

REPORT

ON THE

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GEOLOGY OF SOUTH CAROLINA; *Geological* *& agricultural survey*

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APPENDIX.

CATALOGUE

OF THE

FAUNA OF SOUTH CAROLINA.

I. DIVISION. VERTEBRATED ANIMALS.

An internal osseous skeleton. Organs of the functions of relation symmetrically placed about a vertical median plane. Nervous system, composed of a cerebo-spinal axis, and nerves.

I. SUBDIVISION. VIVIPAROUS.

Young brought forth alive, and suckled. Lower jaw articulated directly with the skull. Occiput articulated with first vertebra, by two distinct condyles. Diaphragm complete.

I. CLASS. MAMMIFERA.

Breathe by lungs, respiration simple. Temperature constant, not depending on that of surrounding medium, warm-blooded. Circulation complete, heart with four cavities. Vertebræ with anterior and posterior surfaces flat or slightly concave. Body generally clothed with hair.

I. ORDER. QUADRUMANA.

Limbs four, terminating in hands, with nails. Frugivorous, teeth of three kinds, incisors, canines, and molars. Monkeys, &c. None of this order in South Carolina.

II. ORDER. CARNIVORA.

Limbs four, terminating in feet, with nails. Carnivorous, teeth of three kinds, molars trenchant.

1. Ursus	Lin.		6. Lutra	Storr.	
1. americanus	Pall.	Black Bear.	6 canadensis	Sab.	Otter.
2. Procyon	Storr.		7. Canis	Lin.	
2 lotor	Lin.	Raccoon.	7 lupus	Lin.	Wolf.
3. Mephitis	Cuv.		8. Vulpes	Cuv.	
3. chinga	Tied.	Skunk.	8 virginianus	Schr.	Fox.
4. Mustela	Lin.		9. Lynx	Raf.	
4 erminea	Lin.	Weasel.	9 rufus	Guld	Wild Cat.
5. Putorius	Cuv.		10. discolor	Lin.	Panther.
5. vison	Lin.	Mink.			

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III. ORDER. AMPHIBIA.

Limbs four, short, formed for swimming, with nails. Carnivorous, teeth of three kinds, molars trenchant. Seals, &c. None in South Carolina.

IV. ORDER. CHEIROPTERA.

Limbs four, formed for flying, by a membranous expansion of skin between the limbs, and between the fingers, with nails. Insectivorous (in So. Ca.) or frugivorous (not in So. Ca.) Teeth of three kinds, molars not trenchant.

8. Vespertilio	Lin.		9. Nycticeus	Raf.	
11. carolinensis	Geof.	Leather wing Bat.	17. pruinósus	Say.	
12. subulátus	Say.		18. noveboracensis	Penn.	Red Bat.
13. monticola	Bach.		19. crepuscularis	Lec.	
14. virginianus	Bach.		20. Molóssus	Geof.	
15. nigréscens	Bach.		20. carolinensis	Geof.	
16. noctivagans	Lec.		11. Plecótis	Geof.	
			21. macrótis	Lec.	Long-eared Bat.

V. ORDER. INSECTIVORA.

Limbs four, terminating in feet, with nails. Insectivorous, teeth of three kinds, molars not trenchant, but studded with conical points. Animals fossorial.

12. Sórex.	Lin.	Shrews,	13. Condylúra	Ill.	
22. brevicáudis	Say.	generally but im-	26. cristáta	Lin.	Starnosed Mole.
23. cinéreus	Bach.	properly, called	14. Scálops	Cuv.	
24. carolinensis	Bach.	Field-Mice.	27. aquáticus	Lin.	Common Mole.
25. longiróstris	Bach.				

VI. ORDER. RODENTIA.

Limbs four, terminating in feet, with nails. Food generally fruits, roots, bark, &c. teeth of two kinds only, incisors and molars, the last with flat crowns.

15. Sciúrus	Lin.		19. Arctomys	Gm	
28. capistrátus	Bosc.	Fox Squirrel.	40. mónax	Lin.	Woodchuck.
29. carolinensis	Gm.	Grey Squirrel.	20. Meriones	F. Cuv.	
16. Támias	Ill.		41. canadensis	Penn.	Jumping Mouse.
30. Lísteri	Ray.	Ground Squirrel.	21. Arvícola	Lac.	
17. Ptéromys	Cuv.		42. pinetórum	Lec.	Pine Mouse.
31. volucélla	Gm.	Flying Squirrel.	22. Sigmodon	S. & O.	
18. Mus.	Lin.		43. híspidum	S. & O.	Cotton Rat.
32. ráttus	Lin.	Black Rat.	23. Neótoma	S. & O.	
33. decumánus	Lin.	Norway Rat.	44. floridána	S. & O.	Wood Rat.
34. músculus	Lin.	House Mouse.	24. Fíber	Ill.	
35. húmilis	Bach.		45. zibéthicus	Lin.	Musk Rat.
36. oryzívora	Bach.		25. Lépús	Lin.	
37. carolinensis	Bach.		46. palústris	Bach.	Swamp Rabbit.
38. leúcopus	Raf.		47. sylváticus	Bach.	Common Rabbit.
39. auréolus	Bach.				

VII. ORDER. EDENTATA.

Limbs four, terminating in feet, with large nails. Insectivorous or herbivorous; teeth incomplete, incisors always wanting; in some, the canines and molars also. Armadillo, Anteater, &c. None in South Carolina.

VIII. ORDER. PACHYDERMATA.

Limbs four, terminating with feet, with hoofs. Herbivorous generally, not ruminating, teeth variable. Elephant, Hog, Horse, &c. None in South Carolina.

IX. ORDER. RUMINANTIA.

Limbs four, terminating with feet, with hoofs. Herbivorous, ruminating, stomachs four. Teeth incomplete, incisors wanting in upper jaw, canines generally wanting. Head generally with horns.

26. Cérvus	Lin.	
48. virginiánus	Gm.	Deer.

X. ORDER. CETACEA.

Limbs two, the anterior only existing, formed for swimming, finlike. Tail forming a horizontal fin. Body pisciform.

27. Delphínus	Lin.	
49. phocoéna.	Lin.	Porpoise.

XI. ORDER. MARSUPIALIA.

Limbs four, terminating in feet, with náils. Young born very imperfect, and received into an external abdominal pouch, where they attain the perfect state. Pelvis furnished with marsupial bones.

28. Didélphis	Lin.	
50. virginiánus	Penn.	Opossum.

The following Mammifera formerly existed in South Carolina, but have become extinct.

Cástor fíber	Buff.	Beaver	now found west of Alleghany Mountains.
Cérvus strongylóceros	Schr.	Elk	" " M'ts. from Penns. to Pacific.
Bos americánus	Gm.	Bison	" in plains of Rocky Mountains.

2. SUBDIVISION. OVIPAROUS.

Young produced from an egg, not suckled. Lower jaw articulated indirectly with the skull by means of an intermediate bone. Occipital bone never articulated with first vertebra by two distinct condyles. Diaphragm rudimentary.

2. CLASS. BIRDS.

Breathe by lungs, respiration double, the air permeating not only the lungs, but all parts of the body. Temperature constant, not depending on that of the surrounding medium, warmblooded. Circulation complete, heart with four cavities. Vertebrae with anterior or superior surface concave, posterior convex. Occipital bone with a single condyle. Body clothed with feathers.

I. ORDER. RAPACES.

Terrestrial. Beak and claws powerful, hooked. Carnivorous.

1. Family Diurnal. Eyes lateral.

1. Cathártus	Ill.	Turkey Buzzard.	3. Haliætus	Sav.	
1. aúra	Lin.	Red headed Res.	5. Washingtoni	Aud.	
2. atrátus	Wils.	Black headed Res.	6. leucocéphalus	Lin.	Bald Eagle Res.
2. Búteo	Bech.		4. Pándion	Sav.	
3. boreális	Gm.	Hen Hawk. Res.	7. haliætus	Lin.	Fish Hawk Res.
4. lineátus	Gm.	Chicken Hawk Res.			

5. <i>Elanus</i>	Sav.		12. <i>columbárius</i>	Lin.	Pigeon Hawk	Win.
8. <i>díspar</i>	Tem.		13. <i>sparvérius</i>	Lin.	Sparrow Hawk	Res.
6. <i>Ictínia</i>	Viel.		9. <i>Astur</i>	Cuv.		Win.
9. <i>plúmbea</i>	Gm.		14. <i>Coóperi</i>	Bon.		
7. <i>Nauclérus</i>	Vig.		15. <i>fúscus</i>	Gm.		
10. <i>furcátus</i>	Lin.	Swallowtailed H.	10. <i>Circus</i>	Bech		Res.
8. <i>Fálco</i>	Lin.		16. <i>cyáneus</i>	Lin.		
11. <i>peregrínus</i>	Gm.	Win.				

2. *Family Nocturnal.* Eyes looking forward.

11. <i>Súrnia</i>	Dum.		14. <i>Búbo</i>	Cuv.		
17. <i>nyctea</i>	Lin.	White Owl	20. <i>virginiánu.</i>	Gm.	Horned Owl	Res.
12. <i>Strix</i>	Lin.		21. <i>ásio</i>	Lin.	Screech Owl	Res.
18. <i>americána</i>	Aud.	Barn Owl.	15. <i>Otus</i>	Cuv.		
13. <i>Syrnium</i>	Sav.		22. <i>brachyótu</i>	Flem.	} Shorteared Owl.	Win.
19. <i>nebulósum</i>	Lin.	Hooting Owl.				

II. ORDER. PASSERINÆ.

Terrestrial. Birds not possessing the characters assigned to the other orders, insectivorous, frugivorous or granivorous.

1. *Family. Dentirostres.* Beak notched near the tip, variable in form.

