

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

SERIES III.—EDUCATIONAL SERIES.

PREPARED BY RICHARD RATHBUN.

The United States National Museum, having received frequent applications for collections representing the principal groups of marine invertebrate animals occurring upon our coast, and suitable for class demonstration, in connection with zoological lectures, has prepared fifty collections of this character, for distribution the present winter. The specimens necessary for this undertaking have been selected from among the duplicates accumulated by the United States Fish Commission, in their explorations of the New England coast, and, therefore, represent only those groups which occur more or less abundantly in the waters of that region. At the present time, it is impossible to enlarge these sets, as many of the representative species, which it would be desirable to include in them, are of too rare occurrence, and have been collected only in small numbers.

The specimens are all preserved in alcohol, unless otherwise indicated in the list, and each set contains all the species enumerated.

WASHINGTON, D. C., *November, 1881.*

CRUSTACEA.

DECAPODA.

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| <p>1. Gelasimus pugnax Smith.
FIDDLER CRAB.
U. S. F. C.—New Haven, Conn., shore.</p> <p>2. Callinectes hastatus Ordway.
BLUE CRAB; EDIBLE CRAB.
U. S. F. C.—Chesapeake Bay.</p> <p>3. Cancer irroratus Say.
ROCK CRAB.
U. S. F. C.—Vineyard Sound, Mass.</p> <p>4. Libinia emarginata Leach.
SPIDER CRAB.
U. S. F. C.—Vineyard Sound, Mass.</p> <p>5. Euprognatha rastellifera Stimp.
U. S. F. C.—74 miles S. of Nantucket Id.,
76 fath.</p> <p>6. Hippa talpoida Say.
SAND BUG; BAIT BUG.
U. S. F. C.—Wood's Holl, Mass., shore.</p> <p>7. Eupagurus pollicaris Stimp.
HERMIT CRAB.
U. S. F. C.—New Haven, Conn.</p> | <p>8. Eupagurus longicarpus Stimp.
HERMIT CRAB.
U. S. F. C.—Narragansett Bay, R. I., 5 to
15 fath.</p> <p>9. Parapagurus pilosimanus Smith.
HARRY-CLAWED HERMIT CRAB.
U. S. F. C.—87 miles S. of Martha's Vine-
yard, 312 fath.</p> <p>10. Munida, sp.
U. S. F. C.—73 miles S. of Martha's Vine-
yard, 65 fath.</p> <p>11. Homarus americanus Edw.
AMERICAN LOBSTER.
U. S. F. C.—New England coast.</p> <p>12. Crangon vulgaris Fabr.
COMMON SHRIMP.
U. S. F. C.—Narragansett Bay, R. I.</p> <p>13. Pandalus leptocerus Smith.
DEEP-WATER PRAWN.
U. S. F. C.—60 miles S. of Martha's Vine-
yard, 45 fath.</p> <p>14. Palæmonetes vulgaris Stimp.
COMMON PRAWN.
U. S. F. C.—Narragansett Bay, R. I.</p> |
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SCHIZOPODA.

15. *Thysanopoda norvegica* M. Sars.
SURFACE SHRIMP.
U. S. F. C.—Bay of Fundy, surface.

AMPHIPODA.

16. *Orchestia agilis* Smith.
SAND FLEA; BEACH FLEA.
U. S. F. C.—Newport, R. I., shore.
17. *Talorchestia longicornis* Smith.
LARGE SAND FLEA.
U. S. F. C.—New Haven, Conn., shore.
18. *Ptilocheirus pinguis* Stimp.
U. S. F. C.—Long Id. Sd., off Noank, Conn.

ISOPODA.

19. *Idotea robusta* Kröyer.
U. S. F. C.—Off Block Id., R. I., surface.

20. *Ligia oceanica* Fabr.
U. S. F. C.—Newport, R. I., shore.

ENTOMOSTRACA.

21. *Artemia gracilis* Verrill.
BRINE SHRIMP.
U. S. F. C.—New Haven, Conn.

