



Ernst Mayr Library  
Museum of Comparative Zoology  
Harvard University

HARVARD UNIVERSITY

Moll  
OLL  
411  
A2  
B5  
1963  
Vt. 1-2



LIBRARY  
OF THE

DEPARTMENT OF MOLLUSKS  
IN THE  
MUSEUM OF COMPARATIVE ZOOLOGY

*Gift of:*

RICHARD I. JOHNSON

---

11866

Mc2 Mollusk Dept.

RICHARD I. JOHNSON

2<sup>nd</sup> copy

to be kept in E Room



RICHARD I. JOHNSON

SMITHSONIAN MISCELLANEOUS COLLECTIONS.

---

BIBLIOGRAPHY

OF

NORTH AMERICAN CONCHOLOGY

PREVIOUS TO THE YEAR 1860.

PREPARED FOR THE SMITHSONIAN INSTITUTION

BY

W. G. BINNEY.

---

PART I.

AMERICAN AUTHORS.

---



WASHINGTON:  
SMITHSONIAN INSTITUTION.

MARCH, 1863.

## ADVERTISEMENT.

---

THE Smithsonian Institution has endeavored to procure the compilation of a series of Manuals of North American Conchology, of which several are now in press, and others in an advanced stage of preparation. The present work, which has been compiled by Mr. Binney, serves as a companion to the above mentioned series, and presents at one view the complete bibliography of the references in the other volumes.

Of the two parts into which the plan of Mr. Binney divides the work, Part I, with its three sections, is herewith presented. Part II is in press, and will embrace, in addition, a full index of authors, with a list of the publications of each, and a complete alphabetical index of all the names and synonyms, both generic and specific, referred to.

In order to render the work more perfect, a copy will be sent, as far as possible, to each living author mentioned, who is particularly requested to examine carefully and critically the account of his own writings, and to communicate to the Institution any errors or omissions, or any suggestions for improvement, to be incorporated into an appendix to Part II.

JOSEPH HENRY,  
*Secretary S. I.*

SMITHSONIAN INSTITUTION,  
WASHINGTON, March, 1863.

( ii )

## PREFACE.

---

THE Bibliography of North American Conchology is intended to give a full account first, of the writings of American conchologists generally, and secondly, of such works of foreign authors as relate to the Shells or Mollusks of North America, as far south as about the Isthmus of Tehuantepec, and exclusive of the West Indies. It is therefore divided into two parts, as above indicated. Part I again separated into Section A, American descriptions of North American Mollusks, Section B, American descriptions of foreign Mollusks, and Section C, descriptions of foreign species by American authors in foreign works. Part I of the Bibliography, according to the above limitations, is herewith presented. Part II, to follow immediately, will complete the work and be accompanied by a full index of authors and names, and by a history of American Conchology.

It will be seen that each separate work or paper on the Recent Conchology of North America is taken up, its title and date given, its author's name, and a list of species therein described or in any important manner referred to, together with their synonymy, locality, and the volume, page, plate and figure relating to them. For their value as contributions to our knowledge of geographical distribution I have also quoted all the local lists of species, without descriptions. General works on Natural History and school books containing notices of conchology are sometimes referred to. They are too numerous and of too little importance to the scientific student to make it an object to include them all.

I have not included the Bryozoa. As it was necessary to draw the line between those to be omitted or quoted among the genera of doubtful position, I have decided to give only those included in the "Genera of Recent Mollusca," by H. and A. Adams.

The numerous typographical errors among the specific names of some of our works, especially local catalogues, have caused me some trouble and uncertainty. It was originally my intention to

correct them in my quotations, but it soon became evident that the better way would be to follow the original strictly. I have, therefore, done so, in the majority of cases. Many of the catalogues published without descriptions, and several of the general works not having been transcribed in my MSS., have been placed directly in the hands of the printer to be quoted. In these cases the original has been followed exactly. Generally it is easy to correct a typographical error—thus when an author describes a *Melania altalis*, it is evidently a mistake for *altitlis*. And it is often easy to correct such errors as *Helix immitissima*, which my knowledge of the names of our *Helices*, would enable me to change to *minutissima*. But when I find a quotation of *Helix materna*, even my special knowledge does not enable me to decide whether the author refers to *Helix fraterna* or *Helix interna*. In genera which I have not personally studied I should have no clue of this kind to guide me. It has seemed best, therefore, to adopt the plan of giving a faithful reprint of the original. Any corrections of typography which my friends may make, should be confined, therefore, to my own errors, omitting those repeated from the original work.

The geographical limits to which I have confined my work are the whole continent of North America, including Greenland and the Arctic regions on the north, and including on the south the Mexican States of Chiapas and Tabasco. Thus the West Indies are not included, nor should one expect to find as perfect a quotation of the species of South Western Mexico as of any portion of the United States. My limits are such as to embrace the fauna of North America, but not that of Panama or the West Indies.

All the quotations are given from personal examination of the works quoted. The proof has generally been corrected from the original work, thus avoiding many errors committed in transcribing. As it cannot be hoped that no mistakes have escaped my scrutiny, I particularly desire any person to call my attention to any that may be noticed.

W. G. BINNEY.

BURLINGTON, N. J., March, 1863.



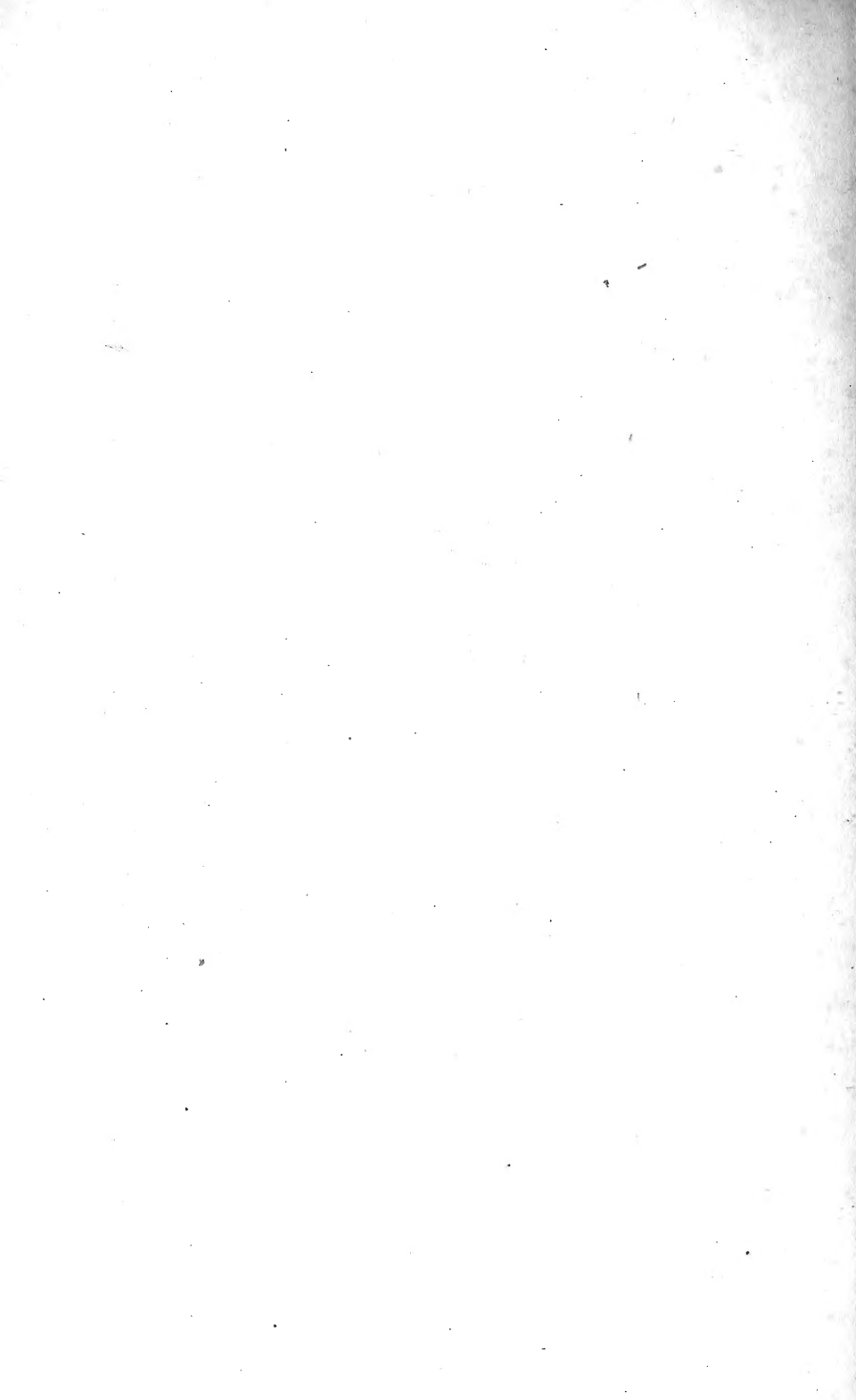
# CONTENTS.

---

Advertisement . . . . .	ii
Preface . . . . .	iii

## PART I.—TITLES OF WORKS AND ARTICLES PUBLISHED BY AMERICAN AUTHORS.

SECTION A.—Descriptions of North American Mollusks in American works . . . . .	1
SECTION B.—American descriptions of foreign Mollusks in American works . . . . .	481
SECTION C.—American descriptions of foreign Mollusks in foreign works . . . . .	609
Appendix to Section A . . . . .	615
Index of authors . . . . .	635
Errata . . . . .	649



PART I.

AMERICAN AUTHORS.

---

A.—WRITINGS ON AMERICAN SPECIES.

---



# BIBLIOGRAPHY

OF

## NORTH AMERICAN CONCHOLOGY.

**Rafinesque.**—Monographie des Coquilles bivalves et fluviatiles de la rivière Ohio (contenant douze genres et soixante-huit espèces: par M. C. S. RAFINESQUE, Prof. de bot. et d'hist. nat. à l'Univ. Transylvane de Lexington. Extrait de la 15<sup>me</sup> livraison du 5<sup>me</sup> tome des Annales Générales des Sciences Physiques. Sept. 1820, Bruxelles.)

**Poulson.**—The same, translated by C. A. POULSON, Philadelphia, 1832, without the plates, and with a frontispiece of *Unio verrucosa Raf.*

Page.	Plate.	Fig.	Page of tr.	Name.	Locality.
				FAM. PEDIFERIA.	
				1 <sup>re</sup> Sous-fam. UNIODIA.	
				1 <sup>re</sup> Genre <b>UNIO.</b>	
				1 <sup>re</sup> Sous-genre <b>Elliptio.</b>	
25	LXXX	1-4	15	<i>nigra Raf.</i>	Ohio.
27			18	<i>crassa Say.</i>	
27			19	<i>viridis Raf.</i>	Ohio & Kentucky river.
28			20	<i>fasciata Raf.</i>	Ohio, Alleghany, &c.
28			20	<i>caroliniana Bosc. (no des.)</i>	
28			20	<i>plicata? Lesueur =</i> var. d' <b>U. crassa</b> (no des.)	Lac Erie.
28			20	<i>purpureus Say (no des.)</i>	Pennsylvania.
29			20	<i>aurata Raf.</i>	Hudson river.
				<i>pictorum</i>	
				2 <sup>eme</sup> Sous-genre <b>Leptodea.</b>	
29	LXXX	5-7	21	<i>leptodon Raf.</i>	Ohio.
29			22	<i>fragilis Raf.</i>	
30	LXXX	8-10	22	<i>nervosa Raf.</i>	Ohio river.

Page.	Plate.	Fig	Page of tr.	Name.	Locality.
30			23	3 <sup>eme</sup> Sous-genre <b>Aximedia.</b>	
30	LXXX	11-13	24	<i>elliptica Raf.</i>	Louisville, Maysville.
31			24	<i>levigata Raf.</i>	Kentucky river.
				<i>zonalis Raf.</i>	Ohio river.
				4 <sup>eme</sup> Sous-genre <b>Eurynia.</b>	
31			25	<i>dilatata Raf.</i>	
31	LXXX	14-15	25	<i>latissima Raf.</i>	
32			26	<i>solenoides Raf.</i>	Ohio river.
				(3) <i>U. cylindrica</i> S.	
				2 <sup>eme</sup> Genre <b>LAMPSILIS.</b>	
32	LXXX	16-19	27	<i>cardium Raf.</i>	
32			27	<i>ovata Say.</i>	
33			28	<i>fasciola Raf.</i>	Kentucky.
33			28	<i>rosea Raf.</i>	Hudson river.
33			28	<i>pallida Raf.</i>	Hudson river.
				3 <sup>eme</sup> Genre <b>METAPTERA.</b>	
34	LXXX	20-22	29	<i>megaptera Raf.</i>	Ohio river.
34			30	<i>ochraceus Say (no des.)</i>	
34			30	<i>cariosus Say (no des.)</i>	
				4 <sup>eme</sup> Genre <b>TRUNCILLA.</b>	
34	LXXXI	1-4	31	<i>triqueter Raf.</i>	Ohio river.
35			31	<i>truncata Raf.</i>	
				5 <sup>eme</sup> Genre <b>OBLIQUARIA.</b>	
				1 <sup>re</sup> Sous-genre <b>Plagiola.</b>	
36			33	<i>decorticata Raf.</i>	Ohio river, Mississippi.
36			33	<i>interrupta Raf.</i>	Ohio river, Kentucky.
36	LXXXI	5-7	34	<i>depressa Raf.</i>	Evansville, Indiana.
37			35	<i>lineolata Raf.</i>	Ohio river.
				2 <sup>eme</sup> Sous-genre <b>Ellipsaria.</b>	
37			35	<i>ellipsaria Raf.</i>	Kentucky river.
37			36	<i>fasciolaris Raf.</i>	Ohio river, &c.
38	LXXXI	10-12	37	<i>verrucosa Raf.</i>	Ohio river.
38	LXXXI	8-9	37	<i>cuprea Raf.</i>	Monongahela, Potomac.
39			38	<i>attenuata Raf.</i>	Hudson river.
				3 <sup>eme</sup> Sous-genre <b>Quadrula.</b>	
39	LXXXI	13-14	38	<i>flava Raf.</i>	Kentucky, &c.
39			39	<i>cyphya Raf.</i>	Ohio river.
39	LXXXI	15-16	39	<i>metanevra Raf.</i>	Kentucky.
40			40	<i>reflexa Raf.</i>	Kentucky river.
40	LXXXI	19-20	41	<i>retusa Raf.</i>	Ohio and Kentucky riv.
40			41	<i>flexuosa Raf.</i>	Kentucky river.
41	LXXXI	17-18	42	<i>nodulata Raf.</i>	Kentucky river.
41			42	<i>quadrula Raf.</i>	Ohio river.
41			43	<i>bullata Raf.</i>	Ohio river.
				4 <sup>eme</sup> Sous-genre <b>Rotundaria.</b>	
42			44	<i>tuberculata Raf.</i>	Ohio river, &c.
42	LXXXI	21-23	44	<i>subrotunda Raf.</i>	Ohio river, &c.
42			45	<i>pusilla Raf.</i>	Ohio river.

Page.	Plate.	Fig.	Page of tr.	Name.	Locality.
				5 <sup>eme</sup> Sous-genre <b>Scalenaria.</b>	
43			46	<i>obliquata Raf.</i>	Kentucky river.
43			46	<i>triangularis Raf.</i>	
43	LXXXI	24-25	47	<i>scalenia Raf.</i>	Kentucky river.
				6 <sup>eme</sup> Sous-genre <b>Sintoxia.</b>	
44			47	<i>lateralis Raf.</i>	
44			48	<i>sintoxia Raf.</i>	Ohio river.
				II <sup>eme</sup> Sous-fam. AMBLEMIDIA	
				6 <sup>eme</sup> Genre <b>OBOVARIA.</b>	
45			49	<i>obovalis Raf.</i>	Ohio river, &c.
45	LXXXII	1-3	49	<i>torsa Raf.</i>	Ohio river.
45			50	<i>striata Raf.</i>	Ohio river.
46			51	<i>pachostea Raf.</i>	Kentucky river.
46	LXXXII	4-5	51	<i>stegaria Raf.</i>	Ohio river.
46	LXXXII	6-7	52	<i>cordata Raf.</i>	Ohio river.
				7 <sup>eme</sup> Genre <b>PLEUROBEMA.</b>	
47	LXXXII	8-10	53	<i>mytiloides Raf.</i>	Wabash river.
47			53	<i>cuneata Raf.</i>	Ohio river.
				8 <sup>eme</sup> Genre <b>AMBLEMA.</b>	
48			55	<i>olivaria Raf.</i>	Kentucky river.
48			55	<i>rubra Raf.</i>	Kentucky river.
48	LXXXII	11-12	56	<i>torulosa Raf.</i>	Kentucky and Ohio riv.
49			56	<i>gibbosa Raf.</i>	Ohio river, &c.
49	LXXXII	13-14	57	<i>costata Raf.</i>	Ohio and Kentucky riv.
				III <sup>eme</sup> Sous-fam. ANODONTIDIA.	
				9 <sup>eme</sup> Genre <b>ANODONTA.</b>	
				1 <sup>re</sup> Sous-genre <b>Anodonta.</b>	
50			59	<i>An. marginata Say (no des.)</i>	
50			59	<i>cataracta Say (no des.)</i>	
50			59	<i>atra Raf.</i>	Hudson river.
50			59	<i>cuneata Raf.</i>	Hudson river.
				2 <sup>eme</sup> Sous-genre <b>Strophitus.</b>	
50			60	<i>undulata Say (no des.)</i>	
				3 <sup>eme</sup> Sous-genre <b>Lastena.</b>	
50			60	<i>Ohioensis Raf.</i>	Ohio river, &c.
51	LXXXII	17-18	61	<i>lata Raf.</i>	Kentucky river.
				IV <sup>eme</sup> Sous-fam. ALASMIDIA.	
				10 <sup>eme</sup> Genre. <b>ALASMIDONTA.</b>	
51			62	<i>A. marginata Say.</i>	Scioto river.
52	LXXXII	15-16	63	<i>costata Raf.</i>	Kentucky river.

Page.	Plate.	Fig.	Page of tr.	Name.	Locality.
				V <sup>eme</sup> Sous-fam. <b>CYCLADIA.</b>	
				11 <sup>eme</sup> Genre <b>CYCLAS.</b>	
				<b>Polymesoda.</b>	
52			64	<b>C. Caroliniana</b> <i>Bosc.</i> (no des.)	
				<b>Phymesoda.</b>	
52			64	<b>C. dubia</b> <i>Say</i> (no des.)	
				<b>Amesoda.</b>	
52			64	<b>C. similis</b> <i>Say</i> (no des.)	
				<b>Corbicula</b> (MEGERLE).	Foreign species.
				—————	
52	LXXXII	19-21	64	<b>C. (Ameroda) lasmopsis</b> <i>Raf.</i>	Ohio river, &c.
52			65	<b>C. (Phymeroda) equalis</b> <i>Raf.</i>	Ohio river.
				12 <sup>eme</sup> Genre <b>TREMESIA.</b>	
54	LXXXII	22-24	67	<b>Tremesia patelloides</b> <i>Raf.</i>	Ohio river.
54			67	<b>Mytilus recurvus</b> <i>Raf.</i>	New Orleans.
55			68	<b>Unio (Eurynia) teres</b> <i>Raf.</i>	Wabash river.
55			68	<b>Obliquaria (Ellipsaria) sinuata</b> <i>Raf.</i>	Kentucky river.
55			69	<b>O. (Ellipsaria) atrovioleacea</b> <i>Raf.</i>	Kentucky river.
55			69	<b>O. (Plagiola) Cliffordiana</b> <i>Raf.</i>	Kentucky river.
56			70	<b>Unio (Amblema) antrorsa</b> <i>Raf.</i> <i>Obovaria pachostea.</i>	

**Rafinesque.**—Continuation of the same. Philadelphia, Oct. 1831.

Page.	Name.	Locality.
2	<b>Epioblasma</b> n. g.	
2	<b>biloba</b> <i>Raf.</i>	Green and Kentucky rivers.
2	<b>Toxalasma</b> n. g.	
2	<b>cyclips</b> <i>Raf.</i>	Ohio and Mississippi rivers.
2	<i>U. abruptus</i> <i>Say</i> ?	
2	<b>cinerescens</b> <i>Raf.</i>	Ohio and Kentucky rivers.
2	<b>lividus</b> <i>Raf.</i>	Rockcastle river.
2	<b>flexus</b> <i>Raf.</i>	Kentucky river.
2	<b>Bariosta</b> <i>Raf.</i> n. g.	
2	<b>ponderosa</b> <i>Raf.</i>	Ohio and Mississippi rivers.
2	<b>Lampsilis vittata</b> <i>Raf.</i>	Green river.
2	<b>Eurynia montana</b> <i>Raf.</i>	Cumberland & Alleghany mts.
2	<b>Lampsilis diploderma</b> <i>Raf.</i>	Salt river.
3	<b>Metaptera diaphana</b> <i>Raf.</i>	Kentucky.
3	<b>lasmabrachys</b> <i>Raf.</i>	Licking river.
3	<b>Eurynia rimosa</b> <i>Raf.</i>	Cumberland river.



Page.	Name.	Locality.
3	<b>Lemiox</b> Raf. n. s. g.	
3	<b>Eurynia fulva</b> Raf.	Green and Rockcastle rivers.
3	<b>Obliquaria calendis</b> Raf.	Dick river.
3	<b>Venus</b> Raf.	Kentucky & Cumberland riv's.
3	<b>Aximedia</b> Raf. n. s. g.	
3	<b>Obliquaria plateolus</b> Raf.	Cumberland river.
3	<b>teneltus</b> Raf.	Kentucky.
3	<b>bicolor</b> Raf.	Kentucky river.
3	<b>violacea</b> Raf.	
3	<i>Unio dilatata</i> Raf.	
3	<b>pallens</b> Raf.	Ohio and Kentucky.
3	<b>rivularis</b> Raf.	Cumberland mountains.
3	<b>fontinalis</b> Raf.	Cumberland mountains.
4	<b>chloris</b> Raf.	Cumberland mountains.
4	<b>Sintoxia</b> Raf.	
4	<b>Obliquaria castanea</b> Raf.	Kentucky.
4	<b>Truncilla perplexa</b> Raf.	Kentucky.
4	<b>granulata</b> Raf.	Salt river.
4	<b>metaplata</b> Raf.	Cumberland and Green rivers.
4	<b>Unio pustulatus</b> Raf.	} Are mentioned by name only.
4	<b>punctatus</b> Raf.	
4	<b>scabar</b> Raf.	
4	<b>elegans</b> Raf.	
4	<b>badius</b> Raf.	
4	<b>crenulatus</b> Raf.	
4	<b>Unio latissima</b> Raf.	
4	<i>U. recta</i> Lam?	
4	<b>retusa</b> Raf. = <b>premorsus</b> Raf.	
4	<b>depressa</b> Raf. = <b>compressus</b> Raf.	
4	<b>sinuata</b> Raf. = <b>cultratus</b> Raf.	
4	Subgenera of <b>Alasmodonta</b> .	
4	<b>Lasmigona</b> Raf.	
4	<b>Amblasmodon</b> Raf.	
4	<b>Decurambis</b> Raf.	
4	<b>Sulcularia</b> Raf.	
5	<b>Pterosyna</b> Raf. n. g. = <b>Alasmodonta complanata</b> Say.	
5	<b>Alasmodon ponderosum</b> Raf.	Ohio and Mississippi.
5	<b>Gonamblyus</b> Raf.	
5	<b>Alasmodon rugosum</b> Raf.	Tennessee river.
5	<b>sulcatum</b> Raf.	Tennessee and Mississippi.
5	<b>viridis</b> Raf.	Ohio river.
5	<b>Amblasmodon hians</b> Raf.	Tennessee river.
5	<b>Decurambis scriptum</b> Raf.	Green river.
5	<b>atropurpureum</b> Raf.	Cumberland River.
5	<b>Sulcularia badium</b> Raf.	Knobs.

Page.	Name.	Locality.
5	<i>papyracea Raf.</i>	East Kentucky.
5	<i>Lasmonos fragilis Raf.</i>	East Kentucky.
6	<i>Anodonta inflata Raf.</i>	Kentucky and Green river.
6	<i>digonota Raf.</i>	Lake Erie.
6	<i>rufa Raf. (no des.)</i>	
6	<i>Flexiptis Raf. n. s. g.</i>	
6	<i>Diplasma Raf. n. g.</i>	
	<i>marginata Raf.</i>	Tennessee?

**Rafinesque.**—*Apolosa*, the Mollusca: by C. S. RAFINESQUE.  
(From *Annals of Nature*, No. 1, 1820, with descriptions.)

