

## LIST OF MARINE INVERTEBRATES, MAINLY FROM THE NEW ENGLAND COAST, DISTRIBUTED BY THE UNITED STATES NATIONAL MUSEUM.

## SERIES II.

PREPARED BY RICHARD RATHBUN.

The species enumerated in the present list were collected by the U. S. Fish Commission, mainly during the past four years, and represent a portion of the duplicate material resulting from their sea-coast explorations, and now available for distribution. Several of the species included in these duplicate sets are recent additions to science, obtained by the U. S. Fish Commission steamer Fish Hawk, from the inner edge of the Gulf Stream Slope, south of Martha's Vineyard, during the summers of 1880 and 1881. This region, which was first explored in 1880, has proved to be the richest dredging ground yet discovered upon our coast, both as regards variety of life and abundance of specimens.

Nearly all the species enumerated are included in each set, but of a few species only enough duplicates were secured to supply a portion of the sets. In the printed list to accompany each set sent out, the species omitted from that set will be erased. Except where otherwise indicated, the specimens are all preserved in alcohol. The sets will number about one hundred. The crustacea have been identified, for the most part, by Prof. S. I. Smith, and most of the other species by Prof. A. E. Verrill. The names are mainly those used in the Preliminary Check-list of the Marine Invertebrata of the Atlantic Coast, by A. E. Verrill, edition of 1879. A considerable number of species that have since been described are, however, here included.

WASHINGTON, D. C., November, 1881.

## CRUSTACEA.

## DECAPODA.

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| <p>1. <i>Gelasimus pugnax</i> Smith.<br/>U. S. F. C.—Narragansett Bay, R. I., shore.</p> <p>2. <i>Platyonichus ocellatus</i> Latr.<br/>U. S. F. C.—Vineyard Sound, Mass., shore.</p> <p>3. <i>Platyonichus ocellatus</i> Latr. Young.<br/>U. S. F. C.—Narragansett Bay, R. I.</p> <p>4. <i>Carcinus mænas</i> Leach.<br/>U. S. F. C.—Newport, R. I., shore.</p> <p>5. <i>Panopeus Sayi</i> Smith.<br/>U. S. F. C.—Vineyard Sound, Mass., shore.</p> <p>6. <i>Cancer irroratus</i> Say.<br/>U. S. F. C.—Narragansett Bay, R. I.</p> <p>7. <i>Cancer irroratus</i> Say.<br/>U. S. F. C.—Vineyard Sound, Mass.</p> <p>8. <i>Cancer irroratus</i> Say. Young.<br/>U. S. F. C.—Narragansett Bay, R. I.</p> | <p>9. <i>Hyas coarctatus</i> Leach.<br/>U. S. F. C.—Gulf of Maine.</p> <p>10. <i>Hyas coarctatus</i> Leach.<br/>U. S. F. C.—George's Bank, 45 fath.</p> <p>11. <i>Hyas coarctatus</i> Leach.<br/>U. S. F. C.—Le Have Bank, 45 fath.</p> <p>12. <i>Libinia emarginata</i> Leach.<br/>U. S. F. C.—Narragansett Bay, R. I.</p> <p>13. <i>Euprognatha rastellifera</i> Stimp.<br/>U. S. F. C.—74 miles S. of Nantucket Island,<br/>76 fath.</p> <p>14. <i>Hippa talpoida</i> Say.<br/>U. S. F. C.—Wood's Holl, Mass., shore.</p> <p>15. <i>Eupagurus pollicaris</i> Stimp.<br/>U. S. F. C.—Vineyard Sound, Mass.</p> <p>16. <i>Eupagurus pollicaris</i> Stimp.<br/>U. S. F. C.—Narragansett Bay, R. I.</p> |
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17. *Eupagurus longicarpus* Stimp.  
U. S. F. C.—Narragansett Bay, R. I.
18. *Parapagurus pilosimanus* Smith.  
U. S. F. C.—87 miles S. of Martha's Vineyard, 312 fath.
19. *Munida*, Sp.  
U. S. F. C.—73 miles S. of Martha's Vineyard, 65 fath.
20. *Homarus americanus* Edwards.  
U. S. F. C.—Southern coast of New England.
21. *Crangon vulgaris* Fabr.  
U. S. F. C.—Vineyard Sound, Mass.
22. *Pontophilus brevisrostris* Smith.  
U. S. F. C.—73 miles S. of Martha's Vineyard, 65 fath.
23. *Pandalus leptocerus* Smith.  
U. S. F. C.—60 miles S. of Martha's Vineyard, 45 fath.
24. *Palæmonetes vulgaris* Stimp.  
U. S. F. C.—Narragansett Bay, R. I., shore.