16. <i>Lánius</i>	Lin.		46. <i>icterocéphalus</i>	Lath.		
23. <i>ludovicíanus</i>	Lin.	Loggerhead	47. <i>pínus</i>	Lath.		Res.
17. <i>Muscícapa</i>	Lin.		48. <i>virens</i>	Lath.		
24. <i>tyránnus</i>	Lin.	King-bird	49. <i>cærúlea</i>	Wils.		
25. <i>críníta</i>	Lin.		50. <i>Blackbúrníæ</i>	Lath.		
26. <i>Coóperi</i>	Nutt.		51. <i>æstiva</i>	Gm.		
27. <i>acádica</i>	Gm.		52. <i>petéchia</i>	Lath.		Win.
28. <i>fúsca</i>	Gm.		53. <i>americána</i>	Lath.		
29. <i>virens</i>	Lin.		54. <i>canadénsis</i>	Lin.		
30. <i>ruticílla</i>	Lin.		55. <i>maculósa</i>	Lath.		
18. <i>Culecívora</i>	Swa.		56. <i>díscolor</i>	Viel.		
31. <i>cærúlea</i>	Lath.		24. <i>Tríchas</i>	Swa.		
19. <i>Víreo</i>	Viel.		57. <i>marylándica</i>	Lin.		
32. <i>flávifrons</i>	Viel.		25. <i>Mniotílla</i>	Viel.		
33. <i>solitáriu</i>	Viel.		58. <i>vária</i>	Lin.		
34. <i>noveboracénsis</i>	Gm.		26. <i>Helináia</i>	Aud.		
35. <i>gilvus</i>	Viel.		59. <i>Swaínsoni</i>	Aud.		
36. <i>Bártrami</i>	Swa.		60. <i>vermívora</i>	Lath.		
37. <i>oliváceus</i>	Lin.		61. <i>protonotáriu</i>	Lath.		
20. <i>Ictéria</i>	Viel.		62. <i>chrysóptera</i>	Lin.		
38. <i>víridis</i>	Gm.		63. <i>Báchmani</i>	Aud.		
21. <i>Bombycílla</i>	Bris.		64. <i>peregrína</i>	Wils.		
39. <i>carolinénsis</i>	Bris.	Sealing Wax Bird.	65. <i>solitáriu</i>	Wils.		
22. <i>Myiodióctes</i>	Aud.		66. <i>celáta</i>	Say.		Win.
40. <i>mitrátus</i>	Lath.		67. <i>rubricapílla</i>	Wils.		
41. <i>Wilsoni</i>	Bon.		27. <i>Régulus</i>	Cuv.		
23. <i>Sylvícola</i>	Swa.		68. <i>sátrapa</i>	Lich.		Win.
42. <i>coronáta</i>	Lath.		69. <i>caléndula</i>	Lin.		Win.
43. <i>striáta</i>	Lath.		28. <i>Siália</i>	Swa.		
44. <i>pénsilis</i>	Lath.		70. <i>siális</i>	Wils.	Bluebird	Win.
45. <i>castánea</i>	Wils.					

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29. Orpheus	Swa.			32. Seiúrus.	Swa.		
71. polyglóttus	Lin.	Mockingbird.	Res.	79. auricapillus	Lin.		
72. carolinénsis	Lin.	Catbird.	Res.	80. noveboracénsis	Gm.		
73. rúfus	Lin.	Thrush.	Res.	33. Troglódytes	Cuv.		
30. Túrduš	Lin.			81. ludoviciánus	Gm.		Res.
74. migratórius	Lin.	Robin.	Win.	82. Béwicki	Aud.		
75. mustelinus	Gm.			83. americanus	Aud.		Win.
76. Wilsoni	Bon.			84. hyemális	Viel.		Win.
77. solitárius	Wils.		Win.	85. palústris	Wils.		Res.
31. Anthus	Bech.			86. breviróstris	Nutt.		Win.
78. ludoviciánus	Lich.		Win.				

2. Family. *Fissirostres*. Beak, short, broad, flat, opening wide.

34. Hirúndo	Lin.			92. pelásgica	Lin.	{ Chimney	Sum.
87. purpúrea	Lin.	Purple Martin	Sum.			{ Swallow	
88. bicolor	Viel.	{ Whitebellied	Sum.	36. Caprimúlgus	Lin.		
		{ Swallow		93. carolinénsis	Gm.	{ Chuck-Wills-	Sum.
89. rústica	Lin.		Sum.			{ Widow	
90. ripária	Lin.	Sand Martín	Sum.	94. vocíferus	Wils.	Whippoorwill	Sum
91. serripénnis	Aud.		Sum.	37. Chordéiles	Swa.		
35. Chætúra	Steph.			95. virginianus		Night Hawk	Sum.

3. Family. *Conirostres*. Beak, conical, strong, without notches.

38. Alaúda	Lin.			119. leúcophrys	Gm.		
96. alpestris	Lin.			48. Pípilo	Viel.		
39. Párus	Lin.			120. erythrophthál-	Lin.		
97. bicolor	Lin.	Chicadee	Res.	mus			
98. carolinénsis	Aud.		Res.	49. Eythrospíza	Bon.		
40. Emberiza	Lin.			121. purpúrea	Gm.		Win.
99. americana	Gm.		Sum.	50. Coccóborus	Swa.		
100. graminea	Gm.		Wint.	122. cæruleus	Lin.		
101. savána	Wils.		Win.	123. ludoviciánus	Lin.		
102. passerina	Wils.			51. Pitylus	Cuv.		
103. Hénslowi	Aud.		Win.	124. cardinalis	Lin.	Redbird.	Res.
104. pusilla	Wils.		Win.	52. Pyránga	Viel.		
105. sociális	Wils.		Win.	125. æstiva	Gm.	{ Summer Red-	Sum.
41. Niphœa	Aud.					{ bird	
106. hyemális	Lin.	Snowbird	Win.	126. rúbra	Lin.		Sum.
42. Spíza	Bon.			53. Dolichonyx	Swa.		
107. ciris	Tem.	Nonpareil	Sum.	127. oryzivora	Lin.	Ricebird.	
108. cyána	Wils.	Indigo-bird	Sum.	54. Molóthrus	Swa.		
43. Ammódramus	Swa.			128. pécoris	Gm.	Cowbird	Win.
109. maritima	Wils.		Res.	55. Ageláius	Swa.		
110. Macgillivraí	Aud.		Sum.	129. phæniceus	Lin.	{ Redwing	Res.
111. caudacútus	Gm.		Res.			{ Blackbird	
112. palústris.	Wils.		Win.	56. Icterus	Bris.		
44. Peucaea	Aud.			130. baltimóre	Lin.	{ Fire bird	Sum.
113. Báchmani	Aud.		Sum.			{ Hangnest	
45. Linária	Ray.			131. spúrius	Gm.		
114. pinus	Wils.		Win.	57. Quiscalus	Viel.		
46. Carduélis	Cuv.			132. májor	Viel.	Jackdaw	Res.
115. tristis	Lin.	{ May bird	Sum.	133. versicolor	Viel.		Res.
		{ Goldfinch		134. ferrugineus	Lath.		Win.
47. Fringilla	Lin.			58. Sturnélla	Viel.		
116. iliaca	Mer.		Win.	135. ludoviciána	Lin.	Lark	Res.
117. melódia	Wils.		Win.	59. Córvus	Lin.		
118. pennsylvánica	Lath.		Win.	136. córax.	Lin.	Raven	Res.

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137. <i>americanus</i>	Aud. Crow	Res.	60. <i>Garrulus</i>	Bris.	
138. <i>ossifragus</i>	Wils. Fish Crow	Res.	139. <i>crístátus</i>	Lin. Bluejay	Res.

4. *Family. Tenuirostres.* Beak, slender, elongated, sometimes arcuated.

61. <i>Sitta</i>	Lin.		62. <i>Cérthia</i>	Lin.	
140. <i>carolinénsis</i>	Lin.	Res.	142. <i>familiáris</i>	Lin.	Win.
141. <i>pusilla</i>	Lath.	Res.	63. <i>Tróchilus</i>	Lin.	
			143. <i>cólubris</i>	Lin. Hummingbird	Sum.

5. *Family. Syndactylæ.* Outer toe united to the middle one as far as the last joint.

64. <i>Alcedo</i>	Lin.			
144. <i>ácyon</i>	Lin.	Kingfisher	Res.	

III. ORDER. SCANSORES.

Terrestrial. Toes two, directed forwards and two backwards. Insectivorous, frugivorous, or granivorous.

65. <i>Picus</i>	Lin. Woodpeckers		153. <i>aurátus</i>	Lin. Lark W.	Res.
145. <i>principális</i>	Lin. Ivorybilled W.	Res.	66. <i>Centúrus</i>	Kuhl.	
146. <i>pileátus</i>	Lin. Log-cock	Res.	154. <i>carolinénsis</i>	Lin. { Carolina Par-	
147. <i>villósus</i>	Lin.	Res.	67. <i>Coccyzus</i>	Viel. { rokeet.	
148. <i>pubéscens</i>	Lin.	Res.	155. <i>americanus</i>	Lin. { Yellowbilled	
149. <i>quérulus</i>	Wils.	Res.	156. <i>erythrophthal-</i>	Wils. { Blackbilled Sum.	
150. <i>várius</i>	Lin. { Yellow bellied		mus.	Wils. { Rain Crow.	
	Woodpecker				
151. <i>erythrocéphalus</i>	Lin. Red headed W.	Res.			
152. <i>carolinus</i>	Lin. Redbellied W.	Win.			

IV. ORDER. GALLINACEÆ.

Terrestrial. Beak moderate, arched above. Wings generally short and power of flight moderate. Granivorous, with very muscular stomach.

68. <i>Colúmba</i>	Lin.		70. <i>Meleágris</i>	Lin.	
157. <i>passerína</i>	Lin. Ground Dove	Res.	160. <i>gallopávo</i>	Lin. Wild Turkey.	Res.
69. <i>Ectopístes</i>	Swa.		71. <i>Ortyx</i>	Steph.	
158. <i>migratórius</i>	Lin. Wild Pigeon		161. <i>virginiána</i>	Lin. Partridge	Res.
159. <i>carolinénsis</i>	Lin. Turtle Dove	Res.	72. <i>Tétrao</i>	Lin.	
			162. <i>umbéllus</i>	Lin. Pheasant	Res.

V. ORDER. BREVIPENNES.

Terrestrial. Wings rudimentary, flight impossible. Toes three, in some but two; legs long, powerful. Graminivorous generally. Ostriches, Cassowaries, &c. None in South Carolina.

VI. ORDER. GRALLATORIÆ.

Aquatic, waders. Wings generally long, flight good. Legs long, naked, extended behind during flight; toes generally separate. Piscivorous or insectivorous.

1. *Family. Pressirostres.* Bill of Moderate length. Hind toe not touching the ground.

73. <i>Charádríus</i>	Lin.		168. <i>mélodus</i>	Ord.	Win.
163. <i>helvéticus</i>	Lin.	Wint.	74. <i>Strépsilas</i>	Ill.	
164. <i>marmorátus</i>	Wagl. Plover	Win.	169. <i>intérpres</i>	Lin.	Win.
165. <i>vocíferus</i>	Lin. Kildeer		75. <i>Hæmátopus</i>	Lin.	
166. <i>Wilsoni</i>	Ord.	Res.	170. <i>palliátus</i>	Tem.	Win.
167. <i>semipalmátus</i>	Bon.	Win.			