Page.	No.	Name.	Locality.
10		<i>Phylomycus Raf. n. g.</i>	
10	69	<i>quadrolus Raf.</i>	Hudson river.
10	70	<i>oxyurus Raf.</i>	New York.
10	71	<i>fuscus Raf.</i>	Ohio.
10	72	<i>flexuolaris Raf.</i>	Catskill mountains.
10		<i>Eumelus Raf. n. g.</i>	
10	73	<i>nebulosus Raf.</i>	Ohio, Kentucky.
10	74	<i>lividus Raf.</i>	Ohio, Kent'ky, Ind.
10	75	<i>gracilis Raf. (Deroceras?)</i>	Hendersonville, Ky.
10		<i>Hemiloma Raf. n. g. (univalve land shell).</i>	
10	76	<i>ovata Raf. (fossil?)</i>	Lexington.
11	77	<i>Pleurocera verrucosa Raf.</i>	Ohio river.

**Lesueur.**—Descriptions of several new species of Cuttle-fish:  
by C. A. LESUEUR. (From *Journal of the Academy of Natural  
Sciences of Philadelphia*, vol. ii, part i, 1821.)

Vol.	Page.	Plate.	Name.	Locality.
ii	92	viii	<i>Loligo Pealeii Lesueur.</i>	C. of South Carolina?
ii	95	?	<i>illecebrosa Lesueur.</i>	Sandy Bay, Newfoundland.
ii	96	?	<i>pavo Lesueur.</i>	Sandy Bay.
ii	98	ix	<i>Onykia Carribæa Lesueur.</i>	Gulf of Mexico.

**Barnes.**—On the Genera *Unio* and *Alasmodonta*; with Intro-  
ductory Remarks: by D. W. BARNES, M. A., Member N. Y.  
Lyc. Nat. Hist. (*American Journal Science and Art*, O. S. vi,  
No. 1, pp. 107-127; No. 2, pp. 258-280. Date of title, 1823.)

Page.	Fig.	Name.	Locality.
118	1	<i>Unio crassus Say.</i>	Ohio & Mississippi rivers; lakes.
		<i>U. crassidens Lam.</i>	
		<i>Mya ponderosa Dillw.?</i>	
120	2	<i>undulatus Barnes.</i>	Ohio river.
		<i>U. Peruviana? Lam.</i>	

Page.	Fig.	Name.	Locality.
120	3	<b>Unio plicatus</b> Say. <i>U. rariplicata</i> Lam.	Ohio, Mississippi, Wisconsin.
121	4	<b>undatus</b> Barnes. <i>U. obliqua</i> Lam. ?	Wisconsin and Fox rivers.
122	5	<b>cornutus</b> Barnes.	Fox river.
123	6	<b>verrucosus</b> Barnes.	Wisconsin riv. ; Lake Erie.
124	7	<b>nodosus</b> Barnes.	Wisconsin.
125	8	<b>tuberculatus</b> Barnes.	Wisconsin.
126	9	<b>rugosus</b> Barnes.	Ohio.
259	19	<b>ellipticus</b> Barnes. <i>U. crassus</i> Say. <i>Mya complanata</i> Dillw.	Fox river.
259	10	<b>carinatus</b> Barnes.	Fox river.
260		<b>alatus</b> Say.	Wisconsin.
261	11	<b>prælongus</b> Barnes. <i>U. purpurata</i> Lam. ?	Wisconsin.
262	12	<b>gibbosus</b> Barnes.	Wisconsin.
263		<b>cuneatus</b> Barnes.	Ohio river.
264		<b>purpureus</b> Say. <i>U. purpurescens</i> Lam. <i>rarisulcata</i> Lam. ? <i>coarctata</i> Lam. ? <i>rhombula</i> Lam. ? <i>carinifera</i> Lam. ? <i>Georgina</i> Lam. ?	East of Alleghany mts.
265		<b>radiatus</b> Dillw. <i>U. ochraceus</i> Say. <i>radiata</i> Lam.	North America.
266	13	<b>mucronatus</b> Barnes.	Wisconsin river.
266		<b>inflatus</b> Barnes.	Wisconsin riv. & Lake Erie.
267	14	<b>ventricosus</b> Barnes.	Wisconsin and Miss. rivers.
269	15	<b>siliquoides</b> Barnes.	Wisconsin river.
270		<b>ovatus</b> Say.	Ohio and Maumee rivers.
271		<b>cariosus</b> Say.	North America.
272	16	<b>planus</b> Barnes.	Wisconsin river.
272	17	<b>triangularis</b> Barnes.	Detroit river.
273		<b>nasutus</b> Say.	Delaware river.
274		<b>gracilis</b> Barnes. <i>U. alatus</i> Say.	Wisconsin riv. & the lakes.
274	18	<b>parvus</b> Barnes.	Fox river.
277	20	<b>Alasmodonta arcuata</b> Barnes.	West Canada Creek.
278	21	<b>rugosa</b> Barnes.	Fox river.
278	22	<b>complanata</b> Barnes.	Fox river, Wisconsin.
279		<b>marginata</b> Say. (no des.)	
279		<b>undulata</b> Say. (no des.)	

**Lesueur.**—Description of a new species of Cephalopode of the genus *Loligo*: by C. A. LESUEUR. (From *Journal Acad. Nat. Sci. of Philadelphia, O. S.*, vol. iii, pt. 2, 1824.)

Vol.	Page.	Plate.	Name.	Locality.
3	282	x	<i>Loligo brevipinna</i> Lesueur.	Delaware Bay.

**Lesueur.**—Description of several new species of Ascidia: by C. A. LESUEUR. (From the same, vol. iii, pt. 1, 1823.)

Vol.	Page.	Plate.	Name.	Locality.
3	vii	4, 5	<i>Ascidia proboscidea</i> Lesueur.	Georgia.
(Only American species.)				

**Coates.**—Remarks on the floating apparatus and other peculiarities of the genus *Janthina*: by REYNELL COATES, M. D. (In the *Journal of the Academy of Natural Sciences of Philadelphia*, vol. iv, pt. 2, p. 356-360, 1825.)

**Barnes.**—Notes on the *Murex corona* of Gmelin: by D. H. BARNES. (From the *Annals of the New York Lyceum of Natural History*, vol. ii, pp. 291, 292. Read Oct. 8, 1827. Date of title-page of vol. ii, 1828.)

Page.	Name.	Locality.
291	<i>Murex corona</i> Gmel. <i>Fusus corona</i> Lam.	Gulf of Mexico.

**Green.**—Description of *Helix Pennsylvanicus*: by JACOB GREEN. (From the *Contributions of the Maclurian Lyceum to the Arts and Sciences*, vol. i, No. 1, p. 8. Philadelphia: Jan. 1827.)

**Green.**—Some remarks on the *Unio* of the United States, with a description of a new species: by JACOB GREEN, A. M., Prof. Chem. Jeff. Med. Coll. (From the same, vol. i, No. 2, p. 41. July, 1827.)

[Specific characters, variations, naure, monstrosities, erosion, pearls, habits of various species, and facts concerning synonymy.]

Page.	Fig.	Name.	Locality.
46	iii	<i>Unio Æsopus</i> Green.	Pittsburg.

[Descriptions and figures of *Achatina Stewartii* and *A. Oahuensis* are given in the succeeding article, and in No. 3, by the same author.]

**Barnes.**—Reclamation of *Unios*: by D. H. BARNES. (Amer. Journal of Science and Arts, O. S., vol. xiii. No. 2, pp. 358–364. Date of title, Jan. 1828.)

[This paper forms a criticism of Valenciennes' *Uniones* in Humboldt and Bonpland's *Zoological Observations*.—W. G. B.]

Page.	
359	<i>Unio ovata</i> Val. = <i>U. cariosus</i> Say.
3 0	<i>Dombeyanus</i> = Conf. <i>U. rugosus</i> and <i>U. undulatus</i> .
360	<i>verrucosus</i> = <i>U. verrucosus</i> b. Barnes.
360	<i>tuberculatus</i> = <i>U. verrucosus</i> Barnes (young).
360	<i>rostratus</i> = <i>U. nasutus</i> Say non Lam.
361	<i>naviformis</i> Lam. = <i>U. cylindricus</i> Say.
361	<i>rectus</i> Lam.
361	<i>hians</i> = <i>Alasmodonta undulata</i> Say.
363	<i>Anodonta glauca</i> = <i>An. marginata</i> Say.
363	<i>purpurea</i> = <i>Alasmodonta</i> .

**Hildreth.**—Observations on, and descriptions of, the Shells found in the waters of the Muskingum River, Little Muskingum, and Duck Creek, in the vicinity of Marietta, Ohio: by S. P. HILDBRETH, M. D. (In the American Journal of Science, O. S., vol. xiv, pp. 276–291, 1828. With two plates.)

Page.	Fig.	
278	1	<i>Unio crassus</i> .
278	2	<i>ellipticus</i> .
279	3	<i>cuneatus</i> .
279	4	<i>undulatus</i> .
280	5	<i>plicatus</i> . (Var. of <i>undatus</i> teste Barnes.—Eds. Jour.)
280	6, 7	<i>undatus</i> .
281	8	<i>verrucosus purpureus</i> .
281	9	<i>verrucosus albus</i> .
281	10	<i>nodosus</i> .
282	11	<i>tuberculatus</i> .
282	12	<i>rugosus</i> .
283	13	<i>cylindricus</i> .
283	14	<i>phaseolus</i> .
		(White var. of <i>cuneatus</i> teste Barnes.—Eds. Jour.)
284	15	<i>orbiculatus</i> .
284	16	<i>foliatus</i> [Hildreth].
		(New and distinct, Barnes.—Eds. Journal.)
285	17	<i>alatus</i> .
286	18	<i>prælongus</i> .
286	19	<i>gibbosus</i> .

Page.	Fig.	
286	20	<b>Unio radiatus.</b> ( <i>U. ventricosus</i> (young) Barnes.—Ed. Jr.)
287	21	ovatus.
287	22	triangularis.
288	23	gracilis.
289	24	<b>Alasmodonta rugosa.</b>
289	25	complanata.
290	26	<b>Anodonta undulata.</b>
290	27	<b>Paludina decisa.</b>

**Nicklin.**—Conchological Observations on Lamark's Family of Naiades: by PHILIP HOULBROOKE NICKLIN. (From Transactions American Philosophical Society, N. S., vol. iii, pp. 395-399. Read March 6, 1829.)

**Menke.**—Synopsis methodica Molluscorum, etc., quæ in Museo-Menkeano adservantur; cum synonymia critica et novarum specierum diagnosis, auctore CAROLO THEODORO MENKE, M. D.<sup>ro</sup>. Pyrmonti, 1830. Editio altera.

[I give only the American species described as new.—W. G. B.]

Page.	Name.	Locality.
132	<b>Physa striata</b> <i>Menke.</i>	Goshen, Mass.
132	subarata <i>Menke.</i>	Cincinnati.
133	<b>Cyclostoma Mexicanum</b> <i>Menke.</i>	Papantla, Mexico.
134	<b>Paludina sulcosa</b> <i>Menke.</i>	Cincinnati.
134	<b>Melania cruentata</b> <i>Menke.</i>	Cincinnati.
134	ovularis <i>Menke.</i>	Cincinnati.
135	angulosa <i>Menke.</i>	Cincinnati.
135	livescens <i>Menke.</i>	Lake Erie.
135	curta <i>Menke.</i>	Philadelphia.
136	exarata <i>Menke.</i>	Cincinnati.
136	ligata <i>Menke.</i>	Cincinnati.
136	fasciata <i>Menke.</i>	Philadelphia.
136	auriscalpium <i>Menke.</i>	Cincinnati.
137	<b>Oxytrema crenulatum</b> <i>Menke.</i>	Mexico.

**Green.**—Monograph of the Cones of North America, including three new species: by JACOB GREEN, M. D. (From Transactions of the Albany Institute, vol. i. Albany, 1830.)

Page.	Plate.	Fig.	Name.	Locality.
122	iii	1	<b>Conus mus</b> Brug.	Florida Keys.
123	iii	4	<b>Leucosticus</b> Gmel.	Florida Keys.
123	iii	3	<b>Pealii</b> Green.	Keys Vache.
123	iii	5, 6	<b>mamillaris</b> Green.	Florida.
124	iii	2	<b>Marylandicus</b> Green (fossil).	Maryland.
124			<b>deluvianus</b> Green (fossil)	St. Mary's, Md.

(Remarks on **Pecten Clintonius** Say, fossil.)

**Green.**—On the *Dolia* of the United States: by same. (From the same work.)

Page.	Plate.	Name.	Locality.
131	iv	<b>Dolium zonatum</b> Green.	Western coast.
132		<b>perdix</b> Lin.	Chesapeake Bay to Florida.
132		<b>plumatum</b> Green.	
		<i>Buccinum maculosum</i> Solander?	
133		<b>olearium</b> Lin.	Florida.

**Green.**—Notes on the American Shells figured in the Supplement to the Index Testaceologicus: by same. (From same work as above. No descriptions are given.)

Page.	
134	<b>Unio (Mya) rotunda</b> Wood = <b>U. circulus</b> Lea. <b>Mya oblongata.</b> nasuta. undulata Wood, not <b>U. undulata</b> Barnes; <b>U. plicatus</b> Lesueur (teste Lea) is <b>U. Peruviana</b> Lam. gravis and cariosus. rugulosa is not rugosus Barnes (not a var. of metanevra). obliquus Wood = obliqua Lam. or scalenius Raf.
135	<b>Castalia ambigua</b> not from U. S. <b>Unio rigida</b> Wood. praelonga Barnes = <b>rectus</b> Lam. <b>Hyria unguata</b> Wood not U. S. <b>Strombus noviboracenses</b> Wood = <b>Nassa obsoleta.</b> <b>Helix angulata</b> = <b>Planorbis bicarinatus.</b> <b>Paludina subcarinata</b> Wood = <b>Pal. dissimilis.</b> <b>Helix fraterna</b> Wood = <b>H. hirsuta</b> Say. <b>Paludina discissa</b> Wood = <b>Pal. subcarinata</b> Say. dissimilis Wood = <b>Pal. discisa</b> Say. Virginica Wood = <b>Melania Virginica.</b>
136	<b>Polygyra auriculata</b> Say = <b>Helix Sayii</b> Wood.

(Also remarks on the American species of *Unio* in the British Museum, and notes on figures of Wood which are correctly named.)

**Conrad.**—On the Geology and Organic Remains of a part of the peninsula of Maryland: by TIMOTHY A. CONRAD. (In the Journal of the Academy of Natural Sciences of Philadelphia, vol. vi, pt. 2, pp. 205–217, 1830.)

The following species are said to be found recent on our coast:—

Page.		Page.	
207	<b>Crepidula convexa</b> Say.	208	<b>Psammobia fusca</b> Say.
207	<i>glauc</i> a Say.	208	<i>lusoria</i> Say.
207	<b>Fusus cinereus</b> Say.	208	<b>Solen Caribæus</b> Linn.
207	<b>Nassa obsoleta</b> Say.	208	<i>ensis</i> Linn.
207	<i>trivittata</i> Say.	208	<b>Venus mercenaria</b> Lam.
207	<b>Natica duplicata</b> Say.	211	<b>Nassa trivittata</b> Say.
207	<b>Ranella caudata</b> Say.	211	<i>obsoleta</i> Say.
207	<b>Arca transversa</b> Say.	211	<i>lunata</i> Say.
207	<i>ponderosa</i> Say.	211	<b>Natica heros</b> Say.
207	<b>Corbula contracta</b> Say.	211	<b>Pyrula carica</b> Lam.
208	<b>Clathrodon cuneata</b> Gray.	211	<i>canaliculata</i> Lam.
	<i>Cyrena truncata</i> Lam.?	211	<b>Scalaria clathrus</b> .
208	<b>Mactra lateralis</b> Say.	212	<b>Arca arata</b> Say.
208	<b>Mya mercenaria</b> Say.	212	<b>Cytherea concentrica</b> Lam.
208	<b>Mytilus hamatus</b> Say.	212	<b>Ostrea Virginica</b> Lam.
208	<b>Pandora trilineata</b> Say.	212	<b>Saxicava distorta</b> Say.
208	<b>Petricola pholadiformis</b>	212	<b>Venus paphia</b> ?
	Lam.	216	<b>Lucina divaricata</b> Lam.
	<i>P. fornicata</i> Say.	216	<b>Fissurella græca</b> Lam.
208	<b>Pholas costata</b> Lam.		

**Conrad.**—In the same volume of the Journal (pp. 256–268), are descriptions of fifteen new species of recent, and three of fossil shells, chiefly from the coast of the United States, by TIMOTHY A. CONRAD; with a plate. April, 1831.

Page.	Plate.	Fig.	Name.	Locality.
256			<b>Mactra solidissima</b> Chemnitz.	
			<i>M. solida</i> var. $\beta$ Gmelin.	
			<i>M. procera</i> Solander.	
			<i>M. grandis</i> Solander.	
			<i>M. stultorum</i> Solander.	
			<i>M. gigantea</i> Lamark.	
			<i>M. similis</i> Say.	
257	xi	1	<b>arcata</b> Conrad.	Massachusetts.
258	xi	2, 3	<b>tellinoides</b> Conrad.	Mass., R. I., Fl.
258	xi	4	<b>nucleus</b> Conrad.	New Jersey.
259	xi	5, 6, 7	<b>Cardium Mortoni</b> Conrad.	Northern coast.
260	xi	8	<b>pinnulatum</b> Conrad.	Massachusetts.



Page.	Plate.	Fig.	Name.	Locality.
250			<b>Pecten Pealii</b> Conrad.	Maine.
261	xi	12	<b>Mya hyalina</b> Conrad.	Northern coast.
261			<b>Cytherea convexa</b> Say.	R. I., N. J.
263	xi	11	<b>Anatina Leana</b> Conrad.	Northern coast.
263	xi	13	<b>Mytilus leucophæatus</b> Conrad.	Southern coast.
265			Remarks on <b>Pecten Magellanicus</b> .	
266	xi	17, 18	<b>Velutina rupicola</b> Conrad.	Massachusetts.
266	xi	19	<b>Lacuna pertusa</b> Conrad.	Massachusetts.
267	xi	20	<b>Patella alveus</b> Conrad.	Massachusetts.

**Short; Eaton.**—Notices of Western Botany and Conchology: by C. W. SHORT, M. D., and H. H. EATON, A. M. (From the *Transylvania Journal of Medicine*, Feb. 1831. No descriptions are given, but full notes and the locality of each species.)

Page.		Page.	
74	<b>Unio plicatus</b> Lesueur. <i>U. costata</i> Raf. ?	77	<b>Unio rectus</b> Lea. <i>U. prælongus</i> Barnes.
74	<b>mytiloides</b> Raf. <i>U. undatus</i> Barnes.	78	<b>gibbosus</b> Barnes.
74	<b>scalenius</b> Raf.	78	<b>cuneatus</b> Barnes.
75	<b>ellipsis</b> Lea.	78	<b>ovatus</b> Say.
75	<b>sulcatus</b> Lea.	78	<b>occidens</b> Lea.
75	<b>ridibundus</b> Say.	78	<b>triangularis</b> Barnes.
75	<b>torulosus</b> Raf. <i>U. cornutus</i> Barnes. <i>U. foliatus</i> Hildreth.	78	<b>parvus</b> Barnes.
75	<b>verrucosus</b> Barnes.	79	<b>zigzag</b> Lea.
76	<b>metanever</b> Raf. <i>U. nodosus</i> Barnes. <i>U. rugosus</i> Barnes.	79	<b>triqueter</b> Raf. <i>U. calceolus</i> Lea.
76	<b>lachrymosus</b> Lea.	79	<b>monodonta</b> Say. <i>Alasmodonta costata</i> Raf.
76	<b>tuberculatus</b> Barnes.	80	<b>Symphonota alata</b> Lea. <i>U. alatus</i> Say.
76	<b>cylindricus</b> Say.	80	<b>complanata</b> Lea. <i>Alasm. complanata</i> Barn.
76	<b>cariosus</b> Say. <i>U. crassus</i> Say. <i>U. carinatus</i> Barnes. <i>U. ellipticus</i> Barnes.	80	<b>lævissima</b> Lea.
77	<b>phaseolus</b> Hildreth. <i>U. planulatus</i> Lea.	80	<b>gracilis</b> Lea. <i>U. gracilis</i> Barnes. <i>U. planus</i> Barnes.
77	<b>securis</b> Lea. <i>U. depressa</i> Raf.	80	<b>tenuissima</b> Lea. <i>Anodonta lata</i> Raf. ?
77	<b>torsus</b> Raf.	81	<b>Alasmodonta rugosa</b> Barnes.
77	<b>circulus</b> Lea.	81	<b>Anodonta undulata</b> Say.
77	<b>irroratus</b> Lea.	81	<b>Cyclas similis</b> Say.
		82	<b>Melania Sayii</b> Wood.
		82	<b>Virginica</b> Say (Limnea).
		82	<b>Paludina decisa</b> Say.
		82	— ?

**Rafinesque.**—Enumeration and account of some remarkable Natural Objects in the Cabinet of Prof. RAFINESQUE, in Philadelphia. Philadelphia, Nov. 1831.

FLUVIATILE UNIVALVE SHELLS.

Page.	Name.	Locality.
2	<b>Pleurocera gonula</b> Raf.	Kentucky river.
3	<b>acuta</b> Raf.	Lake Erie.
3	<b>rugosa</b> Raf.	Western Kentucky.
3	<b>Melania (Ambloxyus) rugosa</b> Raf.	Cumberland mountains.
3	<b>viridis</b> Raf.	Licking river.

LAND UNIVALVE SHELLS.

3	<b>Aplodon</b> Raf. n. g.	
3	<b>nodosum</b> Raf.	Kentucky.
3	<b>Stenostoma</b> Raf. n. g.	
3	<b>convexa</b> Raf.	Kentucky.
3	<b>Toxostoma</b> Raf. n. g.	
3	<b>globularis</b> Raf.	Kentucky.
3	<b>Mesodon</b> Raf. n. g.	
3	<b>maculata</b> Raf.	
3	<b>Trophodon</b> Raf. n. g.	
3	<b>Odomphium</b> Raf. n. g.	
3	<b>Omphalina</b> Raf. n. g.	
3	<b>cuprea</b> Raf.	Kentucky.
3	<b>Triodopsis</b> Raf. n. g.	
3	<b>lunula</b> Raf.	Kentucky.
3	<b>Menomphis</b> Raf. n. s-g.	
3	<b>Xolotrèma</b> Raf. n. g.	
3	<b>clausa</b> Raf.	
3	<b>Agatina variegata</b> Raf.	Louisiana.
3	<b>fuscata</b> Raf.	Texas.

**Green.**—Notes of a Naturalist: by JACOB GREEN, M. D. (From the Cabinet of Natural History and American Rural Sports, vol. ii. J. & T. Doughty: Philadelphia, 1832.)

Page.	Name.	Locality.
290	<b>Unio capax</b> Green.	Falls of St. Anthony; Bayou Tèche.
291	<b>Helicina rubella</b> Green.	Western Pennsylvania.
291	<b>Paludina Alleghanensis</b> Green.	Mountains of Pennsylvania.

**Anonymous.**—Ohio Shells; a criticism on Notices of Western Botany and Conchology by C. W. SHORT, M. D., and H. HULBERT EATON, A. M. (R. S); and Monograph of the Bivalve Shells of the river Ohio: translated from the French of Prof. RAFINESQUE by C. A. POULSON, Esq. (From the Monthly American Journal of Geology and Natural Science, vol. i, No. 8, pp. 370-377. Philadelphia, Feb. 1832.)

**Investigator.**—Remarks on the article contained in Silliman's Journal for April, 1832, entitled "Mr. Lea on the Naiades:" by INVESTIGATOR. (From the same, vol. i, No. 12, pp. 537-549. June, 1832.)

Page.

543	<b>Unio occidentalis</b> Lea = <b>U. ventricosus</b> Barnes.
544	<b>oriens</b> Lea = <b>U. dehiscens</b> Say.
544	<b>trapezoides</b> Lea = <b>U. interruptus</b> Say.
544	<b>multiplicatus</b> Lea = <b>U. heros</b> Say.
544	<b>ellipsis</b> Lea = <b>U. olivaria</b> Rafinesque.
545	<b>irroratus</b> Lea = <b>U. stegaria</b> var. Rafinesque.
545	<b>planulatus</b> Lea = <b>U. fasciolaris</b> Rafinesque.
545	<b>circulus</b> Lea = <b>U. striata</b> var. <b>rosea</b> Rafinesque.
	<i>U. orbiculatus</i> } are also remarked on.
	<i>torsus</i> } <i>rotundata</i> }
545	<b>patulus</b> Lea = <b>U. cuneata</b> Rafinesque.
545	<b>rubiginosus</b> Lea = <b>U. flava</b> Rafinesque.
546	<b>donaciformis</b> Lea = <b>U. truncata</b> Rafinesque.
546	<b>securis</b> Lea = <b>U. depressa</b> Rafinesque.
546	<b>pustulosus</b> Lea = <b>U. bullata</b> Rafinesque.
546	<b>pustulatus</b> Lea = <b>U. nodosa</b> Rafinesque.
546	<b>soleniformis</b> Lea = <b>U. monodonta</b> Say.
546	<b>perplexus</b> Lea = <b>U. gibbosa</b> Rafinesque.
546	<b>pileus</b> Lea = <b>U. flexuosus</b> Rafinesque.
546	<b>sulcatus</b> Lea = <b>U. obliquata</b> Rafinesque.
546	<b>pyramidatus</b> Lea = <b>U. rubra</b> Rafinesque.
546	<b>lachrymosus</b> Lea = <b>U. metanevra</b> Rafinesque?
	<i>U. metanevra</i> Rafinesque, is not <i>U. quadrula</i> .
546	<b>asperrimus</b> Lea = <b>U. rugosus</b> Barnes.
546	<b>brevidens</b> Lea = <b>U. depressa</b> Rafinesque.
546	<b>varicosus</b> Lea = <b>U. esopus</b> Green.