22. *Temora longicornis* Müller.
MENHADEN FEED.
U. S. F. C.—Block Id. Sound, surface.

CIRRIPEDIA.

23. *Lepas fascicularis* Ellis and Sol.
CLEAR GOOSE BARNACLE.
U. S. F. C.—Vineyard Sound, Mass., surface.

24. *Lepas anatifera* Linn.
GOOSE BARNACLE.
U. S. F. C.—100 miles off Martha's Vineyard, surface.

25. *Balanus balanoides* Stimp. Dry.
ROCK BARNACLE; ACORN SHELL.
U. S. F. C.—New Haven, Conn., shore.

MEROSTOMATA.

26. *Limulus Polyphemus* Latr. Dry.
KING CRAB; HORSE-SHOE CRAB.
U. S. F. C.—Vineyard Sound, Mass., shore.

ANNELIDA.

CHÆTOPODA.

27. *Lepidonotus squamatus* Kinb.
U. S. F. C.—Bay of Fundy.
28. *Lætmatonice armata* Verrill.
U. S. F. C.—Off Martha's Vineyard, 100-200 fath.

29. *Nephtys cæca* Johnst.
U. S. F. C.—Cape Ann, Mass., shore.

30. *Nereis virens* Malmgren.
CLAM WORM; BAIT WORM.
U. S. F. C.—Newport, R. I., shore.

31. *Hyalinœcia artifex* Verrill.
DEEP SEA, TUBE-DWELLING WORM.
U. S. F. C.—80 miles off Martha's Vineyard, 192 fath.

32. *Hyalinœcia artifex* Verrill. Dry.
(TUBES ONLY).
U. S. F. C.—Off Martha's Vineyard, Mass., about 200 fath.

GEPHYREA.

33. *Phascolosoma Gouldii* Dies.
(SIPUNCULOID WORM.)
U. S. F. C.—Newport, R. I., shore.

34. *Phascolion Strombi* Theel.
(SIPUNCULOID WORM.)
U. S. F. C.—Narragansett Bay, R. I., 16 fath.

CHÆTOGNATHA.

35. *Sagitta elegans* Verrill.
U. S. F. C.—Vineyard Sd., Mass., surface.

MOLLUSCA.

CEPHALOPODA.

36. *Loligo Pealei* Lesueur.
SQUID.
U. S. F. C.—Vineyard Sound, Mass.
37. *Loligo Pealei* Lesueur. Eggs.
SQUID.
U. S. F. C.—Narragansett Bay, R. I.

GASTROPODA.

38. *Buccinum undatum* Linn.
WHEEL.
U. S. F. C.—Eastport, Me., shore.
39. *Tritia trivittata* H. & A. Ad.
U. S. F. C.—Off Newport, R. I.
40. *Ilyanassa obsoleta* Stimpson.
BLACK MUD-SNAIL.
U. S. F. C.—Gloucester, Mass., shore.
41. *Purpura lapillus* Lamarck.
PURPLE.
U. S. F. C.—Barnstable, Mass., shore.
42. *Littorina littorea* Menke.
PERIWINKLE.
U. S. F. C.—Gloucester, Mass., shore.
43. *Littorina palliata* Gould.
SMALL PERIWINKLE.
U. S. F. C.—Gloucester, Mass., shore.

March 8, 1882.

44. *Crepidula fornicata* Lam. Dry.
DOUBLE-DECKER; BOAT SHELL.
U. S. F. C.—New Haven, Conn.

45. *Trachydermon albus* Carp.
U. S. F. C.—Eastport, Me.

46. *Acmaea testudinalis* Han.
LIMPET.
U. S. F. C.—Eastport, Me., shore.

47. *Melampus lineatus* Say.
SALT-MARSH SNAIL.
U. S. F. C.—Newport, R. I., shore.

SOLENOCONCHA.