SCHIZOPODA.

25. *Mysis americana* Smith.  
U. S. F. C.—Vineyard Sound, Mass.
26. *Thysanopoda norvegica* M. Sars.  
U. S. F. C.—Bay of Fundy, surface.

AMPHIPODA.

27. *Orchestia agilis* Smith.  
U. S. F. C.—Newport, R. I., shore.
28. *Talorchestia longicornis* Smith.  
U. S. F. C.—New Haven, Conn., shore.
29. *Gammarus natator* Smith.  
U. S. F. C.—Wood's Holl, Mass.
30. *Ptilocheirus pinguis* Stimp.  
U. S. F. C.—Long I. Sd., off Noank, Conn.
31. *Unciola irrorata* Say.  
U. S. F. C.—Off Newport, R. I.
32. *Themisto bispinosa* Boeck.  
U. S. F. C.—87 miles S. of Block Island, R. I., 335 fath. (Stomach of Hake.)

ISOPODA.

33. *Idotea robusta* Kröyer.  
U. S. F. C.—Off Block Island, R. I., surface.
34. *Ligia oceanica* Fabr.  
U. S. F. C.—Newport, R. I., shore.
35. *Æga psora* Kröyer.  
U. S. F. C.—Off Nova Scotia, on cod and halibut.

ENTOMOSTRACA.

36. *Artemia gracilis* Verrill.  
U. S. F. C.—New Haven, Conn., salt vats.

37. *Temora longicornis* Müller.  
U. S. F. C.—Block Island Sound, surface.

CIRRIPEDIA.

38. *Lepas fascicularis* Ellis and Sol.  
U. S. F. C.—Vineyard Sound, Mass., surface.
39. *Lepas anatifera* Linn.  
U. S. F. C.—100 miles off Martha's Vineyard, surface.
40. *Balanus balanoides* Stimp.  
U. S. F. C.—New Haven, Conn., shore.
41. *Balanus porcatus* Costa.  
U. S. F. C.—Off Chatham, Mass., 16 fath.
42. *Balanus Hameri* Darwin.  
U. S. F. C.—Off Chatham, Mass., 16 fath.

MEROSTOMATA.

43. *Limulus Polyphemus* Latr. Dry.  
U. S. F. C.—Southern New England, shore.

ANNELIDA.

CHÆTOPODA.

44. *Aphrodita aculeata* Linné.  
U. S. F. C.—Off Martha's Vineyard, 150 to 216 fath.
45. *Lætmatonice armata* Verrill.  
U. S. F. C.—Off Martha's Vineyard, 140 to 400 fath.
46. *Lepidonotus squamatus* Leach.  
U. S. F. C.—Eastport, Me.
47. *Lepidonotus squamatus* Leach.  
U. S. F. C.—Vineyard Sound, Mass., 8 to 12 fath.
48. *Harmothoë imbricata* Malmgren.  
U. S. F. C.—Eastport, Me.
49. *Nephtys incisa* Mgn.  
U. S. F. C.—Off Newport, R. I., 12 to 40 fath.
50. *Nephtys incisa* Mgn.  
U. S. F. C.—Off Cape Cod, 10 to 50 fath.
51. *Nephtys cæca* Johnston.  
U. S. F. C.—Cape Ann, Mass., shore.
52. *Nereis virens* Malmgren.  
U. S. F. C.—New Haven, Conn., shore.
53. *Nereis pelagica* Linné.  
U. S. F. C.—Vineyard Sound, Mass.
54. *Nereis pelagica* Linné.  
U. S. F. C.—Off Chatham, Mass., 15 to 40 fath.
55. *Hyalinœcia artifex* Verrill.  
U. S. F. C.—90 miles S. of Martha's Vineyard, 160 to 388 fath.

