### 22. *Ophiostriatus bispinosus* (Koehler)

1897. *Ophiopyren bispinosus* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 312 South Andamans : South Sentinel Island, 439-457m (240-250 fms).
1899. *Ophiopyren bispinosus* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 29 South Andamans : North Sentinel Island, 457m (250 fms); South Sentinel Island, 439m (240 fms).

1983. *Ophiopyren bispinosus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 91 Andamans, 470m.

1983. *Ophiostriatus bispinosus* : Madsen, F. J. *Steenstrupia*, **9**(2) : 66 [Andamans, New Zealand].

### Subfamily OPHIURINAE

#### 23. *Amphiophiura ornata* (Lyman)

1927. *Amphiophiura ornata*: Hertz, M. *Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia" 1898-1899*, **22**(3) : 77 Nicobars: St. 210. West of Nicobars, 6° 53' N 93° 33' E, 752m.

1983. *Amphiophiura ornata*: James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 91 Nicobar, 752m.

#### 24. *Amphiophiura sculptilis* (Lyman)

1878. *Ophioglypha sculptilis* Lyman, T. *Bull. Mus. comp. Zool. Harv.*, **V**(7) : 84

1897. *Ophioglypha sculptilis* : Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 301 West of Middle Andamans, 90° 52' E 12° 50' N, 3007m (1644 fms).

1899. *Ophioglypha sculptilis* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 20 West of Middle Andamans, 90° 52' E 12° 50' N, 3007m (1644 fms).

1986. *Amphiophiura sculptilis* : Guille and Vadon, *Indo-Malayyan Zoology*, **3** : 169

#### 25. *Amphiophiura sordida* (Koehler)

1897. *Ophioglypha sordida* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 292 West of North Andamans, 92° 36' E 13° 37' 30" N, 1026m (561 fms).

1899. *Ophioglypha sordida* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 13 West of North Andamans, 92° 36' E 13° 37' 30" N, 1026m (561 fms)

1922. *Amphiophiura sordida* : Koehler, R. *Bull. U. S. natn. Mus.*, **100**(5) : 364

1983. *Ophioglypha sordida* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 91 Andaman Island, 36-64m.

*Material* : St. 254. Off South Andamans, 11° 16' 30" 92° 58' E, 1223m (669 fms).

#### 26. *Amphiophiura (Dictenophiura) stellata* (Studer)

1882. *Ophioglypha stellata* Studer, Th. *Abh. Konigl. Akad. Wiss. Berlin*,

1898. *Ophioglypha stellata* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 60 Andamans, 37-64m (20-35 fms).

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).

*Material* : Andamans.

### 27. *Homalophiura inflata* (Koehler)

1897. *Ophioglypha inflata* Koehler, R. *Ann. Sci. nat. Zool.*, (8) IV: 288

1922. *Homalophiura inflata* : Koehler, *Bull. U. S. nat. Mus.* p. 386

*Material* : Andamans.

### 28. *Ophiura aequalis* (Lyman)

1878. *Ophioglypha aequalis* Lyman, T. *Bull. Mus. comp. Zool. Harv.*, V(7) : 72 16

1899. *Ophioglypha aequalis* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 16 South Andamans : 7 ½ miles east of North Cinque Island, 896m (490 fms).

1983. *Ophioglypha aequalis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 91 Andaman Island, 940-2196m.

1986. *Ophiura aequalis* : Guille and Vadon, *Indo-Malayyan Zoology*, 3 : 169

### 29. *Ophiura flagellata* (Lyman)

1878. *Ophioglypha flagellata* Lyman, T. *Bull. Mus. comp. Zool. Harv.*, V(7) : 69

1897. *Ophioglypha flagellata*: Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 299 South Andamans : 7 ½ miles east of North Cinque Island, 896m (490 fms); Off South Andamans, 92° 47' 06" E 12° 25' 05" N, 905m (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, 896m (490 fms); Off South Andamans, 92° 47' 06" E 12° 25' 05" N, 905m (495 fms).

1983. *Ophioglypha flagellata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 91 Andaman Island, 741-1235m.

1986. *Ophiura flagellata* : Guille and Vadon, *Indo-Malayyan Zoology*, 3 : 183

### 30. *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 Andamans, 27m (15 fms).

1983. *Ophioglypha forbesi* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 91 Andaman Island, 27m.

### 31. *Ophiura kinbergi* (Ljungman)

1867. *Ophioglypha kinbergi* Ljungman, A. *Ofvers. K. Vetensk. Akad. Forh.*, 1866 : 166

1898. *Ophioglypha sinensis* : Koehler, R. *Bull. scient. Fr. Belg.*, 31 : 60 Andamans, 37m (20 fms).

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).
1983. *Ophioglypha sinensis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 91 Andaman Island, 18-65m
1983. *Ophiura kinbergi* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 91 South Andamans : Port Blair, 20m.

*Material* : Andamans.

### Family OPHIOCOMIDAE

#### 32. *Ophiarthrum elegans* Peters

1851. *Ophiarthrum elegans* Peters, W. *Ber. K. Press. Akad. Wiss.*, **1851** : 463
1898. *Ophiarthrum elegans* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 109 North Andamans : Table Id., 27-64m (15-35 fms).
1969. *Ophiarthrum elegans* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **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).
1983. *Ophiarthrum elegans* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90 South Andamans : Port Blair.
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 (SE corner of North Andaman Island), Interview Island; Middle Andamans : Mayabunder.

*Material* : North Andamans : Ray Hill, Interview Island; Middle Andamans : Mayabunder; South Andamans : Port Blair; Nicobars : Kamorta, Trinket, Great Nicobar.

#### 33. *Ophiarthrum pictum* (Mueller and Troschel)

1842. *Ophiocoma picta* Mueller, J. and Troschel, F. H. *System der Asteriden*, p. 102
1969. *Ophiarthrum pictum* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **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**(1 & 2) : 136 (1970) Nicobars : Nancowry.
1983. *Ophiarthrum pictum* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90 South Andamans : Port Blair; Nicobars.

1997. *Ophiarthrum pictum* : Sastry, D.R.K. *J. Andaman Sci. Assoc.* **13**(1&2) : 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).

*Material* : South Andamans : Port Blair, New Wandoor, MGMNP (Pongibalu), Ritchie's Archipelago (Havelock, Inglis); Nicobars : Kamorta, Great Nicobar.

### 34. *Ophiocoma brevipes* Peters

1851. *Ophiocoma brevipes* Peters, W. *Ber. K. Preurs. Akad. Wiss.*, **1851** : 465
- 1898 *Ophiocoma brevipes* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 81 Andaman Is., 13-24m (7-13 fms).
1899. *Ophiocoma brevipes* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : Andamans.
1969. *Ophiocoma brevipes* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **7** : 56 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).
1983. *Ophiocoma brevipes* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90 South Andamans : Port Blair.
1987. *Ophiocoma brevipes* : James, D.B. *J. mar. biol. Ass.*, **24**(1&2) : 39 (1982) South Andamans : Port Blair.
1999. *Ophiocoma brevipes* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 19 North Andamans: Ray Hill (SE corner of North Andaman Island).
2001. *Ophiocoma brevipes* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 163 South Andamans: Ritchie's Archipelago (Inglis Island).

*Material* : North Andamans : Ray Hill (SE corner of North Andaman Island); South Andamans : Ritchie's Archipelago (Inglis Island).

### 35. *Ophiocoma dentata* Müller and Troschel

1842. *Ophiocoma dentata* Müller, J. and Troschel, F. H. *System der Asteriden*, 99
1969. *Ophiocoma insularia* var. *variegata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **7** : 56 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.*, **34** : 90 South Andamans : Port Blair.

1987. *Ophiocoma dentata* : James, D.B. *J. mar. boil. Ass.*, **24**(1 & 2) : 40 (1982) South Andamans : Port Blair.
1991. *Ophiocoma dentata* : James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 21 South Andamans : MGMNP (Jolly Buoy Island).
1999. *Ophiocoma dentata* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(1) : 92 Nicobars : Great Nicobar.
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).

**Material** : Middle Andamans : Mayabunder; South Andamans : Port Blair, Kaudiaghat, Little Andaman; Nicobars : Car Nicobar, Kamorta, Nancowry, Katchal, Trinket, Great Nicobar.

### **36. *Ophiocoma doederleini* de Loriol**

1899. *Ophiocoma doederleini* de Loriol, P. *Mem. Soc. Phys. Hist. nat. Geneve*, **33**(2) : 30
1988. *Ophiocoma doederleini* : James, D.B. *J. Andaman Sci. Assoc.* **4**(2) : 139 South Andamans : Port Blair.

### **37. *Ophiocoma erinaceus* Müller, J. and Troschel, F. H.**

1842. *Ophiocoma erinaceus* Müller, J. and Troschel, F. H. *System der Asteriden*, 98
1899. *Ophiocoma erinaceus* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 79 Andaman Is., 37m (20 fms).
1969. *Ophiocoma erinaceus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **7** : 56 South Andamans : Port Blair.
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).
1983. *Ophiocoma erinaceus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90 South Andamans : Port Blair.
1987. *Ophiocoma erinaceus* : James, D.B. *J. mar. boil. Ass.*, **24**(1&2) : 38 (1982) South Andamans : Port Blair.
1991. *Ophiocoma erinaceus* : James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 21 South Andamans : MGMNP (Jolly Buoy Island).
1999. *Ophiocoma erinaceus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(1) : 92 Nicobars : Great Nicobar.

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 (SE corner of North Andaman Island); 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).

*Material* : North Andamans : Diglipur, Aerial Bay, Tentul Tikri, Swamp Island, Dotrel Island, Interview Island, Avis Island, Curlew (B.P.) Island, Egg Island, Ray Hill (SE corner of North Andaman Island); Middle Andamans : Mayabunder; South Andamans : Port Blair, Ritchie's Archipelago (Havelock, Neil, Inglis); Nicobars : Car Nicobar, Kamorta, Nancowry, Trinket, Great Nicobar.

### 38. *Ophiocoma pica* Müller and Troschel

1842. *Ophiocoma pica* Müller, J. and Troschel, F. H. *System der Asteriden*, 101
1969. *Ophiuocoma pica*: James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **7** : 56 Nicobars: Nancowry Island
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).
1983. *Ophiocoma pica* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90 Nicobar, 5m.
1987. *Ophiocoma pica* : James, D.B. *J. mar. biol. Ass.*, **24**(1&2) : 37 (1982) Nicobars : Nancowry.

*Material* : Nicobars : St. 624. Coral Reef off Reed Point, Nancowry Island, Mar. Surv., 13.2.1922, 1 spec.; Trnket Island.

### 39. *Ophiocoma pusilla* (Brock)

1888. *Ophiomastix pusilla* Brock, J. *Z. weiss. Zool.*, **47**(3) : 499
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).
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).

*Material* : North Andamans : Diglipur (Tentul Tikri, Aerial Bay); South Andamans : Ritchie's Archipelago (Havelock, Neil); Nicobars : Kamorta, Nancowry.

### 40. *Ophiocoma scolopendrina* (Lamarck)

1816. *Ophiura scolopendrina* Lamarck, J. B. P. A. de *Histoire naturelle des animaux sans vertebres*, **2** : 544

1887. *Ophiocoma scolopendrina* : Bell, F. J. *Proc. zool. Soc. Lond.*, **1887** : 140 Andamans.
1969. *Ophiocoma scolopendrina* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **7** : 56 South Andamans : Port Blair; Middle Andamans : Rangat Bay.
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).
1983. *Ophiocoma scolopendrina* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90 South Andamans : Port Blair.
1987. *Ophiocoma scolopendrina* : James, D.B. *J. mar. biol. Ass.*, **24**(1 & 2) : 38 (1982) South Andamans : Port Blair.
1991. *Ophiocoma scolopendrina* : James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 20 South Andamans: MGMNP (Jolly Buoy Island).
1999. *Ophiocoma scolopendrina* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(1) : 92 Nicobars: Great Nicobar.
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).

**Material** : North Andamans : Ross Island; Sound Island; Middle Andamans : Mayabunder, Long Island; South Andamans : Port Blair, Ross Island, Rangachang, Mcpherson Strait, Ritchie's Archipelago (Havelock, Neil, Nicholson, Inglis); Nicobars : Car Nicobar, Kamorta, Nancowry; Katchal, Trinket, Great Nicobar.

#### 41. *Ophiocomella sexradia* (Duncan)

1887. *Ophiocnida sexradia* Duncan, P. M. *J. Linn. Soc. Lond. (Zool.)*, **21** : 86, 92
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).
1983. *Ophiocomella sexradia* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90 South Andamans : Port Blair.

#### 42. *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** : Andamans.
1898. *Ophiomastix annulosa* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 85 Andamans.
1969. *Ophiomastix annulosa* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **7** : 56 South Andamans : Port Blair; Nicobars : Car Nicobar.

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.*, **34** : 90 South Andamans: Port Blair.
1991. *Ophiomastix annulosa* : James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 20 South Andamans : MGMNP. (Jolly Buoy Island).
1999. *Ophiomastix annulosa* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(1) : 92 Nicobars : Great Nicobar.
1999. *Ophiomastix annulosa* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 19 North Andamans : Ray Hill (SE corner of North Andaman Island); Middle Andamans : Mayabunder.
2001. *Ophiomastix annulosa* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 164 South Andamans : Ritchie's Archipelago (Neil, Inglis).

*Material* : North Andamans Ray Hill (SE corner of North Andaman Island); Middle Andamans : Mayabunder, Long Island; South Andamans : Port Blair, Chidyatapu, Ritchie's Archipelago (Neil, Inglis); Nicobars : Car Nicobar, Kamorta, Nancowry, Katchal, Trinket, Great Nicobar.

#### 43. *Ophiopsila pantherina* Koehler

1898. *Ophiopsila pantherina* Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 73 North Andamans : Table Island, 27-64m (15-35 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.*, **34** : 90 Andaman Island, 6-67m.

#### Family OPHIONEREIDAE

#### 44. *Ophiochiton modestus* Koehler

1897. *Ophiochiton modestus* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 340 Andamans, 485m (265 fms).
1899. *Ophiochiton modestus* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 51 Andamans, 485m (265 fms).
1983. *Ophiochiton modestus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90 Andaman Island, 484m.

#### 45. *Ophionereis andamanensis* James

1987. *Ophionereis andamanensis* James, D.B. *J. mar. biol. Ass. India*, **24** : 33 (1982) South Andamans : Port Blair.

*Material* : South Andamans : Port Blair (Type material).

**46. *Ophionereis dubia* (Müller and Troschel)**

1842. *Ophiolepis dubia* Müller, J. and Troschel, F. H. *System der Asteriden*, 94

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).

*Material* : South Andamans : Rutland Island.

**47. *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 Andamans, 31-37m (17-20 fms).

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.*, 34 : 90 South Andamans : Port Blair.

Family OPHIODERMATIDAE

**48. *Gymnopelta indica* (Koehler)**

1897. *Ophioconis indica* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 325 North Andamans : 8 miles west of Interview Island, 494-82m (270-45 fms).

1899. *Ophioconis indica* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 39 North Andamans : 8 miles west of Interview Island, 494-82m (270-45 fms).

1922. *Gymnopelta indica* : Koehler, R. *Bull. U. S. nat. Mus.*, 100(5) : 15

1983. *Ophioconis indica* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 90 Andaman Island, 82m.

**49. *Ophiarachna incrassata* (Lamarck, J. B. P. A. de, 1816)**

1887. *Ophiarachna incrassata* : Bell, F. J. *Proc. zool. Soc. Lond.*, 1887 : Andamans.

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.*, 34 : 90 Andaman Island.

*Material* : Andamans; South Andamans : Port Blair.

### 50. *Ophiarachnella gorgonia* (Müller and Troschel)

1842. *Ophiarachna gorgonia* Müller, J. and Troschel, F. H. *System der Asteriden*, 105
1898. *Pectinura gorgonia* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 59 Andamans.
1969. *Ophiarachnella gorgonia* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **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).
1983. *Ophiarachnella gorgonia* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90 South Andamans : Port Blair.

*Material* : Andamans.

### 51. *Ophiarachnella infernalis* (Müller and Troschel)

1842. *Ophiarachna infernalis* Müller, J and Troschel, F. H. *System der Asteriden*, 105
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.*, **34** : 90 South Andamans : Port Blair.
1999. *Ophiarachnella infernalis* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15** (2) : 19 North Andamans : Interview and Egg Islands.

*Material* : North Andamans : Interview Island, Egg Island; Nicobars : Nancowry.

### 52. *Ophiopeza custos* Koehler

1897. *Ophiopeza custos* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 321 North Andamans : 8 miles west of Interview Island, 4-82m (270-45 fms).
1899. *Ophiopeza custos* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 35 North Andamans : 8 miles west of Interview Island, 4-82m (270-45 fms).
1983. *Ophiopeza custos*: James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90 Andaman Island.

### 53. *Ophiopsammus yoldii* (Luetken)

1856. *Ophiopeza yoldii* Lütken, C. *Meddr dansk naturh. Foren*, **1856** : 98
1889. *Ophiopsammus yoldii* : Bell, F. J. *Proc. zool. Soc. Lond.*, **1889** : Bay of Bengal.
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).

*Material* Andamans.

Family OPHIACANTHIDAE

54. *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 South Andamans : South Sentinel Island, 439m (240 fms).
1899. *Ophiacantha gratiosa* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 56 South Andamans : South Sentinel Island, 439m (240 fms).
1939. *Ophiacantha abnormis* : Clark, H. L. *John Murray Expedition, 1933-34, Sci. Rep.* VI (Zool.) : 41
1983. *Ophiacantha gratiosa* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 91 Andaman Island, 353-812m.

55. *Ophiacantha composita* Koehler

1897. *Ophiacantha composita* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 350 Nicobar Is., 91° 05' E, 5° 56' N, 2908m (1590 fms).
1899. *Ophiacantha composita* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 59 Nicobar Is., 91° 05' E, 5° 56' N, 2908m (1590 fms).
1983. *Ophiacantha composita* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.* 34: 91 Nicobars, 2909m.

56. *Ophiacantha indica* Ljungman

1899. *Ophiacantha decora* Koehler, R. *Echinoderma of the Indian Museum*, Part I : 81 Andamans, 37m (20 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.*, 34 : 91 Andaman Island, 36-65m.

57. *Ophiacantha pentagona* Koehler

1897. *Ophiacantha pentagona* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 342 West Coast of Middle Andamans : Cape Bluff, 686m (375 fms); South Andamans : Cinque Island, 219m (120 fms), South Sentinel Island, 439m (240 fms); North Sentinel Id., 457m (250 fms).
1899. *Ophiacantha pentagona* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 53 West Coast of Middle Andamans : Cape Bluff, 686m (375 fms); South Andamans : Cinque Island, 219m (120 fms), South Sentinel Island, 439m (240 fms); North Sentinel Id., 457m (250 fms).
1983. *Ophiacantha pentagona* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 91 Andamans, 219-525m.

**58. *Ophiacantha sociabilis* Koehler**

1897. *Ophiacantha sociabilis* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 348 South Andamans : West of South Andamans, 11° 15' N 91° 16' E, 3365m (1840 fms)
1899. *Ophiacantha sociabilis* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 58 South Andamans : West of South Andamans, 11° 15' N 91° 16' E, 3365m (1840 fms).
1983. *Ophiacantha sociabilis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 91 Andaman Island, 3299-3367m.

**59. *Ophiacantha vestita* Koehler**

1897. *Ophiacantha vestita* Koehler, R. *Ann. Sci. nat. Zool.* (8)IV : 344 South Andamans : North Sentinel Island, 457m (250 fms).
1899. *Ophiacantha vestita* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 54 South Andamans : North Sentinel Island, 457m (250 fms).
1983. *Ophiacantha vestita* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 91 Andaman Island, 356m.

**60. *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 Id. 238-457m (130-250 fms).
1899. *Ophiocamax fasciculata* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 67 South Andamans: 13 miles SW of North Sentinel Id. 238-457m (130-250 fms).
1983. *Ophiocamax fasciculata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 91 Andaman Island.

**61. *Ophiocamax rugosa* Koehler, R.**

1904. *Ophiocamax rugosa* Koehler, R. *Siboga Exped. Monog.*, **45a** : 139
- Material* : South Andamans : Port Blair, 183m (100 fathoms).

**62. *Ophiomitra integra* Koehler, R.**

1897. *Ophiomitra integra* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 356 South Andamans : Between North and South Sentinel Islands, 402-439m (220-240 fms).
1899. *Ophiomitra integra* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 64 South Andamans : Between North and South Sentinel Islands, 402-439m (220-240 fms).
1983. *Ophiometra integra* (sic!) : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 91 Andaman Island.

**63. *Ophioplinthaca rudis* (Koehler)**

1897. *Ophiomitra rudis* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 358 Andaman Is., 1426m (780 fms).

1899. *Ophiomitra rudis* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 65 Andaman islands, 1426m (780 fms).

1939. *Ophioplinthaca rudis* : Clark, H. L. *The John Murray Expedition, 1933-34, Sci. Rep.*, VI (Zool.) : 46

1983. *Ophiomitra rudis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 91 Andaman Island, 1290m.

*Material* : St. 310. Off North Andamans, 13° 29' 30" N 95° 29' E, 1756m (960 fms);  
St. 254. Off South Andamans, 11° 16' 30" N 92° 58' E, 1223m (669 fms).

#### Family HEMIEURYALIDAE

##### 64. *Ophiomoeris tenera* (Koehler)

1897. *Ophioceramis tenera* Koehler, R. *Ann. Sci. nat. Zool.*, (8)IV : 317 Andaman Is. 485m (265 fms).

1899. *Ophioceramis tenera* : Koehler, R. *Echinoderma of the Indian Museum*, Part I : 33 Andaman Is. 485m (265 fms).

1922. *Ophiomoeris tenera* : Koehler, *Bull. U. S. nat. Mus.*, 100(5) : 40

1983. *Ophioceramis tenera* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 91 Andaman Island, 474-1163m.

#### Family OPHIACTIDAE

##### 65. *Ophiactis delagoa* Balinsky

1957. *Ophiactis delagoa* Balinsky, B. I. *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).

*Material* : Andamans.

##### 66. *Ophiactis modesta* Brock

1888. *Ophiactis modesta* Brock, J. Z. *weiss. Zool.*, 47 : 482

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.*, 34 : 90 Andamans : Port Blair, intertidal.

2001. *Ophiactis modesta* : Sastry, D.R.K. *Rec. zool. Surv. India*, 99 : 161 South Andamans : Ritchie's Archipelago (Sir William Peel Island).

##### 67. *Ophiactis picteti* (de Loriol)

1893. *Ophiocnida picteti* de Loriol, P. *Rev. Suisse Zool.*, I : 65

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).

1983. *Ophiocnida picteti* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90 Andaman Island, 12-18m.

#### 68. *Ophiactis savignyi* (Müller and Troschel)

1842. *Ophiolepis savignyi* Müller, J. and Troschel, F. H. *System der Asteriden*, 95

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).

1983. *Ophiactis savignyi* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90 South Andamans : Port Blair.

1998. *Ophiactis savignyi* : Sastry, D.R.K. *Symp. Proc. Island Ecosystem and Sustainable Development* : 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.

2001. *Ophiactis savignyi* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 161 South Andamans : Ritchie's Archipelago (Havelock and Neil Islands).

*Material* : South Andamans : Port Blair, Labyrinth Islands (MGMNP- Alexandra Island), Ritchie's Archipelago (Havelock, Neil); Nicobars : Kamorta, Nancowry, Great Nicobar.

### Family AMPHIURIDAE

#### 69. *Amphioplus intermedius* (Koehler)

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

#### 70. *Amphioplus (Amphioplus) personatus* (Koehler)

1971. *Amphioplus (Amphioplus) personatus* : Clark, A.M. and Rowe, F. W. E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 78-79 (distribution) and 102 (key).

*Material* : Andamans; Nicobars : Nancowry.

#### 71. *Amphioplus (Lymanella) andreae* (Lütken)

1971. *Amphioplus (Lymanella) andreae* : 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.*, **34** : 90 Andaman Island, 20m.

#### 72. *Amphioplus (Lymanella) depressus* (Ljungman)

1867. *Amphipholis depressus* Ljungman, A. V. *Ofvers. K. Vetensk. Akad. Forh.*, **23**(9) : 312

1898. *Amphiura relict*a Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 69 Andaman Is., 13-27m (7-15 fms).

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, 13-18m.

### 73. *Amphioplus (Lymanella) hastatus* (Ljungman)

1867. *Amphipholis hastatus* Ljungman, A. *Ofversk. Vidensk Akad. Forh.* **1866** : 313

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).

*Material* : Andamans.

### 74. *Amphioplus (Lymanella) near laevis* (Lyman)

1874. *Amphiura laevis* Lyman, T. *Bull. Mus. Comp. Zool. Harv.* **3**(10) : 229

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).

*Material* : Andamans.

### 75. *Amphipholis misera* (Koehler)

1899. *Amphiura misera* Koehler, R. *Echinoderma of the Indian Museum*, Part I : 45 Andaman Is., 485m (265 fms).

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.*, **34** : 90 Andaman Island, 468m.

### 76. *Amphipholis squamata* (Delle Chiaje)

1828. *Asterias squamata* Delle Chiaje, S. *Mem. Anim. s. vert.*, **3** : 77

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).

1999. *Amphipholis squamata* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 18 North Andamans : Diglipur (Aerial Bay).

*Material* : North Andamans : Aerial Bay, Nicobars : Car Nicobar.

### 77. *Amphiura dispar* Koehler

1897. *Amphiura dispar* Koehler, R. *Ann. Scient. Nat. Zool.*, (8)IV : 334

1899. *Amphiura dispar* : Koehler, R. *Echinoderma of the Indian Museum, Part I* : 46 Andaman Is., 435-530m (238-290 fms).  
 1983. *Amphiura dispar* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90 Andaman Island, 253-1215m.

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

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).

*Material* : Andamans.

**79. *Ophiocentrus dilatatus* (Koehler)**

1905. *Ophiocnida dilatata* Koehler, R. *Siboga Exped. Monog.* **45 b** : 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**. *Echinodermes : Ophiurides* : 111

*Material* : Andamans.

**80. *Ophiocentrus verticillatus* (Doederlein)**

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.*, **34** : 90 South Andamans : Port Blair, 40m.

**Family OPHIOTHRICIDAE**

**81. *Macrophiothrix aspidota* (Müller and Troschel)**

1842. *Ophiothrix aspidota* Müller, J. and Troschel, F. H. *System der Asteriden*, p. 115 Bay of Bengal.  
 1969. *Macrophiothrix aspidota* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **7** : 5 South 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).  
 1999. *Macrophiothrix aspidota* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 19 North Andamans : Ray Hill (SE corner of North Andaman Island).