48. *Dentalium striolatum* Stimp.
U. S. F. C.—Eastport, Me.

LAMELLIBRANCHIATA.

49. *Mya arenaria* Linn.
LONG CLAM.
U. S. F. C.—Gloucester, Mass., shore.

50. *Clidiophora trilineata* Carp. Dry.
U. S. F. C.—Buzzard's Bay, Mass., 7 fath.

51. *Mulinia lateralis* Gray. Young.
U. S. F. C.—Narragansett Bay, R. I.

52. *Venus mercenaria* Linn.
ROUND CLAM; QUAHOG.
U. S. F. C.—Southern New England.

53. *Totentia gemma* Perkins. Dry.
U. S. F. C.—Provincetown, Mass., shore.

54. *Nucula proxima* Say.
U. S. F. C.—Narragansett Bay, R. I.

55. *Mytilus edulis* Linn.
COMMON MUSSEL.
U. S. F. C.—Newport, R. I., piles of wharves.

56. *Modiola modiolus* Turton.
HORSE MUSSEL.
U. S. F. C.—Eastport, Me., shore.

57. *Modiola plicatula* Lamarck.
RIBBED MUSSEL.
U. S. F. C.—Newport, R. I., shore.

58. *Pecten irradians* Lam.
COMMON SCOLLOP.
U. S. F. C.—Buzzard's Bay, Mass.

59. *Pecten tenuicostatus* Mighels.
SMOOTH SCOLLOP.
U. S. F. C.—Off Martha's Vineyard, 45 fath.

60. *Pecten tenuicostatus* Mighels. Dry.
SMOOTH SCOLLOP.
U. S. F. C.—Off Martha's Vineyard.

61. *Anomia glabra* Verrill.
SILVER-SHELL; GOLD-SHELL; JINGLE-SHELL.
U. S. F. C.—Buzzard's Bay, Mass., 5 fath.

62. *Ostrea Virginiana* Lister. Dry.
OYSTER.
U. S. F. C.—Chesapeake Bay.

TUNICATA.

63. *Ascidiopsis complanata* Verrill.
SEA POTATO.
U. S. F. C.—Eastport Harbor, Me., 15 fath.

64. *Molgula manhattensis* Verrill.
U. S. F. C.—Race Point, Cape Cod, Mass., shore.

65. *Halocynthia partita* Verrill.
U. S. F. C.—Wood's Holl, Mass., shore.

66. *Boltenia Bolteni* (Linn.)
STEMMED SEA-PEACH.
U. S. F. C.—Eastport Harbor, Me., 15 fath.

67. *Botryllus Gouldii* Verrill.
U. S. F. C.—Newport Harbor, R. I.

68. *Amorœcium pellucidum* Verrill.
U. S. F. C.—Vineyard Sound, Mass.

69. *Amorœcium stellatum* Verrill.
U. S. F. C.—Vineyard Sound, Mass.

70. *Amorœcium constellatum* Verrill.
U. S. F. C.—Vineyard Sound, Mass.

71. *Leptoclinum albidum* Verrill.
U. S. F. C.—Vineyard Sound, Mass., 14 fath.

72. *Salpa Caboti* Desor.
U. S. F. C.—Off Newport, R. I., surface.

MOLLUSCOIDA.

BRACHIOPODA.

73. *Terebratulina septentrionalis* Gray.
LAMP SHELL.
U. S. F. C.—Eastport Harbor, Me., 15 fath.

POLYZOA.

74. *Bugula turrata* Verrill.
U. S. F. C.—Narragansett Bay, R. I., 4 fath.

75. *Electra pilosa* Fisch.
U. S. F. C.—Narragansett Bay, R. I.

76. *Lepralia americana* Verrill.
U. S. F. C.—Newport Harbor, R. I.

ECHINODERMATA.

HOLOTHURIOIDEA.

77. *Thyone Briareus* Selenka.
SEA-CUCUMBER.
U. S. F. C.—Wood's Holl, Mass., shore.