56. *Hyalinœcia artifex* Verrill.  
U. S. F. C.—78 miles S. of Martha's Vineyard, 192 fath.

57. *Hyalinœcia artifex* Verrill. Dry.  
U. S. F. C.—Off Martha's Vineyard, 160 to 388 fath.

58. *Euglycera dibranchiata* Ver.  
U. S. F. C.—Newport, R. I., shore.

59. *Clymenella torquata* Verrill.  
U. S. F. C.—Newport, R. I., shore.

60. *Cirratulus grandis* Verrill.  
U. S. F. C.—Naushon Island, Mass., shore.

61. *Trophonia affinis* Verrill.  
U. S. F. C.—Off Newport, R. I.

62. *Sternaspis fossor* Stimp.  
U. S. F. C.—Off Martha's Vineyard, 20 to 100 fath.

63. *Amphitrite ornata* Verrill.  
U. S. F. C.—Naushon Island, Mass., shore.

64. *Thelepus cincinnatus* Verrill.  
U. S. F. C.—Bay of Fundy.

65. *Thelepus cincinnatus* Verrill.  
U. S. F. C.—Off Chatham, Mass., 16 to 40 fath.

66. *Potamilla reniformis* Mgn.  
U. S. F. C.—Off Chatham, Mass., 16 to 40 fath.

67. *Filigrana implexa* Berkeley.  
U. S. F. C.—Off Chatham, Mass., 16 to 40 fath.

#### GEPHYREA.

68. *Phascolosoma Gouldii* Dies.  
U. S. F. C.—Newport, R. I., shore.

69. *Phascolion Strombi* Theel.  
U. S. F. C.—Narragansett Bay, R. I., 10 to 20 fath.

70. *Phascolion Strombi* Theel.  
U. S. F. C.—Off Martha's Vineyard, 40 to 150 fath.

#### CHÆTOGNATHA.

71. *Sagitta elegans* Verrill.  
U. S. F. C.—Vineyard Sound, Mass., surface.

#### MOLLUSCA.

##### CEPHALOPODA.

72. *Loligo Pealei* Lesueur.  
U. S. F. C.—Vineyard Sound, Mass.

73. *Loligo Pealei* Lesueur. Young.  
U. S. F. C.—Buzzard's Bay., Mass., 7 fath.

74. *Loligo Pealei* Lesueur. Young.  
U. S. F. C.—Off Newport, R. I., 10 to 20 fath.

75. *Loligo Pealei* Lesueur. Eggs.  
U. S. F. C.—Narragansett Bay, R. I.

76. *Heteroteuthis tenera* Verrill.  
U. S. F. C.—Off Martha's Vineyard, 85 to 225 fath.

77. *Octopus Bairdii* Verrill.  
U. S. F. C.—Off Martha's Vineyard, 200 to 388 fath.

#### GASTROPODA.

78. *Fulgur carica* Conrad. Dry.  
U. S. F. C.—Narragansett Bay, R. I.

79. *Fulgur carica* Conrad.  
U. S. F. C.—Narragansett Bay, R. I.

80. *Sycotypus canaliculatus* Gill. Dry.  
U. S. F. C.—Southern New England.

81. *Sycotypus canaliculatus* Gill.  
U. S. F. C.—New Haven, Conn.

82. *Neptunea propinqua* (Alder).  
U. S. F. C.—Off Martha's Vineyard, 65 to 300 fath.