**Conrad.**—On some New Fossil and Recent Shells of the United States: by T. A. CONRAD. (Am. Journ. Sci., O. S., xxiii, No. 2, pp. 339-346. Date of title-page, Jan. 1833.)

## RECENT SHELLS.

Page.	Name.	Locality.
344	<b>Lucina Floridana</b> Conrad.	Pensacola.
345	<b>Cytherea Sayana</b> Conrad. <i>C. convexa</i> Say (preoc.)	Rhode Isl. & N. Jersey.
345	<b>Melampus borealis</b> Conrad.	Rhode Island.
345	<b>Ungulina transversa</b> Lam. (notes on).	West Indies. *
345	<b>Lima glacialis</b> Lam. (notes on).	West Indies.
346	<b>Pholas costata</b> Lin. (notes on).	Mid. & Southern States.
346	<b>Cardium Mortoni</b> Conrad (notes on).	Southern States, Fla.

**Ravenel.**—Catalogue of Recent Shells in the Cabinet of ED-  
MUND RAVENEL, M. D. Charleston, S. C., 1834.

[No descriptions are given. The following are the American species:—]

Page.	Name.	Locality.
2	<b>Teredo navalis</b> Lam.	South Carolina.
2	<b>Pholas costata</b> Lam.	South Carolina.
2	<b>oblongata</b> Say.	South Carolina.
2	<b>truncata</b> Say.	South Carolina.
2	<b>cuneiformis</b> Say.	South Carolina.
2	<b>Solen ensis</b> Lam.	Maine, South Carolina.
2	<b>viridis</b> Say.	South Carolina.
2	<b>caribæus</b> Lam.	South Carolina.
2	<b>radiatus.</b>	Massachusetts.
2	<b>Mya arenaria</b> Lam.	Bay of New York.
2	<b>Lutraria canaliculata</b> Say.	South Carolina.
2	<b>lineata</b> Say (rare).	South Carolina.
2	<b>Mactra gigantea</b> Lam. <i>solidissima</i> Chem. <i>similis</i> Say. <i>grandis</i> Solander.	Massachusetts.
2	<b>similis</b> Say. <i>grandis</i> Solander.	South Carolina.
2	<b>lateralis</b> Say.	South Carolina.
2	<b>oblongata</b> Say.	South Carolina.
3	<b>Amphidesma æquale</b> Say.	South Carolina.
3	<b>orbiculata</b> Say.	South Carolina.
3	<b>lepida</b> Say.	South Carolina.
3	<b>Corbula contracta</b> Say.	South Carolina.
3	<b>Pandora trilineata</b> Say.	Nantucket.
3	<b>Pectriola pholadiformis</b> Lam	South Carolina.
3	<b>dactylus</b> Sowb.	South Carolina.
3	<b>flagellata</b> (new) Say.	South Carolina.
3	<b>Sanguinolaria lusoria</b> Conrad. <i>Psammobia lusoria</i> Say.	South Carolina.

Page.	Name.	Locality.
3	<b>Sanguinolaria fusca</b> <i>Conrad.</i> <i>Psammobia fusca</i> <i>Say.</i>	South Carolina.
3	<b>Tellina tenuis?</b>	South Carolina.
4	<i>interrupta</i> <i>Dillw.</i>	South Carolina.
4	<i>alternata</i> <i>Say.</i>	South Carolina.
4	<i>polita</i> <i>Say.</i>	South Carolina.
4	<i>iris</i> <i>Say.</i>	South Carolina.
4	<i>brevifrons</i> <i>Say</i> (new).	South Carolina.
4	<b>Lucina edentula</b> <i>Lam.</i>	South Carolina.
4	<i>divaricata</i> <i>Lam.</i>	South Carolina.
4	<b>Donax variabilis</b> <i>Say.</i>	South Carolina.
4	<b>Crassina castanea</b> <i>Say.</i>	Maine.
4	<b>Cyclas partumœia</b> <i>Say.</i>	South Carolina.
4	<i>similis</i> <i>Say.</i>	Pennsylvania.
4	<b>Cyrena caroliniensis</b> <i>Lam.</i>	South Carolina.
4	<b>Cyprina Islandica</b> <i>Lam.</i>	Massachusetts.
4	<b>Cytherea gigantea</b> <i>Lam.</i>	East Florida.
4	<i>concentrica</i> <i>Lam.</i>	South Carolina.
4	<b>Sayana.</b>	Rhode Island.
4	<b>Venus mercenaria</b> <i>Lam.</i>	South Carolina.
5	<i>paphia.</i>	South Carolina (rare).
5	<i>notata</i> <i>Say.</i>	N. York, South Carolina.
5	<b>Cardium Isocardia</b> <i>Lam.</i>	South Carolina (rare).
5	<i>muricatum</i> <i>Lam.</i> (var.)	South Carolina.
5	<i>maculatum</i> <i>Dillw.</i>	South Carolina.
5	<b>Mortoni</b> <i>Conrad.</i>	Massachusetts.
5	<b>Arca scapha</b> <i>Lam.</i>	South Carolina (rare).
5	<i>incongrua</i> <i>Say.</i>	South Carolina.
5	<i>pezata</i> <i>Say.</i>	South Carolina.
5	<i>ponderosa</i> <i>Say.</i>	South Carolina.
5	<i>transversa</i> <i>Say.</i>	South Carolina.
5	<b>Campechensis</b> <i>Dillw.</i>	South Carolina.
5	<b>Unio alatus</b> <i>Lam.</i>	Ohio river.
	<i>Symphinota alata</i> <i>Lea.</i>	
5	<i>angustatus</i> <i>Lea.</i>	Cooper river, S. C.
5	<i>asperimus</i> <i>Lea.</i>	Ohio river.
5	<i>œsopus</i> <i>Greene.</i>	Ohio river.
5	<i>cariosus</i> <i>Say.</i>	Ohio river.
5	<i>circulus</i> <i>Lea.</i>	Ohio river.
	<i>U. rotundatus</i> <i>Lam.</i>	
6	<b>complanatus</b> <i>Soland.</i>	South Carolina.
	<i>U. purpureus</i> <i>Say.</i>	
	<i>carenifera</i> <i>Lam.</i> (var.)	
6	<b>congareus</b> <i>Lea.</i>	Congaree river, S. C.

Page.	Name.	Locality.
6	<b>Unio cornutus</b> Barnes. <i>U. reflexus</i> Raf.	Ohio river.
6	<b>cuneatus</b> Barnes. <i>U. niger</i> Raf.	Ohio river.
6	<b>cylindricus</b> Say. <i>U. naviformis</i> Lam.	Ohio river.
6	<b>decisus</b> Lea	Alabama river.
6	<b>elipsis</b> Lea.	Ohio river.
6	<b>foliatus</b> Hildreth.	Ohio river.
6	<b>formosus</b> Lea. <i>U. cuneatus</i> Swainson.	Ohio and Niagara rivers.
6	<b>gibbosus</b> Barnes.	Ohio river.
6	<b>irroratus</b> Lea.	Ohio river.
6	<b>lacrymosus</b> Lea. <i>U. quadrulus</i> Say.	Ohio river.
6	<b>lens</b> Lea.	Ohio river.
6	<b>metanever</b> Raf.	Ohio.
6	<b>multiplicatus</b> Lea.	Ohio.
6	<b>mytiloides</b> Raf.	Ohio.
6	<b>nasutus</b> Say. <i>U. rostrata</i> Valenc.	S. Carolina, Massachu'ts.
6	<b>ochraceus</b> Say.	Schuylkill river.
6	<b>ovatus</b> Say; Lam. 23	
6	<b>perplexus</b> Lea.	Ohio river.
6	<b>plicatus</b> Lesueur. <i>U. crassidens</i> Lam. <i>peruvianus</i> Lam. <i>rariPLICATA</i> Lam.	Ohio river.
6	<b>pustulatus</b> Lea.	Ohio.
6	<b>pustulosus</b> Lea.	Ohio.
6	<b>pyramidatus</b> Lea. <i>U. undatus</i> Barnes.	Ohio.
6	<b>rectus</b> Lam.	Ohio.
6	<b>radiatus</b> Gmel. <i>U. radiata</i> Lam. <i>virginiana</i> Lam.	Pennsylvania, S. Carol'a.
6	<b>securis</b> Lea.	Ohio.
6	<i>U. depressa</i> Raf.	
6	<b>siliquoides</b> Barnes.	Ohio.
6	<b>scalenius</b> Raf.	Ohio.
6	<b>subovatus</b> Lea.	Ohio.
6	<b>subtentus</b> Say.	Virginia.
6	<b>sulcatus</b> Lea.	
7	<b>tæneatus</b> (new?)	Cooper river, S. C.
7	<b>tenerus</b> (new?)	Cooper river, S. C.

Page.	Name.	Locality.
7	<b>Unio torsus</b> Raf.	Ohio.
7	<i>triangularis</i> Barnes.	Ohio.
7	<i>tuberculatus</i> Barnes.	Ohio.
7	<i>verrucosus</i> Barnes.	Ohio.
7	<i>zigzag</i> Lea.	Ohio.
7	<b>Alasmodonta arcuata</b> Say.	Maine, New Jersey.
7	<i>coarctata</i> (new?)	Riv's in upper part S. C.
7	<i>complanata</i> Say.	Ohio.
	<i>Symphinota complanata</i> Lea.	
7	<i>marginata</i> .	Mass., Niagara river.
7	<i>undulata</i> .	New Jersey.
7	<i>rugosa</i> Barnes.	Tennessee.
7	<b>Anodonta cataracta</b> Lam.	Maine, South Carolina.
7	<b>Chama arcinella</b> Lam.	South Carolina.
7	<b>Modiola papuana</b> Lam.	Maine.
7	<i>tulipa</i> Lam.	East Florida.
7	<i>lithophaga</i> Lam. (rare.)	East Florida.
7	<b>Mytilus borealis</b> Lam.	New York.
7	<i>demissus</i> Say.	South Carolina.
7	<i>leucopheus</i> Conrad.	South Carolina.
7	<b>Pinna seminuda?</b> Lam.	South Carolina.
7	<i>muricata?</i> Lam.	South Carolina.
	<i>P. rigida</i> Wood.	
8	<b>Avicula macroptera?</b> Lam.	South Carolina.
8	<b>Lima squamosa</b> Lam.	East Florida.
8	<i>glacialis</i> Lam.	East Florida.
8	<b>Pecten Magellanicus</b> Lam.	Maine.
8	<i>Islandicus</i> Lam.	Newfoundland.
	<i>P. Pelcii</i> Conrad.	
8	<i>concentricus</i> Say.	Massachusetts.
8	<i>dislocatus</i> Say.	East Florida.
8	<b>Plicatula cristata</b> Lam.	South Carolina.
8	<b>Ostrea Virginica</b> Lam.	South Carolina.
8	<i>equestris</i> Say (new).	South Carolina.
8	<i>fundata</i> Say (new).	South Carolina.
8	<b>Anomia ephippium</b> Lam.	South Carolina.
8	<b>Chiton apiculatus</b> Say (new).	South Carolina.
9	<b>Fissurella alternata</b> Say.	South Carolina.
9	<b>Crepidula fornicata</b> Lam.	South Carolina.
9	<i>aculeata</i> Lam.	South Carolina.
9	<i>conveza</i> Say.	South Carolina.
9	<i>plana</i> Say.	South Carolina.
9	<b>Bulla solitaria</b> Say.	South Carolina.
9	<b>Helix aspersa</b> Lam.	South Carolina.
9	<i>albolabris</i> Say.	S. Carolina, Penn'a.

Page.	Name.	Locality.
9	<b>Helix thyroideus</b> <i>Say.</i>	South Carolina.
9	<i>ligera.</i>	Pennsylvania.
9	<i>inornatus</i> <i>Say.</i>	South Carolina.
9	<i>perspectiva.</i>	Pennsylvania.
9	<i>tridentata</i> <i>Say.</i>	Pennsylvania.
	<i>H. trid. var. epliabus</i> <i>Say.</i>	South Carolina.
9	<i>avara</i> <i>Say.</i>	South Carolina.
9	<i>appressa</i> <i>Say.</i>	Pennsylvania.
9	<i>hirsuta.</i>	Pennsylvania.
9	<i>suppressa</i> <i>Say.</i>	South Carolina.
9	<i>gularis.</i>	Pennsylvania.
9	<i>glaphyra.</i>	Pennsylvania.
9	<i>fuliginosus.</i>	Pennsylvania.
10	<i>profunda</i> <i>Say.</i>	Pennsylvania.
10	<i>concava.</i>	Pennsylvania.
10	<i>Pennsylvanica.</i>	Pennsylvania.
10	<i>solitaria.</i>	Ohio.
10	<i>alternata</i> <i>Say.</i>	North Carolina.
10	<b>Bulinus undatus</b> <i>Lam. (var.)</i>	East Florida.
10	<i>mutilatus</i> <i>Say.</i>	South Carolina.
10	<b>Achatina glans</b> <i>Lam.</i>	South Carolina.
10	<b>Succinea ovalis</b> <i>Say.</i>	Pennsylvania.
10	<i>obliqua.</i>	Pennsylvania.
11	<b>Planorbis trivolvis</b> <i>Say.</i>	Delaware.
11	<i>lentus</i> <i>Say.</i>	South Carolina.
11	<i>complanatus.</i>	Western lakes.
11	<b>Physa heterostropha.</b>	Lehigh river, Penn'a.
11	<i>gyrina</i> <i>Say.</i>	South Carolina.
11	<b>Lymncea catascopium.</b>	Delaware.
11	<i>merostoma.</i>	Near Philadelphia.
11	<i>columella.</i>	Pennsylvania.
11	<i>emarginata.</i>	Maine.
11	<b>Melania subularis</b> <i>Lea.</i>	Niagara river.
11	<i>virginea.</i>	Schuylkill.
11	<i>dissimilis.</i>	Susquehanna.
11	<i>canaliculata</i> <i>Say.</i>	Ohio.
11	<i>carinata (new?)</i>	Yadkin river, N. C.
11	<i>costata (new?)</i>	Dan river, Virginia.
11	<i>dislocata (new?)</i>	Dan river, Virginia.
11	( <i>Anculosa</i> ) <i>procerosa</i> <i>Say.</i>	Ohio.
11	( <i>A.</i> ) <i>subcarinata.</i>	Susquehanna.
11	<i>conica</i> <i>Say.</i>	Ohio.
11	<b>Jo fusiformis</b> <i>Lea.</i>	Virginia.
	<i>Fusus fluviatilis.</i>	
11	<b>Pyrena scalariformis</b> <i>Say.</i>	East Florida.



Page.	Name.	Locality.
11	<b>Valvata tricarinata.</b>	New York canal.
11	<b>Paludina vivipara?</b>	St. John's riv. E. Florida.
12	<i>decisa</i> Say.	Maine, South Carolina.
12	<i>subcarinata.</i>	Schuykill.
12	<i>ponderosa</i> Say.	Ohio.
12	<i>maxima</i> (new?)	French Broad river.
12	<i>intertexta</i> Say.	So. Carolina (very rare).
12	<i>rudis</i> (new?)	Dan river, Virginia.
12	<i>nitida</i> (new?)	Dan river, Virginia.
12	<i>altalis</i> (new?)	Santee canal.
12	<b>Nerita peloronta</b> Lam.	East Florida.
12	<b>Natica heros</b> Say.	Massachusetts.
12	<i>duplicata</i> Say.	South Carolina.
12	<b>Sigaretus perspectivus</b> Say.	South Carolina.
13	<b>Tornatella bidentata</b> Say.	South Carolina.
13	<b>Scalaria clathrus</b> Say (var. b).	South Carolina.
	<i>angulata</i> Say (var.)	
13	<i>lineata</i> Say.	South Carolina.
13	<i>multistriata</i> Say.	South Carolina.
13	<b>Turbo littoreus</b> Lam.	United States.
14	<b>Phasianella sulcata</b> Lam.	South Carolina.
14	<i>angulifera</i> Lam.	East Florida.
14	<b>Cerithium dislocatum</b> Say.	South Carolina.
14	<i>concavum?</i> Say.	South Carolina.
14	<i>spiratum</i> (new?)	South Carolina.
14	<b>Cancellaria reticulata</b> Lam.	South Carolina.
14	<b>Fasciolaria tulipa</b> Lam.	South Carolina.
14	<i>distans</i> Lam.	South Carolina.
14	<i>trapezium</i> Lam.	South Carolina.
14	<b>Fusus Islandicus</b> Lam.	Maine.
14	<i>corona</i> Lam.	East Florida.
14	<i>cinereus</i> Say.	South Carolina.
14	<i>decemcostatus.</i>	Maine.
14	<b>Pyrula canaliculata</b> Lam.	South Carolina.
14	<i>carica</i> Lam.	South Carolina.
14	<i>perversa.</i>	South Carolina.
15	<i>reticulata?</i> Lam.	East Florida.
15	( <b>Fulgur pyruloides</b> ) Say.	South Carolina.
15	<b>Ranella caudata</b> Say.	South Carolina.
15	<b>Murex asperimus?</b> Lam.	South Carolina.
15	<b>Strombus accipitrinus</b> Lam. (var?)	East Florida.
15	<i>pyrulatus</i> Lam.	Key West.
16	<b>Purpura lapillus</b> Lam.	Maine.
16	<b>Dolium galea</b> Lam. (var.)	South Carolina.
17	<b>Buccinum undatum</b> (var.)	Maine.

Page.	Name.	Locality.
17	<i>Nassa trivitata Say.</i>	South Carolina.
17	<i>obsoleta Say.</i>	South Carolina.
17	<i>vibex Say.</i>	South Carolina.
17	<i>Colombella avara Say.</i>	South Carolina.
18	<i>Volvaria canaliculata Say.</i>	South Carolina.
18	<i>Ovula gibbosa Lam.</i>	East Florida.
18	<i>acicularis Lam.</i>	South Carolina.
18	<i>Cypræa cervina Lam.</i>	East Florida.
19	<i>Oliva sayana.</i>	South Carolina.
	<i>O. litterata Say.</i>	
19	<i>Zonalis Wood.</i>	Mexico.
19	<i>tenebrosa Wood.</i>	Mexico.
19	<i>mutica Say.</i>	South Carolina, Cuba.
19	<i>Conus mus Lam.</i>	East Florida.
19	<i>Spirula Peronii Lam.</i>	South Carolina.
20	<i>Argonauta argo Lam.</i>	East Florida.

**Kirtland.**—Observations on the Sexual Characters of the Animals belonging to Lamarck's Family of Naiades: by JARED P. KIRTLAND, M. D. (In American Journal of Science, vol. xxvi, No. 1, O. S., pp. 117-120; with outline figures. Date of title-page, July, 1834.)

Page.

119 *Unio formus* Lea, is male of *Unio triangularis* Barnes.  
*ridibundus* Say, is female of *U. sulcatus* Lea.

Outline figures are given of male and female of

<i>Unio ventricosus.</i>	<i>Unio ochraceus.</i>
<i>nasutus.</i>	<i>siliquideus.</i>
<i>rectus.</i>	

**Totten.**—Description of some new Shells belonging to the coast of New England: by JOS. G. TOTTEN. (In American Journal of Science, vol. xxvi, No. 2, O. S.; one plate. Date of title-page, July, 1834.)

Page.	Fig.	Name.	Locality.
366	1, h, i	<i>Solemya borealis Totten.</i>	Rhode Island.
366	1, k	<i>velum Say</i>	
367	2	<i>Venus gemma Totten.</i>	Provincetown, Newport.
367	3	<i>Modiola glandula Totten.</i>	Provincetown.
368	4	<i>Actæon trifidus Totten.</i>	Rhode Island.

Page.	Fig.		
368	5	<b>Turbo inflatus</b> <i>Totten.</i>	Plymouth.
369	6	<i>minutus</i> <i>Totten.</i>	Mass., Rhode Island.
369	7	<b>Pasithea nigra</b> <i>Totten.</i>	Rhode Island.

**Rogers.**—Analysis of Shells (recent Oyster): by WILLIAM B. ROGERS, Prof. of Chem. and Nat. Phil. in William and Mary College, Va. [From same as last, p. 361.]

**Conrad.**—Description of some New Species of Fresh-water Shells from Alabama, Tennessee, &c.: by TIMOTHY A. CONRAD, Member of the Acad. Nat. Sci. of Philadelphia. (Am. Journ. Sci. and Art. vol. xxv, No. 2, O. S. Date of title, Jan. 1834.)

Page.	Pl.	Fig.	Name.	Locality.
338	i	2	<b>Unio cœlatus</b> <i>Conrad.</i>	Elk & Flint rivs., Tenn.
338	i	3	<i>perovatus</i> <i>Conrad.</i>	Prairie creek, Marengo Co., Ala.
339	i	4	<i>lienosus</i> <i>Conrad.</i>	South Alabama.
339			<i>rubiginosus</i> <i>Lea</i> (no des.)	South Alabama.
339	i	6	<i>stramineus</i> <i>Conrad.</i>	South Alabama.
340	i	8	<i>arcus</i> <i>Conrad.</i>	Alabama river.
340	i	9	<i>arctatus</i> <i>Conrad.</i>	Bl. Warrior & Ala. rivs.
341	i	10	<b>Alasmodonta radiata</b> <i>Conrad.</i>	South Alabama.
341	i	12	<b>Anodonta subvexa</b> <i>Conrad.</i>	Black Warrior river.
341	i	11	<i>declivis</i> <i>Conrad.</i>	Flint river, Morgan Co. Ala.
342	i	5	<b>Cycias staminea</b> <i>Conrad.</i>	South Alabama.
342	i	13	<b>Melania olivula</b> <i>Conrad.</i>	Alabama river.
342	i	14	<i>prasinata</i> <i>Conrad.</i>	Alabama river.
342	i	15	<b>Anculosa picta</b> <i>Conrad.</i>	Alabama river.
343	i	3	<b>Unio subtentus</b> <i>Say</i> var.	Tennessee and Elk rivs.
343	i	7	<i>mytilloides</i> <i>Raf.</i>	Alabama river.
343			<b>Planorbis antrosus</b> <i>Conrad.</i>	Randon's creek, Claiborne, Ala.
343			<b>Melania congesta</b> <i>Conrad.</i>	Randon's creek, do.
343			<b>Physa pomilia</b> <i>Conrad.</i>	Randon's creek, do.

**Conrad.**—New Fresh-water Shells of the United States, with colored illustrations, and a Monograph of the genus *Anculotus* of Say; also, a Synopsis of the American Naiades: by T. A. CONRAD, Memb. Acad. Nat. Sci. Philadelphia. Philadelphia, 1834.

In the Introduction are remarks on the following species, their synonymy, geographical distribution, &c. :—

Page.		Page.	
7	<i>Unio cardium</i> .	12	<i>Anculotus tæniatus</i> .
7	<i>inflatus</i> .	14	<i>Unio decisis</i> .
7	<i>alatus</i> .	14	<i>trapezoides</i> .
7	<i>cariosus</i> .	14	<i>Alabamensis</i> .
7	<i>Alasmodonta marginata</i> .	14	<i>arctatus</i> .
8	<i>Unio purpureus</i> .	15	<i>Rangia cyrenoides</i> .
8	<i>declivis</i> .	17	<i>Unio rectus</i> .
8	<i>parvus</i> .	17	<i>acutissimus</i> .
9	<i>ater</i> .	17	<i>teres</i> .
9	<i>torsus</i> .	17	<i>plicatus</i> .
9	<i>nasutus</i> .	17	<i>reflexus</i> .
10	<i>reflexus</i> .	17	<i>verrucosus</i> .
10	<i>cornutus</i> .	17	<i>undatus</i> .
10	<i>verrucosus</i> .	17	<i>interruptus</i> .
10	<i>tuberculatus</i> .	17	<i>stapes</i> .
10	<i>declivis</i> .	17	<i>arcus</i> .
10	<i>flavus</i> .	17	<i>acutissimus</i> .
10	<i>rubiginosus</i> .	17	<i>decisis</i> .
10	<i>stramineus</i> .	17	<i>scalenius</i> .
10	<i>perovatus</i> .	17	<i>Alabamensis</i> .
11	<i>flavus</i> .	18	<i>asper</i> .
11	<i>teres</i> .	18	<i>apiculatus</i> .
11	<i>cariosus</i> .	18	<i>arctatus</i> .
12	<i>anodontoides</i> .	18	<i>glans</i> .
12	<i>fragilis</i> .	18	<i>tæniatus</i> .
12	<i>gracilis</i> .	18	<i>maculatus</i> .
12	<i>Fusus fluvialis</i> .	18	<i>subtentus</i> .
12	<i>Io fusiformis</i> .	18	<i>cælatus</i> .
12	<i>Paludina ponderosa</i> .	18	<i>trabalis</i> .
12	<i>Unio niger</i> .	18	<i>alatus</i> .
12	<i>reflexus</i> .	18	<i>Anodonta declivis</i> .
12	<i>triangularis</i> .	22	<i>Valvata arenifera</i> .
12	<i>Anculotus pictus</i> .		