2. *Family. Cultriostres.* Bill, large, long, powerful, generally trenchant and pointed.

76. Grus	Lin.			175. violácea	Lin.		
171. americana	For.	{	Whooping Crane	176. lentiginósa	Sab.		
					177. exilis	Wils.	Poorjoe
77. Tántalus	Lin.			178. viréscens	Lin.		
172. loculátor	Lin.		Res.	179. heródias	Lin.	Blue Crane	Res.
78. Platálea	Lin.			180. egrétta	Gm.		
173. aiáia	Lin.	Spoonbill	Sum.	181. cærúlea	Lin.		
79. Ardea	Lin.			182. ludoviciána	Wils.		
174. nycticorax	Lin.	Quow		183. candidíssima	Gm.	White Crane	

3. *Family. Longirostres.* Bill, long, slender, feeble.

80. Ibis	Cuv.			84. Tótanus	Bech.		
184. falcinéllus	Lin.		Sum.	199. maculátus	Wils.		Res.
185. álba	Lin.		Sum.	200. solitárius	Wils.		Res.
81. Tringa	Lin.			201. flávipes	Lath.		
186. Bartrámia	Wils.			202. vociferus	Wils.		Win.
187. islándica	Lin.			203. semipalmátus	Lath.	Stone Curlew	Res.
188. pectorális	Bon.		Win.	85. Scólópax	Lin.		
189. alpína	Lin.			204. Wilsoni	Tem.	Snipe	Win.
190. subarquáta	Tem.			205. noveboracénsis	Gm.		
191. himántopus	Bon.			86. Recurviróstra	Lin.		
192. Schinzii	Bre.			206. americana	Gm.		
193. semipalmáta	Wils.		Win.	87. Himántopus	Bris.		
194. pusilla	Wils.			207. nigricóllis	Viel.		Sum.
195. arenária	Lin.			88. Numénus	Bris.		
82. Micróptera	Nutt.			208. longiróstris	Wils.	Curlew	Res.
196. americana	Aud.	Woodcock	Win.	209. hudsónicus	Lath.		
83. Limósa	Bris.			210. boreális	Lath.		
197. fédoa	Lin.						
198. hudsonica	Lath.						

4. *Family. Macroductyli.* Toes long, spreading. Bill rather long, stronger than in last.

89. Rállus	Lin.	Marsh Hen		216. jamaicénsis	Bris.		
211. élegans	Aud.	Freshwater do.	Res.	91. Fúlca	Lin.		
212. crépitans	Gm.	Saltwater do.	Res.	217. americanus	Gm.		Win.
213. virginianus	Lin.		Res.	92. Gallínula	Bris.		
90. Ortygómetra	Leach			218. martinica	Lin.		Res.
214. carolinus	Lin.			219. chlóropus	Lin.		Res.
215. noveboracénsis	Lath.						

5. *Family. Phænicopteri.* Neck and legs excessively long, bill bent down at middle.

93. Phænicópterus	Lin.	
220. rúber	Lin.	Flamingo.

VII. ORDER. PALMIPEDES.

Aquatic, swimmers. Legs of moderate length, placed far back on the body, terminated with webbed feet. Plumage dense, oily.

1. *Family. Brachyptera.* Wings short, flight feeble. Walk with difficulty.

94. Mórmon	Ill.			96. Pódiceps	Lath.		
221. árticus	Lin.		Win.	224. cristátus	Lath.		
95. Colymbus	Lin.			225. cornútus	Lin.		
222. glaciális	Lin.		Win.	226. carolinénsis	Lath.	Diver	Win.
223. árticus	Lin.		Win.				

2. *Family. Longipennes.* Wings very long, flight powerful. Hind toe free or wanting.

97. <i>Thalassidroma</i>	Vig.		234. <i>marinus</i>	Lin.	Win.
227. <i>Wilsoni</i>	Bon.	{ Mother Carey's Chicken.	100. <i>Léstris</i>	Ill.	
			235. <i>parasiticus</i>	Lin.	Win.
98. <i>Puffinus</i>	Bris.		101. <i>Stérna</i>	Lin.	
228. <i>cinéreus</i>	Lath.		236. <i>ánglica</i>	Monta	Sum.
229. <i>obsúrurus</i>	Lath.	Sum.	237. <i>hirúndo</i>	Lin.	Sum.
99. <i>Lárus</i>	Lin.		238. <i>háveli</i>	Aud.	Sum.
230. <i>Bonapártii</i>	Rich.	Sum.	239. <i>nígura</i>	Lin.	Sum.
231. <i>atricilla</i>	Lin.	Sum.	240. <i>minúta</i>	Lin.	Sum.
232. <i>zonorhyncus</i>	Rich.	Win.	102. <i>Rhyncops</i>	Lin.	
233. <i>argentátus</i>	Brun.	Win.	241. <i>nígura</i>	Lin.	Shearwater Sum.

3. *Family. Totipalmatae.* Wings long; hind toe united to the others, by web.

103. <i>Pelecánus</i>	Lin.		105. <i>Súla</i>	Bris.	
242. <i>americánus</i>	Aud.	White Pelican Win.	245. <i>bassána</i>	Lin.	Gannet
243. <i>fúscus</i>	Lin.	Brown Pelican Res.	106. <i>Plótus</i>	Lin.	
104. <i>Tachypetes</i>	Viel.		246. <i>anhínga</i>	Lin.	Cormorant. Sum.
244. <i>áquilus</i>	Lin.	Sum.			

4. *Family. Lamellirostres.* Wings moderate; bill thick, broad, denticulate on edges.

107. <i>Anæs</i>	Lin.		259. <i>albéola</i>	Lin.	Win.
247. <i>bóschas</i>	Lin.	Win.	260. <i>glacialis</i>	Lin.	Win.
248. <i>obsúra</i>	Gm.	Black Duck Win.	261. <i>rúbida</i>	Wils.	
249. <i>strépera</i>	Lin.		262. <i>fúscá</i>	Lin.	Win.
250. <i>americána</i>	Gm.	Widgeon. Win.	263. <i>clángula</i>	Lin.	Win.
251. <i>acúta</i>	Lin.	Win.	109. <i>Cygnus</i>	Meyer	
252. <i>sponsa</i>	Lin.	Summer Duck Res.	264. <i>buccinátor</i>	Rich.	Sum.
		Greenwinged Win.	265. <i>americánus</i>	Shar.	Win.
253. <i>carolinénsis</i>	Steph.	Teal	110. <i>Anser</i>	Bris.	
		Bluewinged Win.	266. <i>canadénsis</i>	Lin.	Wild Goose Sum.
254. <i>díscors</i>	Lin.	Teal.	267. <i>álbifrons</i>	Bech.	Win.
255. <i>clypeáta</i>	Lin.		268. <i>hyperbóreus</i>	Gm.	Win.
108. <i>Fuligula</i>	Leach.		111. <i>Méigus</i>	Lin.	
256. <i>valisnéria</i>	Wils.	Canvassback Win.	269. <i>mergánsér</i>	Lin.	Win.
257. <i>ferína</i>	Lin.		270. <i>serrátor</i>	Lin.	
258. <i>americána</i>	Swa.	Win.	271. <i>cucullátus</i>	Lin.	Win.

3. CLASS. REPTILES.

Breathe by lungs, at least in the adult state, respiration simple. Temperature variable, depending on that of surrounding medium, cold blooded. Circulation incomplete, all the blood in the heart not passing through the lungs before entering the arterial system; heart generally with three cavities, one ventricle and two auricles. Vertebræ generally concave anteriorly, posteriorly in some concave, in others, Ophidia and Sauria, with a hemispherical head for articulating with posterior one. Occipital bone with a single condyle, or none. Body naked or clothed with scales of a greater or less degree of hardness.

I. ORDER. CHELONIA.

Body protected by a solid covering, formed above by the coalescence of the ribs with each other and with the dorsal vertebræ, beneath by the enlargement of the sternum. Teeth none. Limbs four.

1. Testúdo	Brong.		8. guttáta	Schn.	Speckled T.
1. polyphémus	Daud.	Gopher	9. térrapin	Schoepf	Saltwater T.
2. Cistúda	Flem.		10. concinna	Lec.	
2. carolina	Edw.	Box Cooter	6. Chelonúra	Flem.	
3. Kinostérnon	Spix		11. serpentina	Lin.	Alligator Cooter
3. pennsylvánicum	Edw.	Mud Cooter	7. Trionyx	G. st. H.	
4. Sternothærus	Bell		12. férox	Schn.	Softshelled Ter.
4. odorátus	Bosc.	Musk Cooter	8. Chelónia	Brong.	
5. Emys	Brong.	Terrapin	13. mydas	Lin.	Green Turtle
5. serráta	Daud.	Yellowbelly T.	14. carétta	Lin.	Loggerhead Tur.
6. reticuláta	Bosc.	Chicken T.	9. Sphárgis	Mer.	
7. picta	Schn.	Checkered T.	15. coriácea	Lin.	Leatherbacked Tur.

II. ORDER. SAURIA.

Ribs and vertebræ moveable. Jaws with teeth, rarely implanted in sockets, and then always by a single root. Limbs generally four. Body clothed with scales.

10. Alligátor	Cuv.		14. Plestiodon	D. & B.	
16. mississippiénsis	Daud.	Alligator	20. erythrocéphalus	Gil.	Scorpion.
11. Anólius	Cuv.		15. Scíncus	Daud.	
17. carolinénsis	Cuv.	Green Lizard	21. quinquelineátus	Lin.	Five-striped Lizard
12. Tropicólepis	Cuv.		22. fasciátus	Lin.	Bluetailed Lizard
18. undulátus	Bosc.	Brown Lizard	16. Lygosóma	Gray	
13. Ameíva	Cuv.		23. laterális	Say.	Ground Lizard
19. sexlineáta	Lin.	Six-striped Lizard			

III. ORDER. OPHIDIA.

Body elongated without limbs, clothed with scales. Jaws with teeth.

a. Not venomous.