83. *Neptunea (Siphonella) pygmæa* Verrill.  
U. S. F. C.—Off Martha's Vineyard, 65 to 150 fath.

84. *Neptunea Stimpsoni* var. (Möreh).  
U. S. F. C.—Off Martha's Vineyard, 40 to 100 fath.

85. *Buccinum undatum* Linné.  
U. S. F. C.—Off Martha's Vineyard, Mass., 28 to 40 fath.

86. *Tritia trivittata* H. and A. Adams.  
U. S. F. C.—Off Newport, R. I.

87. *Ilyanassa obsoleta* Stimp.  
U. S. F. C.—Newport, R. I., shore.

88. *Urosalpinx cinerea* Stimp.  
U. S. F. C.—Newport, R. I., shore.

89. *Eupleura caudata* Stimp.  
U. S. F. C.—Buzzard's Bay, Mass.

90. *Purpura lapillus* Lamarek.  
U. S. F. C.—Newport, R. I., shore.

91. *Astyris lunata* (Say) Dall.  
U. S. F. C.—Wood's Holl, Mass.

92. *Anachis avara* (Say). Perk.  
U. S. F. C.—Wood's Holl, Mass.

93. *Lunatia heros* H. & A. Adams. Dry.  
U. S. F. C.—Vineyard Sound, Mass.

94. *Neverita duplicata* Stimp. Dry.  
U. S. F. C.—Vineyard Sound, Mass.