Page.	Pl.	Fig.	Name.	Locality.
25	i		<i>Unio Poulsoni</i> Conrad.	Black Warrior riv., Ala.
26	iv	2	<i>tæniatus</i> Conrad.	Flint river, Morgan Co.
27	iii	5	<i>trabalis</i> Conrad.	[Ala.
28	iii	7	<i>nebulosus</i> Conrad.	Black Warrior riv., Ala.
28	iii	3	<i>cor</i> Conrad.	Elk & Flint rivs., Ala.
29	iii	4	<i>cælatus</i> Conrad.	Tenn., Elk & Flint rivs.
30	iv	4	<i>maculatus</i> Conrad.	Tenn., Elk & Flint rivs.
31	iv	3	<i>vibex</i> Conrad.	Black Warrior riv., Ala.

Page.	Pl.	Fig.	Name.	Locality.
32	iv	1	<b>Greenii</b> <i>Conrad.</i>	Black Warrior riv., Ala.
33	v	1	<b>penitus</b> <i>Conrad.</i>	Alabama river.
34	v	2	<b>Masoni</b> <i>Conrad.</i>	Savannah river.
35	v	3	<b>delumbis</b> <i>Conrad.</i>	Cooper river, S. C.
36	v	4	<b>arctatus</b> <i>Conrad.</i>	Alabama & Black Warrior river.
37	vi	1	<b>pectorosus</b> <i>Conrad.</i>	Elk river.
38	vi	2	<b>rubellus</b> <i>Conrad.</i>	Black Warrior river.
39	vi	3	<b>furvus</b> <i>Conrad.</i>	Black Warrior river.
39	vi	4	<b>Raveneli</b> <i>Conrad.</i>	Cooper river & Wateree Canal, S. C.
41	vi	5	<b>icterinus</b> <i>Conrad.</i>	Savannah river.
42	vii	1	<b>tenebrosus</b> <i>Conrad.</i>	Rappahannock, Va., & South Carolina.
43	ii	1	<b>altilis</b> <i>Conrad.</i>	Alabama.
43	ii	2	<b>perovalis</b> <i>Conrad.</i>	Alabama river.
44	iii	1	<b>prasinus</b> <i>Conrad.</i>	Fox River.
45	iii	2	<b>infucatus</b> <i>Conrad.</i>	Flint River.
46	iii	6	<b>oviformis</b> <i>Conrad.</i>	Tennessee.
47	ii	3	<b>perovatus</b> <i>Conrad.</i>	Greene Co., Ala.
47	vii	2	<b>Anodonta teres</b> <i>Conrad.</i>	Santee Canal, S. C.
48	viii	3	<b>Paludina genicula</b> <i>Conrad.</i>	Flint river, Ga.
48	viii	4	<b>magnifica</b> <i>Conrad.</i>	Ala. river (Claiborne).
49	iv	6	<b>Melania excurata</b> <i>Conrad.</i>	Tenn. riv. at Florence.
50	viii	1	<b>Hydeii</b> <i>Conrad.</i>	Black Warrior riv., Ala.
51	viii	2	<b>annulifera</b> <i>Conrad.</i>	Black Warrior riv., Ala.
51	iv	5	<b>salebrosa</b> <i>Conrad.</i>	Tenn. & Holston rivers.
52	viii	5	<b>pyrenella</b> <i>Conrad.</i>	North Alabama.
52	viii	6	<b>bitæniata</b> <i>Conrad.</i>	Black Warrior river.
53	viii	7	<b>comma</b> <i>Conrad.</i>	Black Warrior river.
54	viii	8	<b>lima</b> <i>Conrad.</i>	Elk river, Ala.
54	iv	7	<b>alveare</b> <i>Conrad.</i>	Elk river, Ala.
55	viii	9	<b>nassula</b> <i>Conrad.</i>	Tuscumbia, Ala.
55	viii	10	<b>cylindræa</b> <i>Conrad.</i>	Tombeckbee river.
56	viii	11	<b>trochiformis</b> <i>Conrad.</i>	North Alabama.
57	viii	12	<b>vestita</b> <i>Conrad.</i>	Greene Co., Ala.
57			<b>Ancylus filosus</b> <i>Conrad.</i>	Black Warrior river.

The following are mentioned by name only:—

Page.	Name.	Locality.
31	<b>Unio undatus</b> <i>Barnes.</i>	Alabama.
39	<b>congaræus</b> <i>Lea.</i>	Savannah river.
40	<b>nasutus.</b>	Santee canal and Augusta.
40	<b>angustatus</b> <i>Lea.</i>	Santee canal and Augusta.
40	<b>ochraceus</b> <i>Say?</i>	Santee canal & Rappahannock.

Page.	Name.	Locality.
40	<b>Unio congaræus</b> <i>Lea.</i>	Santee canal.
40	<b>delumbis</b> <i>Conr.</i>	Santee canal.
40	<b>purpureus</b> var. ?	Santee canal.
43	<b>cariosus</b> <i>Say.</i>	Rappahannock.

## ANCULOTUS.

Page.	Pl.	Fig.	Name.	Locality.
59	viii	13	<b>Anculotus prærorsus</b> <i>Say.</i>	Ohio and Tenn. rivers.
60	viii	14	<b>subglobosus</b> <i>Say.</i>	Holston and Tenn. rivs.
60	viii	15	<b>angulatus</b> <i>Conrad.</i>	Flint river, Morgan Co. Ala.
61	viii	18	<b>plicatus</b> <i>Conrad.</i>	Tenn. river in Ala.
61	viii	16	<b>monodontoides</b> <i>Conrad.</i>	Virginia.
62			<b>pictus</b> <i>Conrad.</i>	Alabama river.
62			<b>pumilus</b> <i>Conrad.</i>	Black Warrior riv. and Bayou Teche.
63			<b>tæniatus</b> <i>Conrad.</i>	Claiborne, Ala
64	viii	19	<b>melanoides</b> <i>Conrad.</i>	North Alabama
64	viii	17	<b>nigrescens</b> <i>Conrad.</i>	Maryland.

## SYNOPSIS OF NAIADES.

Page.		Page.	
67	<b>Unio abruptus</b> <i>Say.</i>	68	<b>Unio capax</b> <i>Green.</i>
	<i>U. cyclips</i> <i>Raf.</i>	68	<b>cælatus</b> <i>Conr.</i>
	<i>calendis</i> <i>Raf.</i>	68	<b>camptodon</b> <i>Say.</i>
67	<b>arctatus</b> <i>Conr.</i>	68	<b>cylindricus</b> <i>Say.</i>
67	<b>arcus</b> <i>Conr.</i>		<i>U. naviformis</i> <i>Lam.</i>
67	<b>apiculatus</b> <i>Say.</i>		<i>solenoides</i> <i>Raf.</i>
67	<b>asper</b> <i>Lea.</i>	68	<b>cor</b> <i>Conr.</i>
67	<b>acutissimus</b> <i>Lea.</i>	68	<b>congaræus</b> <i>Lea.</i>
67	<b>angustatus</b> <i>Lea.</i>	68	<b>cyphia</b> <i>Raf.</i>
67	<b>ater</b> <i>Lea.</i>		<i>U. Æsopus</i> <i>Green.</i>
	<i>U. lugubris</i> <i>Say.</i>		<i>cicatricosus</i> <i>Say.</i>
67	<b>alatus</b> <i>Say.</i>		<i>varicosus</i> <i>Lea.</i>
	<i>U. megaptera</i> <i>Raf.</i>	68	<b>costatus</b> <i>Raf.</i>
	<i>Symphynota alata</i> <i>Lea.</i>		<i>U. undulatus</i> <i>Barnes.</i>
67	<b>Alabamensis</b> <i>Conr.</i>	68	<b>castaneus</b> <i>Lea.</i>
	<i>Symphynota inflata</i> <i>Lea.</i>	68	<b>cariosus</b> <i>Say.</i>
68	<b>atilis</b> <i>Conr.</i>		<i>U. crassus</i> <i>Say.</i>
68	<b>bullatus.</b>		<i>luteola</i> <i>Lam.</i>
	<i>U. pustulosus</i> <i>Lea.</i>		<i>cariosa</i> <i>Lam.</i>
	<i>nodulosa</i> <i>Wood.</i>		<i>ellipticus?</i> <i>Barnes.</i>
68	<b>cardium</b> <i>Raf.</i>	68	<b>compressus.</b>
	<i>U. ventricosus</i> <i>Barnes.</i>		<i>Symph. compressa</i> <i>Lea.</i>
	<i>occidens</i> <i>Lea.</i>	68	<b>cordatus</b> <i>Raf.</i>
	<i>subovatus</i> <i>Lea.</i>		<i>U. obovata</i> <i>Raf.</i>

Page.		Page.	
68	<b>Unio declivis</b> Say.	70	<b>Unio lapillus</b> Say.
68	<b>decisus</b> Lea.		<i>U. fabalis</i> Lea.
68	<b>dilatatus</b> Raf.	70	<b>leptodon</b> Raf.
	<i>U. cuprea</i> Raf. (young).		<i>Symphy. tenuissima</i> Lea.
	<i>atroviolacea</i> Raf.		<i>An. purpurascens</i> Swains.
	<i>gibbosus</i> Barnes.	70	<b>lævigatus</b> Raf.
69	<b>delumbis</b> Conr.		<i>U. lens</i> Lea.
69	<b>ebenus</b> Lea.	70	<b>lanceolatus</b> Lea.
69	<b>fragilis</b> Raf.	70	<b>lævissimus.</b>
	<i>U. gracilis</i> Barnes.		<i>Anodonta Ohiensis</i> Raf.
	<i>Symphynota gracilis</i> Lea.		<i>Symphy. lævissima</i> Lea.
	<i>S. fragilis</i> Swainson.	70	<b>latus.</b>
69	<b>flavus</b> Raf.		<i>Anodonta lata</i> Raf.
	<i>U. rubiginosus</i> Lea.		<i>U. dehiscens</i> Say.
69	<b>fasciolaris</b> Raf.		<i>oriens</i> Lea.
	<i>U. sinuatus</i> Raf. (very old)	70	<b>monodonta</b> Say.
	<i>phaseolus</i> Hildreth.		<i>U. soleniformis</i> Lea.
	<i>mucronatus</i> Barnes	70	<b>multiradiatus</b> Lea.
	<i>planulatus</i> Lea.	70	<b>metanever</b> Raf.
	<i>bicolor?</i> Raf.		<i>U. nodosus</i> Barnes.
69	<b>flexuosus</b> Raf.	70	<b>metallicus</b> Say.
69	<b>foliatus</b> Hildreth.		<i>U. cuprinus</i> Lea.
69	<b>fasciatus</b> Raf.	70	<b>Masoni</b> Conr.
	<i>U. carinatus</i> Barnes.	70	<b>maculatus</b> Conr.
69	<b>furvus</b> Conr.	70	<b>nervosa</b> Raf.
69	<b>glans</b> Lea.		<i>U. zig-zag?</i> Lea.
69	<b>glebulus</b> Say.	70	<b>nasutus</b> Say.
69	<b>Greenii</b> Conr.		<i>U. rostratus</i> Val.
69	<b>heterodon</b> Lea.	70	<b>niger</b> Raf.
69	<b>heros</b> Say.		<i>U. cuneatus</i> Barnes.
	<i>U. multiplicatus</i> Lea.	70	<b>nodulatus</b> Raf.
69	<b>interruptus</b> Raf.		<i>U. pustulatus</i> Lea.
	<i>U. brevidens</i> Lea.		<i>verrucosus</i> Val.
69	<b>icterinus</b> Conr.	70	<b>nexus</b> Say.
69	<b>iris</b> Lea.		<i>U. arcaformis</i> Lea.
69	<b>inflatus</b> Barnes.	70	<b>nebulosus</b> Conr.
	<i>U. siliquoideus</i> Barnes.	70	<b>ovatus</b> Say.
	<i>vittatus?</i> Raf.		<i>U. ovata</i> Raf.
70	<b>infucatus</b> Conr.	70	<b>obesus</b> Lea.
70	<b>lienosus</b> Conr.	70	<b>olivarius</b> Raf.
70	<b>lineolatus</b> Raf.		<i>U. ellipsis</i> Lea.
	<i>U. depressa</i> Raf.	70	<b>ochraceus</b> Say.
	<i>ellipsaria</i> Raf.	70	<b>obliquatus</b> Raf.
	<i>securis</i> Lea.		<i>U. sulcatus</i> Lea.

- | Page. |                              | Page. |                                 |
|-------|------------------------------|-------|---------------------------------|
| 70    | <b>Unio oviformis</b> Conr.  | 71    | <b>Unio scalenius</b> Raf.      |
| 70    | <b>penitus</b> Conr.         |       | <i>U. cuneata</i> Raf.          |
| 70    | <b>parvus</b> Barnes.        |       | <i>patulus</i> Lea.             |
| 71    | <b>plicatus</b> Say.         | 72    | <b>subrostratus</b> Say.        |
|       | <i>U. peruvianus</i> Lam.    | 72    | <b>tæniatus</b> Conr.           |
| 71    | <b>Poulsoni</b> Conr.        | 72    | <b>torsus</b> Raf.              |
| 71    | <b>pileus</b> Lea.           | 72    | <b>trapezoides</b> Lea.         |
| 71    | <b>perovalis</b> Conr.       |       | <i>U. interruptus</i> Say.      |
| 71    | <b>purpureus</b> Say.        | 72    | <b>teres</b> Raf.               |
|       | <i>U. purpurascens</i> Lam.  |       | <i>U. anodontoides</i> Lea.     |
|       | <i>coarctata</i> Lam.        | 72    | <b>triqueter</b> Raf.           |
|       | <i>carinifera</i> Lam.       |       | <i>U. triangularis</i> Barnes.  |
|       | <i>complanatus</i> Lea.      |       | <i>formosus</i> Lea.            |
|       | <i>aurata</i> Raf.           |       | <i>cuneatus</i> Swainson.       |
| 71    | <b>pectorosus</b> Conr.      | 72    | <b>truncatus</b> Raf.           |
| 71    | <b>planus</b> Barnes.        |       | <i>U. monaciformis</i> Lea.     |
| 71    | <b>personatus</b> Say.       |       | <i>elegans</i> Lea.             |
|       | <i>U. subrotundus</i> Say.   | 72    | <b>tuberculatus</b> Raf.        |
| 71    | <b>prasinus</b> Conr.        |       | <i>U. verrucosus</i> Barnes.    |
| 71    | <b>quadrulus</b> Raf.        |       | <i>tuberculatus</i> Val.        |
|       | <i>U. rugosus</i> Barnes.    | 72    | <b>triangularis</b> Raf.        |
|       | <i>lachrymosus</i> Lea.      |       | <i>U. lateralis</i> Raf.        |
|       | <i>asprimus</i> Lea.         |       | <i>sintoria</i> Raf.            |
| 71    | <b>rectus</b> Lam.           |       | <i>pachostea</i> Raf.           |
|       | <i>U. latissima</i> Raf.     |       | <i>mytiloides</i> Raf.          |
|       | <i>prælongus</i> Barnes.     |       | <i>rubra</i> Raf.               |
| 71    | <b>rubellus</b> Conr.        |       | <i>pyramidatus</i> Lea.         |
| 71    | <b>Raveneli</b> Conr.        | 72    | <b>torulosus</b> Raf.           |
| 71    | <b>reflexus</b> Raf.         |       | <i>U. gibbosa</i> Raf.          |
|       | <i>U. cornutus</i> Barnes.   |       | <i>perplexus</i> Lea.           |
| 71    | <b>radiatus</b> Lam.         | 72    | <b>tenebrosus</b> Conr.         |
|       | <i>Mya radiata</i> Gmel.     | 72    | <b>trabalis</b> Conr.           |
|       | <i>U. Virginiana</i> Lam.    | 72    | <b>undatus</b> Barnes.          |
| 71    | <b>ridibundus</b> Say.       |       | <i>U. trigonus</i> Lea.         |
| 71    | <b>retusus</b> Raf.          | 72    | <b>verrucosus</b> Raf.          |
| 71    | <b>stapes</b> Lea.           |       | <i>U. tuberculatus</i> Barnes.  |
| 71    | <b>stramineus</b> Conr.      | 72    | <b>vibex</b> Conr.              |
| 71    | <b>subtentus</b> Say.        | 72    | <b>velum</b> Say.               |
| 71    | <b>stegarius</b> Raf.        | 72    | <b>viridis</b> Raf.             |
|       | <i>U. irroratus</i> Lea.     |       |                                 |
| 71    | <b>subrotundus</b> Raf.      | 72    | <b>Alasmodonta costata</b> Raf. |
|       | <i>U. pusilla</i> Raf.       |       | <i>Alas. rugosa</i> Barnes.     |
|       | <i>striata</i> Raf.          | 72    | <b>complanata</b> Barnes.       |
|       | <i>circulus</i> Lea.         |       | <i>Symphy. complanata</i> Lea.  |
|       | <i>orbiculatus</i> Hildreth. | 72    | <b>confragosa</b> Say.          |



Page.		Page.	
72	<b>Alasmodonta edentula</b> Say.	73	<b>Anodonta cataracta</b> Say.
72	<b>marginata</b> Say.		<i>An. marginata</i> Say.
	<i>Alas. scriptum</i> Raf.	73	<b>declivis</b> Conr.
72	<b>margaritifera</b> .	73	<b>grandis</b> Say.
	<i>Unio margaritifera</i> Lam.	73	<b>implicata</b> Say.
	<i>Alas. arcuata</i> Barnes.	73	<b>imbecilis</b> Say.
73	<b>radiata</b> Conr.	73	<b>inflata</b> Say.
73	<b>sculptilis</b> Say.	73	<b>lugubris</b> Say.
73	<b>truncata</b> Say.	73	<b>subveza</b> Conr.
	<i>Unio calceolus</i> Lea.	73	<b>suborbiculata</b> Say.
73	<b>undulata</b> Say.	73	<b>undulata</b> Say.
			<i>An. rugosa</i> Swainson.
73	<b>Unio declivis</b> Say, quoted from Florida, is said to be another species.		

## (Appendix to same.)

Page.	Pl.	Fig.	Name.	Locality
4	ix	1	<b>Unio viridis</b> Raf. [subviridis Conr.]	Penn., Kentucky river.
5	ix	2	<b>complanatus</b> var. <b>subinflatus</b> .	South Carolina.
5	ix	3	<b>Melania formosa</b> Conrad.	North Alabama.
6	ix	4	<b>Melania bella</b> Conrad.	North Alabama.
6	ix	5	<b>dilatata</b> Conrad.	Monroe Co., Va.
7	ix	6	<b>semicostata</b> Conrad.	North Alabama.
7	ix	7	<b>Rogersii</b> Conrad.	
8	ix	8	<b>Planorbis engonatus</b> Conrad.	Albany.

## Additions to Synopsis.

Page.		Page.	
1	<b>Anodonta cataracta</b> Say.	1	<b>Anodonta marginata</b> Say.
	<i>Mytilus fluviatilis</i> Gmel.		<i>Anod. pennsylvanica</i> Lam.
	<i>Anod. fluviatilis</i> Bosc.	1	<b>radiata</b> Conr.
	<i>Mytilus illitus</i> Soland.		<i>Alas. radiata</i> Conr.
1	<b>edentula</b> Ferrussac.	2	<b>Alasmodonta calceolus</b> .
	<i>Alas. edentula</i> Say.		<i>Unio calceolus</i> Lea.
	<i>Anod. Ferrussaciana</i> Lea.		<i>Alas. marginata</i> Say.
1	<b>grandis</b> Say.	2	<b>marginata</b> Say.
	<i>Anod. declivis</i> Conr.		
	<i>plana</i> Lea.	2	<b>Unio acutissimus</b> Lea.
1	<b>imbecilis</b> Say.		<i>U. Conradicus</i> Lea.
	<i>Symphynota incerta</i> Lea.	2	<b>apiculatus</b> Say.
	<i>Anod. incerta</i> Fer.		<i>U. asper</i> Lea.
1	<b>lata</b> Raf., Fer.	2	<b>Carolinianus</b> Bosc., Fer.
	<i>Unio dehiscens</i> Say.		<i>U. obesus</i> Lea.
	<i>oriens</i> Lea.	2	<b>capax</b> Green.
	<i>latus</i> Conr.		<i>Symphynota globosa</i> Lea.
	<i>Odatelia radiata</i> Raf.		

Page.		Page.
2	<b>Unio clava</b> Lam., Fer. <i>U. scalenius</i> Raf. <i>modioliformis</i> Say.	2 <b>Unio pachostea</b> Raf., Fer. <i>U. Cooperianus</i> Lea.
2	<b>complanatus</b> Sol., Lea, <i>U. purpureus</i> Say. [Fer.]	3 <b>pectorosus</b> Conr. <i>U. perdix</i> Lea.
2	<b>cordatus</b> Raf. <i>U. undatus</i> Barnes. <i>trigonus</i> Lea.	3 <b>personatus</b> Say. <i>U. capillaris</i> Lea.
2	<b>decisus</b> Lea. var. <i>Taitianus</i> Lea.	3 <b>purpuratus</b> Lam. <i>U. ventricosus</i> Soland. <i>ater</i> Lea. <i>lugubris</i> Say.
2	<b>declivis</b> Say. <i>U. geometricus</i> Lea.	3 <b>trabalis</b> Conr. <i>U. Troostensis</i> Lea.
2	<b>delumbis</b> Conr. <i>U. modioliformis</i> Lea.	3 <b>ruber</b> Raf. <i>U. pyramidatus</i> Lea.
2	<b>donaciformis</b> Lea.	3 <b>Raveneli</b> Conr. <i>U. confertus</i> Lea. <i>fulvus?</i> Lea (young).
2	<b>ligamentina</b> Lam., Fer. <i>U. ellipsaria</i> Raf.	3 <b>retusus</b> Lam., Lea. <i>U. torsus</i> Raf.
2	<b>lienosus</b> Conr. <i>U. Nashvillianus</i> Lea.	3 <b>suborbiculatus</b> Lam., Lea. <i>U. rotundatus</i> Lam. <i>glebulus</i> Say. <i>subglobosus</i> Lea.
2	<b>metanever</b> Raf. <i>U. retusus</i> Raf. (very old).	3 <b>subrostratus</b> Say. <i>U. iris</i> Lea.
2	<b>nodulatus</b> Raf. <i>U. pustulatus</i> Lea. <i>prasinus</i> Conr. <i>Schoolcraftensis</i> Lea.	3 <b>tetralasmus</b> Say.
2	<b>obliquus</b> Lam. <i>U. obovalis</i> Raf. <i>ebenus</i> Lea.	3 <b>truncatus</b> Raf. <i>U. elegans</i> Lea.

**Conrad.**—Monography of the Family Unionidæ, or Naiades of Lamarek, of North America: by T. A. CONRAD, Memb. Phila. Acad. Nat. Sci., Hon. Memb. Geol. Soc. Pa. Philadelphia.

No. I.—December, 1835.

Page.	Pl.	Fig.	Name.	Locality.
3	i		<b>Unio fasciatus</b> Raf. <i>U. carinatus</i> Barnes.	Scioto river.
4	ii		<b>ovatus</b> Say, var. <b>ornatus</b> .	South Alabama.
5	iii	1	<b>clava</b> Lam. <i>U. scalenius</i> Raf. <i>modioliformis</i> Say.	Western rivers.
6	iii	2	<b>decisus</b> Lea. <i>U. Taitianus</i> Lea.	Alabama.

Page. Pl.	Fig.	Name.	Locality.
7 iv	1	<b>Unio reflexus</b> Raf. <i>U. cornutus</i> Barnes.	Alabama, Indiana.
8 iv	2	<b>flexuosus</b> Raf. <i>U. foliatus</i> Hildr.	Western rivers.
9 v	1	<b>Phillipsii</b> Conr.	Wabash river.
10 v	2	<b>metanevrus</b> Raf. <i>U. nodosus</i> Barnes.	West. & South. rivs.
11 vi	1	<b>Mortoni</b> Conr.	Bayou Teche, La.
12 vi	2	<b>fragosus</b> Conr.	Scioto river.