*Material* : North Andamans : Ray Hill (SE corner of North Andaman Island)

**82. *Macrophiothrix demessa* (Lyman)**

1861. *Ophiothrix demessa* Lyman, T. *Proc. Boston Soc. nat. Hist.*, **8** : 82
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).
2001. *Macrophiothrix demessa* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 161 South Andamans: Ritchie's Archipelago (Neil Island).

*Material* : South Andamans : Ritchie's Archipelago (Neil).

**83. *Macrophiothrix galateae* (Lütken, 1872)**

1969. *Macrophiothrix galateae* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **7** : 55 South Andamans : Port Blair.
1971. *Macrophiothrix galateae* : Clark, A.M. and Rowe, F. W. E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 82-83 (distribution) and 114 (key).

*Remarks* : Clark and Rowe (1971 : 82-83) mentioned the report of this species from Bay of Bengal by Lütken (1872b). It is to be verified whether the material is from Nicobars.

**84. *Macrophiothrix koehleri* A.M. Clark**

1968. *Macrophiothrix koehleri* Clark, A.M. *Bull. Br. Mus. nat. Hist.*, (Zool.), **16** :
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.

*Material* : North Andamans : Diglipur, Aerial Bay; Middle Andamans : Mayabunder, Long Island; South Andamans : Port Blair; Nicobars.

**85. *Macrophiothrix longipeda* (Lamarck)**

1816. *Ophiura longipeda* Lamarck, J. B. P. A. de *Hist. nat. anim. s. vert.*, **2** : 544
1898. *Ophiothrix longipeda*: Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 97 Andaman Is.
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).
1983. *Macrophiothrix longipeda* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90 Andaman Island.
1991. *Macrophiothrix longipeda* : James, D.B. *J. Andaman Sci. Assoc.* **7**(2) : 20 South Andamans: Labyrinth Islands (MGMNP- Jolly Buoy and Malay Is.)
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, Nicholson).

*Material* : North Andamans : Interview Island; South Andamans : Port Blair; Rangachang, Labyrinth Islands (MGMNP- Jolly Buoy, Malay), Ritchie's Archipelago (Havelock, Nicholson); Nicobars.

### 86. *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 Is., 0-31m (0-17 fms).
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).
1980. *Macrophiothrix propinqua*: Clark, A.M. *Rev. Zool. afr.* **94** : 537
1983. *Ophiothrix propinqua*: James, D.B. *Bull. cent. mar. Fish. Res. Inst.* **34** : 90 Andaman Island, 0-31m.
1997. *Macrophiothrix propinqua* : Sastry, D.R.K. *J. Andaman Sci. Assoc.* **13**(1&2): 51 South Andamans : MGMNP (Pongibalu).
1999. *Macrophiothrix propinqua* : 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, Neil).

*Material* : Andamans; North Andamans : Diglipur; South Andamans : Chidyatapu, MGMNP- Pongibalu, Ritchie's Archipelago (Havelock, Neil, Sir William Peel); Nicobars : Kamorta, Nancowry, Great Nicobar.

### 87. *Macrophiothrix speciosa* (Koehler)

1898. *Ophiothrix speciosa* Koehler, R. *Bull. scient. Fr. Belg.* **31** : 94 Andaman Is.
1969. *Macrophiothrix speciosa* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **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.*, **34** : 90 South Andamans : Port Blair; Nicobar Island.

### 88. *Ophiocnemis marmorata* (Lamarck)

1816. *Ophiura marmorata* Lamarck, J. B. P. A. de *Hist. nat. anim. s. vert.*, **2** : 543

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).

*Material* : Andamans.

**89. *Ophiolophus novarae* Marktanner-Turneretscher**

1887. *Ophiolophus novarae* Marktanner-Turneretscher, G. *Ann. naturh. Mus. Wien.*, **2** : 291-316 Nicobars.
1904. *Ophiolophus novarae* : Koehler, R. *Siboga Exped. Monogr.* Bay of Bengal.

**90. *Ophiomaza cacaotica* Lyman**

1871. *Ophiomaza cacaotica* Lyman, T. *Ill. Mus. comp. Zool. Harv. No.*, **1** : 9
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).

*Material* : Andamans, Nicobars : Kamorta, Nancowry.

**91. *Ophiopterion elegans* Ludwig**

1888. *Ophiopterion elegans* Ludwig, H. *Zeit. F. wiss. Zool.*, **48** : 459
1898. *Ophiopterion elegans* : Koehler, *Bull. scient. Fr. Belg.*, **31** : 89 Andaman Is., 37m (20 fms).
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.*, **34** : 90 Andaman Island.

*Material* : Andamans.

**92. *Ophiothela danae* Verrill**

1869. *Ophiothela danae* Verrill, A. E. *Proc. Boston Soc. nat. Hist.*, **12** : 391
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).
1991. *Ophiothela danae* : James, D.B. *J. Andaman Sci. Assoc.*, **7(2)** : 20 South Andamans : Labyrinth Islands (MGMNP- Jolly Buoy Island).
2001. *Ophiothela danae*: Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 162 South Andamans : Ritchie's Archipelago (Havelock Island).

*Material* : South Andamans : Ritchie's Archipelago (Havelock Island)

**93. *Ophiothrix (Acanthophiothrix) diligens* Koehler**

1898. *Ophiothrix diligens* Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 104 Andaman Is., 75m (41 fms).  
 1983. *Ophiothrix diligens* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90 Andaman Island, 75m.

**94. *Ophiothrix (Acanthophiothrix) proteus* Koehler**

1905. *Ophiothrix proteus* Koehler, R. *Siboga Exped. Monogr.*, **45b** : 100  
 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).

*Material* : Nicobars : Nancowry.

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

1867. *Ophiothrix purpurea* von Martens, *Mber. dt. Akad. Wiss. Berl.*, **1867** : 346  
 1898. *Ophiothrix lepidus*: Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 103 Andamans, 62-75m (34-41 fms); North Andamans : Table Id., 27-64m (15-35 fms).  
 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).  
 1983. *Ophiothrix lepidus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90 Andaman Island, 27-91m.  
 1997. *Ophiothrix (Acanthophiothrix) purpurea* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **13(1&2)** : 51 South Andamans : MGMNP- Pongibalu.

*Material* : South Andamans : MGMNP (Pongibalu).

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

1922. *Ophiothrix koreana* : Koehler, R. *Bull. U. S. nat. Mus.*, : 242 [non : Duncan, P. M. 1879].  
 1968. *Ophiothrix (Acanthophiothrix) vigelandi* Clark, A.M. *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].  
 1997. *Ophiothrix (Acanthophiothrix) vigelandi* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **13(1&2)** : 51 South Andamans : North of Rutland Island.

*Material* : South Andamans : North of Rutland Island.

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

1816. *Ophiura nereidina* Lamarck, J. B. P. A. de *Hist. nat. anim. s. vert.*, **2** : 544  
 1898. *Ophiothrix nereidina* : Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 97 Andamans, 37m (20 fms); North Andamans : Table Id. 27-46m (15-25 fms).

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).
1997. *Ophiothrix (Keystonea) nereidina* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **13**(1&2) : 51 South Andamans : Labyrinth Islands (MGMNP- Pongibalu).
1999. *Ophiothrix (Keystonea) nereidina* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 19 North Andamans : Curlew (B.P.) Island.

*Material* : Andamans; North Andamans : Curlew (B.P.) Island; South Andamans : MGMNP (Pongibalu); Nicobars : St. 703. Corals north side of Nancowry Harbour, Kamorta Island, Mar. Surv., 13.1.1926, 1 spec.

#### 98. *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 Andaman Is., 435-530m (238-290 fms), 485m (265 fms); Off South Andamans: Between North and South Sentinel Is. 439-402m (240-220 fms); 13 miles SW of North Sentinel Id. 238-457m (130-250 fms); South Sentinel Id. 439m (240 fms); South Andamans 11° 31' 40" N 92° 46' 40" E, 344-402m (188-220 fms).
1899. *Ophiothrix aristulata* var. *investigatoris* : Koehler, R. *Echinoderma of the Indian Museum*, Part **I** : 67 Andaman Is., 485m (265 fms); South Andamans : Between North and South Sentinel Is., 439-402m (240-220 fms); 13 miles SW of North Sentinel Id., 238-457m (130-250 fms); South Sentinel Id., 439m (240 fms); Off South Andamans, 11° 31' 40" N 92° 46' 40" E, 344-402m (188-220 fms).
1983. *Ophiothrix aristulata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90 Andaman Island.

#### 99. *Ophiothrix (Ophiothrix) ciliaris* (Lamarck)

1816. *Ophiura ciliaris* Lamarck, J. B. P. A. de *Hist. nat. anim. s. vert.*, **2** : 545
1898. *Ophiothrix stelligera*: Koehler, R. *Bull. scient. Fr. Belg.*, **31** : 100 Andaman Is., 64m (35 fms).
1971. *Ophiothrix (Ophiothrix) ciliaris* : Clark, A.M. and Rowe, F. W. E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 84-85 (distribution) and 109 (key).
1983. *Ophiothrix stelligera* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90 Andaman Island, 64m.
1998. *Ophiothrix (Ophiothrix) ciliaris* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(2) : 19 North Andamans: Diglipur (Aerial Bay).

*Material* : North Andamans : Diglipur (Aerial Bay).

#### 100. *Ophiothrix (Ophiothrix) exigua* Lyman

1874. *Ophiothrix exigua* Lyman, T. *Bull. Mus. comp. Zool. Harv.*, **3**(10) : 236
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).

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).

*Material* : Andamans; North Andamans : Diglipur (Aerial Bay, Port Cornwallis, Tentul Tikri); South Andamans : Ritchie's Archipelago (Havelock); Nicobars : Nancowry.

#### 101. *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 Is., 37m (20 fms).
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).

*Material* : South Andamans : Chidyatapu.

#### 102. *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 Andamans, 0-24m (0-13 fms).
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).
1983. *Ophiothrix trilineata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 90 Andaman Island.
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, Neil).

*Material* : Andamans; North Andamans : Diglipur (Aerial Bay), South Andamans : Port Blair, Chidyatapu, Ritchie's Archipelago (Havelock, Sir William Peel, Neil); Nicobars : Kamorta.

#### 103. *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 Andamans, 64-66m (35-36 fms).
1983. *Ophiothrix vitrea* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : Andaman Island, 64-67m.

Class ECHINOIDEA

Order CIDAROIDA

Family CIDARIIDAE

1. *Eucidaris metularia* (Lamarck)

1816. *Cidarites metularia* Lamarck, J.B.P.A. de *Histoire naturelle des animaux sans vertebres*, 3 : 56
1927. *Eucidaris metularia* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 9 Andamans, 66m (36 fms); Andamans, tidal level; South Andamans : Invisible Bank, 11° N 93° 30' E, 29-75m (16-41 fms).
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.*, 34 : 92 Andaman Island, 29-75m.

*Material* : Andamans, Mar. Surv., 1 spec.; Middle Andamans : Long Island, Dr. K.K. Tiwari, 26.1.1959, 1 spec.; South Andamans: Invisible Bank, , 93° 30' E 11° N, 29-75m (16-41 fms).

2. *Phyllacanthus imperialis* Lamarck

1816. *Cidarites imperialis* Lamarck, J.B.P.A. de *Histoire naturelle des animaux sans vertebres*, 3 : 54
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).

*Material* : South Andamans : Ritchie's Archipelago (RJMNP- Henry Lawrence Island).

3. *Prionocidaris baculosa* (Lamarck)

1816. *Cidarites baculosa* Lamarck, J.B.P.A. de *Histoire naturelle des animaux sans vertebres*, 3 : 55
1927. *Prionocidaris baculosa* var. *annulifera* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 31 North Andamans : St. 238. East of North Andaman, 13° 16' N 93° 08' E, 137-110m (75-60 fms).
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.*, 34 : 92 South Andamans : Port Blair, 5m.

#### 4. *Prionocidaris brevicollis* (de Meijere)

1904. *Cidaris baculosa* var. *brevicollis* de Meijere, J. C. H. *Siboga Exped. Monog.*, **43** : 11
1927. *Stylocidaris brevicollis* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 33 Andaman Sea, 238-457m (130-250 fms); North Andamans : St. 70. East of North Andaman, 13° 16' 30" N 93° 08' E, 128m (70 fms); 18 miles SW of the southern extremity of Interview Island, 439-82m (240-45 fms).
1983. *Prionocidaris brevicollis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 92 Andaman Sea, 82-457m.

#### 5. *Prionocidaris verticillata* (Lamarck)

1816. *Cidarites verticillata* Lamarck, J.B.P.A. de *Histoire naturelle des animaux sans vertebres*, **3** : 56
1925. *Prionocidaris verticillata* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, 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.*, **34** : Andaman Island.
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).

*Material* : Andamans, J. Wood-Mason, 1 spec.; Middle Andamans : Long Island, Dr. H.S. Rao, 18.2.1923, 1 spec.; South Andamans : MGMNP- Pongibalu, Ritchie's Archipelago (RJMNP - Henry Lawrence Island).

#### 6. *Poriocidaris purpurata* Wyville-Thompson

1869. *Poriocidaris purpurata* Wyville Thomson, *Proc. Roy. Soc.*, 1869
1906. *Poriocidaris purpurata*: Döderlein, L. *Wiss. Ergbn. Dt. Tiefsee-Exped. "Valdivia"* V : 117 Nicobars : SW of Great Nicobar, 7° 49' N 93° 07' E, 805m.
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 not be 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, 805m ... 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.*, **34** : 92 Nicobar.

**7. *Stereocidaris alcocki* (Anderson)**

1894. *Dorocidaris alcocki* Anderson, A. R. S. *Jour. Asiat. Soc. Bengal*, **62**(part 2, no. 3) : 191
1927. *Stereocidaris alcocki* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 27 Andaman Sea, 457m (250 fms); Andaman Sea, 238-457m (130-250 fms).
1983. *Stereocidaris alcocki* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 92 Andaman Sea, 237-1163m.

**8. *Stereocidaris indica* Döderlein**

1901. *Stereocidaris indica* Döderlein, L. *Zool. Anz.*, **23** : 19
1927. *Stereocidaris indica* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 25 Andaman Sea, 878m (480 fms)
1983. *Stereocidaris indica* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 92 Andaman Sea, 733-873m

**9. *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)*, 23 [Sri Lanka, Macclesfield Bank].
1927. *Stylocidaris bracteata* var. *albidens* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 33 Middle Andamans : St. 238. Off Middle Andamans, 13° 16' N 93° 08' E, 137-110m (75-60 fms); South Andamans : Port Blair, 110m (60 fms).
1928. *Stylocidaris albidens* : Mortensen, T. *A Monograph of Echinoidea*, **I** : 335 (key).
1983. *Stylocidaris bracteata* var. *albidens* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 92 South Andamans : Port Blair, 109-137m.

**10. *Stylocidaris lorioli* (Koehler)**

1927. *Dorocidaris lorioli* Koehler, R. *Echinoderma of the Indian Museum*, Part X : 21 Andaman Sea, 205m (112 fms).
1928. *Stylocidaris lorioli* : Mortensen, T. *A Monograph of Echinoidea*, **I** : 335 (key).
1983. *Dorocidaris lorioli* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 92 Andaman Island.

**11. *Stylocidaris tiara* (Anderson, 1894)**

1894. *Dorocidaris tiara* Anderson, A. R. S. *Jour. Asiat. Soc. Bengal*, **62**(part 2, no. 3) : 188
1927. *Dorocidaris tiara* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 15 Andaman Sea, 219m (120 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.*, **34** : 92 Andaman Sea, 259-732m.

## Order ECHINOTHURIOIDA

## Family ECHINOTHURIIDAE

12. *Hygrosoma luculentum* (A. Agassiz)

1879. *Phormosoma luculentum* Agassiz, A. : 201
1927. *Hygrosoma luculentum* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 36 Andaman Sea, 485m (265 fms); Andaman Sea, 741m (405 fms); Andaman Sea, 914m (500 fms); East of North Andaman, 13° 27' N 93° 14' 30" E, 741m (405 fms); South Andamans : Off Port Blair, 496m (271 fms); St. 115. West of Little Andaman, 11° 31' 40" N 92° 46' 40" E, 344-402m (188-220 fms); St. 116. West of Little Andaman, 11° 25' 05" N 92° 47' 06" E, 741m (405 fms).
1935. *Hygrosoma luculentum* : Mortensen, T. *Monograph of Echinoidea*, II : 215
1983. *Hygrosoma luculentum* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 92 South Andamans : Port Blair.

13. *Phormosoma bursarium* A. Agassiz

1881. *Phormosoma bursarium* A. Agassiz, *Rep. Challenger Echinoidea*, Zoology, 3 : 99
1927. *Phormosoma indicum* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 40 Andaman Sea, 485m (265 fms), 496m (271 fms), 741m (405 fms), 878m (480 fms); St. 115. Off North Andaman, 13° 31' 40" N 92° 46' 40" E, 344-402m (188-220 fms); St. 222. East of North Andaman, 13° 27' N 93° 14' 30" E, 741m (405 fms); St. 314. East of North Andaman, 13° 56' N 93° 36' E, 1121m (613 fms); St. 310. East of Middle Andamans, 13° 29' 30" N 95° 29' E, 1756m (960 fms); St. 116. Off South Andaman, 11° 25' 05" N 92° 47' 06" E, 741m (405 fms); St. 332. 10-Degree Channel between Little Andaman and Car Nicobar Islands, 10° 21' N 92° 46' 15" E, 510m (279 fms).
1935. *Phormosoma bursarium* : Mortensen, T. *Monograph of Echinoidea*, II : 135
1983. *Phormosoma bursarium* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 92 Andaman Sea, 1163-1958m.

14. *Phormosoma verticillatum* Mortensen

1904. *Phormosoma verticillatum* Mortensen, T. *Ann. Mag. nat. Hist.*, (7) 14 : 90
1927. *Phormosoma verticillatum* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 41 Nicobars : St. 255. West of Car Nicobar, 9° 26' 30" N 91° 56' 30" E, 1589-1670m (869-913 fms).
1935. *Phormosoma verticillatum* : Mortensen, T. *Monograph of Echinoidea*, II : 135
1983. *Phormosoma verticillatum* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 92 Andaman Sea, 1184-1958m.

Order DIADEMATOIDA

Family DIADEMATIDAE

15. *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 : Andamans.
1925. *Astropyga radiata* : H. L. Clark, *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, p. 46 Andaman].
1927. *Astropyga radiata* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 51 North Andamans : Table Island.
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.*, 34 : 91 Andaman Island.

16. *Centrostephanus nitidus* Koehler

1927. *Centrostephanus nitidus* Koehler, R. *Echinoderma of the Indian Museum*, Part X : 53 St. 237. Off North Andamans, 13° 17' N 93° 07' E, 165m (90 fms).
1983. *Centrostephanus nitidus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 91 Andaman Sea.

17. *Chaetodiadema granulatum* Mortensen

1903. *Chaetodiadema granulatum* : Mortensen, T. *Vidensk. Meddr dansk naturh. Foren.* 1903 : 1
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).

*Material* : South Andamans : Off Shoal Bay, 48-54m, G. Ramakrishna, 19.1.1976, 2 specs; Off Shoal Bay, 43-44m, G. Ramakrishna, 11.2.1976, 1 spec.

18. *Diadema savignyi* Michelin [The characters differentiating *Diadema savignyi* and *Diadema setosum* - tridentate pedicellariae and red ring around the anal region of periproct particularly in preserved specimens- are not always discernible. As such the records might belong to either of the species. Further the species are mostly sympatric. Hence details are given under the next species, *Diadema setosum*.]

19. *Diadema setosum* (Leske)

1778. *Echinometra setosa* Leske, N. G. *Add. Ad Klein*, 36

1845. *Diadema savignyi* Michelin, H. M. *Rev. Mag. Zool. Paris* (2) *Zoophytes*, 1845 : 15
1927. *Diadema saxatile* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 47 South Andamans : Port Blair.
1927. *Aspidodiadema annulatum* Koehler, R. *Echinoderma of the Indian Museum*, Part X : 61 South Andamans : Invisible Bank, 29-75m (16-41 fms) (= young *Diadema*).
1969. *Diadema savignyi* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 7 : 58 South Andamans : Port Blair.
1969. *Diadema setosum* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 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.*, 34 : 91 South Andamans : Port Blair
1991. *Diadema setosum* : James, D.B. *J. Andaman Sci. Assoc.*, 7(2) : 21 South Andamans : Labyrinth Islands (MGMNP- Jolly Buoy, Redskin and Malay Islands).
1999. *Diadema setosum* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, 15(1) : 92 Nicobars : Great Nicobar.
2001. *Diadema setosum* : Sastry, D.R.K. *Rec. zool. Surv. India*, 99 : 164 South Andamans : Ritchie's Archipelago (RJMNP- Outram Island).

*Material* : North Andamans : Kalipur Bay near Aerial Bay, Diglipur, Dr. R. C. Sharma, 4.3.1980, 1 spec.; Middle Andamans : Mayabunder, Dr. K. K. Tiwari, 20.2.1959, 3 specs; South Andamans : Chidyatapu, Dr. B. K. Tikader, 28.5.1971, 1 spec.; Chidyatapu, K. V. Surya Rao, 27.2.1974, 6 specs; Chidyatapu, Dr. A. K. Mukherjee, 15.2.1972, 1 spec.; Chidyatapu, G. Ramakrishna, 16.1.1976, 3 specs; Chidyatapu, G. Ramakrishna, 17.1.1976, 1 spec.; Ross Island, near Port Blair, Dr. A. K. Mandal, 2.8.1972, 4 specs; Aberdeen Jetty, Port Blair, Dr. G. C. Rao, 25.3.1974, 2 specs; Phoenix Bay, Port Blair, 1 spec.; Atlanta Point, Port Blair, (Dr. A. Daniel), 16.2.1971, 1 spec.; Ritchie's Archipelago (W and E of Jetty, Neil Island, Dr. B. K. Tikader, 9.10.1970, 3 specs; Jetty, Neil Island, Dr. G. C. Rao, 20.3.1974, 1 spec.; Havelock Island, Dr. G. C. Rao, 8.5.1973, 2 specs); Nicobars : Malacca Village, Car Nicobar Island, Dr. K. K. Tiwari, 24.3.1959, 1 spec.; Tamalu Beach, Car Nicobar Island, K. V. Surya Rao, 7.2.1974, 1 spec.; East Bay, Katchal Island, K. V. Surya Rao, 7.2.1974, 1 spec.; Navy side, Kamorta Island, Dr. G. C. Rao, 20.4.1973, 1 spec.; Galathea Bay, Great Nicobar Island, Dr. A. Daniel, 25.3.1966, 1 spec.; Haramindergarh, Great Nicobar Island, Dr. S. K. Bhattacharya, 10.1.1975, 1 spec.

## 20. *Echinothrix calamaris* (Pallas)

1774. *Echinus calamaris* Pallas, P. S. *Spec.. Zool.* 1(10) : 31
1925. *Echinothrix calamaris* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, 44 Andamans
1927. *Echinothrix calamaris* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : Andaman Is.; North Andamans : Table Island; South Andamans : Ritchie's Archipelago (Inglis Island).
1969. *Echinothrix calamaris* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 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.*, 34 : 91 South Andamans : Port Blair.
1991. *Echinothrix calamaris* : James, D.B. *J. Andaman Sci. Assoc.*, 7(2) : 21 South Andamans : Labyrinth Islands (MGMNP- Grub Island).
2001. *Echinothrix calamaris* : Sastry, D.R.K. *Rec. zool. Surv. India*, 99 : 165 South Andamans : Ritchie's Archipelago (Havelock Island; RJMNP- Henry Lawrence Island).

**Material** : North Andamans : Kalipur Bay near Aerial Bay, Diglipur, Dr. R. C. Sharma, 4.3.1980, 1 spec., Ross Island; Middle Andamans : Rangat Bay, Dr. B. K. Tikader, 22.4.1970, 1 spec.; South Andamans : Chidyatapu, Dr. B. K. Tikader, 26.5.1971, 5 specs; Chidyatapu, Dr. K. Reddiah, 23.12.1972, 1 spec.; Chidyatapu, K. V. Surya Rao, 27.2.1974, 3 specs; Chidyatapu, Dr. A. K. Mukherjee, 20.1.1972, 1 spec.; Ross Island, near Port Blair, 1.4.1930, 1 spec.; Ritchie's Archipelago (Havelock Island, Dr. A. Daniel, 28.2.1971, 1 spec.; Inglis Island, Mar. Surv., 1 spec.); Nicobars : Great Nicobar.

## 21. *Echinothrix diadema* (Linnaeus)

1758. *Echinus diadema* Linnaeus, C. *Systema Naturae*, Ed. 10 : 664
1925. *Echinothrix diadema* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, 45 Andamans.
1927. *Echinothrix diadema* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 48 North Andamans : Table Island.
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.*, 34 : 91 South Andamans : Port Blair.

**Material** : Nicobars : Car Nicobar, Dr. K. K. Tiwari, 25.3.1959, 2 specs; Malacca, Car Nicobar, Dr. K. K. Tiwari, 27.3.1959, 1 spec.

## Family ASPIDODIADEMATIDAE

22. *Aspidodiadema nicobaricum* Döderlein

1901. *Aspidodiadema nicobaricum* Döderlein, L. Zool. Anz., 23 : 21 Nicobars: SW of Great Nicobar, 6° 54' N 93° 29' E, 296m
1906. *Aspidodiadema nicobaricum* : Döderlein, L. Wiss. Ergebn. Dt. Tiefsee-Exped. "Valdivia" V : 163 Off Great Nicobar, 6° 54' N 93° 29' E, 296m
1983. *Aspidodiadema nicobaricum*: James, D.B. Bull. cent. mar. Fish. Res. Inst., 34 : 91 South-West of Nicobar.

## Order SELENIOIDA

## Family SALENIIDAE

23. *Salenia sculpta* Koehler

1927. *Salenia sculpta* Koehler, R. Echinoderma of the Indian Museum, Part X : 71 Andamans : St. 238. Off North Andaman, 13° 16' N 93° 08' E, 137-110m (75-60 fms).

## Order PHYMOSOMATOIDA

## Family STOMECHINIDAE

24. *Stomopneustes variolaris* (Lamarck)

1816. *Echinus variolaris* Lamarck, J.B.P.A. de Histoire naturelle des animaux sans vertebres, 3 : 47
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., 34 : 91 South Andamans : Port Blair.