17. Ophisáurus	Daud.		23. Rhinóstoma	Fitz.	
24. ventrális	Lin.	Glass Snake	36. coccinea	Blum.	Scarlet Snake
18. Cóluber	Lin.		24. Pitúophis	Holb.	
24. constrictor	Lin.	Black Snake	37. melanoleúcus	Daud.	Pine Snake
25. guttátus	Lin.	Corn Snake	25. Psámmophis	Boié.	
26. punctátus	Lin.		38. flagellifórmis	Cat.	Coachwhip Snake
27. alleghaniénsis	Holb.		26. Léptophis	Bell	
28. quadrivittátus	Holb.	Chicken Snake	39. æstívvus	Lin.	Green Snake
19. Coronélla	Laur.		40. saurítus	Lin.	Ribbon Snake
29. getúla	Lin.	Chain Snake	27. Tropicónótus	Kuhl.	
30. doliáta	Lin.		41. fasciátus	Lin.	
20. Hélicops	Wagl.		42. erythrogáster	Shaw	Copperbelly
31. erythrográmmus	Daud.		43. taxispilótus	Holb.	
32. abacúrus	Holb.		44. rígídvus	Say.	
21. Brachyórros	Kuhl.		45. sirtális	Lin.	Striped Snake
33. amænus	Say.		46. ordinátus	Lin.	Grass Snake
22. Calamária	Boié.		28. Hetérodón	P. de B.	
34. elapsoídea	Holb.		47. símvus	Lin.	
35. striátula	Lin.		48. níger	Cat.	Black Viper
			49. platyrhínos	Lat.	Hognose Viper

C

FAUNA OF SOUTH CAROLINA.

b. Venomous.

29. Elaps	Schn.		31. Crotalóphorus	Gray
50. fúlvius	Lin.	Bead Skake	53. miliárius	Lin. Ground Rattle S.
30. Trigonocéphalus	Oppel.		32. Crótalus	Lin.
51. piscivorous	Lac.	Water Mokeson	54. duríssus	Lin. Banded Rattle S.
52. contórtix	Lin.	Copperhead	55. adamánteus	P. de B. Water Rattle S.

IV. ORDER. BATRACHIA.

Body naked, not covered with scales; with four limbs, without nails. Jaws generálly with teeth. Heart with two cavities. In early life breath by gills.

a. Without tails.

33. Rána	Lin.		36. Hyla	Laur.
56. pípiens	Lat.	Bull Frog	64. víridis	Laur. Tree Frog.
57. clámítans	Bosc.		65. squirélla	Bosc.
58. halecína	Kalm.		66. femorális	Daud.
34. Cystígnathus	Wagl.		67. delítéscens	Lec.
59. ornátus	Holb.		37. Búfo	
60. nigrítus	Lec.		68. lentiginósus	Shaw.
34. Scaphíopus	Holb.		69. erythronótus	Holb.
61. solitárius	Holb.		70. quéricus	Holb. Oak Frog.
35. Hylódes	Fitz.		71. americánus	Lec. Common Toad.
62. gryllus	Lec.		38. Engystoma	Fitz.
63. oculáris	Holb.		72. carolinéne	Holb.

b. With tails.

39. Salamándra	Laur.	The Salamanders	40. Trítón	Laur.
73. guttolineáta	Holb.	are generally known	86. dorsális	Harl. } Spring Lizard.
74. salmónea	Storer	as Soft Skinned or	87. níger	Green }
75. rúbra	Daud.	Smooth Skinned	41. Amphiúma	Gard.
76. glutinósa	Green	Green Lizards.	88. méans	Gard. Congo Snake
77. erythronóta	Green		42. Síren	Lin.
78. quadrimaculáta	Holb.		89. lacertína	Lin. Mud Eel
79. bilineáta	Green		90. intermédia	Lec.
80. symmétrica	Harl.			
81. quadridigitáta	Holb.			
82. melanosticta	L. Gibbes			
83. venenósa	Bart.			
84. fasciáta	Green			
85. talpoidea	Holb.			

4. CLASS. FISHES.

Breathe by gills. Temperature variable, cold blooded. Circulation complete, heart with two cavities, one auricle and one ventricle, propelling venous blood to the gills. Vertebræ with conical depression on anterior and posterior surfaces, and deep grooves or apertures on the sides. Occipital bone without condyles. Body either clothed with scales or naked.

I. ORDER. ACANTHOPTERYGII.

Skeleton osseous. Fins with spiny rays, most numerous in the dorsal.

1. Lábrax	Cuv.	2. rúfus	Mitch.
1. lineátus	Block. Rockfish.	2. Serránus	Cuv.

3. erythrogiaster	Dek.	Grouper	40. fasciatus	Lac.	Young Drum.
4. acutirostris	Cuv.		19. Micropogon	Cuv.	
5. fascicularis	Cuv.		41. undulatus	Cuv.	Croaker
6. morio	Cuv.		42. costatus	Mitch.	
3. Centropristis	Cuv.		20. Lobotes.	Cuv.	
7. nigricans	Cuv.	Blackfish.	43. surinamensis	Bloch.	
8. trifurca	Cuv.		21. Pristipoma	Cuv.	
4. Grystes	Cuv.		44. rodo	Cuv.	
9. salmoides	Cuv.	Trout. Fr. Water	22. Sargus	Cuv.	
5. Centrarchus	Cuv.		45. ovis	Mitch.	Sheephead
10. sparoides	Cuv.		46. rhomboides	Lin.	
11. irideus	Cuv.		23. Pagrus	Cuv.	
12. gulosus	Cuv.	Mawmouth	47. argyrops	Lin.	Porgee
13. viridis	Val.	The species of this	24. Gerres	Cuv.	
14. hexacanthus	Val.	genus and of the two	48. aprion	Cuv.	
6. Pomotis	Cuv.	following, belong to	25. Pimelopterus	Lac.	
15. vulgaris	Cuv.	fresh water, and are	49. Boscii	Lac.	
16. Ravenelii	Val.	generally called	26. Ehippus	Cuv.	
17. Hobbrooki	Val.	Perch and Chub.	50. faber	Bloch.	Angelfish
18. gibbosus	Val.		51. gigas	Park.	
7. Bryttus	Val.		27. Holacanthus	Lac.	
19. punctatus	Cuv.		52. ciliaris	Lac.	
20. reticulatus	Val.		28. Scomber	Cuv.	
21. unicolor	Val.		53. colias	Gm.	Span. Mackerel
8. Holocentrum	Art.		54. vernalis	Mitch.	Spring Mackerel
22. longipinne	Cuv.		55. grex	Mitch.	
9. Uranoscopus	Lin.		29. Pelamys	Cuv.	
23. anoplos	Cuv.		56. sarda	Bloch.	
10. Prionotus	Lac.		30. Cybium	Cuv.	
24. carolinus	Cuv.		57. maculatum	Mitch.	
25. tribulus	Cuv.		31. Lichia	Cuv.	
11. Dactylopterus	Lac.		58. carolina	Dek.	
26. volitans	Lin.	Flying Fish	32. Elacate	Cuv.	
12. Scorpaena	Lin.		59. atlantica	Cuv.	
27. bufo	Cuv.		33. Caranx	Cuv.	
13. Otolithus	Cuv.		60. defensor	Dek.	Crevalle
28. regalis	Schn.		61. punctatus	Cuv.	
29. carolinensis	Cuv.		34. Seriola	Cuv.	
14. Leiostomus	Cuv.		62. Boscii	Cuv.	
30. obliquus	Mitch.		63. fasciata	Cuv.	
31. xanthurus	Cuv.	Yellowtail	64. cosmopolita	Cuv.	
15. Corvina	Cuv.		35. Rhombus	Lac.	
32. ocellata	Lin.	Bass	65 longipinnis	Mitch.	Rudderfish
33. argyroleuca	Mitch.		36. Pteraclis	Cuv.	
16. Umbrina	Cuv.		66. carolinus	Cuv.	
34. albunus	Lin.	Whiting	37. Trichurus	Lin.	
35. coroides	Cuv.		67. lepturus	Lin.	
17. Hæmulon	Cuv.		38. Trachinotus	Cuv.	
36. formosum	Lin.		68. pampanus	Cuv.	Pompeynose
37. chrysopteron	Lin.		69. argenteus	Cuv.	
38. arcuatum	Cuv.		39. Vomer	Cuv.	
18. Pogonias	Lac.		70. Browni	Cuv.	
39. chromis	Lin.	Drum	40. Temnodon	Cuv.	

71. saltátor	Lin.	Skipjack	84. geminátus	Wood
41. Lampúgus	Cuv.		85. punctátus	Wood
72. punctulátus	Cuv.		48. Chasmódes	Cuv.
42. Argyreiósus	Lac.		86. novemlineátus	Wood
73. vómer	Lin.		87. Bosciánus	Cuv.
43. Coryphæna	Lin.		49. Phólis	Flem.
74. Sueúri	Cuv.		88. carolínus	Cuv.
44. Acanthúrus	Lac.		50. Góbius	Lin.
75. phlebótomus	Cuv.		89. alepidótus	Bosc.
76. cærúleus	Cuv.		51. Chironéctes	Cuv.
45. Atherína	Lin.		90. lævigátus	Cuv.
77. menídia	Lin.	Silverfish	52. Bátrachus	Schn.
78. notáta	Mitch.		91. tau	Lin.
79. carolína	Cuv.		53. Málthea	Cuv.
46. Múgil	Lin.		92. nasúta	Cuv.
80. álbula	Lin.	Mullet.	93. vespertílio	Cuv.
81. petrósus	Cuv.		54. Xirícthys	Cuv.
82. lineátus	Mitch.		94. lineátus	Lin.
83. Plumiéri	Cuv.		55. Tautóga	Mitch.
47. Blénnius	Cuv.		95. americána	Bloch.
				Tautog

II. ORDER. MALACOPTERYGII ABDOMINALES.

Skeleton osseous. Fins with soft cartilaginous rays, excepting occasionally the first ray of the dorsals and pectorals. Ventral fins behind the pectorals.

56. Galeícthys	Cuv.		63. Lébias	Cuv.
96. marínus	Mitch.	Catfish. Salt Water	108. ellipsoídes	Les.
57. Arius	Cuv.		64. Exocætus	Lin.
97. Milberti	Cuv.		109. furcátus	Mitch.
58. Pimelódus	Cuv.		65. Hemirámphus	Cuv.
98. cátus	Lin.	Catfish. Fresh W.	110. (species not determined.)	
99. lemniscátus	Les.		66. Fistulária	Lac.
59. Catóstomus	Les.		111. serráta	Bloch.
100. Sucéti	Lac.	Sucker	67. Alósa	Cuv.
101. oblóngus	Mitch.		112. præstábilis	Dek.
60. Cyprínodon	Lac.		68. Amia	Lin.
102. variegátus	Lac.		113. cálva	Lin.
61. Leucíscus	Klein.		69. Butirínus	Com.
103. americánus	Lac.	} Minnows	114. vúlpes	Lin.
104. gardóneus	Val.		70. Lepisósteus	Lac.
105. vandoísulus	Val.		115. ósseus	Lin.
106. roténgulus	Val.			Garfish.
62. Hydrárgyra	Lac.			
107. fasciáta	Schn.			