## No. II.—January, 1836.

17 vii		<b>Unio costatus</b> Raf. <i>U. undulatus</i> Barnes.	Ala., & Tenn. rivers.
19 viii		<b>retusus</b> Lam. <i>U. torsa</i> Raf.	Western rivers.
20 ix	1	<b>parvus</b> Barnes.	West, N. W. Ter., La.
21 ix	2	<b>glans</b> Lea.	Ohio, Tenn., Ala.
22 x	1	<b>siliquoideus</b> Barnes. <i>U. inflatus</i> Barnes.	Western rivers.
24 x	2	<b>radiatus</b> Lam. <i>U. Virginiana</i> Lam. <i>oblongata</i> Wood. <i>Mya radiata</i> Spengl. Gmel.	Va., Wisc., N. Y.

## No. III.—February, 1836.

25 xi	1	<b>Unio pectorosus</b> Conr. <i>U. perdix</i> Lea.	Tennessee, Alabama.
26 xi	2	<b>fasciolus</b> Raf. <i>U. multiradiatus</i> Lea.	
27 xii	1	<b>congaræus</b> Lea.	S. Carolina, Georgia.
28 xii	2	<b>Masoni</b> Conr.	Savannah, Georgia.
29 xiii	1	<b>coccineus</b> Hildreth.	Mahoning riv. Pa.
30 xiii	2	<b>catillus</b> Conr.	Western rivers.
31 xiv	1	<b>productus</b> Conr.	Savannah river.
32 xiv	2	<b>lanceolatus</b> Lea.	N. Carolina, Virginia.

## No. IV.—March, 1836.

33 xv		<b>Unio rectus</b> Lam. <i>U. latissima</i> Raf. <i>prælongus</i> Barn.	Western rivs., Ala.
-------	--	---	---------------------

Page.	Pl.	Fig.	Name.	Locality.
34	xvi		<b>Unio crassus</b> Say.	Ohio, Indiana, Ill.
			<i>U. crassidens</i> var. c. Lam.	
			<i>ligamentina</i> Lam.	
			<i>ellipticus</i> Barnes.	
			<i>suborbiculatus</i> Hild.	
			<i>abruptus</i> Say.	
			<i>cyclops</i> Raf.	
35	xvii	1	<b>viridis</b> Raf.	Schuylkill riv., Pa., Ky.
37	xvii	2	<b>ochraceus</b> Say.	Pennsylvania, Va.
			<i>Symphonata ochracea</i> Lea.	
			var. a. <i>Mytilus fluviatilis</i> Gmel.	
33	xviii	1 <sup>1</sup>	<b>nasutus</b> Say.	Fla. to Eastern Sts.
			<i>U. rostrata</i> Val.	
39	xviii	2	<b>icterinus</b> Conr.	Savannah river.
40	xix		<b>cariosus</b> Say.	Virginia, Middle Sts.
			<i>U. luteola</i> Lam.	
			<i>ovatus</i> Val.	
No. V.—June, 1836.				
41	xx		<b>Unio mytiloides</b> Raf.	West. waters, Ala.
			<i>U. rubra</i> Raf.	
			<i>pyramidatus</i> Lea.	
			<i>cardiacea</i> Guérin.	
42	xxi		<b>dilatatus</b> Raf.	Ohio, Miss., Mo., and Tenn. rivers, Va., N. C.
			<i>U. nasutus</i> Lam.	
			<i>gibbosus</i> Barnes.	
43	xxii		<b>tuberculatus</b> Raf.	Wisc., L. Erie, Tenn. river.
			<i>U. verrucosus</i> Barnes.	
			<i>tuberculosa</i> Val.	
45	xxiii	1	<b>declivis</b> Say = <b>U. Sayanus</b>	
			Ward of errata. (Wrapper of No. xi. p. 4.)	Ala., La., Ohio.
			<i>U. geometricus</i> Lea.	
46	xxiii	2	<b>Blandingianus</b> Lea.	East Florida.
47	xxiv		<b>personatus</b> Say.	Wabash and Cumber- land rivers.
			<i>U. capillaris</i> Lea.	
48	xxv		<b>cordatus</b> Raf.	Ohio & Tenn. rivers.
			<b>Anodonta virgata</b> Conr. (p. 4 of wrapper.)	Clarke Co., Ohio.
No. VI.—July, 1836				
49	xxvi		<b>Unio niger</b> Raf.	Alabama, Michigan.
			<i>U. crassidens</i> var. b. Lam.	
			<i>cuneatus</i> Barnes.	

<sup>1</sup> Plate xviii, Fig. 1, represents *U. fisherianus* Lea, v. wrapper of No. XI, p. 4.

Page.	Pl.	Fig.	Name.	Locality.
50	xxvii	1	<b>Unio gibbosus</b> Raf. <i>U. torulosus</i> Raf. <i>perplexus</i> Lea.	Wabash, Scioto, and Tenn. rivers.
51	xxvii	2	<b>gibbosus</b> var. <b>perobliquus</b> .	Wab'sh, Ind., Detroit.
52	xxviii		<b>teres</b> Raf. <i>U. anodontoides</i> Lea.	West. rivs., La., Ala.
53	xxix	1	<b>Sageri</b> Conr.	Detroit river.
54	xxix	2	<b>lapillus</b> Say. <i>U. fabalis</i> Lea.	Michigan, Ohio river.
55	xxx		<b>fragilis</b> Raf. <i>U. gracilis</i> Barnes. <i>Symphynota gracilis</i> Lea.	Fox and Detroit, Ala.
56	xxxi		<b>alatus</b> Say. <i>Metaptera megaptera</i> Raf. <i>Symp. alata</i> Lea.	Wisc., Mich., Ala., N. W. Terr., Fox riv.

## No. VII.—December, 1836.

57	xxxii		<b>Unio inflatus</b> Lea. <i>Symphynota inflata</i> Lea. <i>U. Alabamensis</i> Conr.	Alabama.
58	xxxiii		<b>leptodon</b> Raf. <i>U. planus</i> Barnes. <i>Anolonta purpurescens</i> Sw. <i>Symphynota tenuissima</i> Lea.	Wisc., Ala., Scioto rivers.
60	xxxiv	1	<b>ellipsiformis</b> Conr.	Michigan.
60	xxxiv	2	<b>lienosus</b> Conr. <i>U. Nashvillianus</i> Lea.	Greene Co., Alabama.
62	xxxv	1	<b>stapes</b> Lea.	Alabama.
63	xxxv	2	<b>intermedius</b> Conr.	Nolachucky riv., Ten.
64	xxxvi	1	<b>occidentalis</b> Conr.	Currant river, Ark.

## No. VIII.—February, 1837.

65	xxxvi	2	<b>Unio collinus</b> Conr.	North river, Va.
66	xxxvii	1	<b>Sowerbianus</b> Lea. ( <i>U. pileus</i> Conr., note on p. 69, N. F. W. S.)	Cumberland river, Tenn., Elk riv., Ala.
67	xxxvii	2	<b>politus</b> Say. <i>U. subrotundus</i> Lea.	
68	xxxviii	1	<b>nexus</b> Say. <i>U. arciformis</i> Lea.	Cumberland river, Tenn.
69	xxxviii	2	<b>Greenii</b> Conr.	Bl. Warrior riv., Ala.
70	xxxix		<b>Shepardianus</b> Lea.	Altamaha river, Ga.
71	xl	1	<b>compressus</b> Desh. <i>Symphynota depressa</i> Lea.	Ohio, New York.

Page	Pl.	Fig.	Name.	Locality.
72	xl	2	<b>Unio capsæformis</b> <i>Lea.</i> (On p. 4 of wrapper.)	Tennessee, Alabama.
			<b>Anodonta carinifera</b> <i>Conr.</i>	Below Louisville.
			<b>Unio gibbosus</b> var. <b>perobliquus</b> = <b>U. perobliquus</b> <i>Conr.</i>	

## No. IX.—March, 1837.

73	xli	1	<b>Unio subplanus</b> <i>Conr.</i>	Lexington, Va.
74	xli	2	<b>flavus</b> <i>Raf.</i> <i>U. rubiginosus</i> <i>Lea.</i>	Alabama, Kentucky.
75	xlii		<b>capax</b> <i>Green.</i> <i>Symph. globosa</i> <i>Lea.</i>	Falls of St. Anthony, Bayou Teche, Ohio river.
76	xliii	1	<b>rudis</b> <i>Conr.</i> <i>U. Ravenelianus</i> <i>Lea.</i>	North Carolina, Ala.
77	xliiii	2	<b>obliquus</b> <i>Lam.</i> <i>U. ebenus</i> <i>Lea.</i>	Ohio, Alabama.
78	xliv	1	<b>apiculatus</b> <i>Say.</i> <i>U. asper</i> <i>Lea.</i>	Alabama riv., Bayou Teche.
79	xliv	2	<b>prasinus</b> <i>Conr.</i> <i>U. Schoolcraftensis</i> <i>Lea.</i>	Scioto river, Indiana.
80	xlv	1	<b>nodulatus</b> <i>Raf.</i> <i>U. pustulatus</i> <i>Lea.</i>	Ohio river, &c.
			<b>Anodonta carinifera</b> <i>Conr.</i> (p. 4 of wrapper.)	Below Louisville.

## No. X.—May, 1838.

82	xlvi	2	<b>Unio bullatus</b> <i>Raf.</i> <i>U. verrucosus albus</i> <i>Hildr.</i> <i>pustulosus</i> <i>Lea.</i>	Alabama.
83	xlvi	1	<b>stegarius</b> <i>Raf.</i> <i>U. irroratus</i> <i>Lea.</i>	Ohio, Indiana, Tenn.
84	xlvi	2	<b>dromas</b> <i>Lea.</i>	Tennessee, Alabama.
85	xlvii	1	<b>subtentus</b> <i>Say.</i>	Tenn., Alabama, Va.
86	xlvii	2	<b>acutissimus</b> <i>Lea.</i>	Alabama.
87	xlvii	3	<b>Conradius</b> <i>Lea.</i>	Alabama, Tennessee.
88	xlviii		<b>interruptus</b> <i>Raf.</i> <i>U. brevidens</i> <i>Lea.</i>	Alabama, Tennessee.
89	xlix	1, 2	<b>plexus</b> <i>Conr.</i>	Vera Cruz?
90	xlix	3	<b>heterodon</b> <i>Lea.</i>	Schuylkill river, &c.
91	xlix	4	<b>lienosus</b> <i>Conr.</i> var. <b>constrictus</b> = <b>U. constrictus</b> <i>Conr.</i> of err., p. 4 of wrapper, No. 11.	North river, Va.
91	1	1	<b>stramineus</b> <i>Conr.</i>	Greene Co., Ala.

Page.	Pl.	Fig.	Name.	Locality.
92	1	2	<b>Unio patulus</b> Lea.	Tenn., Kentucky.
93	ii	1	<b>Hembeli</b> Conr.	New Orleans.

(End of Vol. I.)

## No. XI.—November, 1838.

95	lii		<b>Unio cerinus</b> Conr.	Louisiana.
96	liii		<b>latiradiatus</b> Conr.	Tennessee.
			<i>U. interruptus</i> Lea.	
97	liv	1	<b>subinflatus</b> Conr.	Savannah river.
			<i>U. complanatus</i> var. <i>subinflatus</i> Conr.	
98	liv	2	<b>angustatus</b> Lea.	South Carolina.
99	liv	1	<b>excultus</b> Conr.	New Orleans.
100	liv	2	<b>pullus</b> Conr.	N. Carolina, S. Car.
101	lv	1	<b>melinus</b> Conr.	Salina Lake, N. Y.
102	lv	2	<b>Sayanus</b> Conr.	Greene Co., Ala.
			<i>U. Sayii</i> Ward.	
			<i>declivis</i> Conr.	

On page 4 of wrapper, descriptions of **Unio cuneus**, **metastriatius**, **lenis**, North Illinois, **planilateris**, **iridescens**, **saxeus**. Plate xviii, Fig. 1, is said to be **U. Fisherianus** Lea, and note on **Pleiodon McMurtrii**.

## No. XII.—(No date.)

103	lvii	1	<b>Unio planilateris</b> Conr.	Virginia, N. Carolina.
104	lvii	2	<b>metastriatius</b> Conr.	Bl. Warrior riv., Ala.
105	lviii	1	<b>cuneus</b> Conr.	Little Red river, Ark.
106	lviii	2	<b>lenis</b> Conr.	White river, Ill.
107	lix		<b>heros</b> Say.	
			<i>U. undulatus</i> Say, not Barnes. <i>multiplicatus</i> Lea.	
109	lx	1	<b>saxeus</b> Conr.	Claiborne, Ala.
109	lx	3	<b>collinus</b> Conr.	Columbia, S. C.
110	lx	2	<b>trabalis</b> Conr.	

## No. XIII.—(No date.)

111	lxi		<b>Unio tetralasmus</b> Say.	Bayou St. John.
112	lxii		<b>quadrulus</b> Raf.	Ohio river, La., &c.
			<i>U. rugosus</i> Barnes.	
			<i>lachrymosus</i> Lea.	
			<i>asperrimus</i> Lea.	
113	lxiii		<b>cyphus</b> Raf.	Ohio, &c.
			<i>U. Esopus</i> Green.	

Page.	Pl.	Fig.	Name.	Locality.
115	lxiv		<b>Unio cicatricosus</b> Say. <i>U. varicosus</i> Lea.	Ohio &c.
115			<b>cardisce</b> Say = <b>cordata</b> .	
115			<b>incurvus</b> Say = <b>intorta</b> .	
116	lxv		<b>plicatus</b> Say. <i>U. rariplicatus</i> Lam.	Ohio, Wise.
117	lxvi		<b>cardium</b> Raf. <i>U. ventricosus</i> Barnes. <i>ovatus</i> var. b. Lam. <i>occidens</i> Lea.	

(The work was here discontinued.—W. G. B.)

**Conrad.**—American Marine Conchology; or descriptions and colored figures of the Shells of the Atlantic Coast of North America: by TIMOTHY A. CONRAD, Member of the Academy of Natural Sciences of Philadelphia. Printed for the author: Philadelphia, 1831. Svo. 17 colored plates.

Page.	Pl.	Fig.	Name.	Locality.
6	i	1	<b>Pecten Magellanicus</b> Lam. <i>Ostrea magellanica</i> Gmelin.	Maine, Mass.
8	i	2, 3	<b>concentricus</b> Say. <i>P. opercularis</i> D'Avila?	New Jersey, Long Isl. Sound.
10	ii	1	<b>purpuratus</b> Lam. <i>P. dislocatus</i> Say.	Florida, Panama, Chili.
12	ii	2	<b>Pealeii</b> Conr.	Maine.
12	ii	3	<b>ornatus</b> Lam. <i>Ostrea pellucens</i> Gmel.	E. Florida, W. Indies.
14	ii	4	<b>nodosus</b> Gmelin.	E. Florida, Africa, S. Amer., W. Indies.
16	iii	1	<b>Lima glacialis</b> Gmelin. <i>Ostrea scabra</i> Dillwyn. <i>glacialis</i> Gmel.	East Florida, Gulf of Mexico, W. Indies.
17	iii	2	<b>squamosa</b> Lamark. <i>Ostrea lima</i> Linnaeus.	East Florida, Gulf of Mexico, Ceylon, Europe, &c.
19	iv	1	<b>Solecurtus fragilis</b> Pulteney. <i>Solen antiquatus</i> Montagu. <i>fragilis</i> Pult. <i>centralis</i> Say. <i>Psammobia tæniata</i> Turton.	Rhode Isl., Southern coast, England.
21	iv	2	<b>costatus</b> Say. <i>Solen costatus</i> Say.	Maine, R. I., N. J.



Page.	Pl.	Fig.	Name.	Locality.
22	iv	3	<b>Solecortus Caribæus</b> <i>Blainville.</i> <i>Solen caribæus</i> Lam. <i>Chama angustior</i> Lister.	N. J., Florida.
27	v	1	<b>Solen ensis</b> <i>Linnæus.</i> <i>S. curvus</i> Lister.	Whole coast.
28	v	2	<b>viridis</b> <i>Say.</i>	N. J., R. I., S'rn coast.
30	vi	1	<b>Nucula limatula</b> <i>Say.</i> <i>N. lævis</i> <i>Say?</i>	R. Island, Virginia.
31	vi	2	<b>proxima</b> <i>Say.</i> <i>N. obliqua</i> <i>Say?</i>	R. I., Southern coast.
32	vi	3	<b>acuta</b> <i>Say.</i>	Fossil in Virginia.
34	vii	1	<b>Sanguinolaria fusca</b> <i>Say.</i> <i>Psammobia fusca</i> <i>Say.</i>	Ga., R. I., N. J., N. Y. Va.
35	vii	2	<b>lusoria</b> <i>Say.</i> <i>Psammobia lusoria</i> <i>Say.</i>	N. J., Southern coast.
37	vii	3	<b>Petricola pholadiformis</b> <i>Lamark.</i> <i>P. fornicata</i> <i>Say.</i>	Whole coast to Maine.
39	viii	1	<b>Cardita borealis</b> <i>Conrad.</i> <i>Venericardia borealis?</i>	Massachusetts.
39	viii	2	<b>incrassata</b> <i>Sowerby.</i>	Florida, E. Indies.
42	ix	1	<b>Mya arenaria</b> <i>Linnæus.</i> <i>M. acuta</i> <i>Say.</i> <i>mercenaria</i> <i>Say.</i>	Whole coast, England, &c.
44	ix	2	<b>Thracia declivis</b> <i>Pennant.</i> <i>Mya declivis</i> <i>Pennant.</i> <i>Ligula pubescens</i> <i>Montagu.</i> <i>Mya convexa</i> <i>Wood.</i> <i>Anatina myalis</i> <i>Lamark.</i> <i>Thracia corpuloides</i> <i>Blainv.?</i>	Eastern States, Great Britain.
46	x	1	<b>Lutraria canaliculata</b> <i>Say.</i> <i>L. Campechensis</i> <i>Wood.</i>	Virginia to Florida, Gulf of Mexico.
47	x	2	<b>lineata</b> <i>Say.</i> <i>L. recurva</i> <i>Wood.</i>	N. Carolina to Florida.
49	xi	1	<b>Pandora trilineata</b> <i>Say.</i>	N. J., Southern coast.
51	xi	2	<b>Lyonsia hyalina</b> <i>Conrad.</i> <i>Mya hyalina</i> <i>Conrad.</i> <i>L. Norwegica</i> <i>Auct.?</i>	Long Island Sound, Rhode Island.
53	xi	3	<b>Lepton fabagella</b> <i>Conrad.</i>	Rhode Island.
55	xii		<b>Artemis concentrica</b> <i>Gmelin.</i> <i>Cytherea concentrica</i> <i>Lamark.</i> <i>Venus concentrica</i> <i>Gmelin.</i>	Virginia to Florida & Gulf of Mexico.
56			<b>Rangia (Clathradon</b> <i>Gray MSS.)</i>	
57	xiii		<b>cyrenoides</b> <i>Conrad.</i>	Alabama.
59	xiv	1	<b>Mactra deaurata</b> <i>Turton.</i> <i>M. arcata</i> <i>Conrad.</i>	New England.

Page.	Pl.	Fig.	Name.	Locality.
60	xiv	2	<b>Mactra tellinoides</b> Conrad.	Whole coast.
61	xiv	3	<b>fragilis</b> Chemnitz. <i>M. oblonga</i> Say.	S. Carolina, Georgia.
62	xiv	4, 5	<b>lateralis</b> Say.	Gulf of Mex. at Mobile.
63	xiv	6	<b>nucleus</b> Conrad.	New Jersey.
64	xiv	7	<b>solidissima</b> Chemnitz.	New Jersey.
	xv		<i>M. solida</i> var. b, Gmelin. <i>procera</i> Solander. <i>grandis</i> Solander. <i>gigantea</i> Lamark. <i>similis</i> Say.	
The smaller form, south of Virginia, if distinct, may be called <i>M. Raveneli</i> .				
66	xvi		<b>Solemya velum</b> Say. <i>S. borealis</i> Totten.	R. I., Mass., S. C.
68	xvii	1	<b>Iphigenia lævigata</b> Schumacher. <i>Donax lævigata</i> Gmelin. <i>Capsa lævigata</i> Lam.	Florida.
70	xvii	2	<b>Capsa deflorata</b> Linnæus. <i>Venus deflorata</i> Linn. <i>Capsa rugosa</i> Bruguiere. <i>Sanguinolaria rugosa</i> Lamark. <i>Capsula rugosa</i> Schumacher. <i>Psammobia deflorata</i> Turton. <i>Chama diffusior</i> Lister.	Florida.
72	xvii	3	<b>Astarte castanea</b> Say. <i>Venus castanea</i> Say, olim.	N. Jersey, R. Island.

**Totten.**—Description of some Shells belonging to the Coast of New England: by JOS. G. TOTTEN. No. 2. (From American Journal of Science, O. S., vol. xxviii, No. 2. Date of title-page, July, 1835.)

Page.	Fig.	Name.	Locality.
347	1	<b>Anatina papyratia</b> Say? <i>A. fragilis</i> Totten.	Newport, R. I.
348	2	<b>Astarte castanea</b> Say? <i>A. procera</i> Totten.	Provincetown, Mass.
349	3	<b>Danmoniensis</b> Sowb. <i>Venus Danmoniensis</i> Mont. <i>crassatella</i> Bl. <i>Crassina Danmoniensis</i> Lam.	Newport, R. I.
350	4	<b>Bulla insculpta</b> Totten.	Newport, R. I.
350	5	<b>oryza</b> Totten.	Newport, R. I.
351	6	<b>Natica immaculata</b> Totten.	Newport, R. I.
352	7	<b>Turritella interrupta</b> Totten.	Newport, R. I.
352	8	<b>Cerithium reticulatum</b> Totten. <i>Pasithea nigra</i> Totten.	Narraganset Roads, R. I., Boston.

**Greene, & c.**—A Catalogue of the Testacea or Shells of Massachusetts was published in HITCHCOCK'S "Report on the Geology, Botany, and Zoology," made to the government of that State. In the second edition (1835) are catalogues by THOMAS A. GREENE, JOHN MILTON EARLE, and the Boston Society of Natural History. No descriptions are given.

This is the second edition. In the first edition (1833), p. 554 of bound Reports, is a list of the shells of New England, by Col. JOS. G. TOTTEN (vid. p. 45), for which the Society catalogue is substituted in the second edition.

**Greene.**—List of the Marine Shells of Massachusetts, arranged according to the System of Lamarck. By THOMAS A. GREENE, Esq., of New Bedford.

## CLASS XI. CONCHIFERA.

Order I. **Bimusculosa.**

Page.	Name.	Locality.
19	<b>Teredo navalis.</b>	On the bottoms of ships.
19	<b>Pholas crispata.</b>	
19	<b>Solen ensis.</b>	
19	<b>viridis.</b>	Not common in the N. E. States.
19	<b>Solecurtus Caribæus</b> (rare).	Found at New Bedford.
19	<b>costatus</b> Say.	Common at Nahant Beach.
19	<b>fragilis.</b>	Found at New Bedford.
	<i>S. centralis</i> Say.	
19	<b>Mya mercenaria</b> Say.	
19	<b>Anatina convexa</b> Turton.	
	<i>Thracia</i> Blainville.	
19	<b>Leana</b> Conrad.	At Nantucket.
	<i>A. pratensis?</i> Turton.	
19	<b>Mactra solida.</b>	
19	<b>gigantea</b> Lam.	
	<i>M. solidissima</i> Dillwyn.	
19	<b>subtruncata.</b>	
19	<b>lateralis</b> Say.	
19	<b>subtriangulata.</b>	
	<i>M. arcata</i> Conrad.	
	Figured in the supplement to Wood's "Index Testaceologicus."	
20	<b>tellinoides</b> Conrad.	
20	<b>Solemya velum</b> Say.	Not uncommon at New Bedford.
20	<b>Amphidesma corbuloides.</b>	
	<i>Mya Norwegica</i> Wood & Dill.	
	<i>hyalina</i> Conrad.	

Page.	Name.	Locality.
20	<b>Corbula ferruginosa.</b> <i>Mya ferruginosa</i> Wood.	
20	<b>Pandora trilineata</b> Say.	Found in Nantucket harbor.
20	<b>Petricola pholadiformis</b> Lam. <i>P. fornicata</i> Say.	Very common.
20	<b>Sanguinolaria fusca</b> Conrad.	At Nantucket.
20	<b>Tellina polita</b> Say.	Found at New Bedford.
20	<b>Lucina divaricata.</b> <i>Astarte castanea</i> Say.	A single valve found at Chatham. Ocean shore at Nantucket.
20	<b>Astarte.</b> A distinct species, with margins entire.	
20	<b>Cyprina Islandica.</b> <i>Venus Islandica</i> L.	Common in Essex County.
20	<b>Venus mercenaria.</b>	
20	<i>præparca</i> Say.	
20	<i>notata</i> Say.	
20	<b>Cardium Mortoni</b> Conrad.	Very common at New Bedford.
20	<i>pinnulatum</i> Conrad.	
20	<b>Cardita.</b> This species appears to be undescribed.	
20	<b>Arca ponderosa</b> Say.	} Found at Smith's point, on the } ocean shore of Nantucket.
20	<i>pezata</i> Say.	
20	<i>transversa</i> Say.	
20	<b>Nucula margaritacea.</b> <i>N. proxima</i> Say.	
	<i>Arca nucleus</i> L.	
20	<b>rostrata</b> Montague. <i>N. limatula</i> Say.	