*Material* : South Andamans : Aberdeen Jetty, Port Blair, Dr. G.C. Rao, 25.3.1974, 1 spec.; Bedeabdulu, Little Andaman Island, Dr. A. Daniel, 16.2.1961, 1 spec.; Taibalowe, Little Andaman Island, Dr. A. Daniel, 22.2.1961, 1 spec.; Gaje, Little Andaman Island, Dr. A. Daniel, 25.2.1961, 1 spec.; Konane, 25 miles north of Gaje, Little Andaman Island, Dr. A. Daniel, 26.2.1961, 1 spec.; Ritchie's Archipelago : (Havelock Island, Dr. G.C. Rao, 7.5.1973, 4 specs); Nicobars : Nancowry Harbour, Mar. Surv., 1921-22, 1 spec.; In front of Naval Garrison, Kamorta Island, Dr. B.K. Tikader, 25.3.1970, 1 spec.; Near Naval Garrison, Kamorta Island, Dr. K. Reddiah, 3.10.1972, 1 spec.; Kamorta Beach, South, K.V. Surya Rao, 12.2.1974, 1 spec.; East of Jetty, Kamorta Island, G. Ramakrishna, 30.1.1976, 1 spec.; Kamorta Island, Dr. G.C. Rao, 1 spec.

Order ARBACIOIDA

Family ARBACIIDAE

25. *Coelopleurus vittatus* Koehler, 1927

1927. *Coelopleurus vittatus* Koehler, R. *Echinoderma of the Indian Museum*, Part X : 64 Off North Andamans, 13° 16' 30" N 93° 08' E, 144m (79 fms).

26. *Pygmaeocidaris prionigera* (A. Agassiz)

1879. *Podocidaris prionigera* Agassiz, A. *Proc. Amer. Acad.*, 14 : 199
1891. *Podocidaris prionigera*: Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)8 : 40 St. 112. Off North Andamans, 13° 47' 30" N 92° 36' E, 1026m (561 fms).
1927. *Pygmaeocidaris prionigera* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 63 St. 112. Off North Andamans, 13° 47' 30" N 92° 36' E, 1026m (561 fms).
1935. *Pygmaeocidaris prionigera* : Mortensen, T. *Monograph of Echinoidea*, II : 553
1983. *Pygmaeocidaris prionigera* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 91 Andaman Sea, 1026m.

Order TEMNOPLEUROIDA

Family TEMNOPLEURIDAE

27. *Mespilia globulus* (Linnaeus)

1758. *Echinus globulus* Linnaeus, C. *Systema Naturae*, Ed., 10 : 664
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).
1997. *Mespilia globulus*: Sastry, D.R.K. *J. Andaman Sci. Assoc.*, 13(1 & 2) : 54 South Andamans : Port Blair, MGMNP (Pongibalu), Ritchie's Archipelago (RJMNP- Henry Lawrence Island); Nicobars : Kamorta.

**Material** : South Andamans : Aberdeen Bay, Port Blair, Dr. G.C. Rao, 25.3.1974, 1 spec.; MGMNP (Pongibalu), Ritchie's Archipelago (RJMNP- Henry Lawrence Island); Nicobars : Chhota Ainak, Kamorta, Dr. B.K. Tikader, 24.3.1970, 1 spec.

28. *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), 95 Andamans [non : *Microcyphus maculatus* L. Agassiz & Desor].

1928. *Microcyphus ceylanicus* Mortensen, T. *A Monograph of Echinoidea. I. Cidaroida*, : 151 (key).  
 1971. *Microcyphus ceylanicus* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 140-141 (distribution) and 156 (key).

### 29. *Paratrema doederleini* (Mortensen)

1904. *Pleurechinus doederleini* Mortensen, T. *The Danish Expedition to Siam, Echinoidea*. p. 77  
 1927. *Paratrema doederleini* : Koehler, R. *Echinoderma of the Indian Museum, Part X* : 91 Andaman Is.  
 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.*, **34** : 91 Andaman Island.

### 30. *Printechinus impressus* Koehler

1927. *Printechinus impressus* Koehler, R. *Echinoderma of the Indian Museum, Part X* : 98 St. 238. 13° 16' N 93° 08' E, 110-137m (60-75 fms) *Printechinus impressus* nov. sp. 1927. Koehler, R. *Echinoderma of the Indian Museum, Part X* : 98 Andamans : St. 238. Off North Andamans, 13° 16' N 93° 08' E, 110-137m (60-75 fms).

### 31. *Prionechinus agassizi* Wood-Mason and Alcock

1891. *Prionechinus agassizi* Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)VII : 441 Andamans : St. 111. W of North Andaman, 12° 50' N 90° 52' E, 3007m (1644 fms) or St. 116. Off Little Andaman, 11° 25' 05" N 92° 47' 06" E, 741m (405 fms) [It was mentioned as St. 116. 1644 fms. Koehler, 1927 reported material from St. 111. Off North Andamans, see *infra*].  
 1927. *Prionechinus agassizi* : Koehler, R. *Echinoderma of the Indian Museum, Part X* : 89 Andamans : West of Little Andaman, 11° 15' N 91° 16' E, 3365m (1840 fms); West of North Andaman, 12° 50' N 90° 52' E, 3007m (1644 fms).

### 32. *Salmacis bicolor* L. Agassiz

1841. *Salmacis bicolor* Agassiz, L. *Mon. Ech. Anat. Echinus*, p. viii  
 1969. *Salmacis bicolor* var. *typica*: James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **7** : 57 Nicobars: Nancowry Island  
 1971. *Salmacis bicolor* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 140-141 (distribution) and 156 (key).

### 33. *Temnopleurus apodus* Agassiz and Clark

1983. *Temnopleurus apodus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 91 South Andamans: Port Blair, 204m.

**34. *Temnopleurus proctalis* (Koehler)**

1927. *Prymnechinus proctalis* Koehler, R. *Echinoderma of the Indian Museum*, Part X : 110 South Andamans : Port Blair, 205m (112 fms).

*Remarks* : *Prymnechinus* is a synonym of *Temnopleurus*.

**35. *Temnopleurus toreumaticus* (Leske)**

1778. *Cidaris toreumaticus* Klein in Leske, N.G. *Additamenta ad Kleinii naturalem dispositionem Echinodermatum*, p. 155.
1927. *Temnopleurus toreumaticus* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 76 Andaman Is.; Andaman Is., 37m (20 fms).
1969. *Temnopleurus toreumaticus* : James, D.B. *Bull. cent. Mar. Fish. Res. Inst.*, 7 : 57 South 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.*, 34 : 91 Andaman Island.

*Material* : South Andamans : Andamans, G.H. Booley, 1 spec.; Chatham Jetty, Port Blair, Dr. A. Daniel, 10.2.1961, 1 spec.

**36. *Temnotrema scillae* (Mazetti)**

1894. *Temnechinus scillae* Mazetti, A. G. *Mem. R. Acad. Sci. Modena*, (2) X : 213
1927. *Temnotrema scillae* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 92 Andamans : Andaman Is, 448-82m (245-45 fms); South Andamans : Port Blair, 27m (15 fms).
1983. *Temnotrema scillae* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 91 South Andamans : Port Blair, 27-448m.

**37. *Trigonocidaris versicolor* Koehler**

1927. *Trigonocidaris versicolor* Koehler, R. *Echinoderma of the Indian Museum*, Part X : 94 St. 237. Off Middle Andamans, 13° 17' N 93° 07' E, 165m (90 fms); Andaman Sea, 182m (100 fms).
1983. *Trigonocidaris versicolor* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 91 Andaman Sea, 164-183m.

**Family TOXOPNEUSTIDAE****38. *Gymnechinus robillardi* (de Loriol)**

1883. *Echinus robillardi* de Loriol, P. *Mem. Soc. Phys. Hist. nat. Geneve*, 28(3) : 23

1927. *Gymnechinus megaloplax* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 112 Andaman Is.

1927. *Gymnechinus megaloplax* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 112. Andaman Is.

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).

### 39. *Toxopneustes pileolus* (Lamarck)

1816. *Echinus pileolus* Lamarck, J.B.P.A. de *Histoire naturelle des animaux sans vertebres*, 3 : 45

1887. *Toxopneustes pileolus* : Bell, F.J. *Proc. zool. Soc. Lond.*, 1887 : Andamans.

1925. *Toxopneustes pileolus* : H.L. Clark, *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, 123 Andamans.

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.

1999. *Toxopneustes pileolus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, 15(1) : 92 Nicobars : Great Nicobar.

*Material* : South Andamans : Chidyatapu, Dr. K. Reddiah, 23.10.1972, 1 spec; Chidyatapu, K. V. Surya Rao, 27.2.1974, 1 spec.; Ritchie's Archipelago (East of Jetty, Neil Island), Dr. B. K. Tikader, 10.4.1970, 1 spec.; Nicobars : Car Nicobar Island (Malacca), Dr. B. K. Tikader, 4.3.1970, 1 spec, Kamorta Island (in front of Naval Garrison), Dr. B. K. Tikader, 25.3.1970, 1 spec.; Great Nicobar.

### 40. *Tripneustes gratilla* (Linnaeus)

1758. *Echinus gratilla* Linnaeus, C. *Systema Naturae*, Ed., 10 : 664

1927. *Tripneustes gratilla* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 108 North Andamans : Table Id, 27-64m (15-35 fms).

1969. *Tripneustes gratilla* : James, *Bull. cent. Mar. Fish. Res. Inst.*, 7 : 57 Nicobars: Nancowry Island

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.*, 34 : 91 South Andamans : Port Blair.

*Material* : South Andamans : Ritchie's Archipelago (Sir William Peel Island, Dr. G. C. Rao, 5.4.1974, 2 specs); Aberdeen Bay, Port Blair, Dr. K.K. Tiwari, 11.1.1959, 2 specs; Aberdeen Bay, Port Blair, Dr. K.K. Tiwari, 2.3.1959, 1 spec.; Ross Island, near Port Blair,

Dr. A.K. Mandal, 2.8.1972, 1 spec.; Marine Jetty, Port Blair, Dr. G.C. Rao, 24.3.1974, 3 specs; Chidyatapu, Dr. G.C. Rao, 1.5.1973, 1 spec.; Chidyatapu, K.V. Surya Rao, 27.2.1974, 2 specs, Ross Island; Nicobars : Nancowry Island, Dr. K.K. Tiwari, 2.4.1959, 1 spec.; Champin, Nancowry Island, Dr. A.G.K. Menon, 17.3.1972, 2 specs; In front of Naval Garrison, Kamorta Island, Dr. B.K. Tikader, 25.3.1970, 2 specs; Chhota Ainak, Kamorta Island, Dr. G.C. Rao, 19.4.1973, 4 specs; East of Jetty, Kamorta Island, G. Ramakrishna, 30.1.1976, 1 spec.

## Order ECHINOIDA

### Family ECHINOMETRIDAE

#### 41. *Colobocentrotus atratus* (Linnaeus)

1758. *Echinus atratus* Linnaeus, C. *Systema Naturae*, Ed., 10 : 655

1887. *Colobocentrotus atratus* : Bell, F.J. *Proc. zool. Soc. Lond.*, 1887 : 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.

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.*, 34 : 91 Andaman Island.

1999. *Colobocentrotus atratus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, 15(1): 92 Nicobars : Great Nicobar.

*Material* : South Andamans : Rocks south of Corbyn's Cove, Port Blair, Dr. H. S. Rao, 15.2.1935, 1 spec.; Nicobars : Katchal, Great Nicobar

#### 42. *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 : Andamans.

1925. *Echinometra mathaei* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, 143 Andamans.

1927. *Echinometra mathaei* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 121 South Andamans : Port Blair, Andaman Is.; Nicobars: Nicobar Is.

1969. *Echinometra mathaei* : James, D.B. *Bull. cent. Mar. Fish. Res. Inst.*, 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 violacea* : Sastry, D.R.K. *Newsl. zool. Surv. India*, 3(3) : 117 Andaman Islands.
1983. *Echinometra mathaei* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 91 South Andamans : Port Blair.
1998. *Echinometra mathaei* : Sastry, D.R.K. *Symp. Proc. "Island Ecosystem and Sustainable Development"*: 136 South Andamans: Labyrinth Islands (MGMNP- Alexandra and Jolly Buoy Islands).
1999. *Echinometra mathaei* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, 15(1) : 92 Nicobars : Great Nicobar.
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).

*Material* : Middle Andamans : Between Mayabunder and Aves Island, Dr. A.G.K. Menon, 4 specs; Long Island, July 1931, 2 specs; South coast of Long Island, Dr. H.S. Rao, 20.1.1935, 1 spec.; South Andamans : Aberdeen Jetty, Port Blair, H. C. Ray, 14.3.1952, 1 spec.; Port Blair, Dr. A. Daniel, 16.2.1971, 13 specs; Aberdeen Jetty, Port Blair, Dr. G.C. Rao, 2.3.1974, 3 specs; Aberdeen Jetty, Port Blair, Dr. G.C. Rao, 25.3.1974, 5 specs; Atlanta Point, Aberdeen Bay, Port Blair, G. Ramakrishna, 14.1.1976, 1 spec.; Atlanta Point, Port Blair, B. P. Halder, 22.5.1978, 1 spec.; South Point, Aberdeen Bay, Port Blair, G. Ramakrishna, 15.1.1976, 1 spec.; South Point, Port Blair, B.P. Halder, 20.5.1978, 3 specs; Phoenix Bay, Port Blair, H.C. Ray, 15.3.1952, 1 spec.; Marine Jetty, Port Blair, Gr. G.C. Rao, 24.3.1974, 4 specs; Phoenix Bay, Port Blair, 1 spec.; Between South Point and Corbyn's Cove, Port Blair, Dr. H.S. Rao, 11.10.1932, 2 specs; South Point, Port Blair, Dr. H. S. Rao, 3 specs; NW of Ross Island near Port Blair, Dr. H.S. Rao, 24.12.1932, 1 spec.; Chidyatapu, Dr. B.K. Tikader, 26.5.1971, 1 spec.; Chidyatapu, Dr. A.K. Mukherjee, 20.1.1972, 1 spec.; Chidyatapu, K.V. Surya Rao, 27.2.1974, 1 spec.; Chidyatapu, G. Ramakrishna, 16.1.1976, 1 spec.; Labyrinth Islands (MGMNP- Alexandra and Jolly Buoy Islands); Ritchie's Archipelago (Inglis and Havelock Islands, RJMNP- Outram and Henry Lawrence Islands); Benyaboi, Little Andaman, Dr. A. Daniel, 23.2.1961, 2 specs; Dugong Creek, Little Andaman, Dr. S.S. Sarkar, 2 specs; Ritchie's Archipelago (Neil Island, Dr. B.K. Tikader, 9.4.1970, 2 specs); Nicobars : Malacca, Car Nicobar Island, Dr. K.K. Tiwari, 23.3.1959, 2 specs; Malacca, Car Nicobar Island, Dr. K.K. Tiwari, 28.3.1959, 1 spec.; Malacca, Car Nicobar Island, Dr. K.K. Tiwari, 5.4.1959, 1 spec.; Malacca, Car Nicobar Island, Dr. K. Reddiah, 27.9.1972, 3 specs; Perka, Car Nicobar Island, Dr. B.K. Tikader, 13.3.1970, 7 specs; Tamalu, Car Nicobar Island, K.V. Surya Rao, 26.1.1974, 1 spec.; Kamorta Island, Dr. B.K. Tikader, 25.3.1970, 3 specs; Near Naval Garrison, Kamorta Island, Dr. K. Reddiah, 3.10.1972, 2 specs; Kamorta Island, K.V. Surya Rao, 3 specs; East of Jetty, Kamorta Island, G. Ramakrishna, 24.1.1976, 1 spec.; East of Jetty, Kamorta Island, G. Ramakrishna, 30.1.1976, 1 spec.; Galathea Bay, Great Nicobar Island, 1 spec.

#### 43. *Echinometra oblonga* (de Blainville)

1969. *Echinometra mathaei* var. *oblonga* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 7 : 58 South Andamans : Port Blair; Nicobars : Nancowry.
1977. *Echinometra mathaei oblonga* : Sastry, D.R.K. *Newsl. zool. Surv. India*, 3(3) : 117 Nicobar Islands.
1988. *Echinometra mathaei* var. *oblonga* : James, D.B. In : M. F. Thompspon *et al. Marine Biodeterioration*, : 228 South Andamans : Port Blair.

*Remarks* : *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*.”

#### 44. *Echinostrephus molaris* (de Blainville)

1825. *Echinus molare* de Blainville, H. M. *Dictionnaire des Sciences Naturelles*, 37 : 88
1927. *Echinostrephus molaris* : Koehler, R. *Echinoderma of the Indian Museum*, Part X : 119 South Andamans : Macpherson Strait; Port Blair, Andaman Is.
1969. *Echinostrephus molare*: James, D.B. *Bull. cent. Mar. Fish. Res. Inst.*, 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.*, 34 : 91 South Andamans : Port Blair.
1997. *Echinostrephus molaris* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, 13(1&2) : 52 South Andamans : MGMNP-Pongibalu.

*Material* : Middle Andamans : Rangat Bay, Dr. B. K. Tikader, 22.4.1970, 3 specs.; South Andamans : Atlanta Point, Port Blair, B. P. Haldar, 22.5.1978, 1 spec.; Ross Island, near Port Blair, H. C. Ray, 26.3.1952, 2 specs; Kaudiaghat, 18 miles South of Port Blair, K. V. Surya Rao, 21.1.1974, 1 spec.; Chidyatapu, G. Ramakrishna, 17.1.1976, 2 specs; MGMNP- Pongibalu; Nicobars : East of Jetty, Kamorta Island, G. Ramakrishna, 30.1.1976, 1 spec.; Champin, Nancowry Island, G. Ramakrishna, 31.1.1976, 1 spec.; Great Nicobar, Trinket.

#### 45. *Heterocentrotus trigonarius* (Lamarck)

1816. *Echinus trigonarius* Lamarck, J.B.P.A. de *Histoire naturelle des animaux sans vertebres*, **3** : 51
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.

*Material* : Nicobars : Nancowry Island, D.R.K. Sastry, two specs.

#### Order HOLECTYPOIDA

#### Family ECHINONEIDAE

#### 46. *Echinoneus cyclostomus* Leske

1778. *Echinoneus cyclostomus* Leske, N.G. *Additamenta ad Kleinii naturalem dispositionem Echinodermatum*, 109
1887. *Echinoneus cyclostomus* : Bell, F.J. *Proc. zool. Soc. Lond*, **1887** : Andamans
1925. *Echinoneus cyclostomus* : Clark, H.L. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, 177 Andamans.
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).
1999. *Echinoneus cyclostomus* : Sastry, D.R.K. *J. Andaman Sci. Assoc.*, **15**(1) : 92 Nicobars : Great Nicobar.
2001. *Echinoneus cyclostomus* : Sastry, D.R.K. *Rec. zool. Surv. India*, **99** : 165 South Andamans : Ritchie's Archipelago (Havelock Island).

*Material* : South Andamans : Ritchie's Archipelago (Havelock Island); Nicobars : St. 625. Expedition Harbour, 23m (12 ½ Fms), North side of Kamorta Island, Mar. Surv., 1,2 Mar 1922, 1 spec.; Tamalu Beach, Car Nicobar Island, K. V. Surya Rao, 26.1.1974, 1 spec.; Great Nicobar.

#### Order CLYPEASTEROIDA

#### Family CLYPEASTERIDAE

#### 47. *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 Andaman Is. 494-82m (270-45 fms).

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.*, **34** : 92 Andaman Island, 18-494m.

*Material* : Andamans, J. Wood-Mason, 1 spec.

### Family ARACHNOIDIDAE

#### 48. *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)*, 154 Andamans.
1969. *Arachnoides placenta* : James, D.B. *Bull. cent. Mar. Fish. Res. Inst.*, **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.*, **34** : 92 South Andamans : Port Blair.

*Material* : Andamans, Jan. 1930, 2 specs; Andamans, 2 specs; North Andamans : Smith Island, near Diglipur, Dr. B.K. Tikader, 26.4.1971, 2 specs; South Andamans : Chidyatapu, Dr. G.C. Rao, 2.5.1973, 1 spec.; Chidyatapu, G. Ramakrishna, 17.1.1976, 1 spec.; Ritchie's Archipelago (NE coast of Havelock, K. V. Surya Rao, 20.2.1974, 1 spec.); Nicobars : Great Nicobar.

### Family FIBULARIIDAE

#### 49. *Echinocyamus crispus* Mazetti

1893. *Echinocyamus crispus* Mazetti, A. G. *Atti Soc. nat. Modena*, (2)**12** : 239
1922. *Echinocyamus crispus* : Koehler, R. *Echinoderma of the Indian Museum*, Part **IX** : 137 West Coast of Andaman Is., 27m (15 fms).
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.*, **34** : 92 Andaman Island, 27-111m.

## Family LAGANIDAE

50. *Laganum decagonale* (de Blainville)

1827. *Scutella decagonalis* de Blainville, H.M. *Dict. Sci. Nat.*, 48 : 229
1922. *Laganum decagonale* : Koehler, R. *Echinoderma of the Indian Museum*, part IX : 85 NE of North Andaman, 15° 20' N 94° 55' E, 37m (20 fms).
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).

51. *Laganum depressum* Lesson

1841. *Laganum depressum* L. Agassiz, *Monographie di Echinodermes II. Monographie des scutelles*, 110
1922. *Laganum depressum* : Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 92 South Andamans : Port Blair.
1969. *Laganum depressum* : James, D.B. *Bull. cent. mar. Fish. Res.*, 7 : 59 Middle Andamans : Rangat Bay.
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).

*Material* : North Andamans : Off Smith Island, near Diglipur, Dr. B.K. Tikader, 26.4.1971, 13 specs; Stewart Island, 10 KM north-west of Mayabunder, Dr. R.C. Sharma, 9.3.1980, 6 specs; South Andamans : Aberdeen Bay, Port Blair, Dr. K.K. Tiwari, 27.2.1959, 4 specs; Aberdeen Bay, Port Blair, Dr. K.K. Tiwari, 17.3.1959, 4 specs; Marine Jetty, Port Blair, Dr. G.C. Rao, 4.3.1974, 1 spec.; Chidyatapu, Dr. K. Reddiah, 23.10.1972, 1 spec.; Chidyatapu, K.V. Surya Rao, 27.2.1974, 6 specs; Chidyatapu, G. Ramakrishna, 16.1.1976, 2 specs; Ritchie's Archipelago (Havelock Island, Dr. A. Daniel, 27.2.1971, 1 spec.)

52. *Laganum laganum* (Leske)

1778. *Echinodiscus laganum* Leske, N.G. *Additamenta ad Kleinii naturalem dispositionem Echinodermatum*, 140
1922. *Laganum bonani* : Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 83 Andaman Is.
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(5) : 118 South Andamans : Port Blair, Ritchie's Archipelago (Havelock Island); Nicobars : Katchal Island.
1983. *Laganum laganum* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 92 Andaman Island.
1998. *Laganum laganum* : Sastry, D.R.K. *Synp. Proc. "Island Ecosystem and Sustainable Development"*, : 136 Andamans : Labyrinth Islands (MGMNP- Alexandra Island).

**Material** : Andamans, J. Wood-Mason, 3 specs; South Andamans : Aberdeen Bay, Port Blair, Dr. K.K. Tiwari, 18.3.1959, 1 spec.; Chatham, Port Blair, Dr. A. Daniel, 10.2.1961, 1 spec.; Chatham Jetty, Port Blair, K.V. Surya Rao, 26.2.1974, 2 specs; Ritchie's Archipelago (Havelock Island, Dr. A. Daniel, 27.2.1971, 2 specs); Nicobars : St. 673. East Bay, Katchal Island, Mar. Surv., 11.3.1925, 1 spec.

### 53. *Laganum retinens* Koehler

1922. *Laganum retinens* Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 99 St. 238. Off North Andaman, 13° 16' N 93° 08' E, 110-137m (60-75 fms).

### 54. *Laganum versatile* Koehler

1922. *Laganum versatile* Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 106 St. 220. Off North Andaman, 13° 16' 30" N 93° 08" E, 144m (79 fms).

### 55. *Peronella lessueuri* (Valenciennes)

1841. *Laganum lessueuri* Valenciennes in Agassiz, L. *Monographie d'Echinodermes II Monographie des Scutelles*, : 116

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).

**Material** : Andamans; Nicobars : East Bay, Katchal Island, K.V. Surya Rao, 9.2.1974, 1 spec.; East Bay, Katchal Island, G. Ramakrishna, 28.1.1976, 1 spec.

### 56. *Peronella macroproctes* Koehler

1922. *Peronella macroproctes* Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 113

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 Andaman Islands.

**Material** : Andaman Islands, J. Wood-Mason, 1 spec.; Andamans, 1 spec.

### 57. *Peronella rubra* Döderlein

1885. *Peronella rubra* Döderlein, L. *Arch. Naturgesch.*, 51 (1) :

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 South Andamans : Port Blair.

**Material** : South Andamans : Port Blair, G. H. Booley, 13.1.1885, 1 spec.

### 58. *Peronella rutlandi* (Koehler)

1922. *Laganum rullandi* Koehler, R. *Echinoderma of the Indian Museum*, Part IX : p. 103. South Andamans : Rutland Id., 64m (35 fms).

1981. *Peronella rutlandi* : Sastry, D.R.K. *Bull. zool. Surv. India*, 4(2) : 239

### Family ASTRICLYPEIDAE

### 59. *Echinodiscus auritus* Leske

1778. *Echinodiscus auritus* Leske, N.G. *Additamenta ad Kleinii naturalem dispositionem Echinodermatum*, : 138

1922. *Echinodiscus auritus* : Koehler, R. *Echinoderma of the Indian Museum*, Part IX : 123 Andamans : Andaman Is. 37m (20 fms).

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.*, 34 : 92 Andaman Island.

### 60. *Echinodiscus bisperforatus* Leske

1778. *Echinodiscus bisperforatus* Leske, N.G. *Additamenta ad Kleinii naturalem dispositionem Echinodermatum*, : 132

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).

*Material* : South Andamans : South Point, Port Blair, Dr. A. Daniel, 9.3.1961, 1 spec.; Tokoibuea, Little Andaman, Dr. A. Daniel, 13.2.1961, 8 specs; Laitora, Little Andaman, Dr. A. Daniel, 14.2.1961, 1 spec.; Tula, 7 miles from, Gaje, Little Andaman Island, Dr. A. Daniel, 26.2.1961, 1 spec.; Sandy patch of inshore region, Little Andaman Island, Dr. A. Daniel, 17.3.1971, 1 spec.; Little Andaman, Dr. A. Daniel, 19.3.1971, 3 specs; Little Andaman, Dr. A. Daniel, 19.3.1971, 1 spec.