III. ORDER. MALACOPTERYGII SUBBRACHIATI.

Skeleton osseous. Fins with soft rays. Ventral fins under the pectorals.

71. Platéssa	Cuv.		72. Achirus	Lac.
116. oblóna	Mitch.	Plaice	118. móllis	Mitch.
117. (species not determined)		Flounder	73. Echinéis	Lin.
			119. (species not determined)	Lin.
				Suckingfish

IV. ORDER. MALACOPTERYGII APODES.

Skeleton osseous. Fins with soft rays. Ventrals wanting.

- | | | |
|-------------------------------|------|-----------------|
| 74. <i>Muræna</i> | Lin. | |
| 120. (species not determined) | | Salt water Eel. |
| 121. (species not determined) | | Fresh water Eel |

V. ORDER. LOPHOBRANCHIATI.

Skeleton osseous. Gills in tufts, not arranged like the teeth of a comb, as in the preceding orders.

- | | | | |
|-------------------------------|------|-------------------------------|----------|
| 75. <i>Syngnathus</i> | Lin. | 76. <i>Hippocampus</i> | Cuv. |
| 122. (species not determined) | | 123. (species not determined) | Seahorse |

VI. ORDER. PLECTOGNATHI.

Skeleton osseous. Jaws soldered to the adjacent bones, immoveable, not free and moveable, as in the preceding orders.

- | | | | |
|----------------------------|--------|-------------------------------|--------|
| 77. <i>Tetráodon</i> | Lin. | 127. <i>pilósus</i> | Mitch. |
| 124. <i>lævigátus</i> | Lin. | 79. <i>Balístes</i> | Cuv. |
| 125. <i>túrgidus</i> | Mitch. | 128. (species not determined) | |
| 78. <i>Díodon</i> | Lin. | | |
| 126. <i>maculostriátus</i> | Mitch. | | |

VII. ORDER. STURIONES.

Skeleton cartilaginous. Gills with one external opening, as in the preceding orders.

- | | | |
|-------------------------------|------|----------|
| 80. <i>Acipenser</i> | Lin. | |
| 129. (species not determined) | | Sturgeon |

VIII. ORDER. PLAGIOSTOMI.

Skeleton cartilaginous. Gills with several external openings. Jaws moveable, formed for mastication.

- | | | | | |
|------------------------|-------|------------------|-------------------------|--------------------|
| 81. <i>Zygæna</i> | Cuv. | Hammerhead Shark | 86. <i>Ráia</i> | Lin. |
| 130. <i>málleus</i> | Val. | | 135. <i>eglantiera</i> | Bosc. Skate. |
| 82. <i>Prístis</i> | Lath. | | 136. <i>Desmaréstia</i> | Les. |
| 131. <i>antiquórum</i> | Lin. | Sawfish | 87. <i>Trygon</i> | Adan. |
| 83. <i>Squátina</i> | Dum. | | 137. <i>sabíña</i> | Les. Stingray. |
| 132. <i>Dumerílii</i> | Les. | } Sharks | 88. <i>Cephalóptera</i> | |
| 84. <i>Sélachus</i> | Cuv. | | 138. <i>vampyrus</i> | Mitch. Devil-fish. |
| 133. <i>máximus</i> | Lin. | | 89. <i>Aetóbatis</i> | M. & H. |
| 85. <i>Lámna</i> | Cuv. | | 139. <i>guttáta</i> | Shaw |
| 134. <i>punctáta</i> | | | | |

IX. ORDER. CYCLOSTOMI.

Skeleton cartilaginous. Gills with several external openings. Jaws united together in a ring, formed for suction.

- | | | |
|-------------------------------|------|----------|
| 90. <i>Petromyzon</i> | Lin. | |
| 140. (species not determined) | | Lamprey. |

D

II. DIVISION. ANNULATED ANIMALS.

No internal osseous skeleton, but generally a tegumentary one, composed of moveable rings. Organs symmetrically placed about a vertical median plane. No cerebro-spinal axis. Nervous system central, generally a series of ganglia.

I. SUBDIVISION. ARTICULATA.

Organs of locomotion composed of several segments articulated with each other. Nervous system highly developed.

1. CLASS. INSECTA.

Respiration aerial. Body composed of a head, thorax and abdomen, distinct from each other. Three pairs of feet, attached to the thorax.

A class abounding in species, probably not less than 5000 in South Carolina. We have not been able to procure an authentic list of the more common or most important species.

II. CLASS. MYRIAPODA.

Respiration aerial. Body composed of a head and a series of thoraco-abdominal rings. Numerous pairs of feet. Centipede, Fortyleg, &c.

III. CLASS. ARACHNIDA.

Respiration aerial. Head and thorax in one piece, to which are attached four pairs of feet. Spiders, &c.

We have not been able to procure authentic lists of species in these two classes.

IV. CLASS. CRUSTACEA.

Respiration aquatic, effected generally by gills or branchiæ. Circulatory system highly developed. Generally five or seven pairs of feet. Sexes distinct.

I. ORDER. DECAPODA.

Mouth formed for mastication (as also in the eight following orders) and furnished with six pairs of members, one pair mandibles, two pair jaws, and three pair foot-jaws, the last of these covering the mouth externally. Eyes on moveable peduncles. Head not distinct from the thorax, both protected by a continuous shell, not separable into segments. Five pairs of feet, prehensile, ambulatory or natatory. Gills enclosed in cavities on the side of the thorax.

A. BRACHYURA.

Abdomen but slightly developed, folded under the body.

1. Family. *Ozyrhincha*.

Shell triangular in form, tapering anteriorly to a beak, sometimes much prolonged. Mouth-frame nearly square, remote from the front.

1. *Leptopodia* Leach.
1. *calcarata** Say.

2. *Libinia* Leach.
2. *canaliculata* Say. Spider Crab

3. dúbia	M. Ed.	4. Cryptopódia	M. Ed.
3. Mithrax	Leach	5. granuláta	L. Gibbes. Not yet described.
4. hispidus	Herbst		

2. Family. *Cyclometopa.*

Shell broad, regularly curved on anterior border, narrowed posteriorly. Mouth frame nearly square, remote from front.

5. Panopéus	M. Ed.	8. Pilúmnus	Leach.
6. Hérbstii	M. Ed.	10. aculeátus	Say.
7. limósus	Say.	9. Platýónichus	Lat.
6. Pseudocárcinus	M. Ed.	11. ocellátus	Herbst Sand Crab.
8. mercenária	Say. Stone Crab.	10. Lúpa	Leach.
7. Platycárcinus	Lat.	12. dicántha	Lat. Sea Crab.
9. Sáyi	Gould.	13. cribrária	Lam.
		14. Sáyi	L. Gibbes. L. pelagica of Say.

3. Family. *Catometopa.*

Shell quadulateral or ovoid. Mouth-frame nearly square, not reaching the front.

11. Pinnothéres	Lat.	14. Sesárma	Say.
15. óstreum	Say. Oyster Crab.	19. cinérea	Bosc. } Square back Fid-
16. maculátum	Say.	20. reticulátus	Say. } dlers.
12. Ocy-poda	Fab.	15. Plagúisia	Lat.
17. arenária	Cat. } Sand Crab*or	21. squamósa	Herbst.
	} Land Crab		
13. Gelásimus	Lat.		
18. vócan	Lin. Fiddler.		

4. Family. *Oxystoma.*

Shell generally orbicular or arched on anterior border. Mouth-frame triangular, reaching nearly, or quite, to the front.

16. Caláppa	Fab.	18. Guáia	M. Ed.
22. marmoráta	Fab.	24. punctáta	Brown.
17. Hépatús	Lat.		
23. decórus	Herbst. Spotted Crab.		

B. ANOMOURA.

Abdomen but moderately developed, either extended or folded under the body, and almost always with appendages on the penultimate segment.

19. Albúnea	Fab.	22. Pagúrus	Fab.
25. symnístá	Fab.	28. villátus	Bosc. } Soldier Crabs
20. Híppa	Fab.	29. pollicáris	Say. } or
26. eméritus	Lin.	30. longicárpus	Say. } Hermit Crabs.
21. Monólepis	Say.	23. Porcellána	Lam.
27. spinitársus*	Say.	31. pilósa	M. Ed.
		32. macrochéles	L. Gibbes } Not yet de-
		33. ocelláta	L. Gibbes } scribed.

C. MACROURA.

Abdomen highly developed, extended behind the thorax, furnished with appendages on the penultimate segment, which with the last segment form a fanlike caudal fin, a powerful organ of locomotion.

24. Callianássa	Leach.	28. Pontónia	Lat.
34. mājor	Say.	39. occidentális	L. Gibbes.
25. Gébia	Leach.	29. Hippólyte	Leach. Freshwater
35. affinis	Say.	40. caroliniána	Gibbes. Shrimp.
26. Astacus	Fab.	30. Palæmon	Fab.
36. Bártoni	Fab.	41. vulgáris	Say. Hardbacks.
37. Blándingi	Harl.	31. Penéus	Fab.
27. Alpheus	Fab.	42. setíferus	Lin. } Shrimps.
38. heterochélis	Say.	43. caramóte	Rond. }

II. ORDER. STOMAPODA.

Eyes on moveable peduncles. Gills not enclosed in thoracic cavity, generally attached to the false feet of the abdomen, which part of body is in general highly developed. Feet in seven or eight pair generally.

32. Squilla	Fab.
44. scabricaúda	Lat.
45. empúsa	Say.
46. negligta	L. Gibbes. Not yet described.
47. dúbia	M. Ed.

III. ORDER. AMPHIPODA.

Eyes sessile. Head, thorax and abdomen distinct, composed of separate rings. No proper gills, but vesicles supplying their place. Abdomen highly developed. Body frequently compressed. Seven pairs of feet.

33. Orchéstia	Leach	35. Gámmarus	Fab.
48. longicórnis	Say.	51. mucronátus	Say.
34. Amphíthoe	Leach	52. fasciátus	Say.
49. dentáta	Say.		
50. not determin- ed.			