- 95. *Cingula Jan-Mayeni* (Fr.) Verrill.**  
U. S. F. C.—Off Martha's Vineyard, 238 to 500 fath.
- 96. *Littorina littorea* Menke.**  
U. S. F. C.—Newport, R. I., shore.
- 97. *Littorina palliata* Gould.**  
U. S. F. C.—Newport, R. I., shore.
- 98. *Littorina rudis* Gould.**  
U. S. F. C.—Newport, R. I., shore.
- 99. *Bittium nigrum* (Totten) Stimp.**  
U. S. F. C.—Wood's Holl, Mass.
- 100. *Crepidula fornicata* Lam.**  
U. S. F. C.—Buzzard's Bay, Mass.
- 101. *Crepidula convexa* Say. Dry.**  
U. S. F. C.—Off Newport, R. I.
- 102. *Crepidula plana* Say.**  
U. S. F. C.—Off Newport, R. I.
- 103. *Acmaea testudinalis* Han.**  
U. S. F. C.—Eastport, Me., shore.
- 104. *Fiona nobilis* Ald. & Han.**  
U. S. F. C.—Off Martha's Vineyard, surface.
- 105. *Pleurobranchia tarda* Verrill.**  
U. S. F. C.—Off Martha's Vineyard, 65 to 200 fath.
- 106. *Scaphander puncto-striatus* (Mighels).**  
U. S. F. C.—Off Martha's Vineyard, 115 to 372 fath.
- 107. *Melampus lineatus* Say.**  
U. S. F. C.—Newport, R. I., shore.
- 108. *Trachydermon ruber* Carp.**  
U. S. F. C.—Eastport, Me.
- 109. *Trachydermon albus* Carp.**  
U. S. F. C.—Eastport, Me.
- SOLENOCONCHA.**
- 110. *Dentalium striolatum* Stimp.**  
U. S. F. C.—Eastport, Me., 10 to 30 fath.
- LAMELLIBRANCHIATA.**
- 111. *Teredo megotara* Hanley.**  
U. S. F. C.—Off Martha's Vineyard, surface.
- 112. *Clidiophora trilineata* Carp. Dry.**  
U. S. F. C.—Buzzard's Bay, Mass., 7 fath.
- 113. *Mulinia lateralis* Gray. Young.**  
U. S. F. C.—Narragansett Bay, R. I.
- 114. *Callista convexa* H. & A. Ad. Dry.**  
U. S. F. C.—Buzzard's Bay, Mass.
- 115. *Totentia gemma* Perkins. Dry.**  
U. S. F. C.—Provincetown, Mass., shore.
- 116. *Cyprina islandica* Lam. Dry.**  
U. S. F. C.—Off Newport, R. I.
- 117. *Loripes lens* Verrill & Smith.**  
U. S. F. C.—Off Martha's Vineyard, 85 to 120 fath.
- 118. *Venericardia borealis* Carp.**  
U. S. F. C.—Off Newport, R. I., 13 to 15 fath.
- 119. *Astarte undata* Gould.**  
U. S. F. C.—Narragansett Bay, R. I., 20 to 27 fath.
- 120. *Astarte crenata* Gray.**  
U. S. F. C.—Off Martha's Vineyard, 100 to 365 fath.
- 121. *Nucula proxima* Say. Dry.**  
U. S. F. C.—Narragansett Bay, R. I.
- 122. *Nucula proxima* Say.**  
U. S. F. C.—Buzzard's Bay, Mass.
- 123. *Yoldia limatula* Woodward.**  
U. S. F. C.—Narragansett Bay, R. I., 11 fath.
- 124. *Yoldia sapotilla* Stimp.**  
U. S. F. C.—76 miles S. of Martha's Vineyard, 100 fath.
- 125. *Yoldia thraciformis* (Storer) Stimp.**  
U. S. F. C.—Gulf of Maine, 50 to 100 fath.
- 126. *Scapharca transversa* Ad. Dry.**  
U. S. F. C.—Off New Haven, Conn.
- 127. *Limopsis minuta* (Phil.).**  
U. S. F. C.—Off Martha's Vineyard, 238 to 365 fath.
- 128. *Modiola modiolus* Turton.**  
U. S. F. C.—Eastport Harbor, Maine.
- 129. *Modiola plicatula* Lam.**  
U. S. F. C.—Newport, R. I., shore.
- 130. *Mytilus edulis* Linn.**  
U. S. F. C.—Newport, R. I., shore.
- 131. *Pecten irradians* Lam.**  
U. S. F. C.—Provincetown, Mass., shore.
- 132. *Pecten tenuicostatus* Mighels.**  
U. S. F. C.—Off Martha's Vineyard, 45 fath.
- 133. *Pecten tenuicostatus* Mighels. Dry.**  
U. S. F. C.—Off Newport, R. I.
- 134. *Pecten vitreus* Woodward.**  
U. S. F. C.—Off Martha's Vineyard, 300 to 458 fath.
- 135. *Anomia glabra* Verrill.**  
U. S. F. C.—Buzzard's Bay, Mass., 5 fath.
- TUNICATA.**
- 136. *Asciidiopsis complanata* Verrill.**  
U. S. F. C.—Eastport Harbor, Me., 15 fath.



137. *Ciona ocellata* Verrill.  
U. S. F. C.—Newport, R. I., shore.
138. *Molgula manhattensis* Verrill.  
U. S. F. C.—Wood's Holl, Mass., shore.
139. *Halocynthia partita* Verrill.  
U. S. F. C.—Newport, R. I., shore.
140. *Halocynthia pyriformis* Verrill.  
U. S. F. C.—Eastport, Me.
141. *Boltenia Bolteni* (Linné).  
U. S. F. C.—Eastport Harbor, Me., 15 fath.
142. *Perophora viridis* Verrill.  
U. S. F. C.—Wood's Holl, Mass., shore.
143. *Botryllus Gouldii* Verrill.  
U. S. F. C.—Newport Harbor, R. I.
144. *Botryllus Gouldii* Verrill.  
U. S. F. C.—Wood's Holl, Mass.
145. *Amorœcium pellucidum* Verrill.  
U. S. F. C.—Vineyard Sound, Mass.
146. *Amorœcium stellatum* Verrill.  
U. S. F. C.—Vineyard Sound, Mass.
147. *Amorœcium constellatum* Verrill.  
U. S. F. C.—Vineyard Sound, Mass.
148. *Leptoclinum albidum* Verrill.  
U. S. F. C.—Vineyard Sound, Mass.

