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A CATALOGUE

OF THE

SHELL BEARING

MOLLUSCA OF RHODE ISLAND.

BY

Francis
HORACE F. CARPENTER.

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THIS CATALOGUE is a supplement to a series of papers on the Conchology of Rhode Island, read from time to time during the past two years before the Providence Franklin Society, and published in the Central Falls "Weekly Visitor." Being descriptions of all the Shells found or liable to be found within the limits of the State, and represented in the Cabinet of the Franklin Society by a collection of Shells classified and arranged as follows:

PART FIRST.—THE TERRESTRIAL MOLLUSCA.

The Terrestrial Mollusca of Rhode Island all belong to the Class Gasteropoda, Sub-Class Pulmonifera, Order Pulmonata, and consist of 2 Sub-Orders, 5 Families, 4 Sub-Families, 20 Genera, and 36 Species, viz.:

Sub-Order.	Family.	Sub-Family.	Genera.	Species.
Geophila...	Helicidæ		Mesodon.....	alternata, Say.
			Anguispira.....	albolabris, Say. thyroides, Say.
	Vitrinidæ	Vitrininae	None.	
		Helicellinae	Hyalina.....	arborea, Say. Binneyana, Morse. cellaria, Muller.
			Pseudohyalina.....	exigua, Stimp. indentata, Say.
			Striatura.....	milium, Morse.
			Conulus.....	chersina, Say.
		Valloninae	Vallonia.....	minuta, Say.
			Helicodiscus.....	lineata, Say.
			Patula.....	striatella, Anthony.
			Strobila.....	labyrinthica, Say.
Limnophila.	Succinidæ		Succinea.....	avara, Say. Totteniana, Lea.
			Brachyspira.....	ovalis, Gould.
	Pupidæ		Zua.....	lubricoides, Stimp.
			Pupilla.....	pentodon, Say.
			Leucochila.....	armifera, Say. contracta, Say. corticarica, Say.
			Isthmia.....	fallax, Say. rupicola, Say.
				Bollesiana, Morse. Gouldii, Binney. milium, Gld. ovata, Say.
			simplex, Gld. ventricosa, Morse.	
	Auriculidæ	Auriculinae	Alexia.....	myosotis, Draparnaud.
			Carychium.....	exiguum, Say.
	Thalassophila	Melampinae	Melampus.....	bidentatus, Say.
			None.

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PART SECOND.—THE FLUVIATILE MOLLUSCA.

THE FLUVIATILE MOLLUSCA of Rhode Island, consist of two classes, containing 2 Sub-Classes, 3 Orders, 2 Sub-Orders, 9 Families, 4 Sub-Families, 21 Genera, and 39 Species, namely:

Class Gasteropoda, Sub-Class Pulmonifera, Order Pulmonata.

Sub-Order.	Family.	Sub-Family.	Genera.	Species.
Limnophila.	Limnæidæ.	Limnæinæ.	Limnophysa....	desidiosa, Say. elodes, Say. humilis, Say.
			Neristoma....	columella, Say. (var chalybea, Gld.) macrostoma? Say.
		Planorbinae.	Planorbis....	lentus, Say.
			Helisoma....	bicarinatus, Say.
			Planorbella....	campanulatus, Say.
			Menetus....	exacutus, Say.
	Physidæ.	Physinæ.	Gyraulus....	deflectus, Say. & var. virens, Adams. dilatatus, Gould.
				hirsutus, Gould. parvus, Say.
			Planorbula....	armigera, Say.
	Ancylidæ		Ancylus....	fuscus, Adams. parallelus, Hald.
	Physidæ	Physinæ	Physa....	ancillaria, Say. heterostropha, Say.
			Bulinus....	elongatus, Say.

Sub-Class Dioeca, Order Pectinibranchiata.

Tænioglossa.	Valvatidæ		Tropidina....	tricarinata, Say.
			Lyogyryus....	pupoideus, Gld.
	Viviparidæ		Campeloma....	decisa, Say.
	Amnicolidæ	Amnicolinæ	Amnicola....	limosa, Say.
	Pomatiopsidæ		Pomatiopsis....	Brownii, H. F. Carpenter. novem sp.

Class Acephala.

Order.	Family.	Genera.	Species.
Dimyaria...	Corbiculadæ	Sphærium....	partumeium, Say. rhomboideum, Say. securis, Prime. similis, Say.
		Pisidium....	abditum, Hald. variabile, Prime. Virginicum, Bourgn.
	Unionidæ	Unio....	complanatus, Solander. nasutus, Say. radiatus, Gmelin.
		Alasmodon....	marginata, Say. undulata, Say. arcuata, Barnes.
		Anodon....	cataracta, Say. implicata, Say. undulata, Say.