IV. ORDER. LEMIPODA.

Eyes sessile. Head, thorax and abdomen distinct, the latter rudimentary. Branchial vesicles in place of branchiæ. Feet in seven or five pair.

36. Caprélla	Lam.
53. equilíbra	Say.
44. geométrica	Say.

V. ORDER. ISOPODA.

Eyes, head, thorax and abdomen as in Amphipoda. No branchiæ or branchial vesicles, the abdominal feet supplying their place. Body depressed. Seven pairs of feet.

37. <i>Idotéa</i>	Fab.	41. <i>Armadillidium</i>	Brandt.
55. <i>cæca</i>	Say.	60. <i>piluláris</i>	Say. Pillbugs
38. <i>Aséllus</i>	Geof.	42. <i>Sphæróma</i>	Lat.
56. <i>commúnis</i>	Say.	61. <i>quadridéntáta</i>	Say.
57. <i>lineátus</i>	Say.	43. <i>Nesæa</i>	Leach.
39. <i>Lygia</i>	Fab.	62. <i>caudáta</i>	Say.
58. <i>Gaudichaúdíi</i>	M. Ed.	44. <i>Nerócila</i>	Leach.
40. <i>Oníscus</i>	Lin.	63. <i>variábilis</i>	L. Gibbes. Fishlouse
59. (not determined)		45. <i>Livóneca</i>	Leach.
		64. <i>ovális</i>	Say. Fishlouse

VI. ORDER. PHYLLOPODA.

Thoracic limbs foliaceous, adapted not to locomotion but to respiration, in eight or more pair. Animals minute.

No species of this order observed in South Carolina, though, doubtless, several exist.

VII. ORDER. CLADOCERA.

Thoracic limbs as in Phyllopoða, in five pair. Body enclosed between two valves. Animals minute.

46. <i>Dáphnia</i>	Mull.
65. <i>anguláta</i>	Say.

VIII. ORDER. OSTRACODA.

Thoracic limbs not foliaceous, natatory, two or three pair. Body not divided into rings, enclosed between two valves. Animals minute.

47. <i>Cythére</i>	Lat.
66. <i>bifasciáta</i>	Say.

IX. ORDER. COPEPODA.

Thoracic limbs not foliaceous, natatory, four or five pair. Body divided into rings, not enclosed between two valves. Animals minute.

48. <i>Cyclops</i>	Mul.
67. <i>navículus</i>	Say.

X. ORDER. SIPHONOSTOMA.

Mouth formed for suction, not for mastication. Feet natatory, three or four pair.

XI. ORDER. LERNEIDA.

Mouth as in Siphonostoma. Feet wanting or rudimentary. No species of these two orders yet observed in South Carolina.

XII. ORDER. ARANEIFORMIA.

Mouth formed for suction. Feet ambulatory, long, in four pair.

49. <i>Nymphum</i>	Fab.
68. <i>carolinénse</i>	Leach.

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XIII. ORDER. XIPHOSURA.

Mouth not formed for suction nor furnished with organs of mastication, but surrounded by the feet, the first joint of each of which is armed with spines or teeth for performing that function. Tail, long, bayonet form.

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| 50. <i>Límulus</i> | Mul. | |
| 69. <i>polyphémus</i> | Lin. | King-crab. |

5. CLASS. CIRRIPEDES.

Respiration aquatic. No organs of locomotion in the adult state, animal fixed on other bodies.

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|----------------------|--------|----------------------|--------|
| 1. <i>Anátifa</i> | Brug. | 3. <i>Conópea</i> | Say. |
| 1. <i>dentáta</i> | Brug. | 5. <i>elongáta</i> | Say. |
| 2. <i>striáta*</i> | Brug. | 4. <i>Corónula</i> | Lam. |
| 2. <i>Bálanus</i> | Lam. | 6. <i>dentuláta</i> | Say. |
| 3. <i>ebúrneus</i> | Gould. | 5. <i>Acásta</i> | Leach. |
| 4. (not determined.) | | 7. <i>montagúti*</i> | Leach. |

2. SUBDIVISION. VERMES.

No articulated organs of locomotion. Nervous systems slightly developed.

VI. CLASS. ANNELIDES.

Respiration branchial. Blood generally red. In most, tufts of bristles serving as feet.

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|----------------------|-------|-------------------------|------------|
| 1. <i>Spío</i> | Lam. | 5. <i>Spirórbis</i> | Lam. |
| 1. <i>caudátus*</i> | Lam. | 7. two species | |
| 2. <i>Pectinária</i> | Lam. | 8. not determined | |
| 2. <i>bélgica</i> | Pall. | 6. <i>Sérpula</i> | Lin. |
| 3. <i>Sabellária</i> | Lam. | 9. <i>fasciculáris</i> | Lam. |
| 3. two species | | 7. <i>Lúmbricus</i> | Lin. |
| 4. not determined | | 10. two species | Earthworms |
| 4. <i>Terebélla</i> | Cuv. | 11. not determined | |
| 5. <i>conchílega</i> | Pall. | 8. <i>Hífrúdo</i> | |
| 6. <i>ventricósa</i> | Bosc. | 12. two or more species | Leeches |
| | | 13. not determined. | |

VII. CLASS. ROTIFERA.

Respiration cutaneous, blood white. Vibratile organs at anterior extremity. Microscopic animals which have not yet attracted much attention in this State.

VIII. ENTOZOA.

Respiration cutaneous, blood white. No vibratile organs, nor special organs of locomotion. Parasitic, inhabiting the internal organs of animals.

We have not been able to procure a list of the species observed in this State.

III. DIVISION. MOLLUSCOUS ANIMALS.

No proper skeleton, internal or tegumentary, body sometimes naked, sometimes protected by a shell. Organs symmetrically placed about a median plane, in general curved. No cerebro-spinal axis. Nervous system ganglionic, but not forming a series.

1. SUBDIVISION. MOLLUSCA.

Animals oviparous. Ganglia, several, forming a collar round the esophagus. Circulatory system highly developed.

1. CLASS. CEPHALOPODA.

Body in the form of a sac, furnished with a distinct head, around which are placed the organs of locomotion or prehension, in the form of tentacula.

1. Octopus	Lam.	3. Spirula	Lam.
1. granulatus	Lam. v. 11, p. 362.	3. Peronii	Lam. Sow. Gen.
2. Loligo	Lam.		
2. brevipinna	Les. J. A. N. S. v. 3, pl. 10.		

2. CLASS. GASTEROPODA.

Body with a distinct head, and a fleshy disk on under side by means of which the animal crawls; in most cases the animal is protected by a shell, which is univalve.

A. Terrestrial, respiration aerial.

1. Tebennóphorus	Bin.	15. perspectiva	Say. J. A. N. S. v. 1, p. 18
1. carolinensis	Bosc. Fer. Moll. pl. 6, f. 3*	16. guláris	Say. J. A. N. S. v. 2, p. 156
2. Límax	Lin.	17. pulchélla	Mul. Gould In. Mass. f. 102
2. flavus	Lin. Fer. Moll. pl. 5, f. 1*	18. rupícola	Lam.
3. Hélix	Lin.	19. fállax	Say. J. A. N. S. v. 2, p. 163
3. albilabris	Say. Am. Con. pl. 13, f. 1	20. ováta*	Say. J. A. N. S. v. 2, p. 375
4. májor	Bin. B. J. N. H. v. 1, pl. 12*	21. péntodon*	Say. J. A. N. S. v. 2, p. 376
5. aspérsa	Mul. Wood I. pl. 34, f. 126	22. decollátus	Brug. •
6. thyroífidus	Say. Am. Con. pl. 13, f. 2	23. (not determined)	Lin. Wood In. pl. 34, f. 135
7. tridentáta	Say. Wood Sup. pl. 7, f. 11	24. truncáta.	Schu.
8. fállax	Say. J. A. N. S. v. 5, p. 119	25. Succínea	Gm. Am. Con. pl. 20
9. appréssa	Say. J. A. N. S. v. 2, p. 119	26. ovális	Drap.
10. auriculáta	Say. J. A. N. S. v. 1, p. 277	27. campéstris	Say. Gould In. Mass. f. 125
11. carolinensis*	Lea. { T. A. P. S. v. 4, pl. 15, f. 33.	28. Aurícula	Say. Gould In. Mass. f. 126
12. inornáta	Say. J. A. N. S. v. 2, p. 371	29. bidentáta	Lam.
13. concáva	Say. J. A. N. S. v. 2, p. 159	30. obliquus*	Say. Gould In. Mass. f. 130
14. alternáta	Say. { Gould In. Mass. f. 114.		Say. J. A. N. S. v. 2, p. 277

B. Aquatic, fluviatile, respiration aerial.

9. Planórbis	Mul.	31. glabrátus*	Say. J. A. N. S. v. 1, p. 280
29. lentus	Say. Am. Con. pl. 54, 61	32. gyrina	Drap.
30. párvus	Say. Gould In. Mass. f. 139		Say. J. A. N. S. v. 2 p. 271

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| 11. <i>Limnæus</i> | Lam. | 34. <i>macróstoma</i> | Say. Gould In. Mass. f. 148 |
| 33. <i>columélla</i> | Say. Gould In. Moss. f. 144 | 35. <i>húmilis</i> | Say. J. A. N. S. v. 2, p. 378 |

C. Aquatic, fluviatile, respiration aquatic.

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| 12. <i>Paludína</i> | Lam. | 13. <i>Melánia</i> | Lam. |
| 36. <i>decísa</i> | Say. Am. Con. pl. 30, f. 34 | 39. <i>próxima</i> | Say. J. A. N. S. v. 5, p. 127 |
| 37. <i>íntegra</i> | Say. Hald. Mon. pl. 3 | 40. <i>catenária</i> | Say. J. A. N. S. v. 2, p. 379 |
| 38. <i>intertéxta</i> | Say. Am. Con. pl. 30, f. 3, 4 | 41. <i>áltilis</i> | Lea. T. A. P. S. v. 8, pl. 5. f. 23 |
| | | 14. <i>Ancylus</i> | Mul. |
| | | 42. (species not determined) | |