### Order SPATANGOIDA

### Family PALAEOSTOMATIDAE

### 61. *Paleostoma mirabile* (Gray)

1851. *Leskia mirabilis* Gray, J. E. *Ann. Mag. nat. Hist.*, (2)7 : 134

1914. *Paleostoma mirabile* Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 36 St. 328. Off North Andamans, 14° 46' N 95° 51' E, 112m (61 fms)

1948. *Paleostoma mirabile* : Mortensen, T. *Bull. U. S. natn. Mus.* 100 Volume, 14(3) : 112

## Family PERICOSMIDAE

62. *Pericosmus micronesius* Koehler

1914. *Pericosmus micronesius* Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 133 Andamans : St. 239. Off South Andaman, 11° 49' 30" N 92° 55' E, 101m (55 fms).
1983. *Pericosmus micronesius* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 92 Andamans : Long Island, 100m [This Long Island is among the Moscos Is. Myanmar, not same as of Long Island of Middle Andamans].

## Family SCHIZASTERIDAE

63. *Brisaster indicus* Koehler

1914. *Brisaster indicus* Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 201 Andaman Is.
1983. *Brisaster indicus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : Andaman Island.

64. *Faorina chinensis* Gray

1851. *Faorina chinensis* Gray, J. E. *Ann. Mag. nat. Hist.*, (2)7 : 132
1914. *Faorina chinensi* : Koehler, R. *Echinoderma of the Indian Museum*, Part VII : 129 Off West Coast of Andaman, 91m (50 fms).
1983. *Faorina chinensis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 92 Andaman Island, 84-183m.

65. *Moiria stygia* Lütken

1872. *Moiria stygia* Lütken, C. in Agassiz, A. *Bull. Mus. comp. Zool. Harv.*, **3** : 58
1887. *Moiria stygia* : Bell, F. J. *Proc. zool. Soc. Lond.*, **1887** : Andamans.
1925. *Moiria stygia* : H.L. Clark, *A catalogue of the recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, 211 Andamans.
1971. *Moiria stygia* : Clark, A.M. and Rowe, F.W.E. *Monograph of shallow-water Indo-West Pacific echinoderms*, 146-147 (distribution) and 166 (key).
1983. *Moiria stygia* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 92 Andaman Island.
1990. *Moiria stygia* : Baker, A. N. and Rowe, F. W. E. *Invertebr. Taxon.*, **4** : 282 [Australia, Indian Ocean, East Indies].

66. *Schizaster (Paraster) investigatoris* (Koehler)

1914. *Prymnaster investigatoris* Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 196 South Andamans : Port Blair.
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. *Prymna investigatoris* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 92 South Andamans : Port Blair.

### Family BRISSIDAE

#### 67. *Brissopsis luzonicus* (Gray)

1851. *Kleinia luzonica* Gray, J. E. *Ann. Mag. nat. Hist.* (2) **7** : 133
1914. *Brissopsis luzonicus* : Koehler, R. *Echinoderma of the Indian Museum*, Part **VIII** : 207. Off West Coast of Andaman Is, 27m (15 fms).
1983. *Brissopsis luzonica* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **34** : 92 Andaman Island, 36-148m.
1990. *Brissopsis luzonicus* : Baker, A. N. and Rowe, F. W. E. *Invertebr. Taxon.*, **4** : 282

#### 68. *Brissopsis oldhami* Alcock

1893. *Brissopsis oldhami* Alcock, A. J. *Asiat. Soc. Bengal*, **62** : 174/76 Bay of Bengal, 1377m (753 fms) [Off Andhra Pradesh].
1914. *Brissopsis oldhami* : Koehler, R. *Echinoderma of the Indian Museum*, Part **VIII** : 218 10-degree Channel between Little Andaman and Car Nicobar : St. 315. 10° 6' N 92° 24' E, 1289m (705 fms).
1990. *Brissopsis oldhami* : Baker, A. N. and Rowe, F.W.E. *Invertebr. Taxon.*, **4** : 282, 288 [Australia, New Zealand, Indian Ocean, East Indies, Philippines].

#### 69. *Brissopsis parallela* Koehler

1914. *Brissopsis parallela* Koehler, R. *Echinoderma of the Indian Museum*, Part **VIII** : 213 East of North Andaman, 13° 17' 15" N 93° 10' E, 338m (185 fms); St. 331. East of Little Andaman, 11° 46' 30" N 93° 16' E, 1041m (569 fms); 10-Degree Channel between Little Andaman and Car Nicobar Islands, St. 315. 10° 06' N 92° 29' E, 1289m (705 fms).

#### 70. *Gymnopatagus magnus* (Agassiz and Clark)

1914. *Gymnopatagus sewelli* Koehler, R. *Echinoderma of the Indian Museum*, Part **VIII** : 98 St. 228. East of North Andaman, 13° 7' N 94° 44' 15" E, 1170m (640 fms); St. 310. East of North Andaman, 13° 29' 30" N 95° 09' E, 1756m (960 fms).
1990. *Gymnopatagus magnus* : Baker, A. N. and Rowe, F.W.E. *Invertebr. Taxon.*, **4** : 283 [New Zealand, Indian Ocean, East Indies Japan].

*Remarks* : *Gymnopatagus* is a subgenus of *Eupatagus* as per Fisher (1966 : U586 In : R. C. Moore, 1966).

#### 71. *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

*Material* : South Andamans : Port Blair, Mar. Surv., I spec.

## 72. *Metalia spatagus* (Linnaeus)

1758. *Echinus spatagus* Linnaeus, C. *Systema Naturae*, Ed., 10 : 665
1914. *Metalia maculosa* : Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 127 Andamans: West Coast of Andamans, 27m (15 fms), Andaman Is.
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* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 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].

## 73. *Metalia sternalis* (Lamarck)

1816. *Spatangus sternalis* Lamarck, J. B. P. A. de *Hist. nat. anim. s. vert.*, 3 : 31
1925. *Metalia sternalis* : H. L. Clark, *A catalogue of the recent sea-urchins (Echinoidea) in the collection of the British Museum (Natural History)*, 216 Andamans.
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.*, 34 : 92 Andaman Island.
1990. *Metalia sternalis* : Baker, A. N. and Rowe, F. W. E. *Invertebr. Taxon.*, 4 : 283 [Australia, Indian Ocean, East Indies, Japan, SW Pacific Ocean].

## Family SPATANGIDAE

## 74. *Maretia planulata* (Lamarck)

1914. *Maretia planulata* : Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 106 Great Coco Id., Myanmar.
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.*, 34 : 92 Great Coco Island, 36-54m.

*Material* : Andamans, 1 spec.

### 75. *Pseudomaretia alta* (A. Agassiz)

1863. *Maretia alta* Agassiz, A. *Proc. Acad. Nat. Sci. Philad.*, 360
1914. *Pseudomaretia alta* : Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 111 Andaman Is.
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).

*Remark* : Fisher (1966) considered *Pseudomaretia* as a subgenus of *Nacospatangus*.

### Family LOVENIIDAE

### 76. *Araeolampas glauca* (Wood-Mason and Alcock)

1891. *Homolampas glauca* Wood-Mason, J. and Alcock, A. *Ann. Mag. nat. Hist.*, (6)VIII : 441 Andamans : St. 111. West of North Andaman, 12° 50' N 90° 52' E, 3007m (1644 fms).
1914. *Homolampas glauca* : Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 45 St. 111. West of North Andaman, 12° 50' N 90° 52' E, 3007m (1644 fms).

### 77. *Breynia vredenburgi* Anderson.

1907. *Breynia vredenburgi* Anderson, A. R. S. *J. Asiat. Soc. Bengal*, 2(3) : 145 South Andamans : Port Blair.
1951. *Breynia vredenburgi* Mortensen, T. *A Monograph of Echinoidea*, V(2) : 145
1968. *Breynia vredenburgi* : James, D.B. *J. mar. biol. Ass. India*, 8(1) : 76 (1966) South Andamans : Port Blair.
1969. *Breynia vredenburgi* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 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.*, 34 : 92 South Andamans : Port Blair.

### 78. *Lovenia elongata* (Gray)

1845. *Spatangus elongata* Gray, J. E. *Exped. Australia*, 1 : 436
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).
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).

*Material* : South Andamans : Ritchie's Archipelago (Havelock Island).

**79. *Lovenia subcarinata* (Gray)**

1855. *Spatangus subcarinata* Gray, J.E. *Exped. Australia*, 1 : 436

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).

*Material* : Andamans, 2 specs.

Family ASTEROSTOMATIDAE

**80. *Argopatus vitreus* A. Agassiz**

1881. *Argopatus vitreus* A. Agassiz, *Challenger Echinoidea*, p. 160

1914. *Meijerea humilis* : Koehler, R. *Echinoderma of the Indian Museum*, Part VIII : 98 St. 310. Andaman Sea : NE of North Andaman, 13° 29' 30" N 95° 09' E, 1756m (960 fms).

1948. *Argopatus vitreus* : Mortensen, T. *Bull. U. S. natn. Mus.* 100 Volume 14, Part 3 : 113.

Class HOLOTHUROIDEA

Order ASPIDOCHIROTIDA

Family HOLOTHURIIDAE

**1. *Actinopyga echinites* (Jäger)**

1969. *Actinopyga echinites* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 61 South Andamans : Port Blair.

1983. *Actinopyga echinites* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 93 South Andamans : Port Blair.

*Material* : South Andamans : Port Blair, Wandoor; Nicobars : Kamorta, Katchal and Nancowry Islands.

**2. *Actinopyga lecanora* (Jäeger)**

1908. *Muelleria lecanora* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 21 Andamans.

1983. *Actinopyga lacanora* (sic!) : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 93 Andamans.

*Material* : Andamans; Nicobars.

### 3. *Actinopyga mauritiana* (Quoy and Gaimard)

1833. *Holothuria mauritiana* Quoy, J.R.C. and Gaimard, J.P. *Voyage de decouvertes de l'Astrolabe*, : 138
1908. *Muelleria mauritiana* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 22 Andamans; Nicobars
1969. *Actinopyga mauritiana* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 61 Middle Andamans : Rangat; South Andamans : Port Blair; Nicobars : Nancowry Island.
1983. *Actinopyga mauritiana* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 93 South Andamans : Port Blair.
1983. *Actinopyga mauritiana* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, 80 : 507 South Andamans : Chidya Tapu, Kaudiaghat, Port Blair, Little Andaman Island, Ritchie's Archipelago (Neil Island); Nicobars : Car Nicobar and Great Nicobar Islands.
1991. *Actinopyga mauritiana* : James, D.B. *J. Andaman Sci. Assoc.*, 7(2) : 21 South Andamans : MGMNP (Jolly Buoy and Tarmugli Islands).

*Material* : Middle Andamans : Rangat; South Andamans : Port Blair, Ross Island, Kaudiaghat, Chidyatapu, MGMNP (Jolly Buoy and Tarmugli Islands), Little Andaman Island, Ritchie's Archipelago (Havelock and Neil Islands); Nicobars: Car Nicobar, Nancowry, Trinket and Great Nicobar Islands.

### 4. *Actinopyga miliaris* (Quoy and Gaimard)

1833. *Holothuria miliaris* Quoy, J. R. C. and Gaimard, J. P. *Voyage de decouvertes de l'Astrolabe*, : 137
1908. *Muelleria miliaris* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 22 South Andamans : Port Blair
1983. *Actinopyga miliaris* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 93 South Andamans : Port Blair.
1991. *Actinopyga miliaris* : James, D.B. *J. Andaman Sci. Assoc.*, 7(2) : 22 South Andamans : MGMNP (Jolly Buoy and Malay Islands).

*Material* : South Andamans : Ritchie's Archipelago (Neil Island).

### 5. *Bohadschia argus* Jäger

1833. *Bohadschia argus* Jäger, G. F. *De Holothuriis*, 19
1983. *Bohadschia argus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 93 South Andamans : Port Blair.
1991. *Bohadschia argus* : James, D.B. *J. Andaman Sci. Assoc.* 7(2) : 22 South Andamans: Labyrinth Islands (MGMNP- Redskin and Twin Islands).

**6. *Bohadschia marmorata* Jäger**

1833. *Bohadschia marmorata* Jäger, G. F. *De Holothuriis* : 13
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 South Andamans : Port Blair.
1983. *Bohadschia marmorata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 93 South Andamans : Port Blair.
1983. *Bohadschia vitiensis* : James, D.B., *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : South Andamans : Port Blair.
1983. *Bohadschia marmorata* : Soota, T. D., Mukhopadhyay, S. K. and Samanta, T. K. *Rec. zool. Surv. India*, 80 : 508 South Andamans : Port Blair.
1991. *Bohadschia vitiensis* : James, D.B. *J. Andaman Sci. Assoc.*, 7(2) : 22 South Andamans : MGMNP (Chester and Malay Islands) [non: Semper. Dr. D.B. James, pers. commn.].

*Material* : South Andamans : Port Blair, Little Andaman Island; Nicobars : Trinket Island.

**7. *Holothuria (Acanthotrapeza) pyxis* Selenka**

1867. *Holothuria pyxis* Selenka, E.Z. *wiss. Zool.*, 17 : 337
1887. *Holothuria papillata* Bell, F.J. *Proc. zool. Soc. London.*, 1887 : 145 Andamans.
1908. *Holothuria pyxis* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 14 Andamans.
1983. *Holothuria pyxis* : James, D.B. *Bull. cent. Mar. Fish. Res. Inst. No.*, 34 : 93 South Andamans.
1983. *Holothuria (Acanthotrapeza) pyxis* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, 80 : 509 Nicobars : Kamorta and Nancowry Islands.
1986. *Holothuria (Acanthotrapeza) pyxis* : James, D.B. *J. Andaman Sci. Assoc.*, 2(1) : 34 South Andamans : Wandoor, Ritchie's Archipelago (Havelock Island).
1991. *Holothuria (Acanthotrapeza) pyxis* : James, D.B. *J. Andaman Sci. Assoc.*, 7(2) : 22 South Andamans: Labyrinth Islands (MGMNP- Jolly Buoy Island).
1995. *Holothuria (Acanthotrapeza) pyxis* : James, D.B. *J. Bombay nat. Hist. Soc.*, 92(1) : 53, 201 Andaman and Nicobar Islands.

*Material* : South Andamans : Port Monatt, Surf line [As per the Station List of R.I.M.S. Investigator Port Monatt is St. 9. 13 miles S by W of North Sentinel Island, 238-457m (130-250 fms)]; Wandoor; MGMNP (Jolly Buoy Island), Rutland Island, Ritchie's Archipelago (Havelock Island); Nicobars : Kamorta Island.

### 8. *Holothuria (Cystipus) inhabilis* Selenka

1983. *Holothuria (Cystipus) inhabilis*: Soota, T. D., Mukhopadhyay, S. K. and Samanta, T. K. *Rec. zool. Surv. India*, **80** : 519 [Andaman and Nicobar Is.].

### 9. *Holothuria (Cystipus) rigida* (Selenka)

1867. *Stichopus rigidus* Selenka, E. Z. *wiss. Zool.*, **17** : 317 (part).
1983. *Holothuria rigida* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93 South Andamans : Port Blair.
1983. *Holothuria (Cystipus) rigida* : Soota, T. D., Mukhopadhyay, S. K. and Samanta, T. K. *Rec. zool. Surv. India*, **80** : 509 North Andamans : Sound Island; South Andamans: Port Blair, Little Andaman Island; Nicobars : Nancowry Island.
1995. *Holothuria (Cystipus) rigida* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(2) : 194 Middle Andamans : Mayabunder; South Andamans : Port Blair.

*Material* : North Andamans : Sound Island; Middle Andamans : Mayabunder; Long Island; South Andamans : Port Blair; Rutland Island, Little Andaman Island, Ritchie's Archipelago (Neil Island); Nicobars : Nancowry Island.

### 10. *Holothuria (Halodeima) atra* Jäger

1833. *Holothuria atra* Jäger, G. F. *De Holothuriis*, p. 22
1887. *Holothuria atra* : Bell, F. J. *Proc. zool. Soc. Lond.*, **1887** : 140 Andamans.
1908. *Holothuria atra* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 5 Andamans; South Andamans : Ritchie's Archipelago (Inglis Island).
1983. *Holothuria atra* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93 South Andamans : Port Blair.
1983. *Holothuria (Halodeima) atra* : Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **81** : 302 Lakshadweep : Kavaratti Island.
1983. *Holothuria (Halodeima) atra* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 510 North Andamans : Interview Island; Middle Andamans : Long Island; South Andamans : Port Blair, Little Andaman Island; Nicobars : Car Nicobar and Great Nicobar Islands.
1991. *Holothuria (Halodeima) atra* : James, D.B. *J. Andaman Sci. Assoc.*, **7**(2) : 22 South Andamans : Labyrinth Islands (MGMNP- Chester, Jolly Buoy and Malay Islands).

*Material* : North Andamans : Interview Island; Middle Andamans : Mayabunder, Bakri Tikri (1 km from Long Island), Long Island; South Andamans : Port Blair, Ross Island, Rangachang, MGMNP (Alexandra, Chester, Jolly Buoy, Malay and Redskin Islands), Little

Andaman Island, Ritchie's Archipelago (Havelock, Inglis and Neil Islands); Nicobars : Car Nicobar, Kamorta, Nancowry, Trinket and Great Nicobar Islands.

### 11. *Holothuria (Halodeima) edulis* Lesson

1830. *Holothuria edulis* Lesson, R. P. *Centurie zoologique ou choix d'animaux rares, nouveau d'animaux rares, nouveaux ou imparfaitement connues*, 125
1887. *Holothuria albida* Bell, F. J. *Proc. zool. Soc. London.*, 1887 : 140 Andamans
1908. *Holothuria edulis* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 7 Andamans.
1983. *Holothuria edulis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 92 Andamans.
1991. *Holothuria (Halodeima) edulis* : James, D.B. *J. Andaman Sci. Assoc.*, 7(2) : 22 South Andamans: Labyrinth Islands (MGMNP- Jolly Buoy Island)
1995. *Holothuria (Halodeima) edulis* : James, D.B. *J. Bombay nat. Hist. Soc.*, 92(1) : 52 South Andamans : Port Blair.

*Material* : South Andamans : Port Blair, Rutland Island

### 12. *Holothuria (Lessonothuria) pardalis* Selenka

1867. *Holothuria pardalis* Selenka, E.Z. *wiss. Zool.*, 17 : 336
1886. *Holothuria pardalis* : Theel, H. *Rep. scient. Results Voy. 'Challenger' (Zool.)*, 39 : 224 Nicobars.
1887. *Holothuria lineata* : Bell, F.J. *Proc. zool. Soc. Lond.*, 1887 : 140 Andamans.
1908. *Holothuria pardalis* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 13 South Andamans: Ritchie's Archipelago (Inglis Island).
1969. *Holothuria pardalis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 7 : 61 South Andamans : Port Blair.
1983. *Holothuria pardalis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 93 South Andamans : Port Blair.
1983. *Holothuria (Lessonothuria) pardalis* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T. K. *Rec. zool. Surv. India*, 80 : 511 North Andamans : Sound Island; Nicobars : Nancowry Harbour.
1995. *Holothuria (Lessonothuria) pardalis* : James, D.B. *J. Bombay nat. Hist. Soc.*, 92(2) : 191 Middle Andamans : Mayabunder, Rangat; South Andamans : Port Blair.

*Material* : North Andamans : Sound Island; Middle Andamans : Mayabunder, Long Island; South Andamans : Port Blair, Chidyatapu, Wandoor Little Andaman Island, Ritchie's Archipelago (Havelock and Inglis Islands); Nicobars : Car Nicobar, Nancowry, Katchal and Great Nicobar Islands.

### 13. *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, 66m (36 fms).
1983. *Holothuria exilis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93 South Andamans : Port Blair.
1983. *Holothuria (Mertensiothuria) exilis* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 519 [Andaman and Nicobar Islands].

*Remarks* : James (1995a : 61) doubtfully referred *H. exilis* Koehler and Vaney to the synonymy of *H. pervicax* (*vide infra*).

### 14. *Holothuria (Mertensiothuria) fuscocinerea* Jäger

1833. *Holothuria fuscocinerea* Jäger, G. F. *De Holothuries*, : 22
1983. *Holothuria fuscocinerea* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92 South Andamans : Port Blair.
1995. *Holothuria (Mertensiothuria) fuscocinerea* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(1) : 62 South Andamans : Port Blair.

### 15. *Holothuria (Mertensiothuria) leucospilota* Brandt

1835. *Stichopus (Gymnochirota) leucospilota* : Brandt, J.F. *Prodromus descriptionis animalium ab H. Mertensio in orbis terrarum circumnavigatione observatorum*, **1** : 51
1887. *Holothuria vagabunda* : Bell, F. J. *Proc. zool. Soc. Lond.*, **1887** : 140 Andamans
1908. *Holothuria vagabunda* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 17 Andamans.
1969. *Holothuria leucospilota* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **7** : 62 Middle Andamans : Rangat; South Andamans : Port Blair.
1983. *Holothuria leucospilota* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93 South Andamans : Port Blair.
1983. *Holothuria (Mertensiothuria) leucospilota* : Soota, T. D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 511 North Andamans : Sound Island; Nicobars: Nancowry Harbour, Trinket Island.
1991. *Holothuria 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 South Andamans : Port Blair, Little Andaman Island.

*Material* : North Andamans : Sound Island, South Island; Middle Andamans : Rangat, Bakri Tikri (1 km from Long Island); South Andamans : Port Blair, Macpherson Strait,

MGMNP (Jolly Buoy Island), Little Andaman Island, Ritchie's Archipelago (Havelock and Neil Islands); Nicobars : Nancowry and Trinket Islands.

**16. *Holothuria (Mertensiothuria) pervicax* Selenka**

1867. *Holothuria pervicax* Selenka, E.Z. wiss. Zool., 17 : 327

1908. *Holothuria exilis* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 17 Andamans.

1983. *Holothuria pervicax* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 93 South Andamans : Port Blair.

1995. *Holothuria (Mertensiothuria) pervicax* : James, D.B. *J. Bombay nat. Hist. Soc.*, 92(1) : 61 South Andamans : Port Blair.

*Remarks* : James (1995 : 61) doubtfully referred *H. exilis* Koehler and Vaney to the synonymy of *H. pervicax* (*vide supra*).

16a. *Holothuria (Metriatyla) albiventer* Semper. The report of the species by James, (1983 *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 93) from South Andamans : Port Blair was based on wrong identification (recent personal communication from Dr. D.B. James).

**17. *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 : 144 Andamans.

1908. *Holothuria scabra* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 16 South Andamans : Ritchie's Archipelago (Inglis Island).

1983. *Holothuria scabra* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : South Andamans : Port Blair.

1983. *Holothuria (Metriatyla) scabra* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T. K. *Rec. zool. Surv. India*, 80 : 512 South Andamans : Port Blair.

1989. *Holothuria scabra*: James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 85 North Andamans : Diglipur; Middle Andamans : Mayabunder.

1991. *Holothuria (Metriatyla) scabra* : James, D.B. *J. Andaman Sci. Assoc.*, 7(2) : 23 South Andamans : Labyrinth Islands (MGMNP- Tarmugli Island)

1995. *Holothuria (Metriatyla) scabra* : James, D.B. *J. Bombay nat. Hist. Soc.*, 92(2) : 197 North Andamans : Diglipur; Middle Andamans : Rangat; South Andamans : Port Blair.

*Material* : South Andamans : Port Blair, North Bay (Port Blair), Chidyatapu, Ritchie's Archipelago (Inglis Island).

### 18. *Holothuria (Microthele) nobilis* (Selenka)

1867. *Muelleria nobilis* Selenka, E. Z. wiss. Zool., **17** : 313
1887. *Holothuria maculata* : Bell, F. J. Proc. zool. Soc. Lond., **1887** : 140 Andamans
1995. *Holothuria (Microthele) nobilis* : James, D.B. J. Bombay nat. Hist. Soc., **92**(2) : 199 South Andamans : Port Blair.

### 19. *Holothuria (Platyperona) difficilis* Semper

1868. *Holothuria difficilis* Semper, C. Reisen im Archipel der Philipp. 2. Wissenschaftliche Resultate, **92**
1908. *Holothuria difficilis* : Koehler, R. and Vaney, C. Echinoderma of the Indian Museum, Part IV : 6 Andamans.
1983. *Holothuria (Platyperona) difficilis* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T. K. Rec. zool. Surv. India, **80** : 512 Nicobars : Kamorta Island.

*Material* : Nicobars : Kamorta Island.

### 20. *Holothuria (Selenkothuria) erinaceus* Semper

1868. *Holothuria erinaceus* Semper, C. Reisen im Archipel der Philipp., 2. Wissenschaftliche Resultate, p. 91
1886. *Holothuria marenzelleri* : Theel, H. Rep. scient. Results Voy. 'Challenger' (Zool.), **39** : 207 Nicobars.
1983. *Holothuria erinaceus* : James, D.B. Bull. cent. mar. Fish. Res. Inst. No., **34** : 93 South Andamans : Port Blair.
1983. *Holothuria (Selenkothuria) erinaceus* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. Rec. zool. Surv. India, **80** : 512 North Andamans : Interview Island; South Andamans : Port Blair; Nicobars : Nancowry Island.
1983. *Holothuria (Selenkothuria) glaberrima* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, 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.

*Material* : North Andamans : Interview Island.; Middle Andamans : Mayabunder; South Andamans : Port Blair; Nicobars : Nancowry Island.

### 21. *Holothuria (Selenkothuria) moebii* Ludwig

1883. *Holothuria moebii* Ludwig, H. Ber. oberhess. Ges. Nat.-u. Heilk., **22** : 171
1908. *Holothuria lubrica* : Koehler, R. and Vaney, C. Echinoderma of the Indian Museum, Part IV : 10 Andamans [non : Selenka, 1867].

1983. *Holothuria moebii* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92 Andamans.

1995. *Holothuria (Selenkothuria) moebii* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(1) : 46

## 22. *Holothuria (Semperothuria) cinerascens* (Brandt)

1835. *Stichopus (Gymnochirota) cinerascens* Brandt, J.F. *prodromus descriptionis animalium a H. Mertensio in orbis terrarum circumnavigatione observatorum*, **1** : 51

1969. *Holothuria cinerascens* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **7** : 61 Middle Andamans: Rangat.

1983. *Holothuria (Semperothuria) cinerascens* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 513 Andamans; South Andamans : Rutland Island.

1995. *Holothuria (Semperothuria) cinerascens* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(1) : 48

1995. *Holothuria (Semperothuria) cinerascens* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(1) : 201 [Lakshadweep; West Coast; East Coast; A & N Islands].