149. *Salpa Caboti* Desor.  
U. S. F. C.—Off Newport, R. I., surface.
150. *Salpa*. (Large species.)  
U. S. F. C.—Off Martha's Vineyard, surface.

## MOLLUSCOIDA.

## BRACHIOPODA.

151. *Terebratulina septentrionalis* Gr.  
U. S. F. C.—Eastport Harbor, Me., 15 fath.

## POLYZOA.

152. *Bugula turrita* Verrill.  
U. S. F. C.—Vineyard Sound, Mass.
153. *Bugula Murrayana* Busk.  
U. S. F. C.—Off Cape Cod, Mass.
154. *Gemellaria loricata* Busk.  
U. S. F. C.—Off Cape Cod, Mass.
155. *Electra pilosa* Fisch.  
U. S. F. C.—Narragansett Bay, R. I.
156. *Lepralia americana* Verrill. Dry.  
U. S. F. C.—Newport Harbor, R. I.
157. *Discopora nitida* Verrill.  
U. S. F. C.—Vineyard Sound, Mass.

## ECHINODERMATA.

## HOLOTHURIOIDEA.

158. *Thyone Briareus* Selenka.  
U. S. F. C.—Wood's Holl, Mass., shore.
159. *Leptosynapta Girardii* Verrill.  
U. S. F. C.—Newport, R. I., shore.

## ECHINOIDEA.

160. *Schizaster fragilis* (Dub. & Kor.) Dry.  
U. S. F. C.—Off Martha's Vineyard, 100 to 258 fath.
161. *Echinarachnius parma* Gray. Dry.  
U. S. F. C.—Cape Cod Bay, Mass.
162. *Strongylocentrotus dröbachien-  
sis* A. Ag.  
U. S. F. C.—Off Newport, R. I.
163. *Arbacia punctulata* Gray.  
U. S. F. C.—Newport Harbor, R. I., shore.

## ASTERIOIDEA.

164. *Asterias Forbesii* Verrill.  
U. S. F. C.—Newport, R. I., shore.
165. *Asterias vulgaris* Verrill.  
U. S. F. C.—Off Martha's Vineyard, 20 to 50 fath.
166. *Asterias stellionura* Perrier.  
U. S. F. C.—Off Nova Scotia, 90 to 200 fath.
167. *Leptasterias compta* Verrill.  
U. S. F. C.—Off Block Id., R. I., 27 fath.
168. *Leptasterias compta* Verrill.  
U. S. F. C.—Off Martha's Vineyard, 25 to 55 fath.
169. *Stephanasterias albula* Verrill.  
U. S. F. C.—80 miles off Nantucket, 94 fath.
170. *Hippasteria phrygiana* Ag. Dry.  
U. S. F. C.—Gulf of Maine, 50 to 100 fath.
171. *Cribrella sanguinolenta* Lütke.  
U. S. F. C.—Bay of Fundy, 10 to 20 fath.
- 172.—*Odontaster hispidus* Verrill.  
U. S. F. C.—Off Martha's Vineyard, 70 to 200 fath.
173. *Ctenodiscus crispatus* D. and Kor.  
U. S. F. C.—Massachusetts Bay.
174. *Archaster americanus* Verrill.  
U. S. F. C.—Off Martha's Vineyard.
175. *Archaster Agassizii* Verrill.  
U. S. F. C.—Off Martha's Vineyard.
176. *Archaster Floræ* Verrill.  
U. S. F. C.—Off Martha's Vineyard, 200 to 350 fath.