D. Aquatic, marine, respiration aquatic, shell without notch or canal.

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| 15. <i>Fissurélla</i> | Brug. | 20. <i>Sigarétus</i> | Lam. |
| 43. <i>alternáta</i> | Say. J. A. N. S. v. 2, p. 245 | 51. <i>perspectívus</i> | Say. Am. Con. pl. 25 |
| 16. <i>Crepídula</i> | Lam. | 21. <i>Nática</i> | Brug. |
| 44. <i>fornicáta</i> | Lin. Sow. Gen. f. 1. | 52. <i>duplicáta</i> | Say. Gould In. Mass. f. 163 |
| 45. <i>plána</i> | Say. J. A. N. S. v. 2, p. 226 | 53. <i>pusilla</i> | Say. Gould In. Mass. f. 166 |
| 46. <i>aculeáta</i> | Gm. Sow. Gen. f. 4 | 22. <i>Scalária</i> | Lam. |
| 17. <i>Chítón</i> | Lin. | 54. <i>cláthrus</i> | Lin. Am. Con. pl. 27 |
| 47. <i>apiculátus</i> | Say. Gould. In. Mass. f. 20 | 55. <i>multistriáta</i> | Say. Am. Con. pl. 27 |
| 18. <i>Búlla</i> | Lin. | 56. <i>lineáta</i> | Say. Am. Con. pl. 27 |
| 48. <i>solitária</i> | Say. J. A. N. S. v. 2, f. 245 | 23. <i>Littorína</i> | Fer. |
| 49. <i>canaliculáta</i> | Say. Am. Con. pl. 39 | 57. <i>irroráta</i> | Say. J. A. N. S. v. 2, p. 239 |
| 19. <i>Aplysia</i> | Lin. | 24. <i>Turritélla</i> | Lam. |
| 50. (species not determined) | | 58. (species not determined) | |

E. Aquatic, marine, respiration aquatic, shell with a notch, groove or canal for the passage of the siphon.

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| 25. <i>Cancellária</i> | Lam. | 72. <i>sulcósá?</i> | Lam. Wood In. pl. 22, f. 25 |
| 59. <i>reticuláta</i> | Lin. Sow. Gen. f. 1. | 34. <i>Purpura</i> | Lam. |
| 26. <i>Pleurótoma</i> | Lam. | 73. <i>catarácta</i> | Chem. Kiener pl. 36, f. 85 |
| 60. <i>pusilla*</i> | Rav. (not yet described) | 35. <i>Dólium</i> | Lam. |
| 27. <i>Fúsus</i> | Lam. | 74. <i>gálea</i> | Lin. Kiener pl. 2, f. 2 |
| 61. <i>cinéreus</i> | Say. Am. Con. pl. 29 | 36. <i>Nássa</i> | Lam. |
| 28. <i>Fasciolária</i> | Lam. | 75. <i>obsoléta</i> | Say. Wood Sup. pl. 4, f. 26 |
| 62. <i>túlipa</i> | Lin. Kiener pl. 1 | 76. <i>unicínecta*</i> | Say. Am. Con. pl. 57 |
| 63. <i>dístans</i> | Lam. Kiener pl. 3 | 77. <i>víbex</i> | Say. Am. Con. pl. 57 |
| 64. <i>gigánteá</i> | Kiener Kiener pl. 10 & 11 | 78. <i>trivittáta</i> | Say. Gould In. Mass. f. 211 |
| 29. <i>Pyrúla</i> | Lam. | 37. <i>Terébra</i> | Brug. |
| 65. <i>canaliculáta</i> | Lin. Wood Ind. pl. 26, f. 82 | 79. <i>claváta</i> | Rav. (not yet described) |
| 66. <i>cárica</i> | Lam. Wood Ind. pl. 26, f. 83 | 80. <i>dislocáta</i> | Say. J. A. N. S. v. 2, p. 235 |
| 67. <i>pervérsa</i> | Lin. Wood Ind. pl. 26, f. 88 | 81. <i>concéava</i> | Say. |
| 68. <i>pyrum</i> | Dill. Say. Am. Con. pl. 19 | 38. <i>Columbélla</i> | Lam. |
| 30. <i>Ranélla</i> | Lam. | 82. <i>avára</i> | Say. Gould In. Mass. f. 197 |
| 69. <i>caudáta</i> | Say. Am. Con. pl. 48 | 83. <i>lunáta</i> | Say. Gould In. Mass. f. 196 |
| 31. <i>Murex</i> | Lin. | 39. <i>Volúta</i> | Lam. |
| 70. (species not determined) | | 84. <i>junóniá</i> | Chem. Wood Ind. pl. 2, f. 170. |
| 32. <i>Strómbus</i> | Lam. | 40. <i>Marginélla</i> | Lam. |
| 71. <i>alátus</i> | Gm. Lam. v. 9, p. 696. | 85. <i>spilóta*</i> | Rav. (not yet described) |
| 33. <i>Cássis</i> | Lam. | 86. <i>guttáta?</i> | Dill. Kien. pl. 3, f. 12 |

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| 41. Ovula | Brug. | 42. Olíva | Brug. |
| 87. aciculáris | Lam. Wood In. pl. 18. f. 7 | 88. literáta | Lam. Say. Am. Con. pl. 3 |
| | | 89. mútica | Say. J. A. N. S. v. 2, p. 228 |

III. CLASS. ACEPHALA.

Body without a distinct head, and in almost every case, is protected by a shell, which is bivalve.

A. FLUVIATILE.

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|-------------------|--------------------------------------|-------------------|--------------------------------------|
| 1. Unio | | 13. modiolifór | Lea. T. A. P. S. v. 5. pl. 13. |
| 1. complanátus* | Sol. Gould In. Mass. f. 68 | mis* | f. 40. |
| 2. confértus* | Lea. T. A. P. S. v. 5, pl. 16 | 14. ténerus* | Rav. |
| | f. 47. | 15. crocátus* | Lea. T. A. P. S. v. 8, pl. 22. f. 52 |
| 3. congaræus* | Lea. T. A. P. S. v. 4, pl. 6. f. 4 | 16. tæniátus* | Con. |
| 4. fúlvus* | Lea. T. A. P. S. v. 5, pl. 13. f. 39 | 2. Margaritána | Schu. |
| 5. Geddingsiá- | | 17. margináta | Say. Gould In. Mass. f. 77 |
| nus* | Lea. T. A. P. S. v. 8, pl. 11. f. 15 | 3. Anodon | Brug. |
| 6. Griffithiánus* | Lea. T. A. P. S. v. 5, pl. 15. f. 46 | 18. fluviatilis | Sol. (cataracta Say.) |
| 7. jejúnus* | Rav. T. A. P. S. v. 6, pl. 4. f. 9 | 19. Dunlapiána | Lea. T. A. P. S. v. 8, pl. 27. f. 65 |
| 8. palliátus* | Lea. (not yet described) | 20. incérta | Lea. T. A. P. S. v. 5, pl. 6. f. 16 |
| 9. watereénsis* | Lea. (U. Raveneli Con.) | 4. Cyclas | Lam. |
| 10. angustátus* | Lea. T. A. P. S. v. 4, pl. 17. f. 43 | 21. partuméia | Say. Gould In. Mass. f. 54 |
| 11. fomiculátus* | Lea. T. A. P. S. v. 6, pl. 11. f. 33 | 5. Cyréna | Lam. |
| 12. Vaughaniá- | | 22. caroliniénsis | Bosc. Lam. v. 6, p. 276. |
| nus* | Lea. T. A. P. S. v. 6, pl. 3. f. 5. | | |

B. MARINE.

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|-----------------|-------------------------------|---------------------|---------------------------------|
| 6. Vénus | Lin. | 38. pexáta | Say. J. A. N. S. v. 2, p. 268 |
| 23. mercenária | Lin. Lam. v. 6, p. 346 | 39. ponderósa | Say. J. A. N. S. v. 2, p. 267 |
| 24. notáta | Say. J. A. N. S. v. 2, p. 271 | 40. transversa | Say. J. A. N. S. v. 2, p. 269 |
| 25. páphia* | Lin. Lam. v. 6, p. 371 | 13. Núcula | Lam. |
| 26. eleváta* | Say. J. A. N. S. v. 2, p. 272 | 41. próxíma | Say. Con. Mar. Con. pl. 6, f. 2 |
| 7. Artemis | Poli. | 42. acúta | Con. Am. Mar. Con. pl. 6, f. 3 |
| 27. concéntrica | Born. Sow. Gen. f. 4 | • 14. Sanguinolária | Lam. |
| 8. Astárte | Sow. | 43. fúsca | Say. Con. Mar. Con. pl. 7 |
| 28. lunuláta* | Con. | 44. lusória | Say. Con. Mar. Con. pl. 7 |
| 9. Lucína | Brug. | 15. Psammóbia | Lam. |
| 29. tigerína* | Lin. (Cytherea of Lam.) | 45. cayennénsis | Lam. v. 6, p. 177 |
| 30. divaricáta | Lin. Lam. v. 6, p. 226 | 16. Tellína | Lin. |
| 31. edéntula | Lin. Lam. v. 6, p. 224 | 46. maculósa* | Lam. Wood G. Con. pl. 36, f. 3 |
| 10. Cardíta | Lam. | 47. alternáta | Say. J. A. N. S. v. 2, p. 275. |
| 32. tridentáta* | Say. Am. Con. pl. 40 | 48. políta | Say. J. A. N. S. v. 2, p. 276 |
| 11. Cárdium | Lin. | 49. íris | Say. J. A. N. S. v. 2, p. 302. |
| 33. isocárdia* | Lin. Lam. v. 6, p. 398 | 50. ténera | Say. Gould. In. Mass. f. 44. |
| 34. muricátum | Lin. Lam. v. 6, p. 398 | 51. flexuósa | Say. J. A. N. S. v. 2, p. 303. |
| 35. marmóreum | Lam. Lam. v. 6, p. 399 | 52. brévifrons | Say. |
| 36. ventricósum | Brug. Lam. v. 6, p. 400 | 17. Donax | Lin. |
| 12. Arca | Lam. | 53. variábilis | Say. J. A. N. S. v. 2, p. 305 |
| 37. incóngrua | Say. J. A. N. S. v. 2, p. 268 | 18. Saxícava | Lam. |