*Material* : South Andamans : Port Blair, Rutland Island, Ritchie's Archipelago (Neil Island); Nicobars : Car Nicobar and Kamorta Islands.

## 23. *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.

1983. *Holothuria prompta* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93 Andamans.

## 24. *Holothuria (Thymiosycia) arenicola* Semper

1868. *Holothuria arenicola* Semper, C. *Reisen im Archipel der Philippinen. 2. Wissenschaftliche Resultate*, p. 81

1908. *Holothuria maculata* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 11 North Andamans.

1969. *Holothuria arenicola* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **7** : 61 South Andamans : Port Blair.

1983. *Holothuria arenicola* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93 South Andamans : Port Blair.

1983. *Holothuria (Thymiosycia) arenicola* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 514 South Andamans : Ritchie's Archipelago (Neil Island); Nicobars : Kamorta Island [St. 669 is Kamorta Island].

1995. *Holothuria (Thymiosycia) arenicola* : James, D.B. *J. Bombay nat. Hist. Soc.*, **92**(1) : 57 South Andamans : Port Blair.

*Material* : South Andamans : Port Blair, Ritchie's Archipelago (Neil Island); Nicobars : Car Nicobar, Kamorta.

### 25. *Holothuria (Thymiosycia) gracilis* Semper

1868. *Holothuria gracilis* Semper, C. *Reisen im Archipel der Philippinen*. 2. Wissenschaftliche Resultate, p. 84

1984. *Holothuria (Thymiosycia) gracilis* : Liao, Y. *Studia Marina Sinica*, No., 23 : 231

*Material* : Andamans; South Andamans : Port Blair.

### 26. *Holothuria (Thymiosycia) hilla* Lesson

1830. *Holothuria hilla* Lesson, R. P. *Centurie zoologique ou choix d'animaux rares, nouveaux rares, ou nouveaux ou imparfaitement connues*, 266

1887. *Holothuria monocaria* : Bell, F. J. *Proc. zool. Soc. Lond.*, 1887 : 140 Andamans

1908. *Holothuria monocaria* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 11 Andamans.

1969. *Holothuria hilla* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 7 : 62 Middle Andamans : Rangat; South Andamans : Port Blair.

1983. *Holothuria hilla* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.* No. 34: 93 South Andamans : Port Blair.

1983. *Holothuria (Thymiosycia) hilla* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T. K. *Rec. zool. Surv. India*, 80 : 519 [Andaman & Nicobar Islands].

1991. *Holothuria (Thymiosycia) hilla* : James, D.B. *J. Andaman Sci. Assoc.*, 7(2) : 23 South Andamans : Labyrinth Islands (MGMNP- Jolly Buoy Island)

1995. *Holothuria (Thymiosycia) hilla* : James, D.B. *J. Bombay nat. Hist. Soc.*, 92(1) : 59 South Andamans : Port Blair.

*Material* : South Andamans : Port Blair, Chidyatapu, Little Andaman Island; Nicobars : Trinket Island.

### 27. *Holothuria (Thymiosycia) impatiens* Forskål

1775. *Fistularia impatiens* Forskaal, P. *Descriptiones animalium quae in itinere orientali observavit P. Forskaal*, p. 121

1887. *Holothuria impatiens* : Bell, F. J. *Proc. zool. Soc. Lond.*, 1887 : 140 Andamans.

1908. *Holothuria impatiens* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 8 Andamans; South Andamans: Port Blair, Ritchie's Archipelago (Inglis Island).

1969. *Holothuria impatiens* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 7 : 61 South Andamans : Port Blair.
1969. *Holothuria impatiens* var. *bicolor*: James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 7 : 61 South Andamans : Port Blair.
1983. *Holothuria impatiens* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 92 South Andamans : Port Blair.
1983. *Holothuria (Thymiosycia) impatiens* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, 80 : 514 North Andamans: Curlew and Sound Islands; South Andamans: Port Blair, Ritchie's Archipelago (Havelock Island); Nicobars: Kamorta, Katchal and Trinket Islands [St. 669. Kamorta Island; St. 655. Maldives; St. 28. collection of A.G.K. Menon, Curlew Island, North Andamans; Jones and Mitchel Points, Sound Island, North 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 South Andamans : Port Blair.

*Material* : North Andamans : Curlew Island, Sound Island; Middle Andamans : Long Island; South Andamans : Port Blair; Ritchie's Archipelago (Havelock, Inglis and Neil Islands, RJMNP- Henry Lawrence Island); Nicobars : Kamorta, Katchal and Trinket Islands.

## 28. *Holothuria (Thymiosycia) remollescens* Lampert

1908. *Holothuria remollescens*: Koehler, R. and Vaney, C.V. *Echinoderma of the Indian Museum*, Part IV : 15 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).

*Remarks* : 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 and Vaney (1908) from Great Coco Island is to be considered as from Andamans, but not from India.

## 29. *Holothuria rugosa* Ludwig

1969. *Holothuria rugosa* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 7 : 61 South Andamans : Port Blair.

## Family LABIDODEMATIDAE

## 30. *Labidodemas rugosum* (Ludwig)

1875. *Holothuria rugosa* Ludwig, *Arb. zool. zoot. Inst. Wurzburg.*, 2(2) : 110

1908. *Holothuria rugosa* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 15 Andamans.
1969. *Labidodemas rugosum* : James, D.B. *Bull. cent. mar. Fish Res. Inst.*, 7 : 61 South Andamans : Port Blair.
1983. *Labidodemas rugosum* : James, D.B. *Bull. cent. mar. Fish Res. Inst.*, 34 : 92 South Andamans : Port Blair.
1987. *Labidodemas rugosum* : James, D.B. *J. mar. biol. Ass. India*, 23 : 83 (1981)- South Andamans : Port Blair.

*Material* : North Andamans : South Reef Island; South Andamans : Port Blair; Nicobars : Great Nicobar Island.

### 31. *Labidodemas semperianum* Selenka

1908. *Labidodemas semperianum* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 21 Andamans.

### Family STICHOPODIDAE

31a. *Apostichopus japonicus* Selenka. The report of the species by James (1969, *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 61) from Nicobars : Nancowry Island was based on wrong identification (recent personal communication from Dr. D.B. James).

### 32. *Stichopus chloronotus* Brandt

1835. *Stichopus (Perideris) chloronotus* Brandt, J. F. *Prodromus descriptionis animalium ab H. Mertensio in orbis terrarum circumnavigatione observatorum*, 1 : 50
1908. *Stichopus chloronotus*: Koehler, R. and Vaney, C. V. *Echinoderma of the Indian Museum*, Part IV: 23 Andamans; South Andamans : Port Blair
1969. *Stichopus chloronotus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 7 : 61 Nicobars: Nancowry Island
1983. *Stichopus chloronotus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 92 South Andamans : Port Blair.
1983. *Stichopus chloronotus* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, 80 : 515 Andamans; North Andamans : Sound Island; South Andamans : Ross Island, Ritchie's Archipelago (Havelock and Neil Islands; Nicobars : Car Nicobar and Great Nicobar Islands).
1991. *Stichopus chloronotus* : James, D.B. *J. Andaman Sci. Assoc.* 7(2) : 23 South Andamans: Labyrinth Islands (MGMNP- Jolly Buoy, Malay and Redskin Islands).

*Material* : North Andamans : Sound Island; South Andamans : Port Blair, Ross Island, Wandoor, Port Monatt- surf line [As per Station List of R. I. M. S. *Investigator* Port

Monatt is St. 9. 13 miles S by W of North Sentinel Island, 238-457m (130-250 fms)], Rutland Island, Ritchie's Archipelago (Havelock and Neil Islands, MGMNP- Alexandra, Jolly Buoy and Redskin Islands); Nicobars : Car Nicobar, Kamorta, Nancowry and Great Nicobar Islands.

### 33. *Stichopus herrmanni* Semper

1868. *Stichopus variegatus herrmanni* Semper, C. *Holothurien. Reisen in Archipel der Philippinen*. 2. Wissenschaftlich Resultate : 73
1908. *Stichopus variegatus* : Koehler, R. and Vaney, C. V. *Echinoderma of the Indian Museum*, Part IV : 23 South Andamans: Ritchie's Archipelago (Inglis Island).
1969. *Stichopus variegatus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 7 : 61 South Andamans : Port Blair.
1983. *Stichopus variegatus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 92 South Andamans : Port Blair.
1983. *Stichopus herrmanni* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 92 South Andamans : Port Blair.
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

*Material* : South Andamans : Port Blair, Ritchie's Archipelago (Inglis Island); Nicobars : Trinket Island.

### 34. *Stichopus horrens* Selenka

1867. *Stichopus horrens* Selenka, E.Z. *wiss. Zool.*, 17 : 316
1983. *Stichopus horrens* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, 80 : 516 North Andamans: Ross Island; Nicobars : Nancowry Harbour
1995. *Stichopus horrens* : Rowe, F. W. E. and Gates, J. *Zoological Catalogue of Australia*, 33 : 324.

*Material* : South Andamans : Ross Island; Nicobars : Nancowry.

### 35. *Stichopus vastus* Sluiter

1888. *Stichopus vastus* Sluiter, C.P. *Naturk. Tijdschr. Ned. Indie.*, 47 :
1991. *Stichopus* sp. James, D.B. *J. Andaman Sci. Assoc.*, 7(2) : South Andamans : MGMNP (Redskin Island).
1998. *Stichopus vastus* : James, D.B. *Mar. Fish. Inf. Serv., T & E Ser. No.*, 158 : 13 South Andamans (Wandoor).

*Material* : Andamans; Nicobars.

*Remarks* : James (1998) while reporting the species does not make any mention of *Stichopus* sp. reported by him from Andamans (James, 1991) 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 of *Stichopus* sp. (James, 1991) is of *Stichopus vastus*. Hence it is included here.

#### Family SYNALLACTIDAE

##### 36. *Allopatides dendroides* Koehler, R. and Vaney, C.

1905. *Allopatides dendroides* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 49 East of South Andamans.
1983. *Allopatides dendroides* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, 80 : 520 [Andaman and Nicobar Islands].

##### 37. *Bathyplores cinctus* Koehler, R. and Vaney, C.

1983. *Bathyplores cinctus* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, 80 : 520 [Andaman and Nicobar Islands].

##### 38. *Bathyplores crenulatus* Koehler, R. and Vaney, C.

1905. *Bathyplores crenulatus* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 23 St. 222. Off North Andamans, 13° 27' N 93° 14' 30" E, 740m (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].

##### 39. *Bathyplores profundus* Koehler, R. and Vaney, C.

1905. *Bathyplores profundus* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 22 West of North Andamans.
1983. *Bathyplores profundus* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, 80 : 520.

##### 40. *Benthothuria cristatus* Koehler, R. and Vaney, C.

1905. *Benthothuria cristatus* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 42 West of Nicobars.
1983. *Benthothuria cristatus* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, 80 : 520

##### 41. *Pelopatides dissidens* Koehler, R. and Vaney, C.

1983. *Pelopatides dissidens* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, 80 : 520 [Andaman and Nicobar Islands].

**42. *Pelopatides gelatinosus* (Walsh)**

1891. *Benthodytes gelatinosa* Walsh, *J. Asiat. Soc. Bengal*, LX(part II) : 200
1905. *Pelopatides gelatinosus* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 30 North Andamans; St. 222. East of North Andamans, 13° 27' N 93° 14' 30" E, 741m (405 fms); St. 115. South Andamans : Off Little Andaman, 11° 31' 40" N 92° 46' 40" E, 344-402m (188-220 fms); 7 ½ miles east of Cinque Islands, 896m (490 fms).
1983. *Pelopatides gelatinosus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 93 Andamans.

**43. *Pelopatides modestus* Koehler, R. and Vaney, C.**

1905. *Pelopatides modestus* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 37 East of North Andamans.
1983. *Pelopatides modestus* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, 80 : 520 [Andaman and Nicobar Islands].

**44. *Pelopatides mollis* Koehler, R. and Vaney, C.**

1905. *Pelopatides mollis* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 34 Andamans; South Andamans : SW of Ross Island, East of South Andamans.
1983. *Pelopatides mollis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 93 Andamans.

**45. *Pelopatides ovalis* (Walsh)**

1891. *Benthodytes ovalis* Walsh, *J. Asiat. Soc. Bengal* (Part II) : 200
1905. *Pelopatides ovalis* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 35 Andamans.
1983. *Pelopatides ovalis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 93 Andamans.

**46. *Pelopatides verrucosus* Koehler, R. and Vaney, C.**

1905. *Pelopatides verrucosus* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 33 East of North Andamans.
1983. *Pelopatides verrucosus* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, 80 : 520

**47. *Pseudostichopus occultatus* var. *plicatus* Koehler, R. and Vaney, C.**

1905. *Pseudostichopus occultatus* von Marenzeller var. *plicatus* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 10 West of South Andamans.

#### 48. *Synallactes rigidus* Koehler, R. and Vaney, C.

1905. *Synallactes rigidus* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 17 10-degree Channel between Andamans and Nicobars (SW of Little Andaman Island and NW of Car Nicobar Island).
1983. *Synallactes rigidus* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 520 [Andaman and Nicobar Islands].

#### 49. *Synallactes woodmasoni* (Walsh)

1891. *Pannychia woodmasoni* Walsh, *J. Asiat. Soc. Bengal*, LX(Part II) : 198
1905. *Synallactes woodmasoni* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 14 Andamans; East of Middle Andamans; South Andamans : Off Ross Island.
1983. *Synallactes woodmasoni* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93 Andamans.

### Order DENDROCHIROTIDA

#### Family CUCUMARIIDAE

#### 50. *Aslia forbesi* (Bell)

*Material* : South Andamans : Ritchie's Archipelago (Havelock Island)

#### 51. *Cladolabes acicula* Koehler, R. and Vaney, C.

1983. *Cladolabes acicula* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 520 [Andaman and Nicobar Islands].

#### 52. *Havelockia versicolor* (Semper)

1868. *Thyone versicolor* Semper, C. *Holothurien. Reisen im Archipel der Philippinen*. 2. Wissenschaftliche Resultate, p. 14
1983. *Havelockia herdmani* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92 Andamans.
1987. *Havelockia versicolor* : James, D.B. *J. mar. biol. Ass. India*, **26** : 116 (1984)

#### 53. *Leptopentacta bacilliformis* (Koehler, R. and Vaney, C.)

1908. *Cucumaria bacilliformis* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 34 Andamans.
1983. *Cucumaria bacilliformis* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 92 Andamans.
1983. *Leptopentacta bacilliformis* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 520 [Andaman and Nicobar Islands].

**54. *Thyone dura* Koehler, R. and Vaney, C.**

1908. *Thyone dura* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 40 St. 189. Gujarat : SW of Saurashtra Coast 20° 37' 15" N 69° 24' 20" E, 80m (44 fms).
1983. *Thyone dura* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : Andamans.

**55. *Trachythyone alcocki* (Koehler, R. and Vaney, C)**

1908. *Cucumaria alcocki* Koehler, R. and Vaney, C.V. *Echinoderma of the Indian Museum*, Part IV : 29 Andamans.
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 Samanta, T.K. *Rec. zool. Surv. India*, **80** : 520 [Andaman and Nicobar Islands].

**Family PHYLLOPHORIDAE**

**56. *Actinocucumis typicus* Ludwig**

1875. *Actinocucumis typicus* Ludwig, H. *Arb. zool.-zoot. Inst. Wirzberg*, **2(2)** : 91
1985. *Actinocucumis typicus* : James, D.B. *Recent Advances in Marine Biology* : 586 [Andaman and Nicobar Islands].

**57. *Afroccucumis africana* (Semper)**

1868. *Cucumaria africana* Semper, C. *Holothurien. Reisen im Archipel der Philippinen*. 2. Wissenschaftliche Resultate, p. 153
1969. *Afroccucumis africana* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, **7** : 60 South Andamans : Port Blair.
1983. *Afroccucumis africana* : James, D.B. *Bull. cent. Mar. Fish. Res. Inst. No.*, **34** : 92 South Andamans : Port Blair.
1987. *Afroccucumis africana* : James, D.B. *J. mar. biol. Ass. India*, **26** : 118 (1984) South Andamans : Port Blair.

*Material* : Andamans; North Andamans : Sound Island; South Andamans : Port Blair, Rangachang, Little Andaman Island, Ritchie's Archipelago (Havelock and Neil Islands); Nicobars : Trinket Island.

**58. *Phyllophorus celer* Koehler, R. and Vaney, C.**

1908. *Phyllophorus celer* *Phyllophorus celer* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part IV : 27 Off Maharashtra.

*Material* : Nicobars : Katchal.

**59. *Phyrella fragilis* (Ohshima)**

1912. *Phyllophorus fragilis* Ohshima, H. *Annotnes zool. jap.*, 8(1) : 81
1983. *Phyrella fragilis* : James, D.B. *Bull. cent. mar. Fish Res. Inst.*, 34 : 92 South Andamans : Port Blair
1987. *Phyrella fragilis* : James, D.B. *J. mar. biol. Ass. India*, 26 : 119 (1984)

**60. *Pseudocucumis acicula* (Semper)**

1983. *Pseudocucumis acicula* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, 34 : 92 Andamans.

**Order DACTYLOCHIROTIDA****Family YPSILOTHURIDAE****61. *Ypsilothuria bitentaculata* (Ludwig)**

1894. *Sphaerothuria bitentaculata* Ludwig, H. *Mem. Mus. comp. Zool. Harv.*, XVII (no. 3) : 141
1905. *Ypsilothuria bitentaculata* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 86 St. 234. NE of North Andamans; St. 113. East of North Andamans; St. 254. East of South Andamans; St. 241. 10-degree channel between Little Andaman and Car Nicobar Islands.
1983. *Ypsilothuria bitentaculata* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, 80 : 520

**Order ELASIPODIDA****Family DEIMATIDAE****62. *Amphideima investigatoris* Koehler, R. and Vaney, C.**

1891. *Oneirophanta mutabilis* : Walsh, J. *Asiat. Soc. Bengal*, (Part II) : 197 [non : Theel].
1905. *Amphideima investigatoris* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 59 Andamans.

**63. *Deima blakei* Theel**

1886. *Deima blakei* Theel, H. *Bull. Mus. comp. Zool. Harv.*, XIII : Pl. I, fig. 1, 2
1905. *Deima blakei* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 55 East of South Andamans.

**64. *Deima validum* Theel**

1983. *Deima validum* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, 80 : 522 [Andaman and Nicobar Islands].

**65. *Ophnurgus glaber* Walsh**

1891. *Ophnurgus asper* var. *glaber* Walsh, *J. Asiat. Soc. Bengal*, (part II) : 198
1905. *Ophnurgus glaber* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 60 Bay of Bengal.
1983. *Ophnurgus glaber* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, 80 : 522 [Andaman and Nicobar Islands].

**Family LAETMOGONIDAE****66. *Apodogaster alcocki* Walsh**

1901. *Apodogaster alcocki* Walsh *J. Asiat. Soc. Bengal*, LX(part II) : 202
1905. *Apodogaster alcocki* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 66 Off North Andamans.
1983. *Apodogaster alcocki* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, 80 : 521

**Family PSYCHROPOTIDAE****67. *Benthodytes typica* Theel**

1983. *Benthodytes typica* (sic!) : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, 80 : 520 [Andaman and Nicobar Islands].

**68. *Benthodytes glutinosa* Perier**

1891. *Benthodytes sanguinolenta* : Walsh *J. Asiat. Soc. Bengal*, LX(part II) : 200 [non : Theel]
1891. *Benthodytes papillifera* : Walsh *J. Asiat. Soc. Bengal*, LX(part II) : 200 [non : Theel]
1902. *Benthodytes glutinosa* Perrier, R. *Holothuries Expedit. Scient. Du "Travailleur" et du "Talisman"* : 462
1905. *Benthodytes glutinosa* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 72 Off West Coast of North Andamans.
1983. *Benthodytes sanguinolenta* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, 80 : 520

**69. *Filithuria elegans* Koehler, R. and Vaney, C.**

1905. *Filithuria elegans* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 81 East of South Andamans.
1983. *Filithuria elegans* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, 80 : 522

## Family PELAGOTHURIIDAE

70. *Euriplastes obscura* Koehler, R. and Vaney, C.

1905. *Filithuria elegans* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 81 East of South Andamans.
1983. *Euriplastes obscura* *Euriplastes obscura* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, 80 : 522 [Andaman and Nicobar Islands].

## Order APODIDA

## Family SYNAPTIDAE

71. *Leptosynapta* sp.

1988. *Leptosynapta* sp. Rao, G. C. *J. Andaman Sci. Assoc.*, 4(2) : 97 Nicobars : Great Nicobar Island.

72. *Ophiodesoma grisea* (Semper)

1868. *Synapta grisea* Semper, C. *Reisen im Archipel der Philippinen*. 2. Wissenschaftliche Resultate, p. 11
1969. *Ophiodesoma grisea* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 7 : 62 Middle Andamans : Rangat; Nicobars : Car Nicobar and Nancowry Islands.
1983. *Ophiodesoma grisea* : James, D.B. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 93- South Andamans : Port Blair.
1987. *Ophiodesoma grisea* : James, D.B. *J. mar. biol. Ass. India*, 24 : 97 (1982) South Andamans : Port Blair; Nicobars : Nancowry Island.

*Material* : Middle Andamans : Rangat; South Andamans : Port Blair; Nicobars : Car Nicobar, Nancowry.

73. *Patinapta ooplax* (von Marenzeller)

1881. *Synapta ooplax* Marenzeller, E. von, *Verh. zool. bot. Ges. Wien*, 31 : 122
1973. *Patinapta ooplax* : Rao, G. C. *Proc. Indian Sci. Acad. 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.
1987. *Patinapta ooplax* : James, D.B. *J. mar. biol. Ass. India*, 24 : 99 (1982) South Andamans : Port Blair.

74. *Protankyra errata* Koehler, R. and Vaney, C.

1905. *Protankyra errata* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 106 Andamans.

1983. *Protankyra errata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93 Andamans.

**75. *Protankyra innominata* Ludwig**

1908. *Protankyra innominata* : Koehler, R. and Vaney, C. V. *Echinoderma of the Indian Museum*, Part IV : 46 Andamans.

1983. *Protankyra innominata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : Andamans.

**76. *Protankyra timida* Koehler, R. and Vaney, C.**

1905. *Protankyra timida* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part III : 108 Andaman; St. 112. Off North Andaman.

1983. *Protankyra timida* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93 Andamans.

**77. *Synapta maculata* (Chamisso and Eysenhardt)**

1821. *Holothuria maculata* Chamisso, A. de and Eysenhardt, C.G. *Nova Acta Acad. Caesae. Leop. Carol.*, **10** : 325

1908. *Chondrocloea beselii* : Koehler, R. and Vaney, C.V. *Echinoderma of the Indian Museum*, Part IV : 46 Andamans; South Andamans : Ritchie's Archipelago (Inglis Island).

1969. *Synapta maculata* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **7** : 62 South Andamans : Port Blair.

1983. *Synapta maculata* : James, D.B. *Bull. cent. mar. Fish Res. Inst. No.*, **34** : 93 South Andamans : Port Blair.

1983. *Synapta maculata* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 517 Andamans; North Andamans : Sound Island; South Andamans : Port Blair; Nicobars : Car Nicobar Island.

1987. *Synapta maculata* : James, D.B. *J. mar. biol. Ass. India*, **24** : 99 (1982) South Andamans : Port Blair.

1991. *Synapta maculata* : James, D.B. *J. Andaman Sci. Assoc.* **7**(2) : 24 South Andamans : MGMNP (Alexandra and Jolly Buoy Islands).

**Material** : North Andamans : Sound Island; South Andamans : Port Blair, Chidyatapu, MGMNP (Jolly Buoy and Alexandra Islands), Ritchie's Archipelago (Inglis Island); Nicobars : Car Nicobar, Kamorta.

**78. *Synaptula recta* (Semper)**

1868. *Synapta recta* Semper, C. *Reisen im Archipel der Philippinen*. 2. Wissenschaftliche Resultate, p. 14

1983. *Synaptula recta* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 517 South Andamans : Port Blair.

**Material** : South Andamans : Port Blair; Nicobars : Kamorta Island.

### 79. *Synaptula striata* (Sluiter)

1888. *Synapta striata* Sluiter, C. P. *Naturk. Tijdschr. Ned. Indie*, **47** : 216

1987. *Synaptula striata* : James, D.B. *J. mar. biol. Ass. India*, **24** : 102 (1982) Tamil Nadu : Gulf of Mannar (Tuticorin).

*Material* : Nicobars : Kamorta Island.

### Family CHIRIDOTIDAE

### 80. *Polycheira rufescens* (Brandt)

1835. *Chiridota rufescens* Brandt, J. F. *Prodromus descriptionis animalium ab H. Mertensio in orbis terrarum circumnavigatione observatorum*, **1** : 59

1887. *Chiridota 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 South Andamans : Port Blair; Middle Andamans : Rangat

1983. *Polycheira rufescens* : James, D.B. *Bull. cent. mar. Fish Res. Inst. No.*, **34** : 93 South Andamans : Port Blair.

1983. *Polycheira rufescens* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 518 North Andamans : Port Cornwallis, Sound Island; South Andamans : Port Blair, Chidyatapu, Ross Island; Nicobars : Nancowry [St. 615. Nancowry Island, Nicobars].

1987. *Polycheira rufescens* : James, D.B. *J. mar. biol. Ass. India*, **24** : 93 (1982) Middle Andaman : Rangat; South Andamans : Port Blair; Nicobars : Great Nicobar Island.

*Material* : North Andamans : Port Cornwallis, Sound Island; Middle Andamans : Long Island; South Andamans : Port Blair, Ross Island, Wandoor, Chidyatapu, Macpherson Strait; Nicobars : Kamorta, Nancowry, Trinket and Great Nicobar Islands.

### 81. *Trochodota havelockensis* Rao, G.C.

1975. *Trochodota havelockensis* Rao, G.C. *Curr. Sci.*, **44**(14) : 508 South Andamans : Ritchie's Archipelago (Havelock Island).

### Family MYRIOTRICHIDAE

### 82. *Ankyloderma brevicaudatum* Koehler, R. and Vaney, C.

1905. *Ankyloderma brevicaudatum* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 99 St. 233. East of Middle Andamans, 13° 17' 15" N 93° 10' E 338m (185 fms).

1983. *Molpadia brevicaudatum* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 521

**83. *Ankyloiderma danielssenii* Theel**

1983. *Ankyloiderma danielssenii* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93 Andamans.