Order II. **Unimusclosa.**

20	<b>Modiola papuana.</b> <i>Mytilus modiolus</i> L.	
20	<b>Mytilus edulis.</b>	
20	<i>ungulatus.</i>	
20	<i>pellucidus.</i>	
20	<i>incurvatus.</i>	
20	<i>demissus.</i>	Very abundant at New Bedford.
21	<b>Pecten Magellanicus.</b>	Rare in Mass., common at Eastport, Me.
21	<b>Islandicus</b> (rare). <i>P. Pealeii</i> Conrad.	
21	<i>concentricus</i> Say.	
21	<b>Ostrea Virginica.</b>	
21	<b>Anomia ephippium.</b>	Abundant in New Bedford.
21	<i>undulata.</i> Is it a distinct species from the preceding?	

CLASS XII. **MOLLUSCA.**Order II. **Gasteropoda.**

Page.	Name.	Locality.
21	<b>Chiton.</b> Not described to my knowledge.	Found at Nantucket.
21	<b>Patella alveus</b> <i>Conrad.</i>	
21	<i>amœna</i> <i>Say.</i>	
21	<b>Crepidula fornicata</b> <i>Say.</i>	Very common on our coast.
21	<i>glauca</i> <i>Say.</i>	
21	<i>plana</i> <i>Say.</i>	Found in Nantucket harbor.

Order III. **Trachelipoda.**

21	<b>Velutina rupicola</b> <i>Conrad.</i>	
21	<b>Bulla solitaria</b> <i>Say.</i>	Found at Holme's Hole.
	Is it a variety of <i>B. hydatis</i> ?	
21	<b>Natica duplicata</b> <i>Say.</i>	
21	<i>heros</i> <i>Say.</i>	
21	<i>triseriata</i> <i>Say.</i>	
	<i>Nerita intricata</i> of Wood's Supplement.	
21	<b>Melampus videntatus</b> <i>Say.</i>	Common in salt marshes, N. Bed.
21	<b>Lacuna pertusa</b> <i>Conrad.</i>	
21	<b>Turbo obligatus</b> <i>Say.</i>	
21	<i>irroratus</i> <i>Say.</i>	
21	<i>palliatus</i> <i>Say.</i>	
21	<b>Turritella bisuturalis</b> <i>Say.</i>	
21	<i>alternata</i> <i>Say.</i>	
21	<b>Fusus Islandicus.</b>	
	<i>Murex corneus</i> Wood & Dill.	
	<i>F. corneus</i> <i>Say.</i>	
21	<i>cinereus</i> <i>Say.</i>	
22	<i>decemcostatus</i> <i>Say.</i>	
	<i>Murex carinatus</i> Pennant.	
22	<b>Ranella caudata.</b>	At Nantucket.
22	<b>Pyrula canaliculata.</b>	
	<i>Murex canaliculata.</i>	
22	<i>carica.</i>	
22	<b>Nassa obsoleta</b> <i>Say.</i>	
	<i>Buccinum noveboracense</i> Wood's Supplement.	
22	<i>trivittata</i> <i>Say.</i>	
22	<i>lunata</i> <i>Say.</i>	
22	<b>Purpura lapillus.</b>	
	<i>Buccinum lapillus</i> L.	
22	<i>imbricata</i> Lam.	
22	<b>Buccinum undatum</b> L.	
22	<b>Columbella terpsichore.</b>	
	<i>Buccinum terpsichore,</i> Wood's Supplement.	

Order IV. **Cephalopoda.**

Page.	Name.	Locality.
22	<b>Spirula Peronii.</b> <i>Nautilus spirula</i> L.	Found on the ocean shore of Nantucket.

**Earle.**—List of Land and Fresh-water Shells in Massachusetts so far as they have been ascertained: by Mr. JOHN MILTON EARLE, of Worcester. (Vide p. 39.)

## I. BIVALVES.

Page.	Name.	Locality.
22	<b>Unio complanatus</b> Lam. <i>U. purpureus</i> Say.	
22	<b>nasutus</b> Say.	Ponds in Essex & Plymouth Cos.
22	<b>ochraceus</b> Say.	Ponds in Plymouth County.
22	<b>radiatus</b> Say.	Ponds in Plymouth & Essex Cos.
22	<b>Alasmodonta margaritifera</b> L. <i>A. arcuata</i> Barnes.	
22	<b>marginata</b> Say.	Blackstone river.
22	<b>undulata</b> Say.	Do. and streams in Plym. Co.
22	<b>Anodonta cataracta</b> Say.	
22	<b>marginata</b> Say.	Blackstone and French rivers.
22	<b>lugubris</b> Say.	Ponds in Essex County.
22	<b>Cyclas similis</b> Say.	
23	<b>dubia</b> Say.	
	And two species not described.	

## II. UNIVALVES.

Page.		Page.	
23	<b>Paludina decisa</b> Say.	23	<b>Planorbis parvus</b> Say.
23	<b>limosa?</b> Say.	23	<b>Lymnæa catascopium</b> Say.
23	<b>Planorbis trivolvis</b> Say.	23	<b>heterostropha</b> Say.
23	<b>bicarinatus</b> Say.	23	<b>columella</b> Say.
23	<b>armigerus</b> Say.		And one species not ascertained.
23	<b>campanulatus.</b>	23	<b>Valvata arenifera?</b> Lea.

## LAND SHELLS.

23	<b>Helix albolabris.</b>	23	<b>Helix minuta</b> Say.
23	<b>arboreus</b> Say.	23	<b>hirsuta</b> Say.
23	<b>tridentata</b> Say.	23	<b>labyrinthica</b> Say.
23	<b>alternata</b> Say.	23	<b>perspectiva</b> Say.
23	<b>glaphyra</b> Say.	23	<b>fraterna</b> Say.
23	<b>thyroidus</b> Say.		And two other species.

## AMPHIBIOUS.

Page.		Page.	
23	<i>Succinea ovalis</i> Say.	23	<i>Pupa corticaria?</i> Say.
23	<i>campestris?</i> Say.	23	<i>Caracolla.</i>
	And one species not ascertained.		One species not ascertained.

Catalogue of Boston Society of Natural History. (Vide p. 39.)

CLASS XI. **CONCHIFERA** LAM.Order I. **Bimusculosa.**

Page.		Page.	
25	<i>Solen ensis</i> Lin.	25	<i>Astarte castanea</i> Say.
25	<i>viridis</i> Say.	25	<i>Cyclas similis</i> Say.
25	<i>Solecurtus Caribæus</i> Blain.	25	<i>dubia</i> Say.
25	<i>maximus.</i>	25	<i>Cyprina Islandica</i> Lam.
25	<i>costatus</i> Say.	25	<i>Cytherea convexa</i> Say.
25	<i>fragilis</i> Pulteney.	25	<i>Venus mercenaria</i> Lin.
25	<i>Glycimeris siliqua</i> Lam.	25	<i>præparca</i> Say.
25	<i>Mya mercenaria</i> Lin.	25	<i>notata</i> Say.
25	<i>Anatina Leana</i> Conrad.	25	<i>gemma</i> Totten.
25	<i>convexa.</i>	26	<i>Cardium Mortonii</i> Conrad.
25	<i>Macra gigantea</i> Lam.	26	<i>pinulatum</i> Conrad.
25	<i>lateralis</i> Say.	26	<i>Cardita borealis</i> Conrad.
25	<i>arctata</i> Conrad.	26	<i>Arca ponderosa</i> Say.
25	<i>tellinoides</i> Conrad.	26	<i>pezata</i> Say.
25	<i>Solemya velum</i> Say.	26	<i>transversa</i> Say.
25	<i>borealis</i> Totten.	26	<i>Nucula margaritacea</i> Lam.
25	<i>Amphidesma corbuloides</i>	26	<i>rostrata</i> Montague.
	Lam.	26	<i>Unio complanatus</i> Soland.
25	<i>Corbula ferruginosa</i> Wood.	26	<i>nasutus</i> Say.
25	<i>contracta</i> Say.	26	<i>ochraceus</i> Say.
25	<i>Pandora trilineata</i> Say.	26	<i>radiatus</i> Lea.
25	<i>Saxicava distorta</i> Say.	26	<i>Alasmodonta arcuata</i> Barn.
25	<i>Petricola pholadiformis</i>	26	<i>marginata</i> Say.
	Lam.	26	<i>undulata</i> Say.
25	<i>dactylus</i> Say.	26	<i>Anodonta cataracta</i> Say.
25	<i>Sanguinolaria fusca</i> Conrad.	26	<i>marginata</i> Say.
25	<i>Tellina polita</i> Say.	26	<i>lugubris</i> Say.
25	<i>Lucina divaricata</i> Lam.		

Order II. **Unimusculosa.**

26	<i>Modiola papuana</i> Lam.	26	<i>Mytilus unguatus</i> Humboldt.
26	<i>plicatula</i> Lam.	26	<i>incurvatus</i> Maton.
26	<i>glandula</i> Totten.	26	<i>pellucidus.</i>
26	<i>Mytilus edulis</i> Lin.	26	<i>Pecten Magellanicus</i> Lam.

Page.		Page.	
26	<b>Pecten Islandicus</b> <i>Lam.</i>	26	<b>Ostrea edulis</b> <i>Lin.</i> (var.)
26	<i>concentricus</i> <i>Say.</i>	26	<b>Anomia ephippium</b> <i>Lin.</i>
26	<b>Ostrea Canadensis</b> <i>Lam.</i>	26	<b>Terebratula.</b>
26	<i>Virginica</i> <i>Lam.</i>		An undescribed recent species.

## CLASS XII. MOLLUSCA.

## Order II. Gasteropoda.

26	<b>Chiton.</b>	27	<b>Ancylus rivularis</b> <i>Say.</i>
	One species.	27	<b>Velutina rupicola</b> <i>Conrad.</i>
26	<b>Patella alveus</b> <i>Conrad.</i>	27	<b>Bulla solitaria</b> <i>Say.</i>
26	<i>amœna</i> <i>Say.</i>	27	<b>Limax.</b>
26	<b>Crepidula fornicata</b> <i>Say.</i>		One or more species.
26	<i>glauca</i> <i>Say.</i>	27	<b>Testacella.</b>
27	<i>plana</i> <i>Say.</i>		One or more species.
27	<i>convexa</i> <i>Say.</i>		

## Order III. Trachelipoda.

27	<b>Helix albolabris</b> <i>Say.</i>	27	<b>Valvata arenifera</b> <i>Lea.</i>
27	<i>thyroidus</i> <i>Say.</i>	27	<b>Paludina decisa</b> <i>Say.</i>
27	<i>alternata</i> <i>Say.</i>	27	<i>limosa</i> <i>Say.</i>
27	<i>perspectiva</i> <i>Say.</i>	27	<i>lapidaria</i> <i>Say.</i>
27	<i>glaphyra</i> <i>Say.</i>		One other species.
27	<i>arborea</i> <i>Say.</i>	27	<b>Natica duplicata</b> <i>Say</i>
27	<i>tridentata</i> <i>Say.</i>	27	<i>heros</i> <i>Say.</i>
27	<i>hirsuta</i> <i>Say.</i>	27	<i>triseriata</i> <i>Say.</i>
27	<i>fraterna</i> <i>Say.</i>	28	<b>Melampus bidentalis</b> <i>Say.</i>
27	<i>labyrinthica</i> <i>Say.</i>	28	<b>Vermetus lumbricalis</b> <i>Lam.</i>
27	<i>minuta</i> <i>Say.</i>	28	<b>Lacuna pertusa</b> <i>Conrad</i>
27	<i>subglobosa</i> (MSS.)	28	<i>fusca</i> (MSS.)
27	<b>Pupa fallax</b> <i>Say.</i>	28	<b>Turbo obligatus</b> <i>Say.</i>
27	<i>corticaria</i> <i>Say.</i>	28	<i>palliatu</i> <i>Say.</i>
27	<b>Succinea ovalis</b> <i>Say.</i>	28	<i>vestita</i> <i>Say.</i>
27	<i>campestris</i> <i>Say.</i>	28	<i>irroratus</i> <i>Say.</i>
27	<b>Auricula myosotis</b> <i>Drap.</i>	28	<i>inflatus</i> <i>Totten.</i>
27	<b>Planorbis trivolvis</b> <i>Say.</i>	28	<i>minutus</i> <i>Totten.</i>
27	<i>bicarinatus</i> <i>Say.</i>	28	<b>Turritella alternata</b> <i>Say.</i>
27	<i>armigerus</i> <i>Say.</i>	28	<i>bisuturalis</i> <i>Say.</i>
27	<i>campanulatus</i> <i>Say.</i>	28	<b>Fusus corneus</b> <i>Say.</i>
27	<i>parvus</i> <i>Say.</i>	28	<i>cinereus</i> <i>Say.</i>
	Two or more other species.	28	<i>decemcostatus</i> <i>Say.</i>
27	<b>Physa heterostropha</b> <i>Say.</i>	28	<b>Pyrula caniculata</b> <i>Lam.</i>
27	<b>Lymncea catascopium</b> <i>Say.</i>	28	<i>carica</i> <i>Lam.</i>
27	<i>columella</i> <i>Say.</i>	28	<b>Ranella caudata</b> <i>Say.</i>
27	<i>ovata</i> <i>Lam.</i>	28	<b>Purpura lapillus</b> <i>Lam.</i>
	Two or more other species.	28	<i>imbricata</i> <i>Lam.</i>



Page.		Page.	
28	<i>Buccinum undatum</i> Lin.	28	<i>Nassa lunata</i> Say.
28	<i>Nassa obsoleta</i> Say.	28	<i>vibex</i> Say.
28	<i>trivittata</i> Say.	28	<i>Columbella avara</i> Say.

Order IV. **Cephalopoda.**

28	<i>Spirula Peronii</i> Lam.	28	<i>Loligo pavo</i> Lesueur.
28	<i>Loligo illecebrosa</i> Lesueur.		One or two other species.

**Totten.**—List of Shells observed on and near the Coast of New England: by Col. Jos. G. TOTTEN. (Hitchcock's Report, Amherst, 1833. Vide p. 39.)

Page.		Page.	
560	<i>Solen ensis</i> Linn.	561	<i>Nucula proxima</i> Say.
560	<i>viridis</i> Say.	561	<i>limatula</i> Say.
560	<i>Solecurtus caribaeus</i> Lam.	561	<i>Unio complanatus</i> Soland.
560	<i>costatus</i> Say.	561	<i>Alasmodonta margaritifera</i>
560	<i>fragilis</i> Dillw.		Gmelin.
	( <i>S. centralis</i> Say.)	561	<i>Modiola plicatula</i> Lam.
560	<i>Mya mercenaria</i> Linn.	561	<i>Mytilus edulis</i> Linn.
560	<i>hyalina</i> Conr.	561	<i>Pecten magellanicus</i> Gmel.
560	<i>Anatina convexa</i> Wood.	561	<i>Pealeii</i> Conr.
	( <i>A. thracia</i> of Blainv.)	561	<i>concentricus</i> Say.
560	<i>leana</i> Conr.	561	<i>Anomia ephippium</i> Gmelin.
560	<i>Mactra solidissima</i> Chemn.	561	<i>Chiton marginatus</i> Linn.
560	<i>lateralis</i> Say.	561	<i>Patella amœna</i> Say.
560	<i>arctata</i> .	561	<i>alveus</i> Conr.
560	<i>tellinoides</i> Conr.	561	<i>Dispotea striata</i> Say.
560	<i>Solemya velum</i> Say.	561	<i>Crepidula fornicata</i> Gmelin.
560	<i>Corbula contracta</i> Say.	561	<i>convexa</i> Say.
560	<i>Pandora tritineata</i> Say.	561	<i>plana?</i> Say.
560	<i>Saxicava distorta</i> Say.	561	<i>glauca?</i> Say.
560	<i>Petricola pholadiformis</i>	561	<i>Helix albolabris</i> Say.
	Lam.	561	<i>alternata</i> Say.
560	<i>Sanguinolaria fusca</i> Say.	561	<i>thyroidus</i> Say.
560	<i>Lucina divaricata</i> Gmelin.	562	<i>Paludina decissa</i> Say.
560	<i>Astarte castanea</i> Say.	562	<i>Natica duplicata</i> Say.
560	<i>Cytherea convexa</i> Say.	562	<i>heros</i> Say.
560	<i>Venus mercenaria</i> Linn.	562	<i>triseriata</i> Say.
560	<i>notata</i> Say.	562	<i>Turbo palliatus</i> Say.
560	<i>Cardium Mortoni</i> Conr.	562	<i>obligatus</i> Say.
560	<i>pinnulatum</i> Conr.	562	<i>vestita</i> Say.
561	<i>Cardita borealis</i> Say.	562	<i>irroratus</i> Say.
561	<i>Arca pexata</i> Say.	562	<i>rudis</i> Say.

Page.		Page.	
562	<b>Lacuna pertusa</b> <i>Conr.</i>	562	<b>Ranella caudata</b> <i>Say.</i>
562	<b>Velutina rupicolor</b> <i>Conr.</i>	562	<b>Purpura lapillus</b> <i>Linn.</i>
562	<b>Turritella bisuturalis</b> <i>Say.</i>	562	<b>Buccinum undatum</b> <i>Linn.</i>
562	<b>Fusus cinereus</b> <i>Say.</i>	562	<b>Nassa vibex</b> <i>Say.</i>
562	<b>decemcostatus</b> <i>Say.</i>	562	<b>trivittata</b> <i>Say.</i>
562	<b>corneus</b> <i>Linn.</i>	562	<b>obsoleta</b> <i>Say.</i>
562	<b>Fulgur canaliculata</b> <i>Lam.</i>	562	<b>lunata</b> <i>Say.</i>
562	<b>carica</b> <i>Lam.</i>	562	<b>Columbella avara</b> <i>Say.</i>

**Jay.**—A Catalogue of Recent Shells in the Cabinet of JOHN C. JAY, M. D. New York, Aug. 1, 1835.

[No reference is made to this edition, as its contents are included in the fourth edition.]

**Ferussac.**—Observations adressées en forme de lettre a MM. Th. Say, C. S. Rafinesque, Is. Lea, S. P. Hildreth, T. A. Conrad, et C. A. Poulson, sur la Synonymie des Coquilles bivalves de l'Amérique Septentrionale, et Essai d'une Table de Concordance à ce sujet: par le BARON DE FERUSSAC. (From the Magasin de Zoologie, 1835, Classe V, Nos. 59, 60, pp. 1-36.)

[There are copious notes and a complete list of works on the subject, but no descriptions. The catalogue is alone given.]

Page.		Page.	
25	<b>Mytilus recurvus</b> <i>Raf.</i>	25	<b>Anodonta marginata</b> <i>Say.</i>
25	<b>Anodonta cataracta</b> <i>Say.</i>		<i>A. Pensylvanica</i> <i>Lam.</i>
	<i>Mytilus fluviatilis</i> <i>Géml.,</i>	25	<b>undulata</b> <i>Say.</i>
	Dillw., Wood.		<i>A. rugosus</i> <i>Swains.</i>
	<i>A. fluviatilis</i> <i>Bosc., Gray.</i>	25	<b>lata</b> <i>Raf.</i>
	<i>Mytilus illitus</i> <i>Solander.</i>		<i>Unio dehiscens</i> <i>Say.</i>
	<i>A. parallela</i> <i>Hyde, in litt.</i>		<i>Oriens</i> <i>Lea.</i>
25	<b>digonota</b> <i>Raf.</i>		<i>latus</i> <i>Conr.</i>
	(an <i>cataracta jun.?</i> )		<i>A. prælonga</i> <i>Green (Raf.)</i>
25	<b>inflata</b> <i>Raf.</i>		<i>Odatelia radiata</i> <i>Raf. (Jour-</i>
25	<b>gibbosa</b> <i>Say.</i>		<i>nal Atlant.)</i>
25	<b>fragilis</b> <i>Lam.</i>	25	<b>imbecillis</b> <i>Say.</i>
25	<b>grandis</b> <i>Say.</i>	25	<b>incerta</b> <i>Nob., Lea.</i>
25	<b>suborbiculata</b> <i>Say.</i>		(an <i>imbecillis?</i> )
25	<b>edentula</b> <i>Say.</i>	25	<b>implicata</b> <i>Say.</i>
	( <i>Alasmodonta</i> <i>Say, Conr.</i> )	25	<b>lugubris</b> <i>Say.</i>
25	<b>Ferussaciana</b> <i>Lea.</i>	25	<b>atra</b> <i>Raf.</i>
	(an <i>Alasmodonta edentula?</i> )	25	<b>cuneata</b> <i>Raf.</i>

Page.		Page.	
25	<b>Anodonta areolatus</b> Swains.	25	<b>Alasmodonta globosa</b> Lea.
25	<i>subvexa</i> Conr.	25	<i>costata</i> Raf.
25	<i>declivis</i> Conr.		<i>A. rugosa</i> Barnes.
25	<i>teres</i> Conr.	25	<i>hians</i> Raf.
25	<i>plana</i> Lea.		(an <i>costata</i> Monstr.?)
25	<i>Stewartiana</i> Lea.	25	<i>marginata</i> Say, Raf.
25	<i>Benedictensis</i> Lea.		<i>Decurambis scriptum</i> Raf.
25	<i>glauca</i> Valenc. (Acapulco).		(d'après Conr.)
25	<i>impura</i> Say (Mexico).		<i>U. cariosa</i> Lam. (var. 2).
25	<b>Dipsas?</b> <i>fragilis</i> Raf.	26	<i>Mya rugulosa</i> Wood.
	(Lasmonos).	26	<b>undulata</b> Say, Barnes.
25	<b>Symphynota complanata</b>		<i>U. varicosa</i> Lam.
	Lea.		<i>hians</i> Valenc.
	( <i>Alasmodonta</i> Barn., Conr.)		<i>glabratus</i> Sowerby.
25	<b>alata</b> Lea.		<i>Mya undulata</i> Wood Sup.
	<i>U. alatus</i> Say, Lam., Wood.	26	<b>monodonta</b> Say ( <i>Unio</i> ).
	<i>megapterus</i> Raf.		<i>U. soleniformis</i> Lea.
25	<b>fragilis</b> Raf.	26	<b>confragosa</b> Say, Conr.
	(S. G. <i>Leptodea</i> .)	26	<b>ambigua</b> Say.
	<i>U. gracilis</i> Barnes, Lea.	26	<b>ponderosum</b> Raf.
	<i>planus</i> Barnes (d'après		( <i>Lasmigona</i> .)
	M. Lea).	26	<b>rugosum</b> Raf. id.
	<i>fragilis</i> Swains., Conr.	26	<b>sulcatum</b> Raf. id.
	<i>S. gracilis</i> Lea.	26	<b>viridis</b> Raf. id.
25	<b>Ohiensis</b> Raf.	26	<b>atropurpureum</b> Raf.
	(S. G. <i>Lastena</i> .)		( <i>Decurambis</i> .)
	<i>U. lavissima</i> Conrad.	26	<b>badium</b> Raf. ( <i>Sulcularia</i> .)
	<i>S. lavissima</i> Lea.	26	<b>papyraceum</b> Raf. id.
25	<b>compressa</b> Lea.	26	<b>sculptilis</b> Say, Conr.
	<i>U. compressus</i> Conr.	26	<b>radiata</b> Conr.
25	<b>inflata</b> Lea.	26	<b>dubia</b> Say.
	( <i>U. Ohiensis?</i> Say.)		<i>U. Hildrethianus</i> Lea.
	<i>U. Alabamensis</i> Conr.	26	<b>margaritifera</b> Linné. ( <i>Mya</i> .)
25	<b>leptodon</b> Raf.		<i>Margaritana fluviatilis</i> Sch.
	(S. G. <i>Leptodea</i> .)		<i>U. elongata</i> Lam., Mich.
	<i>S. tenuissima</i> Lea.		<i>Roissyi</i> Mich.
	<i>A. purpurescens</i> Swains.		<i>Alasm. arcuata</i> Barnes.
	<i>U. leptodon</i> Conr.	26	<b>Ravenelliana</b> Lea.
	<i>planus</i> Barn. (selon M.		( <i>Margaritana</i> .)
	Say?)	26	<b>Unio parvus</b> Barnes.
25	<b>diaphanus?</b> Raf.	26	<b>Glans</b> Lea.
	( <i>Metaptera?</i> )		( <i>parvus?</i> Say.)
25	<b>lasmabrachis?</b> Raf.	26	<b>Lens</b> Lea.
	( <i>Metaptera?</i> )		( <i>lævigatus</i> , selon Conr. ; sub-
25	<b>Poulsoni</b> Conr.		<i>rotundus</i> , selon Say.)