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| 54. <i>distorta</i> | Say. Gould. In Mass. f. 40 | 77. <i>cuneiformis</i> | Say. J. A. N. S. v. 2, p. 322 |
| 19. <i>Petrícola</i> | | 28. <i>Terédo</i> | Lin. |
| 55. <i>pholadifórmis</i> | Lam. Say. Am. Con. pl. 60, f. 1 | 78. <i>palmúlatus?</i> | Lam. v. 6, p. 38 |
| 56. <i>dáctylus</i> | Sow. Say. Am. Con. pl. 60, f. 2 | 29. <i>Cháma</i> | Lin. |
| 20. <i>Lutrária</i> | Lam. | 79. <i>arcinélla*</i> | Lin. Sow. Gen. f. 2 |
| 57. <i>canaliculáta</i> | Say. J. A. N. S. v. 2, p. 311 | 30. <i>Mytilus</i> | Lin. |
| 58. <i>lineáta</i> | Say. Am. Con. pl. 9 | 80. <i>túlipa</i> | Lam. } Sow. Gen. |
| 21. <i>Máctra</i> | Lam. | 81. <i>plicátula</i> | Lam. } under Modiola |
| 59. <i>símilis</i> | Say. J. A. N. S. v. 2, p. 309 | 82. <i>cúbitus</i> | Say. J. A. N. S. v. 2, p. 263 |
| 60. <i>laterális</i> | Say. Gould. In Mass. f. 34 | 83. <i>domingénsis</i> | Lam. v. 7, p. 40 |
| 61. <i>oblongáta</i> | Say. J. A. N. S. v. 2, p. 310 | 84. <i>laterális</i> | Say. J. A. N. S. v. 2, p. 264 |
| 62. <i>tellinoídes</i> | Con. J. A. N. S. v. 6, pl. 11, f. 3 | 85. <i>castánea</i> | Say. J. A. N. S. v. 2, p. 266 |
| 22. <i>Amphidésma</i> | Lam. | 86. <i>lithóphaga</i> | Lin. } Sow. Genera. |
| 63. <i>orbiculáta</i> | Say. J. A. N. S. v. 2, p. 307 | 87. <i>caudígera</i> | Lam. } under Litho- |
| 64. <i>equális</i> | Say. Am. Con. pl. 28 | 88. <i>attenuáta</i> | Desh. } domus. |
| 65. <i>lépida</i> | Say. J. A. N. S. v. 5, p. 221 | 89. <i>leucopheá-</i> | |
| 66. <i>punctáta</i> | Say. J. A. N. S. v. 2, p. 308 | tus* | Con. J. A. N. S. v. 6, pl. 11, f. 13 |
| 23. <i>Mya</i> | Lin. | 31. <i>Pínna</i> | Lin. |
| 67. <i>arenária</i> | Lin. Sow. Gen. | 90. <i>muricáta</i> | Lin. Lam. v. 7, p. 64 |
| 24. <i>Córbula</i> | Brug. | 91. <i>seminóda</i> | Lam. v. 7, p. 61 |
| 68. <i>contrácta</i> | Say. Gould. In Mass. f. 37 | 32. <i>Avícula</i> | Lam. |
| 25. <i>Sólen</i> | Lam. | 92. <i>atlántica</i> | Lam. v. 7, p. 99 |
| 69. <i>énsis</i> | Lin. Con. Mar. Con. pl. 5 | 33. <i>Pécten</i> | Lam. |
| 70. <i>víridis</i> | Say. Con. Mar. Con. pl. 5 | 93. <i>dislocátus</i> | Say. Am. Con. pl. 56 |
| 26. <i>Solecúrtus</i> | Blain. | 34. <i>Plicátula</i> | Lam. |
| 71. <i>caribæus</i> | Lam. Con. Mar. Con. pl. 4 | 94. <i>cristáta*</i> | Lam. v. 7, p. 177 |
| 72. <i>frágilis</i> | Pult. Con. Mar. Con. pl. 4 | 35. <i>Anómia</i> | Lin. |
| 27. <i>Phólas</i> | Lin. | 95. <i>ephíppium</i> | Lin. Sow. Gen. |
| 73. <i>costáta</i> | Lin. Sow. Gen. | 36. <i>Ostræa</i> | Brug. |
| 74. <i>oblongáta</i> | Say. J. A. N. S. v. 2, p. 320 | 96. <i>virgíniána</i> | List. Sow. Gen. f. 2 |
| 75. <i>truncáta</i> | Say. J. A. N. S. v. 2, p. 321 | 97. <i>fundáta</i> | Say. |
| 76. <i>semicostata*</i> | Lea. | 98. <i>equéstris</i> | Say. Am. Con. pl. 58 |

2. SUBDIVISION. MOLLUSCOIDEA.

Reproduction by buds as well as by eggs. Circulatory and nervous systems rudimentary.

IV. CLASS. TUNICATA.

Respire by internal branchiæ; no tentacula about the mouth. One or more undetermined species of *Ascidia* exist on the coast.

V. CLASS. BRYOZOARIA.

Respire by external branchiæ, which form about the mouth a crown of ciliated and protractile tentacula. No heart.

Several marine species are found, and there are no doubt several fluviatile species also, but none have been satisfactorily determined.

IV. DIVISION. ZOOPHYTIC ANIMALS.

In general no skeleton interior or exterior. Organs symmetrically placed, rather about a central point or axis than about a plane. Nervous system rudimentary or null.

1. *SUBDIVISION. RADIATA.*

Body and organs presenting an arrangement decidedly radiated.

1. CLASS. ECHINODERMATA.

Teguments generally hard, and often armed with spines. Animals formed for creeping.

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|---------------|--------------------------------|-----------------|-------------------------|
| 1. Astériás | Lin. | 7. punctulátus | Lam. v. 3, p. 363 |
| 1. spinósus | Link. J. A. N. S. v. 5, p. 142 | 8. variegátus | Leske.Lam. v. 3, p. 365 |
| 2. articuláta | Say. J. A. N. S. v. 5, p. 141 | 4. Cidárites | Lam. |
| 3. clathráta | Say. J. A. N. S. v. 5, p. 142 | 9. metulária | Lam. v. 3, p. 381 |
| 2. Ophiúra | Lam. | 5. Spatángus | Lam. |
| 4. anguláta | Say. J. A. N. S. v. 5, p. 145 | 10. átropos | Lam. v. 3. p. 327 |
| 5. elongáta | Say. J. A. N. S. v. 5, p. 146 | 6. Scutélla | Lam. |
| 6. brevispína | Say. J. A. N. S. v. 5, p. 149 | 11. quinquéfora | Lam. v. 3, p. 280 |
| 3. Echínus | Lin. | 12. gibbósa | Rav. J. A. N. S. v. |

II. CLASS. ACALEPHA.

Body gelatinous, in form of a disc or sac, formed for swimming.

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|---------------------------------------|------|-------------|
| 1. Céphea | Lam. | 2. Physália |
| 1. rhizóstoma? | Lam. | 2. pelágica |
| (one or more species not determined.) | | |

III. CLASS. POLYPI.

Animals sedentary, without special organs of locomotion, generally living in groups or communities, united by a common envelope corneous or calcareous.

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|---------------------------|-------------------------|-----------------------------|------------------------|
| 1. Actínia | Lin. | 4. Bóscii | Lamx.Lam. v. 2, p. 484 |
| 1. cavernáta | Bosc. Lam. v. 3, p. 411 | 5. alopecuroídes | Ellis. Zooph. p. 102 |
| 2. Astræa | | 5. Renílla | |
| 2. species not determined | | 6. renifórmis | Ellis. Zooph. p. 65 |
| 3. Gorgónia | Lin. | 6. Tubulária | |
| 3. virguláta | Lam. v. 2, p. 495 | 7. (species not determined) | |
| 4. Antípathes | | | |

2. *SUBDIVISION. GLOBULOSA.*

Arrangement of parts not decidedly radiated, but rather irregular or even globular.

IV. CLASS. INFUSORIA.

Microscopic animals which have not yet received attention sufficient for their determination or arrangement.

V. CLASS. SPONGIA.

Several species of Sponges and allied forms, in this lowest class of the animal kingdom, exist on our coast, but have received even less attention than those of the last class.

REMARKS.

It is proper that the sources, whence the materials for the preceding catalogue have been drawn, should be indicated.

The list of Mammalia has been drawn up from the published volume of the "Quadrupeds of North America," by Audubon and Bachman, and from the manuscript notes of the latter gentleman.

The "Synopsis of the Birds of North America," by Audubon, and the "Herpetology of North America," by Dr. Holbrook, have furnished the list of Birds and Reptiles.

The list of Fishes was sent two years ago, by Dr. Storer of Boston, and has been compared with his "Synopsis of the Fishes of North America," published last year, but no doubt many additions to it will be made by Dr. Holbrook, in his Ichthyology of the Southern States, now in course of publication. With the exception of this class, the list of vertebrated animals may be considered complete.

Among the Annulated animals, the Insecta, Myriapoda, Arachnida, Rotifera, and Entozoa, have been entirely omitted, for reasons given in the catalogue. The lists of Crustacea, Cirripedes and Annelides, have been drawn up in great part from the writer's own observations, and partly, also, from the writings of Say, and of Milne Edwards.

The catalogue of Molluscous animals has been made out from the "Catalogue of Shells in the Cabinet of Dr. Ravenel," from manuscript communications of the same gentleman, from articles in various journals, and from the writer's own observations. This list may be regarded as tolerably complete, the Bryozoa excepted, which have not been sufficiently examined.

The catalogue of Zoophytic animals, made out chiefly from the writer's own observations, is very incomplete, this division not having attracted much attention, with the exception of the Echinodermata.

In the construction of the catalogue, the rule has been to admit those species only, which have actually been found within the limits of the State. The only cases in which it has not been strictly observed, are in the Birds, whose known habits render it almost certain, that if found both north and south of the State, they may be regarded as belonging to its Fauna—and in the Fishes, whose similar habits require a similar admission.

In the three last divisions, the Invertebral animals, specimens collected within the State, of each of the species named, has passed under the eye and examination of the writer, except a few admitted on good authority, and indicated by a *; and the references given in the last two divisions have also been examined by him, with a few exceptions, indicated in a like manner. He is indebted to Prof. Tuomey, to Dr. E. Ravenel, Dr. Ogier, Rev. Dr. Bachman, Mr. F. S. Holmes, and Mr. J. H. Richard, of this city, to Dr. T. L. Burden, of John's Island, and to Dr. Barrett, of Abbeville, for the transmission to him of specimens of species that would otherwise have escaped his notice. Nearly all the species named, are in his cabinet; for the remainder he must refer to those of his friends.

To add to the value of the catalogue, the scientific names have been accented throughout, except in a few cases where the accent falls on the letter *y* in a word, or upon the first letter, a capital, for which the fount did not supply accented letters.

In the two first divisions, the vulgar names applied to the animals in this State have been given, as far as known. In the two last, not many having received common names, it was thought more useful to give references to a figure or description.

Charleston, July, 1847.

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