**84. *Ankyloiderma musculus* (Risso)**

1826. *Molpadia musculus* Risso, *Histoire naturelle des principales productions de l'Europe meridionale et particulierelement de celles des environs de Nice et des Alpes maritimes*, **V** : 31
1905. *Ankyloiderma musculus* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 95 Andamans, 485m (265 fms); St. 234. East of North Andamans, 13° 50' 30" N 93° 26' E 911m (498 fms); St. 254. East of South Andamans, 11° 16' 30" N 92° 58' E, 1223m (669 fms).
1905. *Ankyloiderma musculus* var. *ocutum* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 97 St. 254. East of South Andamans, 11° 16' 30" N 92° 58' E, 1223m (669 fms).
1905. *Ankyloiderma musculus* var. *undulatum* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 99 St. 233. East of Middle Andamans, 13° 17' 15" N 93° 10' E, 338m (185 fms).
1983. *Molpadia musculus* Risso : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 521
1983. *Molpadia musculus* var. *ocutum* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 521
1983. *Molpadia musculus* var. *undulatum* : Soota, T. D., Mukhopadhyay, S. K. and Samanta, T. K. *Rec. zool. Surv. India*, **80** : 521
1983. *Ankyloiderma musculus* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93 Andamans.

**85. *Trochostoma andamanense* Walsh**

1891. *Trochostoma andamanense* Walsh, *J. Asiat. Soc. Beng.*, **LX**(part II) : 203
1905. *Trochostoma andamanense* : Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 90 Andamans; St. 234. and St. 235. East of North Andaman; St. 222. and St. 233. East of Middle Andamans.
1983. *Trochostoma andamanense* : James, D.B. *Bull. cent. mar. Fish. Res. Inst. No.*, **34** : 93 Andamans.

**86. *Trochostoma elongatum* Koehler, R. and Vaney, C.**

1905. *Trochostoma elongatum* Koehler, R. and Vaney, C. *Echinoderma of the Indian Museum*, Part **III** : 92 St. 114. East of North Andamans.
1983. *Molpadia elongatum* : Soota, T.D., Mukhopadhyay, S.K. and Samanta, T.K. *Rec. zool. Surv. India*, **80** : 521

## Order MOLPADIIDA

## Family CAUDINIDAE

87. *Acaudina molpadioides* (Semper)

1868. *Haplodactyla molpadioides* Semper, C. *Reisen im Archipel der Philippinen*, 2 : 41
1887. *Haplodactyla andamanensis* Bell, F.J. *Proc. zool. Soc. Lond.* 1887 : 143 Andamans.
1908. *Acaudina molpadioides* : Koehler, R. and Vaney, C.V. *Echinoderma of the Indian Museum*, Part IV : 44 Nicobars.

88. *Paracaudina australis* (Semper)

1908. *Haplodactyla australis* : Koehler, R. and Vaney, C.V. *Echinoderma of the Indian Museum*, Part IV : 44 West Bengal : Mouth of Hughli River; Andamans; South Andamans : Port Blair.
1983. *Paracaudina australis* : Soota, T. D., Mukhopadhyay, S. K. and Samanta, T. K. *Rec. zool. Surv. India*, 80 : 521.

## GENERAL OBSERVATIONS

Andaman and Nicobar Islands located in the Bay of Bengal have clear and unpolluted blue waters all around. The coast is fringed with coral reefs abounding in biodiversity. In addition, the coastline provides other varied habitats such as rocks, sand, mud, mangroves *etc.* All these factors have encouraged a rich settlement of echinoderms in the coastal and offshore habitats of these Islands. As a result, the echinoderm fauna of these Islands is around half that of the entire Indian coast (425 against about 800 species), though the coastline of these islands is only one-fourth and the Exclusive Economic Zone only one-fifth of the Indian subcontinent. This may be due to the dredgings made around Andaman and Nicobar Islands by the R. I. M. S. *Investigator* and other vessels and also due to the intensive collections made around Port Blair during subsequent surveys by the Zoological Survey of India and by Dr. D.B. James. These included 50 species of Crinoidea, 104 species of Asteroidea, 103 species of Ophiuroidea, 80 species of Echinoidea and 88 species of Holothuroidea. Appendix- 1 summarises the diversity and of the species in the Andaman and Nicobar Islands and those commonly occurring in both the groups of the Archipelago. This Appendix is particularly meant to help easy compilation of lists separately for the two groups of islands, which have importance for the local organizations. The occurrence of different classes of echinoderms in percentage of the total number of echinoderm species is as follows.

Among the five classes, the Crinoidea has the lowest diversity in these Islands constituting only 12% of echinoderms. The other four classes are nearly equally represented by 19-24%. In general, the diversity of crinoids itself is low compared to members of the other classes. In addition, difficulty in preserving in a good condition

seems to be another factor that leads to low percentage of identification of the collected material. The abundance of different extant classes of Echinodermata in the Andaman and Nicobar Islands can be taken to be proportionate to their relative diversity with respect to the world diversity.

The crinoid family Comasteridae is represented by the maximum number of species (18) while all the other families are represented by six or fewer species, mostly one to three species only. Incidentally, Comasteridae is also the largest family. At the generic level, no genus is predominantly represented- the maximum number being four species. The deep-sea component is of three species only, two off the Andamans and one off the Nicobars.

Among the asteroid, Ophiasteridae showed a maximum presence of 21 species followed by Goniasteridae (15 species), Astropectinidae (13 species) and Asterinidae (10 species). However, the genus *Astropecten* of Astropectinidae has a maximum representation of seven species followed by *Luidia* (Luidiidae), *Fromia* and *Tamaria* (both of Ophiasteridae) with four species each.

Among the ophiuroids, the families Ophiuridae and Ophiothricidae are equally high with 23 species each, followed by Ophiocomidae and Amphiuridae with 12 species each and Ophiacanthidae with 10 species. The other families are represented by six or fewer species. Between the families Ophiuridae and Ophiothricidae with maximum number of species, the genus *Ophiothrix* represented by 11 species followed by *Macrophiothrix* with seven species belong to Ophiothricidae. The genus *Ophiocoma* (Ophiocomidae) also has its presence with seven species followed by *Amphioplus* (Amphiuridae) with six species. All other genera have a maximum of five species.

The echinoid families Cidariidae and Temnopleuridae make their presence with 11 species each, followed by Laganidae with nine species and the other families from one to seven species. Surprisingly, only the genus *Laganum* (Laganidae) has a maximum representation of five species followed by *Peronella* of the same family with four species. All others have three or fewer number of species in these islands.

The holothurian family Holothuriidae has the maximum representation among all the echinoderms with 29 species followed by Synallactidae with 14 species and the others one to nine species. At generic level, the genus *Holothuria* (Holothuriidae) has maximum representation of 23 species followed by *Pelopatides* (Synallactidae) with six species. Others are represented by a maximum of four species.

There is higher diversity in the Echinoidea at family level with maximum of 23 families with only 79 species against 13 families with 103 species of Ophiuroidea and 15 families with 90 species of Holothuroidea. Further there are also monotypic families and genera. This probably explains the low number of species for the families and genera.

The relative abundance in the Andaman or Nicobar groups only and abundance common to both groups is somewhat skewed. The abundance in terms of number of species in the Andamans, Nicobars and common to both the groups of islands is given in Table 1.

**Table 1.** Number of species of each class in the Andaman and Nicobar Islands

| Class         | No. of species<br>Andaman Is | Nicobar Is | A & N Is  | Total      |
|---------------|------------------------------|------------|-----------|------------|
| Crinoidea     | 35                           | 7          | 8         | 50         |
| Asteroidea    | 78                           | 7          | 19        | 104        |
| Ophiuroidea   | 70                           | 9          | 24        | 103        |
| Echinoidea    | 56                           | 4          | 20        | 80         |
| Holothuroidea | 56                           | 4          | 28        | 88         |
| <b>Total</b>  | <b>295</b>                   | <b>3</b>   | <b>99</b> | <b>425</b> |
| Percentage    | 69.4%                        | 7.3%       | 23.3%     | 100%       |

The apparently great abundance in the echinoderm fauna in the Andaman Islands is probably not due to uninhabitable biotic and/or abiotic environment of the Nicobar Islands, since the Nicobars provide relatively undisturbed and healthier reefs and other habitats compared to the much-populated Andamans. The Nicobar group has only a land area of 1841 sq. km. compared to 6408 sq. km. of Andamans and a shelf area of 728 sq. km. up to 200m, as against 15,328 sq. km. of Andamans. Further the Andamans consist of 325 small and big islands while there are only 24 islands. This accounts for longer coastline and greater extent and diversity of habitats resulting in greater diversity of the fauna to some extent. The other factor appears to be less intense survey of Nicobar group because of relatively less accessibility because of uncertainty and inconvenience in respect of transport, accommodation *etc.*

Sastry (2002) reported the reef associated echinoderms, their inter-relationships and mutual impacts. The diversity of echinoderms in the coral reef habitats of Andaman and Nicobar Islands is shown Table 2.

A total of 224 species were estimated to be associated with the coral reef habitats of these Islands. In the reef habitats Ophiuroidea is represented by highest number of species (64 species) while the others have lower but nearly equal presence (32-48 species). As for the relative abundance in the reef habitats, Crinoidea and Ophiuroidea are present in higher percentage (64% and 62% respectively) of their diversity in the Islands while the figures for the three others are 46% (Asteroidea), 49% (Echinoidea) and 45% (Holothuroidea).

**Table 2.** Echinoderm fauna associated with coral reef habitats of Andaman and Nicobar Islands

| <b>Class</b>  | <b>Total No. of species associated with corals</b> | <b>No. of species</b> | <b>Percentage</b> |
|---------------|----------------------------------------------------|-----------------------|-------------------|
| Crinoidea     | 50                                                 | 32                    | 64                |
| Asteroidea    | 104                                                | 48                    | 46                |
| Ophiuroidea   | 103                                                | 64                    | 62                |
| Echinoidea    | 79                                                 | 39                    | 49                |
| Holothuroidea | 91                                                 | 41                    | 45                |
| <b>Total</b>  | <b>427</b>                                         | <b>224</b>            | <b>52</b>         |

Though the average percentage representation in the reef habitats is 52%, the diversity is more for the reef-associated ophiuroids (64 spp.), while crinoids and ophiuroids are present in equal percentage (64 and 62% respectively of their diversity). Both crinoids and ophiuroids have preferred and congenial niches in the reefs and life habits suited to the reef ecosystems. These feed suspended food to be collected by the mucus secreted by the arms. The crinoids require open substratum with protection from high wave action but with moderate water circulation for this purpose. The ophiuroids can hide their discs in small crevices or under dead bases, and wave their arms with serpentine movements to collect the food. Asteroids on the other hand are carnivorous or surface film scrapers. The algal growth on very healthy reefs is under control with the result a large population or diversity of herbivorous echinoids on healthy reefs is limited. The other echinoids and holothurians are substrate feeders. The soft substratum with organic matter is associated with the reefs only to a limited extent. Thus the crinoids and ophiuroids are represented by a larger percentage of species in the reef habitats.

From time to time, several workers, particularly Clark and Rowe (1971 for the Indo-West Pacific shallow-water species) and James (1986a for the Indian species) gave detailed and comparative accounts of distribution of Indian echinoderms in the Indo-West Pacific region and neighboring areas of India. James, (1987f) has also dealt with the ecology of intertidal echinoderms of the Indian Seas. The echinoderms of Andaman and Nicobar Islands are the element of the Indo-West Pacific Warm-Water Shelf Fauna with a wide distribution from Red Sea and East Coast of South Africa to South China Sea, Australia and as far east as Hawaiian Islands in some cases. Most species have been recorded from other Indian and Indo-West Pacific regions. The author is of the opinion that those which at present appear to be restricted to A & N Islands are likely to be revealed, through intensive search, to occur on the coast of Indian subcontinent including Lakshadweep, as has been

found to be the case with many species and also along the coast of Myanmar including the Mergui archipelago. As such there appear to be no element peculiar or restricted to the Andaman and Nicobar Islands though the fauna is the richest compared to any of the other Indian localities.

Regarding the habitat distribution, echinoderms inhabit a variety of habitats such as rocks, corals, sand, mud, algae, sea-grasses etc. Surprisingly they avoid the mangrove habitats; probably because of the mangrove roots forming obstacle for easy burrowing. The asteroid *Archaster typicus*, which generally occurs in fine sandy areas sometimes mixed with some silt appears to be an exception, as it occurs also in the fine sandy substratum with overlying silt near or adjacent to the mangroves. Some substrate-film users such as the asteroid *Patiriella pseudoexigua* can be found inhabiting the rocks in the mangrove zone covered with thin film of microscopic algae. The bays and sheltered coasts of Andaman and Nicobar Islands with mangrove vegetation provide soft sediments with rich organic matter attract and are an ideal habitat for many holothurians like *Synapta maculata*, *Actinopyga echinites*, *Stichopus herrmanni*, *Holothuria scabra* and *Polycheira rufescens* (Das and Dev Roy, 1989). Juveniles of some species of asteroids (*Acanthaster*), ophiuroids (*Ophiactis*), echinoids (*Stomopneustes*) and holothuroids (*Holothuria*) occupy the algal growths on rocks and seagrass beds (*Tripneustes*, *Temnopleurus*).

### SUMMARY

The echinoderm fauna consisting of 425 species reported from the Andaman and Nicobar islands are listed. These included 50 species of Crinoidea, 104 species of Asteroidea, 103 species of Ophiuroidea, 80 species of Echinoidea and 88 species of Holothuroidea. Along with original reference and references of records from Andaman and Nicobar area references of detailed descriptions, variations, synonymy, keys for identification, and distribution, as far as available, are cited under each species. Localities are given as per the material examined and/or present in the National Zoological Collection of Zoological Survey of India, Kolkata or Port Blair.

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**APPENDIX****LIST OF ECHINODERMATA IN THE ANDAMAN AND NICOBAR ISLANDS**

Dr. D.B. James in a recent personal communication informs that A & N Islands was used loosely to denote the entire archipelago, though the collections were mainly from Andamans and in several cases from Port Blair only.

| S.<br>No.                                                  | Clasiification and Name                           | Distribution |            |          |
|------------------------------------------------------------|---------------------------------------------------|--------------|------------|----------|
|                                                            |                                                   | Andaman Is   | Nicobar Is | A & N Is |
| Class CRINOIDEA<br>Order COMATULIDA<br>Family COMASTERIDAE |                                                   |              |            |          |
| 1.                                                         | <i>Capillaster mariae</i> (A. H. Clark)           | +            |            |          |
| 2.                                                         | <i>Capillaster multiradiatus</i> (Linnaeus)       |              |            | +        |
| 3.                                                         | <i>Comanthina nobilis</i> (P. H. Carpenter)       | +            |            |          |
| 4.                                                         | <i>Comanthina schlegeli</i> P. H. Carpenter       | +            |            |          |
| 5.                                                         | <i>Comanthus parvicirrus</i> (Müller)             |              |            | +        |
| 6.                                                         | <i>Comanthus samoanus</i> A. H. Clark             |              |            | +        |
| 7.                                                         | <i>Comanthus wahlbergi</i> (Müller)               |              |            | +        |
| 8.                                                         | <i>Comaster gracilis</i> (Hartlaub)               | +            |            |          |
| 9.                                                         | <i>Comaster multibrachiatus</i> (P. H. Carpenter) | +            |            |          |
| 10.                                                        | <i>Comaster multifidus</i> (J. Müller)            | +            |            |          |
| 11.                                                        | <i>Comaster parvus</i> A. H. Clark                | +            |            |          |
| 12.                                                        | <i>Comatella maculata</i> (P. H. Carpenter)       |              |            | +        |
| 13.                                                        | <i>Comatella nigra</i> (P. H. Carpenter)          | +            |            |          |
| 14.                                                        | <i>Comatella stelligera</i> (P. H. Carpenter)     | +            |            |          |
| 15.                                                        | <i>Comatula brevicirra</i> (Bell)                 |              | +          |          |
| 16.                                                        | <i>Comatula micraster</i> A. H. Clark             | +            |            |          |
| 17.                                                        | <i>Comatula pectinata</i> (Linnaeus)              |              | +          |          |
| 18.                                                        | <i>Oxycomanthus bennetti</i> (Müller)             | +            |            |          |

| S. No.                  | Clasiification and Name                                  | Distribution |            |          |
|-------------------------|----------------------------------------------------------|--------------|------------|----------|
|                         |                                                          | Andaman Is   | Nicobar Is | A & N Is |
| Family HIMEROMETRIDAE   |                                                          |              |            |          |
| 19.                     | <i>Craspedometra acuticirra</i> (P. H. Carpenter)        | +            |            |          |
| 20.                     | <i>Craspedometra anceps</i> (P. H. Carpenter)            | +            |            |          |
| 21.                     | <i>Heterometra bengalensis</i> (Hartlaub)                | +            |            |          |
| 22.                     | <i>Heterometra philiberti</i> (Mueller)                  | +            |            |          |
| 23.                     | <i>Himerometra magnipinna</i> (A. H. Clark)              | +            |            |          |
| 24.                     | <i>Himerometra robustipinna</i> (P. H. Carpenter)        | +            |            |          |
| Family MARIAMETRIDAE    |                                                          |              |            |          |
| 25.                     | <i>Dichrometra protectus</i> (Lutken in P. H. Carpenter) | +            |            |          |
| 26.                     | <i>Lamprometra palmata</i> (J. Müller)                   | +            |            |          |
| 27.                     | <i>Selenometra aranea</i> (A. H. Clark)                  | +            |            |          |
| Family STEPHANOMETRIDAE |                                                          |              |            |          |
| 28.                     | <i>Stephanometra indica</i> (Smith)                      | +            |            |          |
| 29.                     | <i>Stephanometra monacantha</i> (Hartlaub)               |              |            | +        |
| Family COLOBOMETRIDAE   |                                                          |              |            |          |
| 30.                     | <i>Colobometra discolor</i> (A. H. Clark)                | +            |            |          |
| 31.                     | <i>Cotylometra gracilicirra</i> (A. H. Clark)            | +            |            |          |
| 32.                     | <i>Iconometra intermedia</i> (A. H. Clark)               | +            |            |          |
| Family PONTIOMETRIDAE   |                                                          |              |            |          |
| 33.                     | <i>Pontiometra andersoni</i> (P. H. Carpenter)           | +            |            |          |
| Family ANTEDONIDAE      |                                                          |              |            |          |
| 34.                     | <i>Andrometra indica</i> (A. H. Clark)                   | +            |            |          |
| 35.                     | <i>Dorometra nana</i> (Hartlaub)                         |              |            | +        |
| 36.                     | <i>Psathyrometra inusitata</i> A. H. Clark               | +            |            |          |
| 37.                     | <i>Psathyrometra mira</i> A. H. Clark                    | +            |            |          |
| 38.                     | <i>Sarametra nicobarica</i> A. H. Clark                  |              | +          |          |
| Family CALOMETRIDAE     |                                                          |              |            |          |
| 39.                     | <i>Neometra spinosissima</i> (A. H. Clark)               | +            |            |          |

| S.<br>No.    | Classification and Name                             | Distribution |            |          |
|--------------|-----------------------------------------------------|--------------|------------|----------|
|              |                                                     | Andaman Is   | Nicobar Is | A & N Is |
|              | Family THALASSOMETRIDAE                             |              |            |          |
| 40.          | <i>Crotalometra eridanella</i> A. H. Clark          |              | +          |          |
| 41.          | <i>Thalassometra peripolos</i> A. H. Clark          |              | +          |          |
| 42.          | <i>Thalassometra pergracilis</i> A. H. Clark        | +            |            |          |
|              | Family EUDIOMETRIDAE                                |              |            |          |
| 43.          | <i>Eudiocrinus minor</i> A. H. Clark                | +            |            |          |
| 44.          | <i>Eudiocrinus ornatus</i> A. H. Clark              | +            |            |          |
|              | Family CHARITOMETRIDAE                              |              |            |          |
| 45.          | <i>Glyptometra invenusta</i> (A. H. Clark)          | +            |            |          |
| 46.          | <i>Permissometra occidentalis</i> A. H. Clark       |              | +          |          |
|              | Family PENTAMETROCRINIDAE                           |              |            |          |
| 47.          | <i>Pentametrocrinus varians</i> (Carpenter)         |              |            | +        |
|              | Order BOURGUETICRINIDA                              |              |            |          |
|              | Family PENTACRINITIDAE                              |              |            |          |
| 48.          | <i>Comastrocrinus springeri</i> (A. H. Clark)       | +            |            |          |
| 49.          | <i>Comastrocrinus ornatus</i> (A. H. Clark)         | +            |            |          |
|              | Family BOURGUETICRINIDAE                            |              |            |          |
| 50.          | <i>Bathycrinus woodmasoni</i> A. H. Clark           |              | +          |          |
| <b>Total</b> |                                                     | <b>35</b>    | <b>7</b>   | <b>8</b> |
|              | Class ASTEROIDEA                                    |              |            |          |
|              | Order PAXILLOSIDA                                   |              |            |          |
|              | Family LUIDIIDAE                                    |              |            |          |
| 1.           | <i>Luidia (Luidia) integra</i> Koehler              | +            |            |          |
| 2.           | <i>Luidia (Luidia) limbata</i> (Sladen)             | +            |            |          |
| 3.           | <i>Luidia (Luidia) maculata</i> Müller and Troschel | +            |            |          |
| 4.           | <i>Luidia (Luidia) savignyi</i> (Audouin)           | +            |            |          |
|              | Family ASTROPECTINIDAE                              |              |            |          |
| 5.           | <i>Astropecten euryacanthus</i> Lütken              |              | +          |          |

| S.<br>No.                 | Classification and Name                                       | Distribution |            |          |
|---------------------------|---------------------------------------------------------------|--------------|------------|----------|
|                           |                                                               | Andaman Is   | Nicobar Is | A & N Is |
| 6.                        | <i>Astropecten greigi</i> Koehler                             | +            |            |          |
| 7.                        | <i>Astropecten monacanthus</i> Sladen                         | +            |            |          |
| 8.                        | <i>Astropecten polyacanthus</i> Müller and Troschel           |              |            | +        |
| 9.                        | <i>Astropecten tamilicus</i> Doederlein                       | +            |            |          |
| 10.                       | <i>Astropecten vappa</i> Müller and Troschel                  | +            |            |          |
| 11.                       | <i>Craspidaster hesperus</i> (Müller and Troschel)            | +            |            |          |
| 12.                       | <i>Dipsacaster pentagonalis</i> Alcock                        | +            |            |          |
| 13.                       | <i>Dipsacaster sladeni</i> Alcock                             | +            |            |          |
| 14.                       | <i>Dytaster insignis</i> (Perrier)                            | +            |            |          |
| 15.                       | <i>Persephonaster coelochiles</i> Alcock                      | +            |            |          |
| 16.                       | <i>Persephonaster gracilis</i> (Sladen)                       | +            |            |          |
| 17.                       | <i>Psilaster agassizi</i> (Koehler)                           |              | +          |          |
| Family PORCELLANASTERIDAE |                                                               |              |            |          |
| 18.                       | <i>Abyssaster tara</i> (Wood-Mason and Alcock)                | +            |            |          |
| 19.                       | <i>Porcellanaster caulifer</i> Sladen                         | +            |            |          |
| 20.                       | <i>Porcellanaster ceruleus</i> Wyville Thomson                | +            |            |          |
| 21.                       | <i>Sidonaster vaneyi</i> Koehler                              |              |            | +        |
| 22.                       | <i>Styracaster caroli</i> Ludwig                              | +            |            |          |
| 23.                       | <i>Styracaster clavipes</i> Wood-Mason and Alcock             | +            |            |          |
| Order NOTOMYOTIDA         |                                                               |              |            |          |
| Family BENTHOPECTINIDAE   |                                                               |              |            |          |
| 24.                       | <i>Benthopecten semisquamatus</i> (Sladen)                    | +            |            |          |
| 25.                       | <i>Cheiraster</i> ( <i>Cheiraster</i> ) <i>snyderi</i> Fisher |              | +          |          |
| Order VALVATIDA           |                                                               |              |            |          |
| Family CHAETASTERIDAE     |                                                               |              |            |          |
| 26.                       | <i>Chaetaster vestitus</i> Koehler                            | +            |            |          |
| Family ASTERINIDAE        |                                                               |              |            |          |
| 27.                       | <i>Anseropoda pellucida</i> (Alcock)                          | +            |            |          |
| 28.                       | <i>Asterina burtoni</i> Gray                                  | +            |            |          |

| S.<br>No.            | Classification and Name                              | Distribution |            |          |
|----------------------|------------------------------------------------------|--------------|------------|----------|
|                      |                                                      | Andaman Is   | Nicobar Is | A & N Is |
| 29.                  | <i>Asterina cepheus</i> (Müller and Troschel)        | +            |            |          |
| 30.                  | <i>Asterina sarasini</i> (de Loriol)                 |              |            | +        |
| 31.                  | <i>Disasterina spinosa</i> Koehler                   | +            |            |          |
| 32.                  | <i>Disasterina spinulifera</i> H. L. Clark           | +            |            |          |
| 33.                  | <i>Paranepanthia brachiata</i> (Koehler)             | +            |            |          |
| 34.                  | <i>Patiriella pseudoexigua</i> Dartnall              | +            |            |          |
| 35.                  | <i>Tegulaster ceylanicus</i> (Döderlein)             | +            |            |          |
| 36.                  | <i>Tegulaster emburyi</i> Livingstone                |              | +          |          |
| Family ARCHASTERIDAE |                                                      |              |            |          |
| 37.                  | <i>Archaster angulatus</i> Müller and Troschel       | +            |            |          |
| 38.                  | <i>Archaster typicus</i> Müller and Troschel         |              |            | +        |
| Family GONIASTERIDAE |                                                      |              |            |          |
| 39.                  | <i>Anthenoides sarissa</i> Alcock                    | +            |            |          |
| 40.                  | <i>Astroceramis fisheri</i> Koehler                  | +            |            |          |
| 41.                  | <i>Calliaster mamillifer</i> Alcock                  | +            |            |          |
| 42.                  | <i>Ceramaster mortenseni</i> Koehler                 | +            |            |          |
| 43.                  | <i>Lithosoma pentaphylla</i> (Alcock)                | +            |            |          |
| 44.                  | <i>Mediaster arcuatus</i> (Sladen)                   | +            |            |          |
| 45.                  | <i>Miteliphaster woodmasoni</i> Alcock               | +            |            |          |
| 46.                  | <i>Nymphaster moebii</i> (Koehler)                   | +            |            |          |
| 47.                  | <i>Nymphaster nora</i> Alcock                        | +            |            |          |
| 48.                  | <i>Ogmaster capella</i> (Müller and Troschel)        | +            |            |          |
| 49.                  | <i>Pentagonaster</i> sp.                             | +            |            |          |
| 50.                  | <i>Pseudarchaster mozaicus</i> Wood-Mason and Alcock | +            |            |          |
| 51.                  | <i>Rosaster confinis</i> (Koehler)                   | +            |            |          |
| 52.                  | <i>Rosaster florifer</i> (Alcock)                    | +            |            |          |
| 53.                  | <i>Stellaster childreni</i> Gray                     | +            |            |          |
| Family OREASTERIDAE  |                                                      |              |            |          |
| 54.                  | <i>Anthenea pentagonula</i> (Lamarck)                | +            |            |          |