**OPHIUROIDEA.**

177. *Ophiopholis aculeata* Gray.  
U. S. F. C.—Gulf of Maine.
178. *Ophiopholis aculeata* Gray.  
U. S. F. C.—Off Martha's Vineyard, 130 to 200 fath.
179. *Ophioglypha Sarsii* Lyman.  
U. S. F. C.—Off Martha's Vineyard, Mass., 45 fath.
180. *Ophioglypha Sarsii* Lym. Dry.  
U. S. F. C.—Off Martha's Vineyard, Mass.
181. *Ophioscolex glacialis* M. & Tr.  
U. S. F. C.—Off Martha's Vineyard, 200 to 258 fath.
182. *Ophiocnida olivacea* Lyman.  
U. S. F. C.—Off Martha's Vineyard, 85 to 125 fath.
183. *Ophiacantha millespina* Verrill.  
U. S. F. C.—Off Martha's Vineyard, 130 to 260 fath.
184. *Amphiura macilentata* Verrill.  
U. S. F. C.—Off Martha's Vineyard, 61 fath.
185. *Astrophyton Agassizii* Stimp.  
U. S. F. C.—Off Cape Cod, Mass., 20 to 30 fath.
186. *Astrophyton Agassizii* Stimp.  
Dry.  
U. S. F. C.—Off Cape Cod, 20 to 30 fath.

**CRINOIDEA.**

187. *Antedon dentatum* (Say) Verrill.  
(= *Sarsii* D. & K.)  
U. S. F. C.—75 miles S. of Nantucket, 146 fath.
188. *Antedon dentatum* (Say) V. (= *Sarsii* D. & K.)  
U. S. F. C.—Off Martha's Vineyard, 183 to 258 fath.

**CCELENTERATA.**

**ANTHOZOA.**

189. *Pennatula aculeata* Dan.  
U. S. F. C.—82 miles S. of Martha's Vineyard, 202 fath.
190. *Renilla reniformis*.  
U. S. F. C.—Beaufort, N. C.
191. *Acanella Normani* Verrill.  
U. S. F. C.—Off Martha's Vineyard.
192. *Alcyonium carneum* Ag.  
U. S. F. C.—Off Cape Cod, 20 to 25 fath.

193. *Metridium marginatum* Edw. & H.  
U. S. F. C.—Newport, R. I., shore.
194. *Sagartia abyssicola* Verrill.  
U. S. F. C.—Off Martha's Vineyard, 100 to 300 fath.
195. *Urticina nodosa* Verrill.  
U. S. F. C.—80 miles S. of Martha's Vineyard, 160 fath.
196. *Halocampa producta* Stimp.  
U. S. F. C.—Newport, R. I., shore.
197. *Epizoanthus americanus* Verrill.  
U. S. F. C.—75 miles S. of Martha's Vineyard, 86 fath.
198. *Epizoanthus paguriphila* Verrill.  
U. S. F. C.—87 miles S. of Martha's Vineyard, 312 fath.

**HYDROIDEA.**

199. *Obelia geniculata* Hincks.  
U. S. F. C.—Off Newport, R. I., 13 fath.
200. *Sertularella tricuspidata* Hincks.  
U. S. F. C.—George's Bank, 30 to 50 fath.
201. *Sertularia cupressina* Linné.  
U. S. F. C.—Off Nova Scotia.
202. *Sertularia pumila* Linné.  
U. S. F. C.—New Haven, Conn.
203. *Diphasia fallax* Agassiz.  
U. S. F. C.—Eastport Harbor, Me., 15 fath.
204. *Globiceps tiarella* Ayres.  
U. S. F. C.—Newport Harbor, R. I.

**PORIFERA.**

**SILICEA.**

205. *Microciona prolifera* Verrill. Dry.  
U. S. F. C.—New Haven, Conn.
206. *Microciona prolifera* Verrill. Dry.  
U. S. F. C.—Wood's Holl, Mass.
207. *Cliona sulphurea* Verrill.  
U. S. F. C.—Narragansett Bay, R. I., 4 fath.
208. *Suberites compacta* Verrill.  
U. S. F. C.—Massachusetts Bay.
209. *Tethya gravata* Hyatt.  
U. S. F. C.—Buzzard's Bay, Mass., 5 fath.

**PROTOZOA.**

**RHIZOPODA.**

210. *Astrorhiza arenacea*. (Sch.)  
U. S. F. C.—Off Block Island, R. I., 28 fath.