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PART THIRD.—THE MARINE MOLLUSCA.

THE MARINE MOLLUSCA of Rhode Island, as considered here, consists of 2 Classes, 3 Sub-Classes, 8 Orders, 6 Sub-Orders, 52 Families, 10 Sub-Families, 89 Genera, and 131 Species, namely:

Class Gasteropoda, Sub-Class Diœca.

Order.	Sub-Order.	Family.	Sub-Family.	Genera.	Species.
Pectinibranchiata	Toxoglossa	Pleurotomidæ		Clathurella	plicata, Adams.
		Fasciariidæ	Fusinæ	Sipho	Islandicus, Gme.
		Buccinidæ	Buccininæ	Buccinum	undulatum, Moll.
			Chrysodominæ	Fulgur	carica, Gme.
	Rhachiglossa	Nassidæ	Nassinæ	Sycotypus	canaliculatus, Linn.
				Nassa	vibex, Say.
		Muricidæ	Muricinæ	Tritia	trivittata, Say.
				Ilyanassa	obsoleta, Say.
		Columbellidæ	Purpurinæ	Eupleura	caudata, Say.
				Urosalpinx	cinera, Say.
Pectinibranchiata	Pectinibranchiata	Rissoïdæ	Rissoïnæ	Purpura	lapillus, Linn.
				Astyris	lunata, Say. rosacea, Gld.
		Littorinidæ	Littorinæ		dissimilis, Stm.
				Anachis	avara, Say.
		Vermetidæ	Vermetus	Littorinella	aculeus, Gld. minuta, Totten.
				Lacuna	neritoidea, Gld. vineta, Mont.
Pectinibranchiata	Tænioglossa	Cæcidæ		Littorina	palliat, Say. rudis, Don.
					tenebrosa, Mont.
		Cerithiadæ	Cerithinæ	Vermetus	radicula, Stimp.
				Cæcum	pulchellum, Stimp. costatum, Verrill.
		Cerithiopsidæ		Bittium	Greenii, Adams. nigrum, Stimp.
				Triforis	nigrocinctus, Adams.
Pectinibranchiata	Ptenoglossa	Calyptridæ		Cerithiopsis	Emersonii, Adams. terebralis, Adams.
				Crucibulum	striatum, Say.
		Naticidæ		Crepidula	convexa, Say. fornicata, Say.
					glauca, ? Say.
		Ianthinidæ		Ianachus	unguiformis, Lam.
				Natica	pusilla, Say.
Pectinibranchiata	Ptenoglossa	Scalariidæ		Lunatia	heros, Say. triseriata, Say.
				Neverita	duplicata, Say.
		Ianthinidæ		Mamma	immaculata, Totten.
				Ianthina	fragilis, Desh.
		Scalariidæ		Scalaria	lineata, Say. multistriata, Say.

Sub-Class Exocephala.

Rhipidoglossa	Scutibranchiata	Trochidæ	Margarita	helicina, O. Fabr. obscura, Couth.
Docoglossa	Proteobranchiata	Acmæidæ	Collisella	alveus, Con. testudinalis, Mull.
Polyplacophora		Chitonidæ	Tonicia	apiculatus, Say. marmoreus, Fabr. ruber, Lowe.

Sub-Class Opisthobranchiata

Tectibranchiata	{	Actæonidæ.....	Actæon.....	puncto-striata, Adams.	
		Bullidæ.....	Bulla.....	occulta, Mighels. solitaria, Say.	
		Cylichnidæ.....	Cylichna.....	alba, Brown. oryza, Totten.	
			Utriculus.....	canaliculatus, Say.	
		Amphyspiridæ.....	Diaphana.....	debilis, Gld.	
		Eulimidæ.....	Eulima.....	oleacea, Kurtz & Stimp.	
		Pyramidellidæ.....	{	Odostomia.....	bisuturalis, Say. fusca, Ad. semi-
				nuda, Ad. trifida, Totten.	
	Turbonilla.....	interrupta, Totten. elegans, Verrill.			

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PART THIRD.—THE MARINE MOLLUSCA.

Class Acephala.