| S.<br>No. | Classification and Name                                | Distribution |            |          |
|-----------|--------------------------------------------------------|--------------|------------|----------|
|           |                                                        | Andaman Is   | Nicobar Is | A & N Is |
| 55.       | <i>Choriaster granulatus</i> Lütken                    | +            |            |          |
| 56.       | <i>Culcita novaeguineae</i> Müller and Troschel        |              |            | +        |
| 57.       | <i>Culcita schmideliana</i> Retzius                    |              |            | +        |
| 58.       | <i>Poraster superbus</i> (Möbius)                      | +            |            |          |
| 59.       | <i>Protoreraster lincki</i> (de Blainville)            |              | +          |          |
| 60.       | <i>Protoreaster nodosus</i> (Linnaeus)                 |              | +          |          |
|           | Family ASTEROPSEIDAE                                   |              |            |          |
| 61.       | <i>Asteropsis carinifera</i> (Lamarck)                 |              |            | +        |
| 62.       | <i>Valvaster striatus</i> (Lamarck)                    | +            |            |          |
|           | Family ACANTHASTERIDAE                                 |              |            |          |
| 63.       | <i>Acanthaster planci</i> (Linnaeus)                   |              |            | +        |
|           | Family OPHIDIASTERIDAE                                 |              |            |          |
| 64.       | <i>Dactylosaster cylindricus cylindricus</i> (Lamarck) |              |            | +        |
| 65.       | <i>Fromia armata</i> Koehler                           |              |            | +        |
| 66.       | <i>Fromia indica</i> (Perrier)                         | +            |            |          |
| 67.       | <i>Fromia milleporella</i> (Lamarck)                   | +            |            |          |
| 68.       | <i>Fromia monilis</i> Perrier                          | +            |            |          |
| 69.       | <i>Gomophia egyptiaca</i> Gray                         | +            |            |          |
| 70.       | <i>Heteronardoa carinata</i> (Koehler)                 | +            |            |          |
| 71.       | <i>Leiaster glaber</i> Peters                          | +            |            |          |
| 72.       | <i>Linckia guildingi</i> Gray                          |              |            | +        |
| 73.       | <i>Linckia laevigata</i> (Linnaeus)                    |              |            | +        |
| 74.       | <i>Linckia multifora</i> (Lamarck)                     |              |            | +        |
| 75.       | <i>Nardoa frianti</i> Koehler                          | +            |            |          |
| 76.       | <i>Nardoa galathea</i> (Lütken)                        |              |            | +        |
| 77.       | <i>Nardoa lemonnieri lemonnieri</i> Koehler            | +            |            |          |
| 78.       | <i>Neoferdina offreti</i> (Koehler)                    | +            |            |          |
| 79.       | <i>Ophidiaster armatus</i> Koehler                     | +            |            |          |
| 80.       | <i>Ophidiaster hemprichi</i> Müller and Troschel       |              | +          |          |

| S.<br>No. | Clasiification and Name                                 | Distribution |            |          |
|-----------|---------------------------------------------------------|--------------|------------|----------|
|           |                                                         | Andaman Is   | Nicobar Is | A & N Is |
| 81.       | <i>Tamaria dubiosa</i> (Koehler)                        | +            |            |          |
| 82.       | <i>Tamaria fusca</i> Gray                               | +            |            |          |
| 83.       | <i>Tamaria hirsuta</i> (Koehler)                        | +            |            |          |
| 84.       | <i>Tamaria megaloplax</i> (Bell)                        |              |            | +        |
|           | Order VELATIDA                                          |              |            |          |
|           | Family PTERASTERIDAE                                    |              |            |          |
| 85.       | <i>Euretaster cribrosus</i> (von Martens)               |              |            | +        |
| 86.       | <i>Hymenaster alcocki</i> Koehler                       | +            |            |          |
| 87.       | <i>Hymenaster nobilis</i> Wyville Thompson              | +            |            |          |
|           | Order SPINULOSIDA                                       |              |            |          |
|           | Family ECHINASTERIDAE                                   |              |            |          |
| 88.       | <i>Cribrella praestans</i> Sladen                       | +            |            |          |
| 89.       | <i>Dictyaster xenophilus</i> Wood-Mason and Alcock      | +            |            |          |
| 90.       | <i>Echinaster (Echinaster) callosus</i> von Marenzeller | +            |            |          |
| 91.       | <i>Echinaster (Echinaster) luzonicus</i> (Gray)         |              |            | +        |
| 92.       | <i>Echinaster (Echinaster) purpureus</i> (Gray)         |              | +          |          |
| 93.       | <i>Henricia mutans</i> Koehler                          | +            |            |          |
|           | Family METRODIRIDAE                                     |              |            |          |
| 94.       | <i>Metrodira subulata</i> Gray                          |              |            | +        |
|           | Order FORCIPULATIDA                                     |              |            |          |
|           | Family ZOROASTERIDAE                                    |              |            |          |
| 95.       | <i>Zoroaster adami</i> Koehler                          | +            |            |          |
| 96.       | <i>Zoroaster carinatus</i> Alcock                       | +            |            |          |
| 97.       | <i>Zoroaster gilesi</i> Alcock                          | +            |            |          |
|           | Family PEDICELLASTERIDAE                                |              |            |          |
| 98.       | <i>Pedicellaster atratus</i> Alcock                     | +            |            |          |
|           | Family ASTERIIDAE                                       |              |            |          |
| 99.       | <i>Scleraasterias mazophora</i> (Wood-Mason and Alcock) | +            |            |          |
| 100.      | <i>Sclerasterias nitida</i> Koehler                     | +            |            |          |

| S.<br>No.    | Classification and Name                           | Distribution |            |           |
|--------------|---------------------------------------------------|--------------|------------|-----------|
|              |                                                   | Andaman Is   | Nicobar Is | A & N Is  |
|              | Order BRISINGIDA                                  |              |            |           |
|              | Family BRISINGIDAE                                |              |            |           |
| 101.         | <i>Brisinga andamanica</i> Wood-Mason and Alcock  | +            |            |           |
| 102.         | <i>Brisinga bengalensis</i> Wood-Mason and Alcock | +            |            |           |
| 103.         | <i>Stegnobrisinga gracilis</i> (Koehler)          | +            |            |           |
|              | Family FREYELLIDAE                                |              |            |           |
| 104.         | <i>Freyella indica</i> Koehler                    | +            |            |           |
| <b>Total</b> |                                                   | <b>78</b>    | <b>7</b>   | <b>19</b> |
|              | Class OPHIUROIDEA                                 |              |            |           |
|              | Order PHRYNOPHIURIDA                              |              |            |           |
|              | Family OPHIOMYXIDAE                               |              |            |           |
| 1.           | <i>Ophiomyxa australis</i> Lütken                 | +            |            |           |
| 2.           | <i>Ophiophrinx confinis</i> Koehler               | +            |            |           |
|              | Family EURYALIDAE                                 |              |            |           |
| 3.           | <i>Asteromorpha flosculus</i> (Alcock)            | +            |            |           |
|              | Family GORGONOCEPHALIDAE                          |              |            |           |
| 4.           | <i>Astrocladus exiguus</i> (Lamarck)              | +            |            |           |
|              | Family ASTEROSCHEMATIDAE                          |              |            |           |
| 5.           | <i>Asteroschema fastosum</i> Koehler              |              | +          |           |
| 6.           | <i>Asteroschema subfastosum</i> Doederlein        |              | +          |           |
| 7.           | <i>Ophiocreas sibogae</i> (Döderlein)             |              | +          |           |
| 8.           | <i>Ophiocreas</i> sp. Koehler                     | +            |            |           |
|              | Order OPHIURIDA                                   |              |            |           |
|              | Family OPHIURIDAE                                 |              |            |           |
|              | Subfamily OPHIOLEPIDINAE                          |              |            |           |
| 9.           | <i>Ophioelegans cincta</i> (Müller and Troschel)  |              |            | +         |
| 10.          | <i>Ophiolepis superba</i> H. L. Clark             | +            |            |           |
| 11.          | <i>Ophiolipus granulatus</i> Koehler              | +            |            |           |

| S.<br>No. | Classification and Name                               | Distribution |            |          |
|-----------|-------------------------------------------------------|--------------|------------|----------|
|           |                                                       | Andaman Is   | Nicobar Is | A & N Is |
| 12.       | <i>Ophiomusium elegans</i> Koehler                    |              |            | +        |
| 13.       | <i>Ophiomusium relictum</i> Koehler                   |              | +          |          |
| 14.       | <i>Ophiomusium scalare</i> Lyman                      | +            |            |          |
| 15.       | <i>Ophiomusium simplex</i> Lyman                      | +            |            |          |
| 16.       | <i>Ophioplocus imbricatus</i> (Müller and Troschel)   |              |            | +        |
| 17.       | <i>Ophiosphalma elegans</i> Koehler                   |              |            | +        |
| 18.       | <i>Ophioteichus nodosa</i> (Duncan)                   | +            |            |          |
| 19.       | <i>Ophiozonella bispinosa</i> (Koehler)               | +            |            |          |
| 20.       | <i>Ophiozonella molesta</i> (Koehler)                 | +            |            |          |
|           | Subfamily OPHIOLEUCINAE                               |              |            |          |
| 21.       | <i>Ophiernus adpersus adpersus</i> Lyman              |              |            | +        |
| 22.       | <i>Ophiostriatus bispinosus</i> (Koehler)             | +            |            |          |
|           | Subfamily OPHIURINAE                                  |              |            |          |
| 23.       | <i>Amphiophiura ornata</i> (Lyman)                    |              | +          |          |
| 24.       | <i>Amphiophiura sculptilis</i> (Lyman)                | +            |            |          |
| 25.       | <i>Amphiophiura sordida</i> (Koehler)                 | +            |            |          |
| 26.       | <i>Amphiophiura (Dictenophiura) stellata</i> (Studer) | +            |            |          |
| 27.       | <i>Homalophiura inflata</i> (Koehler)                 | +            |            |          |
| 28.       | <i>Ophiura aequalis</i> (Lyman)                       | +            |            |          |
| 29.       | <i>Ophiura flagellata</i> Lyman                       | +            |            |          |
| 30.       | <i>Ophiura forbesi</i> (Duncan)                       | +            |            |          |
| 31.       | <i>Ophiura kinbergi</i> (Ljungman)                    | +            |            |          |
|           | Family OPHIOCOMIDAE                                   |              |            |          |
| 32.       | <i>Ophiarthrum elegans</i> Peters                     |              |            | +        |
| 33.       | <i>Ophiarthrum pictum</i> (Müller and Troschel)       |              |            | +        |
| 34.       | <i>Ophiocoma brevipes</i> Peters                      | +            |            |          |
| 35.       | <i>Ophiocoma dentata</i> Müller and Troschel          |              |            | +        |
| 36.       | <i>Ophiocoma doederleini</i> de Loriol                | +            |            |          |
| 37.       | <i>Ophiocoma erinaceus</i> Müller and Troschel        |              |            | +        |

| S.<br>No. | Classification and Name                                | Distribution |            |          |
|-----------|--------------------------------------------------------|--------------|------------|----------|
|           |                                                        | Andaman Is   | Nicobar Is | A & N Is |
| 38.       | <i>Ophiocoma pica</i> Müller and Troschel              |              | +          |          |
| 39.       | <i>Ophiocoma pusilla</i> (Brock)                       |              |            | +        |
| 40.       | <i>Ophiocoma scolopendrina</i> (Lamarck)               |              |            | +        |
| 41.       | <i>Ophiocomella sexradia</i> (Duncan)                  | +            |            |          |
| 42.       | <i>Ophiomastix annulosa</i> (Lamarck)                  |              |            | +        |
| 43.       | <i>Ophiopsila pantherina</i> Koehler                   | +            |            |          |
|           | Family OPHIONEREIDAE                                   |              |            |          |
| 44.       | <i>Ophiochiton modestus</i> Koehler                    | +            |            |          |
| 45.       | <i>Ophionereis andamanensis</i> James                  | +            |            |          |
| 46.       | <i>Ophionereis dubia</i> (Müller and Troschel)         | +            |            |          |
| 47.       | <i>Ophionereis porrecta</i> Lyman                      | +            |            |          |
|           | Family OPHIODERMATIDAE                                 |              |            |          |
| 48.       | <i>Gymnopelta indica</i> (Koehler)                     | +            |            |          |
| 49.       | <i>Ophiarachna incrassata</i> (Lamarck)                | +            |            |          |
| 50.       | <i>Ophiarachnella gorgonia</i> (Müller and Troschel)   | +            |            |          |
| 51.       | <i>Ophiarachnella infernalis</i> (Müller and Troschel) |              |            | +        |
| 52.       | <i>Ophiopeza custos</i> Koehler                        | +            |            |          |
| 53.       | <i>Ophiopsammus yoldii</i> (Lütken)                    | +            |            |          |
|           | Family OPHIACANTHIDAE                                  |              |            |          |
| 54.       | <i>Ophiacantha composita</i> Koehler                   |              | +          |          |
| 55.       | <i>Ophiacantha indica</i> Ljungman                     | +            |            |          |
| 56.       | <i>Ophiacantha pentagona</i> Koehler                   | +            |            |          |
| 57.       | <i>Ophiacantha sociabilis</i> Koehler                  | +            |            |          |
| 58.       | <i>Ophiacantha vestita</i> Koehler                     | +            |            |          |
| 59.       | <i>Ophiocamax fasciculate</i> Lyman                    | +            |            |          |
| 60.       | <i>Ophiocamax rugosa</i> Koehler                       | +            |            |          |
| 61.       | <i>Ophiomitra integra</i> Koehler                      | +            |            |          |
| 62.       | <i>Ophioplinthaca rudis</i> (Koehler)                  | +            |            |          |
| 63.       | <i>Ophiotreta abnormis</i> Lyman                       | +            |            |          |

| S.<br>No. | Clasiification and Name                              | Distribution |            |          |
|-----------|------------------------------------------------------|--------------|------------|----------|
|           |                                                      | Andaman Is   | Nicobar Is | A & N Is |
|           | Family HEMIEURYALIDAE                                |              |            |          |
| 64.       | <i>Ophiomoeris tenera</i> (Koehler)                  | +            |            |          |
|           | Family OPHIACTIDAE                                   |              |            |          |
| 65.       | <i>Ophiactis delagoa</i> Balinsky                    | +            |            |          |
| 66.       | <i>Ophiactis modesta</i> Brock                       | +            |            |          |
| 67.       | <i>Ophiactis picteti</i> (de Loriol)                 | +            |            |          |
| 68.       | <i>Ophiactis savignyi</i> (Müller and Troschel)      |              |            | +        |
|           | Family AMPHIURIDAE                                   |              |            |          |
| 69.       | <i>Amphioplus intermedius</i> (Koehler)              | +            |            |          |
| 70.       | <i>Amphioplus (Amphioplus) personatus</i> (Koehler)  |              |            | +        |
| 71.       | <i>Amphioplus (Lymanella) andreae</i> (Lütken)       | +            |            |          |
| 72.       | <i>Amphioplus (Lymanella) depressus</i> (Ljungman)   | +            |            |          |
| 73.       | <i>Amphioplus (Lymanella) hastatus</i> (Ljungman)    | +            |            |          |
| 74.       | <i>Amphioplus (Lymanella) near laevis</i> (Lyman)    | +            |            |          |
| 75.       | <i>Amphipholis misera</i> (Koehler)                  | +            |            |          |
| 76.       | <i>Amphipholis squamata</i> (Delle Chiaje)           |              |            | +        |
| 77.       | <i>Amphiura dispar</i> Koehler                       | +            |            |          |
| 78.       | <i>Amphiura (Amphiura) septemspinosa</i> H. L. Clark | +            |            |          |
| 79.       | <i>Ophiocentrus dilatatus</i> (Koehler)              | +            |            |          |
| 80.       | <i>Ophiocentrus verticillatus</i> (Döderlein)        | +            |            |          |
|           | Family OPHIOTHRICIDAE                                |              |            |          |
| 81.       | <i>Macrophiothrix aspidota</i> (Müller and Troschel) | +            |            |          |
| 82.       | <i>Macrophiothrix demessa</i> (Lyman)                | +            |            |          |
| 83.       | <i>Macrophiothrix galataeae</i> (Lütken)             | +            |            |          |
| 84.       | <i>Macrophiothrix koehleri</i> A.M. Clark            |              |            | +        |
| 85.       | <i>Macrophiothrix longipeda</i> (Lamarck)            |              |            | +        |
| 86.       | <i>Macrophiothrix propinqua</i> (Lyman.)             |              |            | +        |
| 87.       | <i>Macrophiothrix speciosa</i> (Koehler)             |              |            | +        |
| 88.       | <i>Ophiocnemis marmorata</i> (Lamarck)               | +            |            |          |

| S.<br>No.         | Classification and Name                                             | Distribution |            |           |
|-------------------|---------------------------------------------------------------------|--------------|------------|-----------|
|                   |                                                                     | Andaman Is   | Nicobar Is | A & N Is  |
| 89.               | <i>Ophiolophus novarae</i> Marktanner-Turneretscher                 |              | +          |           |
| 90.               | <i>Ophiomaza cacaotica</i> Lyman                                    |              |            | +         |
| 91.               | <i>Ophiopterion elegans</i> Ludwig                                  | +            |            |           |
| 92.               | <i>Ophiorthela danae</i> Verrill                                    | +            |            |           |
| 93.               | <i>Ophiorthrix (Acanthophiorthrix) diligens</i> Koehler             | +            |            |           |
| 94.               | <i>Ophiorthrix (Acanthophiorthrix) proteus</i> Koehler              |              | +          |           |
| 95.               | <i>Ophiorthrix (Acanthophiorthrix) purpurea</i> von Martens         | +            |            |           |
| 96.               | <i>Ophiorthrix (Acanthophiorthrix) vigelandi</i> A.M. Clark         | +            |            |           |
| 97.               | <i>Ophiorthrix (Keystonea) nereidina</i> (Lamarck)                  |              |            | +         |
| 98.               | <i>Ophiorthrix (Ophiorthrix) aristulata</i> Lyman                   | +            |            |           |
| 99.               | <i>Ophiorthrix (Ophiorthrix) ciliaris</i> (Lamarck)                 | +            |            |           |
| 100.              | <i>Ophiorthrix (Ophiorthrix) exigua</i> Lyman                       |              |            | +         |
| 101.              | <i>Ophiorthrix (Ophiorthrix) foveolata</i> Marktanner-Turneretscher | +            |            |           |
| 102.              | <i>Ophiorthrix (Ophiorthrix) trilineata</i> Lutken                  |              |            | +         |
| 103.              | <i>Ophiorthrix (Ophiorthrix) vitrea</i> Döderlein                   | +            |            |           |
| <b>Total</b>      |                                                                     | <b>70</b>    | <b>9</b>   | <b>24</b> |
| Class ECHINOIDEA  |                                                                     |              |            |           |
| Order CIDAROIDA   |                                                                     |              |            |           |
| Family CIDARIIDAE |                                                                     |              |            |           |
| 1.                | <i>Eucidaris metularia</i> (Lamarck)                                | +            |            |           |
| 2.                | <i>Phyllacanthus imperialis</i> Lamarck                             | +            |            |           |
| 3.                | <i>Prionocidaris baculosa</i> (Lamarck)                             | +            |            |           |
| 4.                | <i>Prionocidaris brevicollis</i> (de Meijere)                       | +            |            |           |
| 5.                | <i>Prionocidaris verticillata</i> (Lamarck)                         | +            |            |           |
| 6.                | <i>Porocidaris purpurata</i> Wyville-Thompson                       |              | +          |           |
| 7.                | <i>Stereocidaris alcocki</i> (Anderson)                             | +            |            |           |
| 8.                | <i>Stereocidaris indica</i> Döderlein                               | +            |            |           |
| 9.                | <i>Stylocidaris albidens</i> H. L. Clark                            | +            |            |           |
| 10.               | <i>Stylocidaris lorioli</i> (Koehler)                               | +            |            |           |

| S.<br>No. | Classification and Name                                                                 | Distribution |            |          |
|-----------|-----------------------------------------------------------------------------------------|--------------|------------|----------|
|           |                                                                                         | Andaman Is   | Nicobar Is | A & N Is |
| 11.       | <i>Stylocidaris tiara</i> (Anderson)<br>Order ECHINOTHURIOIDA<br>Family ECHINOTHURIIDAE | +            |            |          |
| 12.       | <i>Hygrosoma luculentum</i> (A. Agassiz)                                                | +            |            |          |
| 13.       | <i>Phormosoma bursarium</i> A. Agassiz                                                  |              |            | +        |
| 14.       | <i>Phormosoma verticillatum</i> Mortensen<br>Order DIADEMATOIDA<br>Family DIADEMATIDAE  |              |            | +        |
| 15.       | <i>Astropyga radiata</i> (Leske)                                                        | +            |            |          |
| 16.       | <i>Centrostephanus nitidus</i> Koehler                                                  | +            |            |          |
| 17.       | <i>Chaetodiadema granulatum</i> Mortensen                                               | +            |            |          |
| 18.       | <i>Diadema savignyi</i> Michelin                                                        |              |            | +        |
| 19.       | <i>Diadema setosum</i> (Leske)                                                          |              |            | +        |
| 20.       | <i>Echinothrix calamaris</i> (Pallas)                                                   |              |            | +        |
| 21.       | <i>Echinothrix diadema</i> (Linnaeus)<br>Family ASPIDODIADEMATIDAE                      |              |            | +        |
| 22.       | <i>Aspidodiadema nicobaricum</i> Döderlein<br>Order SELENIOIDA<br>Family SALENIIDAE     |              | +          |          |
| 23.       | <i>Salenia sculpta</i> Koehler<br>Order PHYMOSOMATOIDA<br>Family STOMECHINIDAE          | +            |            |          |
| 24.       | <i>Stomopneustes variolaris</i> (Lamarck)<br>Order ARBACIOIDA<br>Family ARBACIIDAE      |              |            | +        |
| 25.       | <i>Coelopleurus vittatus</i> Koehler                                                    | +            |            |          |
| 26.       | <i>Pygmaeocidaris prionigera</i> (A. Agassiz)                                           | +            |            |          |

| S.<br>No. | Classification and Name                            | Distribution |            |          |
|-----------|----------------------------------------------------|--------------|------------|----------|
|           |                                                    | Andaman Is   | Nicobar Is | A & N Is |
|           | Order TEMNOPLEUROIDA                               |              |            |          |
|           | Family TEMNOPLEURIDAE                              |              |            |          |
| 27.       | <i>Mespilia globulus</i> (Linnaeus)                |              |            | +        |
| 28.       | <i>Microcyphus ceylanicus</i> Mortensen            | +            |            |          |
| 29.       | <i>Paratrema doederleini</i> (Mortensen)           | +            |            |          |
| 30.       | <i>Printechinus impressus</i> Koehler              | +            |            |          |
| 31.       | <i>Prionechinus agassizi</i> Wood-Mason and Alcock | +            |            |          |
| 32.       | <i>Salmacis bicolor</i> L. Agassiz                 |              | +          |          |
| 33.       | <i>Temnopleurus apodus</i> Agassiz and Clark       | +            |            |          |
| 34.       | <i>Temnopleurus proctalis</i> (Koehler)            | +            |            |          |
| 35.       | <i>Temnopleurus toreumaticus</i> (Leske)           | +            |            |          |
| 36.       | <i>Temnotrema scillae</i> (Mazetti)                | +            |            |          |
| 37.       | <i>Trigonocidaris versicolor</i> Koehler           | +            |            |          |
|           | Family TOXOPNEUSTIDAE                              |              |            |          |
| 38.       | <i>Gymnechinus robillardi</i> (de Loriol)          | +            |            |          |
| 39.       | <i>Toxopneustes pileolus</i> (Lamarck)             |              |            | +        |
| 40.       | <i>Tripneustes gratilla</i> (Linnaeus)             |              |            | +        |
|           | Order ECHINOIDA                                    |              |            |          |
|           | Family ECHINOMETRIDAE                              |              |            |          |
| 41.       | <i>Colobocentrotus atratus</i> (Linnaeus)          |              |            | +        |
| 42.       | <i>Echinometra mathaei</i> (de Blainville)         |              |            | +        |
| 43.       | <i>Echinmetra oblonga</i> (de Blainville)          |              |            | +        |
| 44.       | <i>Echinostrephus molaris</i> (de Blainville)      |              |            | +        |
| 45.       | <i>Heterocentrotus trigonarius</i>                 |              | +          |          |
|           | Order HOLECTYPOIDA                                 |              |            |          |
|           | Family ECHINONEIDAE                                |              |            |          |
| 46.       | <i>Echinoneus cyclostomus</i> Leske                |              |            | +        |
|           | Order CLYPEASTEROIDA                               |              |            |          |
|           | Family CLYPEASTERIDAE                              |              |            |          |
| 47.       | <i>Clypeaster reticulatus</i> (Linnaeus)           | +            |            |          |