- | Page. |   | Page. |  |
|-------|---|-------|--|
| 26    | <b>Unio suborbiculatus</b> Lam.<br><i>U. rotundata</i> Lam.<br><i>globulus</i> Say.<br><i>subglobosus</i> Lea.  | 26    | <b>Unio fasciolus</b> Raf. (son ex.)<br><i>U. subovatus</i> Lea. id.<br>( <i>Cardium</i> , var., selon Say et<br>Conr.)<br><i>jun. multiradiatus</i> Lea, Con.<br>( <i>fasciolus</i> Raf., selon Say.) |
| 26    | <b>tetralasmus</b> Say.   | 26    | <b>ovatus</b> Say, Lam., Raf., Barn.   |
| 26    | <b>lanceolatus</b> Lea.   | 26    | <b>ochraceus</b> Say, Conr.<br><i>Symph. ochracea</i> Lea.   |
| 26    | <b>declivis</b> Say.<br><i>U. geometricus</i> Lea.  | 26    | <b>ventricosus</b> Barnes.<br><i>U. Cardium</i> Say, Conr.   |
| 26    | <b>subrostratus</b> Say.<br>(an <i>U. nasutus</i> ?)  | 26    | <b>Cardium</b> Raf., Say.<br><i>U. ventricosus</i> Barnes, var.<br><i>Occidens</i> Lea.<br><i>ovatus</i> Lam., var. b.   |
| 26    | <b>nasutus</b> Say, Barnes.<br><i>U. rostrata</i> Valenc.<br><i>Mya nasuta</i> Wood.  | 26    | <b>capax</b> Green, Conr.<br>( <i>Cardium</i> , var., selon Say.)  |
| 26    | <b>complanatus</b> Soland., Dilw.<br><i>U. violaceus</i> Spengl.<br><i>purpureus</i> Say, Barnes.<br><i>coarctata</i> Lam.<br>(d'après son exempl.)   | 26    | <b>cariosus</b> Say, Lam., Barn.<br><i>U. luteola</i> Lam. (d'après<br>son exempl.)<br><i>ovatus</i> Valenc.   |
|       | <i>purpurascens</i> Lam. id.<br><i>rhombula</i> Lam. id.<br><i>carinifera</i> Lam. id.<br><i>georgiana</i> Lam. id.<br><i>sulcidens</i> Lam. id.<br><i>glabrata</i> Lam. id.<br><i>rarisulcata</i> ? Lam. id.<br><i>fluviatilis</i> Green?<br><i>aurata</i> Raf. (d'après<br>Conr.) | 27    | <b>viridis</b> Raf.<br>( <i>cariosus</i> , selon Say.)   |
| 26    | <b>congaræus</b> Lea.   | 27    | <b>siliquoideus</b> Barnes.<br>( <i>cariosus</i> , selon Say.)<br>( <i>inflatus</i> , selon Conr.)<br><i>U. rigida</i> Wood?<br>a) <i>inflatus</i> Barnes?   |
| 26    | <b>angustatus</b> Lea.  | 27    | <b>fasciatus</b> Raf., Say,<br><i>U. carinatus</i> Barnes, selon<br>Say et Conr.)  |
| 26    | <b>subtentus</b> Say.   | 27    | <b>radiatus</b> Spengl., Gmel., Lam.<br><i>U. oblongata</i> Wood Sup.<br><i>Virginiana</i> Lam.  |
| 26    | <b>Carolinianus</b> Bosc.<br><i>U. obesus</i> Lea.  | 27    | <b>teres</b> Raf.<br><i>U. anodontoides</i> Lea.   |
| 26    | <b>camptodon</b> Say.<br>(an <i>Carolinianus</i> ?)   | 27    | <b>rectus</b> Lam., Valenc.<br><i>U. latissima</i> Raf.<br><i>proelongus</i> Barnes.<br><i>Mya praelonga</i> Wood.   |
| 26    | <b>heterodon</b> Lea.   | 27    | <b>crassus</b> Say, Raf.<br>( <i>cariosus</i> Say, selon Conr.)<br><i>U. crassidens</i> Lam., var. c.<br><i>ellipticus</i> Barnes.<br>( <i>cariosus</i> Say, selon Conr.)                              |
| 26    | <b>iris</b> Lea.<br>( <i>subrostratus</i> , selon Say.)   |       |  |
| 26    | <b>calceolus</b> Lea.<br>( <i>Alas. marginata</i> , selon Say;<br><i>truncata</i> Say, selon Conr.)   |       |  |
| 26    | <b>purpuratus</b> Lam.<br><i>U. ventricosa</i> Soland.<br><i>lugubris</i> Say.<br><i>ater</i> Lea.  |       |  |

- |       |   |       |                                      |
|-------|---|-------|--------------------------------------|
| Page. |   | Page. |                                      |
|       | <i>U. carinatus</i> Barnes.   | 27    | <b>Unio fasciolaris</b> Raf.         |
|       | <i>Mya gravis</i> Wood, Sup.  |       | <i>U. phaseolus</i> Hild., Say.      |
| 27    | <b>Unio ligamentina</b> Lam.  |       | <i>mucronatus</i> Barnes.            |
|       | <i>U. ellipsaria</i> Raf.   |       | <i>planulatus</i> Lea.               |
|       | ( <i>crassus</i> , selon Say; <i>lineolatus</i> , selon Conr.)                |       | <i>sinuatus</i> Raf. ? (sel. Con.)   |
| 27    | <b>verrucosus</b> Raf., Say.  |       | <i>bicolor</i> Raf. ? id.            |
|       | <i>U. tuberculatus</i> Barnes.  | 27    | <b>Unio niger</b> Raf., Say.         |
| 27    | <b>quadriulus</b> Raf.  |       | <i>U. crassidens</i> Lam., var. b.   |
|       | <i>U. rugosus</i> Barnes.   |       | <i>cuneatus</i> Barnes.              |
|       | <i>asperrimus</i> Lea.  |       | <i>Bariosta ponderosa</i> Raf.       |
| 27    | <b>lachrymosus</b> Lea.   |       | (d'après l'ex. env. par lui.)        |
|       | ( <i>quadriulus</i> Say, Conr.)   | 27    | <b>Venus</b> Raf.                    |
| 27    | <b>trapezoides</b> Lea.   | 27    | <b>fabalis</b> Lea.                  |
|       | <i>U. crassidens</i> Lam., var. a.  |       | <i>U. lapillus</i> Say.              |
|       | <i>interruptus</i> Say.   | 27    | <b>nervosus</b> Raf.                 |
| 27    | <b>Heros</b> Say.   |       | <i>U. zig-zag</i> Lea.               |
|       | <i>U. multiplicatus</i> Lea.  | 27    | <b>donaciformis</b> Lea ?            |
|       | <i>undulatus</i> Say.   |       | ( <i>nervosus</i> , selon Say.)      |
| 27    | <b>plicatus</b> Say, Barn., Hildr.  |       | ( <i>truncatus</i> , selon Conr.)    |
|       | <i>U. Peruviana</i> Lam. (d'après son exempl. ; <i>costatus</i> ? selon Say.) | 27    | <b>truncatus</b> Raf.                |
|       | <i>rariplicata</i> Lam.   |       | <i>U. elegans</i> Lea.               |
|       | <i>Dombeiana</i> Valenc.  | 27    | <b>triqueter</b> Raf.                |
|       | <i>crassus</i> Barnes.  |       | <i>U. triangularis</i> Barnes.       |
| 27    | <b>costatus</b> Raf.  |       | <i>cuneatus</i> Swainson.            |
|       | <i>U. undulatus</i> Barnes.   |       | <i>formosus</i> Lea.                 |
|       | <i>undulatus</i> Valenc.  | 27    | <b>foliatus</b> Hildr.               |
| 27    | <b>apiculatus</b> Say.  | 27    | <b>Cyphia</b> Raf.                   |
|       | <i>U. asper</i> Lea (sp. dis. ? Con.)   |       | <i>U. Æsopus</i> Green.              |
| 27    | <b>metanevrus</b> Raf.  | 27    | <b>gibbosus</b> Raf.                 |
|       | <i>U. nodosus</i> Barnes.   |       | <i>U. perplexus</i> Lea.             |
| 27    | <b>cylindricus</b> Say.   |       | a) <i>Epioblasma biloba</i> Raf. ?   |
|       | <i>U. naviformis</i> Lam., Valenc.  | 28    | <b>torulosus</b> Raf.                |
|       | <i>solenoides</i> Raf.  |       | ( <i>gibbosus</i> , selon Conr.)     |
| 27    | <b>dilatatus</b> Raf.   | 28    | <b>reflexus</b> Raf.                 |
|       | <i>U. nasutus</i> Lam.  |       | <i>U. cornutus</i> Barnes.           |
|       | <i>gibbosus</i> Barnes.   | 28    | <b>pachostea</b> Raf.                |
|       | <i>atro-violacea</i> Raf.   |       | ( <i>triangularis</i> , selon Conr.) |
|       | (d'après Conr.)   |       | <i>U. Cooperianus</i> Lea.           |
|       | <i>jun. cuprea</i> Raf. id.   | 28    | <b>tuberculatus</b> Raf.             |
|       | a) <i>mucronatus</i> Barnes.  |       | <i>U. verrucosus</i> Barnes.         |
| 27    | <b>flavus</b> Raf.  |       | <i>verrucosus purpureus</i> Hil.     |
|       | <i>U. rubiginosus</i> Lea.  |       | <i>tuberculosa</i> Valenc.           |
|       |   | 28    | <b>verrucosus</b> Val.               |
|       |   |       | <i>U. verrucosus</i> Barn., var.     |
|       |   |       | <i>verrucosus albus</i> Hildr.       |

- | Page. |  | Page. |                                      |
|-------|--|-------|--------------------------------------|
| 28    | <b>Unio bullatus</b> Raf.              | 28    | <b>Unio lineolatus</b> Raf.          |
| 28    | <b>plumbeus</b> Nob.                   |       | <i>U. depressus</i> Raf.             |
|       | <i>Chama plumbea</i> Chemn.            |       | <i>Securis</i> Lea.                  |
|       | <i>U. nodulosus</i> Wood.              | 28    | <b>interruptus</b> Raf.              |
| 28    | <b>pustulosus</b> Lea.                 |       | <i>U. brevidens</i> Lea.             |
|       | ( <i>bullatus</i> Say, Conr.)          | 28    | <b>nexus</b> Say.                    |
| 28    | <b>nodulatus</b> Raf.                  |       | <i>U. arcæformis</i> Lea.            |
|       | <i>U. pustulatus</i> Lea.              | 28    | <b>undatus</b> Barnes.               |
| 28    | <b>Stegarius</b> Raf.                  |       | <i>U. trigonus</i> Lea.              |
|       | <i>U. irroratus</i> Lea.               | 28    | <b>decisus</b> Lea.                  |
| 28    | <b>retusa</b> Lam.                     |       | ( <i>Scalenius?</i> var., sel. Say.) |
|       | <i>U. torsus</i> Raf.                  | 28    | <b>cuneatus</b> Raf.                 |
| 28    | <b>subrotundus</b> Raf.                |       | ( <i>Scalenius</i> , selon Conr.)    |
|       | <i>U. rotunda</i> Wood.                |       | <i>U. patulus</i> Lea.               |
|       | <i>Circulus</i> Lea.                   |       | ( <i>Scalenius</i> , selon Conr.)    |
|       | <i>orbiculatus</i> Hildr.              | 28    | <b>lateralis</b> Raf.                |
|       | <i>pusilla</i> Raf. (selon Conr.)      |       | ( <i>triangularis</i> , selon Conr.) |
|       | <i>striatus</i> Raf. id.               |       | <i>U. crassus</i> Barnes, var. c.    |
| 28    | <b>lævigatus</b> Raf.                  | 28    | <b>sintoxia</b> Raf.                 |
| 28    | <b>castaneus</b> Lea.                  |       | ( <i>triangularis</i> , selon Conr.) |
|       | ( <i>lævigatus?</i> selon Say.)        | 28    | <b>mytiloides</b> Raf.               |
| 28    | <b>politus</b> Say.                    |       | ( <i>triangularis</i> , selon Conr.) |
|       | <i>U. subrotundus</i> Lea.             |       | <i>U. cardiacea</i> Say of Guérin.   |
|       | ( <i>personatus</i> , selon Conr.)     |       | <i>pyramidatus</i> Lea.              |
| 28    | <b>personatus</b> Say.                 |       | ( <i>triangularis</i> , selon Conr.) |
| 28    | <b>Cyclips</b> Raf.                    |       | <i>U. rubra</i> Raf.                 |
|       | <i>U. abruptus</i> Say.                |       | ( <i>triangularis</i> , selon Conr.) |
|       | <i>Calendis</i> Raf. (sel. Conr.)      | 28    | <b>Clava</b> Lam.                    |
| 28    | <b>obliquatus</b> Raf.                 |       | <i>U. Scalenia</i> Raf.              |
|       | monstr. <i>U. Haysianus</i> Lea.       |       | <i>modioliformis</i> Say.            |
|       | a) <i>U. sulcatus</i> Lea.             | 28    | <b>retusus</b> Raf., Conr.           |
|       | monstr. <i>U. ridibundus</i> Say.      | 28    | <b>stapes</b> Lea, Conr.             |
| 28    | <b>olivarius</b> Raf., Conr.           |       | ( <i>retusus?</i> Say.)              |
|       | <i>U. ellipsis</i> Lea.                | 28    | <b>flexuosus</b> Raf., Conr.         |
|       | ( <i>triangularis</i> Raf., sel. Say.) | 28    | <b>pileus</b> Lea, Conr.             |
| 28    | <b>triangularis</b> Raf.               |       | ( <i>flexuosus</i> Say?)             |
| 28    | <b>cicatricosus</b> Say.               | 28    | <b>acutissimus</b> Lea.              |
|       | ( <i>Cyphia</i> Raf., selon Conr.)     | 28    | <b>Velum</b> Say.                    |
|       | <i>U. varicosus</i> Lea, id.           | 28    | <b>elliptica</b> Raf.                |
| 28    | <b>obliqua</b> Lam.                    | 28    | <b>zonalis</b> Raf.                  |
|       | <i>U. obovalis</i> Raf.                | 28    | <b>montanus</b> Raf.                 |
|       | <i>ebenus</i> Lam.                     |       | (Contin. of a Monogr.)               |
|       | <i>Mya obliqua</i> Wood?               | 28    | <b>rimosus</b> Raf. id.              |

Page.		Page.	
28	<b>Unio fulves Raf.</b> (Contin. of a Monogr.)	29	<b>Unio rubellus Conr.</b>
28	<b>roseus Raf.</b> (Monogr.)	29	<b>furvus Conr.</b>
29	<b>pallidus Raf.</b> id.	29	<b>Raveneli Conr.</b>
29	<b>vittatus Raf.</b> (Contin. of a Monogr.) ( <i>inflatus?</i> selon Conr.)	29	<b>icterinus Conr.</b>
29	<b>diploderma Raf.</b> id.	29	<b>tenebrosus Conr.</b>
29	<b>perplexus Raf.</b> id.	29	<b>altilis Conr.</b>
29	<b>granulatus Raf.</b> id.	29	<b>perovalis Conr.</b>
29	<b>metaplata Raf.</b> id.	29	<b>prasinus Conr.</b>
29	<b>decorticata Raf.</b> (Monogr.)	29	<b>infucatus Conr.</b>
29	<b>Cliffortiana Raf.</b> id.	29	<b>oviformis Conr.</b>
29	<b>attenuata Raf.</b> id.	29	<b>perovatus Conr.</b>
29	<b>plateolus Raf.</b> (Contin. of a Monogr.)	29	<b>lienosus Conr.</b>
29	<b>tenellus Raf.</b> id.	29	<b>stramineus Conr.</b>
29	<b>pallens Raf.</b> id.	29	<b>arcus Conr.</b>
29	<b>rivularis Raf.</b> id.	29	<b>Blandingianus Lea.</b>
29	<b>fontinalis Raf.</b> id.	29	<b>Camelus Lea.</b>
29	<b>Chloris Raf.</b> id.	29	<b>capillaris Lea.</b> (an <i>U. personatus</i> Say?)
29	<b>castaneus Raf.</b> id.	29	<b>capsæformis Lea.</b>
29	<b>cordatus Raf.</b> (Monogr.)	29	<b>confertus Lea.</b>
29	<b>cinerescens Raf.</b> (Contin. of a Monogr.)	29	<b>Conradicus Lea.</b>
29	<b>lividus Raf.</b> id.	29	<b>Dromas Lea.</b>
29	<b>flexus Raf.</b> id.	29	<b>fulvus Lea.</b>
29	<b>marginatus Raf.</b> id.	29	<b>Griffithianus Lea.</b>
29	<b>brevialis Sow.?</b>	29	<b>Kirtlandicus Lea.</b>
29	<b>metallicus Say.</b> (Mexique.) <i>U. cuprinus</i> Lea.	29	<b>modioliiformis Lea.</b>
29	<b>purpuratus Say.</b>	29	<b>Nashvillianus Lea.</b>
29	<b>tœniatus Conr.</b>	29	<b>Perdix Lea.</b>
29	<b>trabalis Conr.</b>	29	<b>pictus Lea.</b>
29	<b>nebulosus Conr.</b>	29	<b>Ravenelianus Lea.</b>
29	<b>Cor Conr.</b>	29	<b>Schoolcraftensis Lea.</b>
29	<b>cœlatus Conr.</b>	29	<b>Shepardianus Lea.</b>
29	<b>maculatus Conr.</b>	29	<b>Sowerbianus Lea.</b>
29	<b>vibex Conr.</b>	29	<b>Taitianus Lea.</b>
29	<b>Greenii Conr.</b>	29	<b>Troostensis Lea.</b>
29	<b>penitus Conr.</b>	29	<b>Cyclas similis Say.</b> <i>C. striatina</i> Lam.
29	<b>Masoni Conr.</b>	29	<b>sulcata Lam.</b>
29	<b>delumbis Conr.</b>	29	<b>sarratogea Lam.</b>
29	<b>arctatus Conr.</b>	29	<b>rhomboidea Say.</b>
29	<b>pectorosus Conr.</b>	29	<b>partumeia Say.</b>
		29	<b>Virginica Gmel. (Tellina.)</b> <i>T. pusilla</i> Dillw., Turton.
		29	<b>æqualis Raf.</b>
		29	<b>lasmanpsis Raf.</b>

Page.	Page.
29 <b>Cyclas Caroliniana</b> Bos., Lam. ( <i>Cyrena</i> Say.)	29 <b>Cyclas hammalis</b> Raf. ( <i>Corbicula</i> .)
29 <b>dubia</b> Say.	29 <b>staminea</b> Conr.
29 <b>edentula</b> Say.	29 <b>Tremesia patelloides</b> Raf.
29 <b>transversa</b> Say.	29 <b>Rangia cyrenoides</b> Desm.
29 <b>triangularis</b> Say. (Mexique.)	<i>Gnathodon</i> Gray.

**Jay.**—A Catalogue of Recent Shells, with descriptions of new or rare species, in the collection of JOHN C. JAY, M. D. Illustrated by 4 plates. Second edition. New York, 1836: 8vo. pp. 87.

[Vide fourth edition of the same.]

**Couthouy.**—Description of New Species of Mollusca and Shells found in Massachusetts Bay: by JOSEPH P. COUTHOUY. From the Bost. Journ. Nat. Hist., vol. ii. (American Journal of Science and Arts, O. S., vol. xxxiv, No. 1, July, 1838, pp. 216–219.)

Page.	Page.
216 <b>Tellina sordida</b> Couth.	217 <b>Bulla triticea</b> Couth.
216 <b>Cardium pubescens</b> Couth.	217 <b>Natica consolidata</b> Couth.
216 <b>Nucula myalis</b> Couth.	217 <b>Oxinoe?</b> <i>glabra</i> Couth.
216 <b>tenuisulcata</b> Couth.	217 <b>Jaminia exigua</b> Couth.
216 <b>Terebratula septentrio-</b> <b>nalis</b> Couth.	218 <b>Scalaria subulata</b> Couth.
216 <b>Eolis Bostoniensis</b> Couth.	218 <b>Novangliæ</b> Couth.
217 <b>salmonacea</b> Couth. ( <i>Cavolina</i> Brug.)	218 <b>Turbo incarnatus</b> Couth.
217 <b>gymnota</b> Couth. ( <i>Tergipes</i> Cuv.)	218 <b>cinereus</b> Couth.
217 <b>Tritonia Reynoldsii</b> Couth.	218 <b>obscurus</b> Couth.
217 <b>Chiton fulminatus</b> Couth.	218 <b>Pyramis striatulus</b> Couth.
217 <b>sagrinatus</b> Couth.	218 <b>Turritella erosa</b> Couth.
217 <b>Emersonii</b> Couth.	218 <b>Pleurotoma bicarinata</b> Cou.
217 <b>Patella candida</b> Couth.	218 <b>Cancellaria buccinoides</b> C.
	218 <b>Fusus harpularius</b> Couth.
	218 <b>pleurotomarius</b> Couth.
	219 <b>Trichotropis costellatus</b> C.

**Lea.**—A Synopsis of the Family of Naiades: by ISAAC LEA. Philadelphia: Carey, Lea & Blanchard, 1836. 8vo. pp. 62. With a plate of *Unio spinosus* Lea.

[Vide third edition.]



**Conrad.**—Descriptions of New Marine Shells from Upper California, collected by Thomas Nuttall, Esq. : by T. A. CONRAD. (From Journ. Acad. Nat. Sciences, Philadelphia, vol. vii, pt. 2, 1837.)<sup>1</sup>

Page.	Pl.	Fig.	Name.	Locality.
214	xx	7	<b>Modiola semicostata</b> <i>Conr.</i>	Salem, Mass.
251			<b>Venus Mortoni</b> <i>Conr.</i>	Charleston, S. C.
259	xx	3	<b>Tellina lintea</b> <i>Conr.</i>	Mobile Point, Ala.
263	xx	26	<b>Scalaria turbinata</b> <i>Conr.</i>	Beaufort, N. C.
265	xx	21	<b>Purpura Florida</b> <i>Conr.</i>	Florida and Ala.

**Naturalist.**—Miscellaneous Observations made during a tour in May, 1835, to the Falls of the Cuyahoga, near Lake Erie: extracted from the Diary of a Naturalist. (Am. Journ. Science and Art, O. S., vol. xxxi, No. 1, Jan. 1837, being the date of the title-page.)

Page.	Name.	Locality.
35	<b>Lymnæa stagnalis</b> <i>Lam.</i> (with a wood-cut).	Congress Lake.

By name only, the following univalves are quoted from the "Reserve":—

Page.	Name.	Page.	Name.
36	<b>Pupa exigua</b> <i>Say.</i>	36	<b>Helix fuliginosa</b> <i>Griff.</i>
36	<b>ovata</b> <i>Say.</i>	36	<b>Pennsylvanica</b> <i>Green.</i>
36	<b>Helix albolabris</b> <i>Say.</i>	36	<b>Succinea ovalis</b> <i>Say.</i>
36	<b>thyroidus</b> <i>Say.</i>	36	<b>avara</b> <i>Say.</i>
36	<b>hirsuta</b> <i>Say.</i>	36	<b>obliqua</b> <i>Say.</i>
36	<b>perspectiva</b> <i>Say.</i>	36	<b>Melania depygis</b> <i>Say.</i>
36	<b>lineata</b> <i>Say.</i>	36	<b>Virginica</b> <i>Say.</i>
36	<b>labyrinthica</b> <i>Say.</i>	36	<b>subularis</b> <i>Lea.</i>
36	<b>multilineata</b> <i>Say.</i>	36	<b>Lymnæa elodes</b> <i>Say.</i>
36	<b>palliata</b> <i>Say.</i>	36	<b>reflexa</b> <i>Say.</i>
36	<b>gularis</b> <i>Say.</i>	36	<b>macrostoma</b> <i>Say.</i>
36	<b>ligera</b> <i>Say.</i>	36	<b>desidiosa</b> <i>Say.</i>
36	<b>solitaria</b> <i>Say.</i>	36	<b>stagnalis</b> <i>Lam.</i>
36	<b>concava</b> <i>Say.</i>	36	<b>Physa heterostropha</b> <i>Say.</i>
36	<b>profunda</b> <i>Say.</i>	36	<b>Paludina ponderosa</b> <i>Say.</i>
36	<b>alternata</b> <i>Say.</i>	36	<b>decisa</b> <i>Say.</i>
36	<b>egena</b> <i>Say.</i>	36	<b>granosa</b> <i>Say.</i>
36	<b>fallax</b> <i>Say.</i>	36	<b>Planorbis bicarinatus</b> <i>Say.</i>
36	<b>tridentata</b> <i>Say.</i>	36	<b>trivolvus</b> <i>Say.</i>
36	<b>harpa</b> <i>Say.</i>	36	<b>campanulatus</b> <i>Say.</i>
36	<b>glaphyra</b> <i>Say.</i>	36	<b>armiger</b> <i>Say.</i>
36	<b>inornata</b> <i>Say.</i>	36	<b>exacuus</b> <i>Say.</i>

<sup>1</sup> This title gives not the slightest idea of the locality of the species described.