Order.	Family.	Genera.	Species.
	Pholadidæ.....	{ Pholas.....costata, <i>Linne.</i>	truncata, <i>Say.</i>
		{ Zirphaca.....crispata, <i>Linne.</i>	
	Solenidæ.....	{ Ensatella.....Americana, <i>Binney.</i>	
		{ Tagelus.....gibbus, <i>Spengl.</i>	
	Solecurtidæ.....	{ Mesopleura.....bidens, <i>Chem.</i>	
		{ Siliqua.....costata, <i>Say.</i>	
	Saxicavidae.....	{ Saxicava.....rugosa, <i>Penn.</i>	
	Myidæ.....	{ Mya.....arenaria, <i>Linn.</i>	
	Corbulidæ.....	{ Corbula.....contracta, <i>Say.</i>	
		{ Neaera.....pellucida, <i>Stimp.</i>	
	Pandoridæ.....	{ Clidiophora.....trilineata, <i>Say.</i>	
		{ Anatina.....papyracea, <i>Say.</i>	
	Anatinidæ.....	{ Lyonsia.....hyalina, <i>Con.</i>	
		{ Periploma.....Leana, <i>Con.</i>	
		{ Thracia.....Conradi, <i>Couth.</i>	truncata, <i>Migh.</i>
	Mactriidæ.....	{ Hemimactra.....solidissima, <i>Chem.</i>	
		{ Mulinea.....lateralis, <i>Say.</i>	
	Mesodesmidæ.....	{ Ceronia.....arctata, <i>Con.</i>	
	Amphidesmidæ.....	{ Cumingia.....tellinoides, <i>Con.</i>	
		{ Macoma.....fusca, <i>Say.</i>	
Dimyaria.....	Tellinidæ.....	{ Angulus.....modestus, <i>Verrill.</i>	tenera, <i>Say.</i>
		{ Peronæa.....tenta, <i>Say.</i>	
	Petricolidæ.....	{ Petricola.....pholadiformis, <i>Say.</i>	dactylus? <i>Say.</i>
	Solemyidæ.....	{ Solemya.....borealis, <i>Totten.</i>	velum, <i>Say.</i>
		{ Callista.....convexa, <i>Say.</i>	
	Veneridæ.....	{ Mercenaria.....mercenaria, <i>Linn.</i>	notata, <i>Say.</i>
		{ Gemma.....gemma, <i>Totten.</i>	Manhattensis, <i>Prime.</i>
	Cardiadæ.....	{ Cardium.....pinnulatum, <i>Con.</i>	
		{ Liocardium.....Mortonii, <i>Con.</i>	
	Lucinidæ.....	{ Cyclas.....dentata, <i>Wood.</i>	
		{ Cryptodon.....Gouldii, <i>Philippi.</i>	
	Laseidæ.....	{ Kellia.....planulata, <i>Stimp.</i>	
	Leptonidæ.....	{ Lepton.....nitida, <i>Verrill.</i>	=Verrilli, <i>H. F. Carpenter.</i>
		{ Montacuta.....elevata, <i>Stimp.</i>	Gouldii, <i>Thompson.</i>
	Crassatellidæ.....	{ Gouldia.....mactracea, <i>Linsley.</i>	
		{ Astarte.....castanea, <i>Say.</i>	quadrans, <i>Gould.</i>
	Carditidæ.....	{ Venericardia.....borealis, <i>Con.</i>	
	Nuculidæ.....	{ Nucula.....delphinodonta, <i>Migh.</i>	proxima, <i>Say.</i>
	Ledidæ.....	{ Yoldia.....limatula, <i>Say.</i>	sapotila, <i>Gld.</i>
		{ Argina.....pexata, <i>Say.</i>	
	Arcidæ.....	{ Scapharca.....transversa, <i>Say.</i>	
		{ Mytilus.....edulis, <i>Linn.</i> , and var. pellucidus, <i>Penn.</i>	
Heteromyaria.....	Mytillidæ.....	{ Modiola.....hamatus, <i>Say.</i>	modiolus, <i>Linn.</i>
		{ Modiolaria.....discors, <i>Linn.</i>	plicatula, <i>Lam.</i>
		{ Crenella.....glandula, <i>Totten.</i>	
Monomyaria.....	{ Ostreidæ.....	{ Ostrea.....borealis, <i>Lam.</i>	Virginica, <i>Lister.</i>
	{ Anomiadæ.....	{ Anomia.....aculeata, <i>Gme.</i>	glabra, <i>Verrill.</i>
	{ Pectinidæ.....	{ Pecten.....fuscus, <i>Linsley.</i>	Islandicus, <i>Mult.</i>
			irradians, <i>Lam.</i>
			tenui-costatus, <i>Migh.</i>