| S.<br>No. | Classification and Name                               | Distribution |            |          |
|-----------|-------------------------------------------------------|--------------|------------|----------|
|           |                                                       | Andaman Is   | Nicobar Is | A & N Is |
|           | Family ARACHNOIDIDAE                                  |              |            |          |
| 48.       | <i>Arachnoides placenta</i> Linnaeus                  |              |            | +        |
|           | Family FIBULARIIDAE                                   |              |            |          |
| 49.       | <i>Echinocyamus crispus</i> Mazetti                   | +            |            |          |
|           | Family LAGANIDAE                                      |              |            |          |
| 50.       | <i>Laganum decagonale</i> (de Blainville)             | +            |            |          |
| 51.       | <i>Laganum depressum</i> Lesson                       | +            |            |          |
| 52.       | <i>Laganum laganum</i> (Leske)                        |              |            | +        |
| 53.       | <i>Laganum retinens</i>                               | +            |            |          |
| 54.       | <i>Laganum versatile</i> Koehler                      | +            |            |          |
| 55.       | <i>Peronella lessueurii</i> (Valenciennes)            |              |            | +        |
| 56.       | <i>Peronella macroproctes</i> Koehler                 | +            |            |          |
| 57.       | <i>Peronella rubra</i> Döderlein                      | +            |            |          |
| 58.       | <i>Peronella rutlandi</i> (Koehler)                   | +            |            |          |
|           | Family ASTRICLYPEIDAE                                 |              |            |          |
| 59.       | <i>Echinodiscus auritus</i> Leske                     | +            |            |          |
| 60.       | <i>Echinodiscus bisperforatus</i> Leske               | +            |            |          |
|           | Order SPATANGOIDA                                     |              |            |          |
|           | Family PALAEOSTOMATIDAE                               |              |            |          |
| 61.       | <i>Paleostoma mirabile</i> (Gray)                     | +            |            |          |
|           | Family PERICOSMIDAE                                   |              |            |          |
| 62.       | <i>Pericosmus micronesius</i> Koehler                 | +            |            |          |
|           | Family SCHIZASTERIDAE                                 |              |            |          |
| 63.       | <i>Brisaster indicus</i> Koehler                      | +            |            |          |
| 64.       | <i>Faorina chinensis</i> Gray                         | +            |            |          |
| 65.       | <i>Moiria stygia</i> Lütken                           | +            |            |          |
| 66.       | <i>Schizaster (Paraster) investigatoris</i> (Koehler) | +            |            |          |
|           | Family BRISSIDAE                                      |              |            |          |
| 67.       | <i>Brissopsis luzonicus</i> (Gray)                    | +            |            |          |

| S.<br>No.    | Classification and Name                           | Distribution |            |           |
|--------------|---------------------------------------------------|--------------|------------|-----------|
|              |                                                   | Andaman Is   | Nicobar Is | A & N Is  |
| 68.          | <i>Brissopsis oldhami</i> Alcock                  |              |            | +         |
| 69.          | <i>Brissopsis parallela</i> Koehler               |              |            | +         |
| 70.          | <i>Gymnopatagus magnus</i> (Agassiz and Clark)    | +            |            |           |
| 71.          | <i>Gymnopatagus valdiviae</i> (Döderlein)         | +            |            |           |
| 72.          | <i>Metalia spatagus</i> (Linnaeus)                | +            |            |           |
| 73.          | <i>Metalia sternalis</i> (Lamarck)                | +            |            |           |
|              | Family SPATANGIDAE                                |              |            |           |
| 74.          | <i>Maretia planulata</i> (Lamarck)                | +            |            |           |
| 75.          | <i>Pseudomaretia alta</i> (A. Agassiz)            | +            |            |           |
|              | Family LOVENIIDAE                                 |              |            |           |
| 76.          | <i>Araeolampas glauca</i> (Wood-Mason and Alcock) | +            |            |           |
| 77.          | <i>Breynia vredenburgi</i> Anderson               | +            |            |           |
| 78.          | <i>Lovenia elongata</i> (Gray)                    | +            |            |           |
| 79.          | <i>Lovenia subcarinata</i> (Gray)                 | +            |            |           |
|              | Family ASTEROSTOMATIDAE                           |              |            |           |
| 80.          | <i>Argopatagus vitreus</i> A. Agassiz             | +            |            |           |
| <b>Total</b> |                                                   | <b>56</b>    | <b>4</b>   | <b>20</b> |
|              | Class HOLOTHUROIDEA                               |              |            |           |
|              | Order ASPIDOCHIROTIDA                             |              |            |           |
|              | Family HOLOTHURIIDAE                              |              |            |           |
| 1.           | <i>Actinopyga echinites</i> (Jäger)               |              |            | +         |
| 2.           | <i>Actinopyga lecanora</i> (Jäger)                |              |            | +         |
| 3.           | <i>Actinopyga mauritiana</i> (Quoy and Gaimard)   |              |            | +         |
| 4.           | <i>Actinopyga miliaris</i> (Quoy and Gaimard)     | +            |            |           |
| 5.           | <i>Bohadschia argus</i> Jäger                     | +            |            |           |
| 6.           | <i>Bohadschia marmorata</i> Jäger                 |              |            | +         |
| 7.           | <i>Holothuria (Acanthotrapeza) pyxis</i> Selenka  |              |            | +         |
| 8.           | <i>Holothuria (Cystipus) inhabilis</i> Selenka    |              |            | +         |

| S.<br>No.              | Classification and Name                                      | Distribution |            |          |
|------------------------|--------------------------------------------------------------|--------------|------------|----------|
|                        |                                                              | Andaman Is   | Nicobar Is | A & N Is |
| 9.                     | <i>Holothuria (Cystipus) rigida</i> (Selenka)                |              |            | +        |
| 10.                    | <i>Holothuria (Halodeima) atra</i> Jäger                     |              |            | +        |
| 11.                    | <i>Holothuria (Halodeima) edulis</i> Lesson                  | +            |            |          |
| 12.                    | <i>Holothuria (Lessonothuria) pardalis</i> Selenka           |              |            | +        |
| 13.                    | <i>Holothuria (Mertensiothuria) exilis</i> Koehler and Vaney | +            |            |          |
| 14.                    | <i>Holothuria (Mertensiothuria) fuscocinerea</i> Jäger       | +            |            |          |
| 15.                    | <i>Holothuria (Mertensiothuria) leucospilota</i> Brandt      |              |            | +        |
| 16.                    | <i>Holothuria (Mertensiothuria) pervicax</i> Selenka         | +            |            |          |
| 17.                    | <i>Holothuria (Metriatyla) scabra</i> Jäger                  | +            |            |          |
| 18.                    | <i>Holothuria (Microthele) nobilis</i> (Selenka)             | +            |            |          |
| 19.                    | <i>Holothuria (Platyperona) difficilis</i> Semper            |              |            | +        |
| 20.                    | <i>Holothuria (Selenkothuria) erinaceus</i> Semper           |              |            | +        |
| 21.                    | <i>Holothuria (Selenkothuria) moebii</i> Ludwig              | +            |            |          |
| 22.                    | <i>Holothuria (Semperothuria) cinerascens</i> (Brandt)       |              |            | +        |
| 23.                    | <i>Holothuria (Stauropora) prompta</i> Koehler and Vaney     | +            |            |          |
| 24.                    | <i>Holothuria (Thymiosycia) arenicola</i> Semper             |              |            | +        |
| 25.                    | <i>Holothuria (Thymiosycia) gracilis</i> Semper              | +            |            |          |
| 26.                    | <i>Holothuria (Thymiosycia) hilla</i> Lesson                 |              |            | +        |
| 27.                    | <i>Holothuria (Thymiosycia) impatiens</i> Forskäl            |              |            | +        |
| 28.                    | <i>Holothuria (Thymiosycia) remollescens</i> Lampert         | +            |            |          |
| 29.                    | <i>Holothuria rugosa</i> Ludwig                              | +            |            |          |
| Family LABIDODEMATIDAE |                                                              |              |            |          |
| 30.                    | <i>Labidodemas rugosum</i> (Ludwig)                          |              |            | +        |
| 31.                    | <i>Labidodemas semperianum</i> Selenka                       | +            |            |          |
| Family STICHOPODIDAE   |                                                              |              |            |          |
| 32.                    | <i>Stichopus chloronotus</i> Brandt                          |              |            | +        |
| 33.                    | <i>Stichopus herrmanni</i> Semper                            |              |            | +        |
| 34.                    | <i>Stichopus horrens</i> Selenka                             |              |            | +        |
| 35.                    | <i>Stichopus vastus</i> Sluiter                              |              |            | +        |

| S.<br>No.             | Clasiification and Name                                                  | Distribution |            |          |
|-----------------------|--------------------------------------------------------------------------|--------------|------------|----------|
|                       |                                                                          | Andaman Is   | Nicobar Is | A & N Is |
| Family SYNALLACTIDAE  |                                                                          |              |            |          |
| 36.                   | <i>Allopatides dendroides</i> Koehler and Vaney                          | +            |            |          |
| 37.                   | <i>Bathyplores cinctus</i> Koehler and Vaney                             | +            |            |          |
| 38.                   | <i>Bathyplores crenulatus</i> Koehler and Vaney                          | +            |            |          |
| 39.                   | <i>Bathyplores profundus</i> Koehler and Vaney                           | +            |            |          |
| 40.                   | <i>Benthothuria cristatus</i> Koehler and Vaney                          |              | +          |          |
| 41.                   | <i>Pelopatides dissidens</i> Koehler and Vaney                           | +            |            |          |
| 42.                   | <i>Pelopatides gelatinosus</i> (Walsh)                                   | +            |            |          |
| 43.                   | <i>Pelopatides modestus</i> Koehler and Vaney                            | +            |            |          |
| 44.                   | <i>Pelopatides mollis</i> Koehler and Vaney                              | +            |            |          |
| 45.                   | <i>Pelopatides ovalis</i> (Walsh)                                        | +            |            |          |
| 46.                   | <i>Pelopatides verrucosus</i> Koehler and Vaney                          | +            |            |          |
| 47.                   | <i>Pseudostichopus occultatus</i> var. <i>plicatus</i> Koehler and Vaney | +            |            |          |
| 48.                   | <i>Synallactes rigidus</i> Koehler and Vaney                             |              |            | +        |
| 49.                   | <i>Synallactes woodmasoni</i> (Walsh)                                    | +            |            |          |
| Order DENDROCHIROTIDA |                                                                          |              |            |          |
| Family CUCUMARIIDAE   |                                                                          |              |            |          |
| 50.                   | <i>Aslia forbesi</i> (Bell)                                              | +            |            |          |
| 51.                   | <i>Cladolabes acicula</i> Koehler and Vaney                              | +            |            |          |
| 52.                   | <i>Havelockia versicolor</i> (Semper)                                    | +            |            |          |
| 53.                   | <i>Leptopentacta bacilliformis</i> Koehler and Vaney                     | +            |            |          |
| 54.                   | <i>Thyone dura</i> Koehler and Vaney                                     | +            |            |          |
| 55.                   | <i>Trachythyone alcocki</i> (Koehler and Vaney)                          | +            |            |          |
| Family PHYLLOPHORIDAE |                                                                          |              |            |          |
| 56.                   | <i>Actinocucumis typicus</i> Ludwig                                      | +            |            |          |
| 57.                   | <i>Afrocucumis africana</i> (Semper)                                     |              |            | +        |
| 58.                   | <i>Phyllophorus celer</i> Koehler and Vaney                              |              | +          |          |
| 59.                   | <i>Phyrella fragilis</i> (Ohshima)                                       | +            |            |          |
| 60.                   | <i>Pseudocucumis acicula</i> (Semper)                                    | +            |            |          |

| S.<br>No. | Classification and Name                            | Distribution |            |          |
|-----------|----------------------------------------------------|--------------|------------|----------|
|           |                                                    | Andaman Is   | Nicobar Is | A & N Is |
|           | Order DACTYLOCHIROTIDA                             |              |            |          |
|           | Family YPSILOTHURIDAE                              |              |            |          |
| 61.       | <i>Ypsilothuria bitentaculata</i> (Ludwig)         |              |            | +        |
|           | Order ELASIPODIDA                                  |              |            |          |
|           | Family DEIMATIDAE                                  |              |            |          |
| 62.       | <i>Amphideima investigatoris</i> Koehler and Vaney | +            |            |          |
| 63.       | <i>Deima blakei</i> Theel                          | +            |            |          |
| 64.       | <i>Deima validum</i> Theel                         | +            |            |          |
| 65.       | <i>Ophnurgus glaber</i> Walsh                      | +            |            |          |
|           | Family LAETMOGONIDAE                               |              |            |          |
| 66.       | <i>Apodogaster alcocki</i> Walsh                   | +            |            |          |
|           | Family PSYCHROPOTIDAE                              |              |            |          |
| 67.       | <i>Benthodytes typica</i> Theel                    | +            |            |          |
| 68.       | <i>Benthodytes glutinosa</i> Perier                | +            |            |          |
| 69.       | <i>Filithuria elegans</i> Koehler and Vaney        | +            |            |          |
|           | Family PELAGOTHURIIDAE                             |              |            |          |
| 70.       | <i>Euriplastes obscura</i> Koehler and Vaney       | +            |            |          |
|           | Order APODIDA                                      |              |            |          |
|           | Family SYNAPTIDAE                                  |              |            |          |
| 71.       | <i>Leptosynapta</i> sp.                            |              | +          |          |
| 72.       | <i>Ophiodesoma grisea</i> (Semper)                 |              |            | +        |
| 73.       | <i>Patinapta ooplax</i> (von Marenzeller)          | +            |            |          |
| 74.       | <i>Protankyra errata</i> Koehler and Vaney         | +            |            |          |
| 75.       | <i>Protankyra innominata</i> Ludwig                | +            |            |          |
| 76.       | <i>Protankyra timida</i> Koehler and Vaney         | +            |            |          |
| 77.       | <i>Synapta maculata</i> (Chamisso and Eysenhardt)  |              |            | +        |
| 78.       | <i>Synaptula recta</i> (Semper)                    |              |            | +        |
| 79.       | <i>Synaptula striata</i> (Sluiter)                 |              | +          |          |

| S.<br>No.    | Classification and Name                            | Distribution |            |           |
|--------------|----------------------------------------------------|--------------|------------|-----------|
|              |                                                    | Andaman Is   | Nicobar Is | A & N Is  |
|              | Family CHIRIDOTIDAE                                |              |            |           |
| 80.          | <i>Polycheira rufescens</i> (Brandt)               |              |            | +         |
| 81.          | <i>Trochodota havelockensis</i> Rao, G. C.         | +            |            |           |
|              | Family MYRIOTRICHIDAE                              |              |            |           |
| 82.          | <i>Ankyloderma brevicaudatum</i> Koehler and Vaney | +            |            |           |
| 83.          | <i>Ankyloderma danielsseni</i> Theel               | +            |            |           |
| 84.          | <i>Ankyloderma musculus</i> (Risso)                | +            |            |           |
| 85.          | <i>Trochostoma andamanense</i> Walsh               | +            |            |           |
| 86.          | <i>Trochostoma elongatum</i> Koehler and Vaney     | +            |            |           |
|              | Order MOLPADIIDA                                   |              |            |           |
|              | Family CAUDINIDAE                                  |              |            |           |
| 87.          | <i>Acaudina molpadioides</i> (Semper)              |              |            | +         |
| 88.          | <i>Paracaudina australis</i> (Semper)              | +            |            |           |
| <b>Total</b> |                                                    | <b>56</b>    | <b>4</b>   | <b>28</b> |

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*sordida*, *Ophioglypha* Ophiuroidea 25  
*spatagus*, *Echinus* Echinoidea 72  
*spatagus*, *Metalia* Echinoidea 72  
*spatangus* (sic!), *Metalia* Echinoidea 72  
*Spatangus elongata* Echinoidea 78  
*Spatangus sternalis* Echinoidea 73  
*Spatangus subcarinata* Echinoidea 79  
*speciosa*, *Macrophiothrix* Ophiuroidea 87

- speciosa*, *Ophiothrix* Ophiuroidea 87  
*Sphaerothuria bitentaculata* Holothuroidea 61  
*spinosa*, *Disasterina* Asteroidea 31  
*spinosissima*, *Calometra* Crinoidea 39  
*spinosissima*, *Neometra* Crinoidea 39  
*spinulifera*, *Disasterina* Asteroidea 32  
*springeri*, *Comastrocrinus* Crinoidea 48  
*springeri*, *Hypalocrinus* Crinoidea 48  
*squamata*, *Amphipholis* Ophiuroidea 76  
*squamata*, *Asterias* Ophiuroidea 76  
(*Stauropora*) *Holothuria prompta* Holothuroidea 23  
*Stegnobrisinga gracilis* Asteroidea 103  
*Stellaster andamana* Asteroidea 53  
*Stellaster bandana* Asteroidea 53  
*Stellaster belcheri* Asteroidea 53  
*Stellaster childreni* Asteroidea 53  
*Stellaster crassa* Asteroidea 53  
*Stellaster elongata* Asteroidea 53  
*Stellaster equestris* Asteroidea 53  
*Stellaster gracilis* Asteroidea 53  
*Stellaster incei* Asteroidea 53  
*Stellaster indica* Asteroidea 53  
*Stellaster latior* Asteroidea 53  
*Stellaster semoni* Asteroidea 53  
*Stellaster tenuispina* Asteroidea 53  
*stellata*, *Amphiophiura* (*Dictenophiura*) Ophiuroidea 26  
*stellata*, *Dictenophiura* Ophiuroidea 26  
*stellata*, *Ophioglypha* Ophiuroidea 26  
*stelligera*, *Actinometra* Crinoidea 14  
*stelligera*, *Comatella* Crinoidea 14  
*stelligera*, *Ophiothrix* Ophiuroidea 99  
*Stephanometra indica* Crinoidea 28  
*Stephanometra monacantha* Crinoidea 29  
*Stereocidaris alcocki* Echinoidea 7  
*Stereocidaris indica* Echinoidea 8

sternalis, Metalia Echinoidea 73  
*sternalis*, Spatangus Echinoidea 73  
Stichopus chloronotus Holothuroidea 35  
*Stichopus (Gymnochirota) cinerascens* Holothuroidea 22  
*Stichopus (Gymnochirota) leucospilota* Holothuroidea 15  
Stichopus hermanni Holothuroidea 33  
*Stichopus herrmanni* (sic!) Holothuroidea 33  
Stichopus horrens Holothuroidea 34  
*Stichopus japonicus* Holothuroidea 31a  
*Stichopus (Perideris) chloronotus* Holothuroidea 32  
*Stichopus rigidus* Holothuroidea 9  
*Stichopus variegatus hermanni* Holothuroidea 33  
*Stichopus variegatus* Holothuroidea 33  
Stichopus vastus Holothuroidea 35  
Stomopneustes variolaris Echinoidea 24  
*striata*, Asterias Asteroidea 62  
*striata*, Synapta Holothuroidea 79  
*striata*, Synaptula Holothuroidea 79  
*striatus*, Valvaster Asteroidea 62  
stygia, Moira Echinoidea 65  
Stylocidaris albidens Echinoidea 9  
*Stylocidaris bracteata* var. *albidens* Echinoidea 9  
*Stylocidaris brevicollis* Echinoidea 4  
Stylocidaris lorioli Echinoidea 10  
Stylocidaris tiara Echinoidea 11  
Styracaster caroli Asteroidea 22  
Styracaster clavipes Asteroidea 23  
*Styracaster horridus* Asteroidea 22  
*subcarinata*, Lovenia Echinoidea 79  
*subcarinata*, Spatangus Echinoidea 79  
*subfastosum*, Asteroschema Ophiuroidea 6  
*subulata*, Metrodira Asteroidea 94  
*superba*, Ophiolepis Ophiuroidea 10  
*superbus*, Oreaster Asteroidea 58  
*superbus*, Poraster Asteroidea 58

- Synallactes rigidus Holothuroidea 48  
Synallactes woodmasoni Holothuroidea 49  
*Synapta grisea* Holothuroidea 72  
Synapta maculata Holothuroidea 77  
*Synapta ooplax* Holothuroidea 73  
*Synapta recta* Holothuroidea 78  
*Synapta striata* Holothuroidea 79  
Synaptula recta Holothuroidea 78  
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Tamaria dubiosa Asteroidea 81  
Tamaria fusca Asteroidea 82  
Tamaria hirsuta Asteroidea 83  
Tamaria megaloplax Asteroidea 84  
tamilicus, Astropecten Asteroidea 9  
tara, Abyssaster Asteroidea 18  
*tara, Hyphalaster* Asteroidea 18  
Tegulaster ceylanica Asteroidea 35  
*Tegulaster ceylanicus* Asteroidea 35  
Tegulaster emburyi Asteroidea 36  
*Temnechinus scillae* Echinoidea 36  
Temnopleurus apodus Echinoidea 33  
Temnopleurus proctalis Echinoidea 34  
Temnopleurus toreumaticus Echinoidea 35  
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*tenera, Ophioceramis* Ophiuroidea 64  
*tenera, Ophiomoeris* Ophiuroidea 64  
*tenuispina, Stellaster* Asteroidea 53  
*ternalis, Dorigona* Asteroidea 46  
Thalassometra pergracilis Crinoidea 42  
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(Thymiosycia) Holothuria gracilis Holothuroidea 25  
(Thymiosycia) Holothuria hilla Holothuroidea 26  
(Thymiosycia) Holothuria impatiens Holothuroidea 27  
(Thymiosycia) Holothuria remollescens Holothuroidea 28

- Thyone dura Holothuroidea 54  
*Thyone versicolor* Holothuroidea 52  
*tiara*, *Dorocidaris* Echinoidea 11  
*tiara*, *Stylocidaris* Echinoidea 11  
*timida*, *Protankyra* Holothuroidea 76  
*toreumaticus*, *Cidaris* Echinoidea 35  
*toreumaticus*, *Temnopleurus* Echinoidea 35  
*Toxopneustes pileolus* Echinoidea 39  
*Trachythyone alcocki* Holothuroidea 55  
*trigonarius*, *Echinus* Echinoidea 45  
*trigonarius*, *Heterocentrotus* Echinoidea 45  
*Trigonocidaris versicolor* Echinoidea 37  
*trilineata*, *Ophiothrix* (*Ophiothrix*) Ophiuroidea 102  
*trilineata*, *Ophiothrix* Ophiuroidea 102  
*Tripneustes gratilla* Echinoidea 40  
*Trochodota havelockensis* Holothuroidea 81  
*Trochostoma andamanense* Holothuroidea 85  
*Trochostoma elongatum* Holothuroidea 86  
*tuberifer*, *Ophidiaster* Asteroidea 84  
*tumida*, *Fromia* Asteroidea 66  
*typia* (sic!), *Benthodytes* Holothuroidea 67  
*typica*, *Benthodytes* Holothuroidea 67  
*typicus*, *Actinocucumis* Holothuroidea 56  
*typicus*, *Archaster* Asteroidea 37  
*typicus*, *Archaster* Asteroidea 38  
*undulatum*, *Ankyloderma musculus* var. Holothuroidea 84  
*vagabunda*, *Holothuria* Holothuroidea 15  
*valdiviae*, *Eupatagus* (*Gymnopatagus*) Echinoidea 71  
*valdiviae*, *Eupatagus* Echinoidea 71  
*valdiviae*, *Gymnopatagus* Echinoidea 71  
*validum*, *Deima* Holothuroidea 64  
*Valvaster striatus* Asteroidea 62  
*vaneyi*, *Sidonaster* Asteroidea 21  
*vappa*, *Astropecten* Asteroidea 10  
*varians*, *Eudiocrinus* Crinoidea 47

varians, *Pentametrocrinus* Crinoidea 47  
*variegata*, *Ophiocoma insularia* var. Ophiuroidea 35  
*variegatus herrmanni*, *Stichopus* Holothuroidea 33  
*variegatus*, *Stichopus* Holothuroidea 33  
*variolaris*, *Echinus* Echinoidea 24  
*variolaris*, *Stomopneustes* Echinoidea 24  
*vastus*, *Stichopus* Holothuroidea 35  
*verrucosus*, *Pelopatides* Holothuroidea 46  
*versatile*, *Laganum* Echinoidea 54  
*versicolor*, *Havelockia* Holothuroidea 52  
*versicolor*, *Thyone* Holothuroidea 52  
*versicolor*, *Trigonocidaris* Echinoidea 37  
*verticillata*, *Cidarites* Echinoidea 5  
*verticillata*, *Prionocidaris* Echinoidea 5  
*verticillatum*, *Phormosoma* Echinoidea 14  
*verticillatus*, *Ophiocentrus* Ophiuroidea 80  
*verticillatus*, *Phyllacanthus* Echinoidea 5  
*vestita*, *Ophiacantha* Ophiuroidea 59  
*vestitus*, *Chaetaster* Asteroidea 26  
*vigelandi*, *Ophiothrix* (*Acanthophiothrix*) Ophiuroidea 96  
*violacea*, *Echinometra mathaei* Echinoidea 42  
*vitiensis*, *Bohadschia* Holothuroidea 6  
*vitrea*, *Ophiothrix* Ophiuroidea 103  
*vitrea*, *Ophiothrix* (*Ophiothrix*) Ophiuroidea 103  
*vitreus*, *Argopatagus* Echinoidea 80  
*vittatus*, *Coelopleurus* Echinoidea 25  
*vredenburgi*, *Breynia* Echinoidea 77  
*wahlbergi*, *Alecto* Crinoidea 7  
*wahlbergi*, *Comanthus* Crinoidea 7  
*westermanni*, *Pentaceraster* Asteroidea 57b  
*woodmasoni*, *Bathycrinus* Crinoidea 50  
*woodmasoni*, *Milteliphaster* Asteroidea 45  
*woodmasoni*, *Pannychia* Holothuroidea 49  
*woodmasoni*, *Synallactes* Holothuroidea 49  
*xenophilus*, *Dictyaster* Asteroidea 89

- yoldii*, *Ophiopeza* Ophiuroidea 53  
*yoldii*, *Ophiopsammus* Ophiuroidea 53  
*Ypsilothuria* *bitentaculata* Holothuroidea 61  
*zebra*, *Astropecten* Asteroidea 10  
*Zoroaster* *adami* Asteroidea 95  
*Zoroaster* *carinatus* Asteroidea 96  
*Zoroaster* *gilesi* Asteroidea 97

### ADDENDUM

Recently it has come to the notice of the author - thanks to Dr. D.B. James and Dr. P. G. Diwakar, that Kulkarni, S., Saxena, A. and Choudhury, B.C. (2001. *J. Bombay nat. Hist. Soc.* **98** (3) : 480-481) reported two species of holothurians from the Mahatma Gandhi Marine National Park, South Andamans. The report increases the holothurian and consequently the echinoderm fauna of Andaman and Nicobar Islands marginally by two species. These are

Order Aspidochirotida

Family Stichopodidae

***Thelenota ananas*** (Jaeger) South Andamans : MGMNP (Twin Islands, 12 m; Boat Island, 9 m; and Rutland Island, 7 m).

Order Apodida

Family Synaptidae

***Euapta godeffroyi*** Semper South Andamans : MGMNP (Grub Island, 6 m and Jolly Buoy Island, 14 m).

In addition, Dr. D.B. James (2004) reported the following asteroid species from North Andamans.

Order VALVATIDA

Family GONIASTERIDAE

***Calliaster childreni*** Gray

1840. *Calliaster childreni* : Gray, J.E. *Ann. Mag. nat. Hist.*, **6** (37) : 280.

1993. *Calliaster childreni* : Clark, A.M. *Echinoderm Studies*, **4** : 246 ['Japan' (Gray, 1866), S. China]

2004. *Calliaster childreni* : James, D.B. *Fishing Chimes*, **24** (6) : 60. North Andamans- Off Stewart Island, 37m.