ECHINOIDEA.

78. *Strongylocentrotus dröbachiensis*
A. Ag.
COMMON SEA-URCHIN; GREEN SEA EGG.
U. S. F. C.—Off Newport, R. I.

79. *Arbacia punctulata* Gray.
PURPLE SEA-URCHIN.
U. S. F. C.—Newport Harbor, R. I., shore.
80. *Echinarachnius parma* Gray. Dry.
SAND-DOLLAR.
U. S. F. C.—Cape Cod Bay, Mass.

ASTERIOIDEA.

81. *Asterias Forbesii* Verrill.
GREEN STAR-FISH.
U. S. F. C.—Newport, R. I., shore.
82. *Leptasterias compta* Verrill.
U. S. F. C.—18 miles S. E. of Block Island,
R. I., 27 fath.
83. *Ctenodiscus crispatus* D. and Kor.
VELVET STAR.
U. S. F. C.—Massachusetts Bay.
84. *Archaster americanus* Verrill.
U. S. F. C.—Off Martha's Vineyard, Mass.,
about 200 fath.

OPHIUROIDEA.

85. *Ophiopholis aculeata* Gray.
VARIEGATED SERPENT-STAR.
U. S. F. C.—Gulf of Maine.
86. *Ophioglypha Sarsii* Lyman.
SARS' SERPENT-STAR.
U. S. F. C.—Off Martha's Vineyard, 45 fath.
87. *Ophioglypha Sarsii* Lyman. Dry.
SARS' SERPENT-STAR.
U. S. F. C.—Off Martha's Vineyard, Mass.,
about 200 fath.
88. *Astrophyton Agassizii* Stimp.
BASKET-FISH.
U. S. F. C.—Off Cape Cod, Mass.

CRINOIDEA.

89. *Antedon dentatum* (say) V. (= *Sarsii*
D. & K.). See No. 187, page 303.)
FEATHER STAR.
U. S. F. C.—75 miles S. of Nantucket, 146
fath.

CCELENTERATA.

ANTHOZOA.

90. *Pennatula aculeata* Dan.
SPINY SEA-FEATHER.
U. S. F. C.—82 miles S. of Martha's Vine-
yard, 202 fath.

91. *Acanella Normani* Verrill.
JOINTED BUSH-CORAL.
U. S. F. C.—Off Martha's Vineyard, about
200 fath.
92. *Primnoa reseda* Verrill.
BUSH-CORAL.
U. S. F. C.—Fishing Banks, off Nova Sco-
tia.
93. *Urticina nodosa* Verrill.
WARTY SEA-ROSE.
U. S. F. C.—80 miles S. of Martha's Vine-
yard, 160 fath.
94. *Epizoanthus americanus* Verrill.
U. S. F. C.—75 miles S. of Martha's Vine-
yard, 86 fath.
95. *Epizoanthus paguriphila* Verrill.
U. S. F. C.—87 miles S. of Martha's Vine-
yard, 86 fath.

HYDROIDEA.

96. *Obelia geniculata* Hincks.
U. S. F. C.—Off Block Island, R. I., 13 fath.
97. *Diphasia fallax* Agassiz.
U. S. F. C.—Eastport Harbor, Me., 15 fath
98. *Globiceps tiarella* Ayres.
U. S. F. C.—Newport Harbor, R. I.

PORIFERA.

SILICEA.

99. *Chalina oculata* Bowerb. Dry.
FINGER-SPONGE.
U. S. F. C.—Narragansett Bay, R. I.
100. *Suberites compacta* Verrill. Dry.
U. S. F. C.—Buzzard's Bay, Mass.
101. *Cliona sulphurea* Verrill.
BORING SPONGE.
U. S. F. C.—Buzzard's Bay, Mass.

PROTOZOA.

RHIZOPODA.

102. *Astrorhiza arenacea* (Sch.)
U. S. F. C.—20 miles S. E. of Block Island,
R. I., 28 fath.