On the same page, *Helix harpa* is said to be an immature *Pupa*, and *Helix glaphyra*, *inornata*, and *fuliginosa* to be the same species.

On page 200, *Dr. Kirtland* is spoken of as author of above. *Helix fuliginosa* and *H. glaphyra* are said to be distinct.

**Kirtland.**—Report on the Zoology of Ohio: by Prof. J. P. KIRTLAND, M. D. Cincinnati, Nov. 1, 1838.

[No descriptions are given, but notes on those against which the stars are affixed.—W. G. B.]

## CLASS V.—TESTACEA.

## BIVALVE SHELLS.

Page.	No.		Page.	No.	
170	1	<i>Unio Æsopus</i> Green.	171	32	<i>Unio iris</i> Lea.
170	2	<i>alatus</i> Say.	171	33	<i>irroratus</i> Lea.
170	* 3	<i>anodontoides</i> Lea.	171	*34	<i>Kirtlandianus</i> Lea.
170	4	<i>asperrimus</i> Lea.	171	35	<i>lævissimus</i> Lea.
170	5	<i>brevidens</i> Lea.	171	36	<i>lacrymosus</i> Lea.
170	* 6	<i>camelus</i> Lea.	171	37	<i>lens</i> Lea.
170	7	<i>capsæforinus</i> Lea.	171	38	<i>luteolus</i> Lam.
171	8	<i>clavus</i> Lam.	171	39	<i>metanevrus</i> Raf.
171	9	<i>circulus</i> Lea.	171	40	<i>multiradiatus</i> Lea.
171	10	<i>coccineus</i> Hildreth.	171	*41	<i>multiplicatus</i> Lea.
171	11	<i>compressus</i> Lea.	171	42	<i>mytiloides</i> Raf.
171	*12	<i>Cooperianus</i> Lea.	171	43	<i>monodontus</i> Say.
171	13	<i>cornutus</i> Barnes.	171	44	<i>nasutus</i> Say.
171	14	<i>crassidens</i> Lam.	171	45	<i>obliquus</i> Lam.
171	*15	<i>crassus</i> Say.	171	*46	<i>occidens</i> Lea.
171	16	<i>cylindricus</i> Say.	171	*47	<i>orbiculatus</i> Hild.
171	*17	<i>declivis</i> Say.	171	48	<i>ovatus</i> Say.
171	18	<i>dehiscens</i> Say.	171	49	<i>parvus</i> Barnes.
171	*19	<i>donaciformis</i> Lea.	171	50	<i>patulus</i> Lea.
171	20	<i>Dorfeuillianus</i> Lea.	171	*51	<i>perplexus</i> Lea.
171	21	<i>ebenus</i> Lea.	171	*52	<i>personatus</i> Say.
171	22	<i>elegans</i> Lea.	171	53	<i>phaseolus</i> Hild.
171	23	<i>ellipsis</i> Lea.	171	54	<i>pileus</i> Lea.
171	24	<i>fabalis</i> Lea.	171	*55	<i>plicatus</i> Say.
171	25	<i>foliatus</i> Hild.	171	56	<i>pustulatus</i> Lea.
171	26	<i>fragosus</i> Conr.	171	57	<i>pustulosus</i> Lea.
171	27	<i>gibbosus</i> Barnes.	171	58	<i>pyramidatus</i> Lea.
171	28	<i>glans</i> Lea.	171	59	<i>Rangianus</i> Lea.
171	29	<i>gracilis</i> Barnes.	171	60	<i>rectus</i> Lam.
171	30	<i>graniferus</i> Lea.	171	61	<i>retusus</i> Lam.
171	31	<i>Hildrethianus</i> Lea.	172	62	<i>rubiginosus</i> Lea.

Page.	No.		Page.	No.	
		<b>Unio—</b>			<b>Margaritana—</b>
172	*63	<i>Schoolcraftensis</i> Le.	172	*79	<i>calceola</i> Le.
172	64	<i>securis</i> Le.	172	80	<i>complanata</i> Le.
172	65	<i>solidus</i> Le.	172	81	<i>marginata</i> Le.
172	66	<i>subovatus</i> Le.	172	*82	<i>rugosa</i> Le.
172	67	<i>subrotundus</i> Le.			<b>Anodonta—</b>
172	68	<i>sulcatus</i> Le.	172	83	<i>Buchanensis</i> Le.
172	69	<i>tenuissimus</i> Le.	172	84	<i>decora</i> Le.
172	70	<i>triangularis</i> Barnes.	172	85	<i>edentula</i> Le.
172	71	<i>trigonus</i> Le.	172	86	<i>Ferrussaciana</i> Le.
172	72	<i>tuberculatus</i> Barnes.	172	87	<i>imbecilis</i> Say.
172	73	<i>undulatus</i> Barnes.	172	88	<i>ovata</i> Le.
172	74	<i>varicosus</i> Le.	172	89	<i>pavonia</i> Le.
172	75	<i>ventricosus</i> Barnes.	172	90	<i>Pepiniana</i> Le.
172	76	<i>venustus</i> Le.	172	91	<i>plana</i> Le.
172	77	<i>verrucosus</i> Barnes.	172	92	<i>salmonia</i> Le.
172	78	<i>zigzag</i> Le.	172	93	<i>Wardiana</i> Le.

## UNIVALVE SHELLS.

172	94	<i>Ancylus rivularis</i> Say.	173	120	<i>Helix obstricta</i> Say.
172	95	<i>Helix albolabris</i> Say.	173	121	<i>palliata</i> Say.
172	96	<i>alternata</i> Say.	173	122	<i>Pennsylvanica</i> Gr.
172	97	<i>appressa</i> Say.	173	123	<i>perspectiva</i> Say.
172	98	<i>arboreus</i> Say.	173	124	<i>profunda</i> Say.
172	99	<i>clausa</i> Say.	173	125	<i>solitaria</i> Say.
173	100	<i>concava</i> Say.	173	126	<i>tridentata</i> Say.
173	*101	<i>diodonta</i> Say.	173	127	<i>Wardiana</i> Le.
173	102	<i>elevata</i> Say.	173	128	<i>zaleta</i> Le.
173	103	<i>fallax</i> Say.			<b>Polygyra—</b>
173	104	<i>fraterna</i> Say.	173	129	<i>Dorfeuilliana</i> Le.
173	105	<i>fuliginosus</i> Griffith.	173	*130	<i>Heleciana</i> .
173	106	<i>glaphyra</i> Say.	173	131	<i>Pupa armifera</i> Say.
173	107	<i>gularis</i> Say.	173	*132	<i>exigua</i> Say.
173	108	<i>harpa</i> Say.	173	133	<i>ovata</i> Say.
173	109	<i>hirsuta</i> Say.	173	134	<i>Succinea avara</i> Say.
173	110	<i>indentata</i> Say.	173	135	<i>ovalis</i> Say.
173	111	<i>inflecta</i> Say.	173	136	<i>retusa</i> Le.
173	112	<i>inornata</i> Say.	173	137	<i>vermetus</i> Say.
173	113	<i>interna</i> Say.			<b>Cyclostoma—</b>
173	114	<i>labyrinthica</i> Say.	174	138	<i>lapidaria</i> Say.
173	115	<i>ligeri</i> Say.	174	139	<i>marginalis</i> Say.
173	116	<i>lineata</i> Say.			<b>Planorbis—</b>
173	117	<i>minuta</i> Say.	174	140	<i>armigerus</i> Say.
173	118	<i>Mitchella</i> Le.	174	141	<i>bicarinata</i> Say.
173	*119	<i>multilineata</i> Say.	174	142	<i>campanulata</i> Say.

Page.	No.		Page.	No.	
		<b>Planorbis—</b>			<b>Lymneus—</b>
174	143	<i>exacuus</i> Say.	174	157	<i>umbrosus</i> Say.
174	144	<i>lens</i> Lea.	174	158	<i>Melania caniculata</i> Say.
174	*145	<i>parvus</i> Say.	174	159	<i>conica</i> Say.
174	146	<i>trivolis</i> Say.	174	160	<i>depygis</i> Say.
174	147	<i>Physa elliptica</i> Lea.	174	*161	<i>isogonica</i> Say.
174	*148	<i>elongata</i> Say.	174	162	<i>Sayii</i> Wood.
174	149	<i>heterostropha</i> Say.	174	*163	<i>Anculosa prærosa</i> Say.
174	*150	<i>Sayii</i> Tappan.	174	*164	<i>Valvata sincera</i> Say.
		<b>Lymneus—</b>	174	*165	<i>tricarinata</i> Say.
174	*151	<i>catascopius</i> Say.	174	166	<i>Paludina decisa</i> Say
174	152	<i>decidiosus</i> Say.	174	*167	<i>granosa</i> Say.
174	153	<i>elodes</i> Say.	175	*168	<i>heterostropha</i> Kirtl.
174	154	<i>exilis</i> Lea.	175	*169	<i>microstoma</i> Kirtl.
174	155	<i>reflexus</i> Say.	200	170	<i>ponderosa</i> Say.
174	*156	<i>stagnalis</i> Lam.			

**Sager.**—Report of Dr. ABM. SAGER, Zoologist of the Geological Survey [of Michigan]. Detroit, Jan. 12, 1839. [Without descriptions.]

## MOLLUSCA.

### CLASS CONCHIFERA.

#### Section Lamellipoda.

Page.		Page.	
13	<i>Cyclas similis</i> Say.	13	<i>Cyclas dubiosa</i> Say.
NAIADAE. FRESH WATER BIVALVES.			
13	<i>Unio plicatus</i> Say.	13	<i>Unio Hildrethianus</i> Lea.
13	<i>alatus</i> Say.	13	<i>silquoides</i> Barnes.
13	<i>purpureus</i> Say.	13	<i>nasutus</i> Say.
13	<i>fasciolaris</i> Raf.	13	<i>rectus</i> Lam.
13	<i>undulatus</i> Barnes.	13	<i>dilatatus</i> Raf.
13	<i>multiradiatus</i> Lea.	13	<i>tuberculatus</i> Raf.
13	<i>circulus</i> Lea.	13	<i>bullatus</i> Raf.
13	<i>penitus</i> Conr.	13	<i>olivarius</i> Raf.
13	<i>lapillus</i> Say.	13	<i>rubiginosus</i> Lea.
13	<i>compressus</i> Lea.	13	<i>gibbosus</i> Raf.
13	<i>triangularis</i> Barnes.	13	<i>ventricosus</i> Barnes.
13	<i>cariosus</i> Say.	13	<i>Anodonta Ferussaciana</i> Lea.
13	<i>fragilis</i> Raf.	13	<i>cataracta</i> Say.
13	<i>subrotundus</i> Lea.	13	<i>Alasmodonta marginata</i> Say.
13	<i>coelatus</i> Conr.	13	<i>undulata</i> Say.
13	<i>iris</i> Lea.	13	<i>edentula</i> Say.

CLASS **MOLLUSCA.**Order **Gasteropoda.**

Page.

**PHYLLIDIANA.**14 **Patella.**Order **Trachelipoda.****COLIMACEA.**

	Page.
14 <b>Helix solitaria</b> Say.	14 <b>Helix ligera</b> Say.
14 <b>albolabris</b> Say.	14 <b>fuliginosa</b> Say.
14 <b>zaleta</b> Say.	14 <b>concava</b> Say.
14 <b>multilineata</b> Say.	14 <b>profunda</b> Say.
14 <b>clausa</b> Say.	14 <b>alternata</b> Say.
14 <b>fraterna</b> Say.	14 <b>tridentata</b> Say.
14 <b>fallax</b> Say.	14 <b>inornata</b> Say.
14 <b>hirsuta</b> Say.	14 <b>elevata</b> Say.
14 <b>perspectiva</b> Say.	14 <b>arboreus</b> Say.
14 <b>palliata</b> Say.	14 <b>Pupa ovata</b> Say.
14 <b>inflecta</b> Say.	14 <b>Succinea ovalis</b> Say.
14 <b>thyroidus</b> Say.	14 <b>campestris</b> Say.
14 <b>fraterna</b> Say.	

**LYMNEANA.**

14 <b>Planorbis trivolvis</b> Say.	15 <b>Physa elongata</b> Say.
14 <b>ezacucus</b> Say.	15 <b>Lymneus columellus</b> Say.
14 <b>campanulatus</b> Say.	15 <b>elodes</b> Say.
14 <b>bicarinatus</b> Say.	15 <b>desidiosus</b> Say.
14 <b>Physa heterostropha</b> Say.	15 <b>stagnalis</b> .

**MELANIANA.**

15 <b>Melania Virginica</b> Say.	15 <b>Melania depygis</b> Say.
----------------------------------	--------------------------------

**PERISTOMIANA.**

15 <b>Valvata tricarinata</b> Say.	15 <b>Paludina decisa</b> Say.
15 <b>sincera</b> Say.	15 <b>ponderosa</b> Say.

**De Kay.**—Catalogue of the Animals belonging to the State of New York, as far as they have been figured and described: by J. E. DE KAY. Assembly No. 50. Jan. 1, 1839. (No descriptions.)

**MOLLUSCA.**

Page.		Page.	
12	<b>Lolligo punctata.</b>	12	<b>Helix monodon.</b>
12	<b>Helix thyroidus.</b>	12	<b>hirsuta.</b>
12	<b>albolabris.</b>	12	<b>tridentata.</b>

Page.		Page.	
12	<b>Helix alternata.</b>	12	<b>Alasmodonta undulata.</b>
12	<b>Limneus.</b>	12	<b>Unio purpureus.</b>
12	<b>Melampus bidentatus.</b>	12	<b>cariosus.</b>
12	<b>Turbo rudis.</b>	12	<b>ochraceus and var.</b>
12	<b>palliatu8.</b>	12	<b>Cardita borealis.</b>
12	<b>irroratus.</b>	12	<b>Cardium Mortoni.</b>
12	<b>neretoides.</b>	12	<b>pinnatuluum.</b>
12	<b>Scalaria lineata.</b>	12	<b>Donax fossor.</b>
12	<b>Paludina disscisa.</b>	12	<b>Astarte castanea.</b>
12	<b>Natica heros.</b>	12	<b>Venus gemma.</b>
12	<b>duplicata.</b>	12	<b>mercenaria.</b>
12	<b>Crepidula fornicata.</b>	12	<b>notata.</b>
12	<b>plana.</b>	12	<b>Cytherea conveza.</b>
12	<b>Nassa trivittata.</b>	12	<b>Petricola pholadiformis.</b>
12	<b>obsoleta.</b>	12	<b>Mactra lateralis.</b>
12	<b>Columbella avara.</b>	12	<b>solidissima.</b>
12	<b>Ranella caudata.</b>	12	<b>Mya arenaria.</b>
12	<b>Fusus cinereus.</b>	12	<b>Lyonsia hyalina.</b>
12	<b>Chiton inermis.</b>	12	<b>Anatina dubia.</b>
12	<b>Anomia ephippium.</b>	12	<b>Solemya velum.</b>
12	<b>Arca pexata.</b>	12	<b>Pandora trilineata.</b>
12	<b>transversa.</b>	12	<b>Solecurtus caribeus.</b>
12	<b>Modiolus papuanus.</b>	12	<b>costatus.</b>
12	<b>demissus.</b>	12	<b>Sanguinolaria fusca.</b>

**De Kay.**—(Same as last. Dec. 1839.)

CLASS V. **MOLLUSCA.**

Order I. **Cephalopoda.**

Page.		Page.	
31	<b>Loligo punctata, n. sp.</b>	31	<b>Loligo Pealeii.</b>

Order II. **Pteropoda.**

31 **Clio borealis.**

Order III. **Gasteropoda.**

† **PULMONEA.**

31	<b>Limax lineatus, n. sp.</b>	31	<b>Helix palliata.</b>
31	<b>marmoratus, n. sp.</b>	31	<b>minuta.</b>
31	<b>Helix thyroidus.</b>	31	<b>hirsuta.</b>
31	<b>albolabris.</b>	31	<b>clausa.</b>
31	<b>tridentata.</b>	31	<b>perspectiva.</b>
31	<b>appressa.</b>	31	<b>elevata.</b>

Page.		Page.	
31	<b>Helix</b> zaleta.	31	<b>Auricula</b> borealis.
31	dentifera.	31	<b>Planorbis</b> trivolvus.
31	subglobosa.	31	bicarinatus.
31	scabra.	31	campanulatus.
31	arborea.	31	parvus.
31	glaphyra.	31	exacuus.
31	lineata.	32	armigerus.
31	fallax.	32	megastoma, n. sp.
31	fraterna.	32	niger n. sp.
31	diodonta.	32	<b>Lymnea</b> catascopium.
31	inornata.	32	desidiosa.
31	indentata.	32	macrostoma.
31	gularis.	32	reticulata n. sp.
31	ligera.	32	reflexa.
31	concava.	32	appressa.
31	profunda.	32	elodes.
31	<b>Pupa</b> corticaria.	32	humilis.
31	exigua.	32	pinguis.
31	pentodon.	32	nigrescens, n. sp.
31	ovata.	32	modicellus.*
31	<b>Succinea</b> obliqua.	32	gracilis, n. sp.
31	putris.	32	<b>Physa</b> heterostropha.
31	lineata, n. sp.	32	ancillaria.
31	ovalis.	32	fragilis n. sp.
31	<b>Auricula</b> cornea.	32	elliptica.
31	lineata.		

#### †† NUDIBRANCHIATA.

32	<b>Doris</b> .	32	<b>Cavolina</b> salmonacea.
32	<b>Tritonia</b> Reynoldsi.	32	<b>Tergipes</b> gymnota.
32	<b>Eolis</b> bostoniensis.		

††† INFEROBRANCHIATA, not observed.

#### †††† TECTIBRANCHIATA.

32	<b>Bulla</b> fluviatilis.	32	<b>Bulla</b> oryza.
32	insculpta.	32	triticea.

††††† HETEROPODA, not observed.

#### ††††† PECTINIBRANCHIATA.

32	<b>Turbo</b> obligatus.	32	<b>Turbo</b> minutus.
32	irroratus.	32	cinereus.
32	vestitus.	32	multilineatus n. sp.
32	pallatus.	32	<b>Lacuna</b> fusca.
32	inflatus.	32	<b>Pleurotoma</b> bicarinata.
32	incarnatus.	32	<b>Turritella</b> interrupta.

Page.		Page.	
32	<i>Scalaria subulata.</i>	32	<i>Galericulum.</i>
32	<i>Valvata tricarinata.</i>	32	<i>Calyptrea.</i>
32	<i>sincera.</i>	32	<i>Sigaretus glaber.</i>
32	<i>Paludina disscisa.</i>	32	<i>Velutina rupicola.</i>
32	<i>porata.</i>	32	<i>Cryptostoma.</i>
32	<i>lustrica.</i>	32	<i>Marginella carnea.</i>
32	<i>heros n. sp.</i>	32	<i>Trichotropis.</i>
32	<i>Ampullaria paludosa.</i>	32	<i>Cancellaria leonthocyl.</i>
32	<i>Melania multilineata.</i>	32	<i>Buccinum undatum.</i>
32	<i>Lamina trifida.</i>	32	<i>Nassa obsoleta.</i>
32	<i>exigua.</i>	32	<i>trivittata.</i>
32	<i>Natica duplicata.</i>	32	<i>Purpura lapillus.</i>
32	<i>heros.</i>	32	<i>imbricata.</i>
32	<i>triseriata.</i>	33	<i>bizonalis.</i>
32	<i>pusilla.</i>	33	<i>Pasithea nigra.</i>
32	<i>consolidata.</i>	33	<i>Ranella caudata.</i>
32	<i>immaculata.</i>	33	<i>Fusus corneus.</i>
32	<i>Crepidula glauca.</i>	33	<i>cinereus.</i>
32	<i>fornicata.</i>	33	<i>decemcostatus.</i>
32	<i>plana.</i>	33	<i>Fulgur canaliculatus.</i>
32	<i>conveza.</i>		

+++++ SCUTIBRANCHIATA.

33 *Fissurella greca.*

+++++ CYCLOBRANCHIATA.

33	<i>Patella alveus.</i>	33	<i>Chiton pectinatus.</i>
33	<i>candida.</i>	33	<i>fulminatus.</i>
33	<i>amœna.</i>	33	<i>sagrinatus.</i>
33	<i>Ancylus rivularis.</i>		

Order IV. **Acephala.**

† **TESTACEA.**

33	<i>Ostrea borealis.</i>	33	<i>Modiola papuana.</i>
33	<i>Virginica.</i>	33	<i>glandula.</i>
33	<i>Pecten concentricus.</i>	33	<i>Anodonta cataracta.</i>
33	<i>Anomia ephippium.</i>	33	<i>marginata.</i>
33	<i>Arca pexata.</i>	33	<i>Pennsylvanica.</i>
33	<i>transversa.</i>	33	<i>plana.</i>
33	<i>incongrua.</i>	33	<i>benedictensis.</i>
33	<i>Nucula semisulcata.</i>	33	<i>fragilis.</i>
33	<i>myalis.</i>	33	<i>subcylindracea.</i>
33	<i>Mytilus edulis.</i>	33	<i>edentula.</i>
33	<i>cubitus.</i>	33	<i>Ferussaciana.</i>
33	<i>striatus.</i>	33	<i>Alasmodonta rugosa.</i>



Page.		Page.	
33	<b>Alasmodonta undulata.</b>	33	<b>Venus preopaca.</b>
33	marginata.	33	inequalis.
33	arcuata.	33	gemma.
33	<b>Unio complanatus.</b>	33	<b>Astarte castanea.</b>
33	radiatus.	34	daumoniensis.
33	occidens.	34	<b>Cytherea convexa.</b>
33	luteolus.	34	<b>Petricola pholadiformis.</b>
33	compressus.	34	<b>Corbula.</b>
33	nasutus.	34	<b>Maetra solidissima.</b>
33	ochraceus.	34	subtriangularis.
33	cariosus.	34	lateralis.
33	novi-eboraci.	34	tellinoides.
33	heterodon.	34	nucleus.
33	crassus.	34	<b>Amphidesma corbuloides.</b>
33	gracilis.	34	<b>Mya arenaria.</b>
33	<b>Cardita borealis.</b>	34	<b>Lutraria.</b>
33	<b>Cardium Mortoni.</b>	34	<b>Anatina pretennis.</b>
33	pinnatum.	34	papyratia.
33	pubescens.	34	<b>Solemya velum.</b>
33	grænlandicum.	34	borealis.
33	<b>Donax fossor.</b>	34	<b>Glycimeris siliqua.</b>
33	<b>Cyclas similis.</b>	34	<b>Pandora trilineata.</b>
33	dubia.	34	<b>Saxicava distorta.</b>
33	partumeja.	34	<b>Solen ensis.</b>
33	rhomboida.	34	viridis.
33	<b>Cyprina islandica.</b>	34	<b>Solecurtus costatus.</b>
33	<b>Tellina tenera.</b>	34	fragilis.
33	sordida.	34	caribæus.
33	lateralis.	34	<b>Sanguinolaria fusca.</b>
33	versicolor.	34	<b>Pholus crispata.</b>
33	<b>Venus mercenaria.</b>	34	lamellata.
33	notata.	34	<b>Teredo navalis.</b>

†† **NUDA.**

34	<b>Ascidea rustica.</b>	34	<b>Ascidea ovalis.</b>
34	pedunculata.	34	<b>Botryllus stellatus.</b>
34	plicata.	34	<b>Polyclinum.</b>

Order V. **Brachiopoda.**

34	<b>Terebratula septentrionalis.</b>
----	-------------------------------------

**Russell.**—Familiar Notice of some of the Shells found in the limits of Essex County, Massachusetts, with reference to descriptions and figures: by JOHN LEWIS RUSSELL. (From Journal of the Essex Co. Natural History Society, June, 1839.)

[With notes, descriptive and geographical.]

Page.		Page.	
49	<i>Teredo navalis.</i>	60	<i>Anodonta implicata</i> Say.
50	<i>Pholas crispata.</i>	61	<i>Modiola papuana</i> Lam.
50	<i>lamellata</i> Turton.	61	<i>plicatula</i> Lam.
51	<i>Solen ensis.</i>	61	<i>Mytilus edulis.</i>
51	<i>Solecurtus costatus</i> Say.	62	<i>pellucidus.</i>
	<i>Solen costatus</i> Say.	62	<i>Pecten Magellanicus.</i>
51	<i>Glycimeris siliqua.</i>	62	<i>Anomia ephippium</i> L.
51	<i>Mya mercenaria.</i>	63	<i>Terebratula septentrionalis</i>
52	<i>Anatina Leana.</i>		<i>Couth.</i>
52	<i>Mactra gigantea.</i>	63	<i>Chiton fulminatus</i> Couth.
	<i>M. solidissima</i> Say.	64	<i>Patella alveus</i> Conr.
53	<i>arctata</i> Conr.		<i>Patelloidea</i> Guimard.
53	<i>tellinoides</i> Conr.	64	<i>amœna</i> Say.
53	<i>Solemya velum.</i>		<i>Patelloidea</i> Guimard.
54	<i>Sanguinolaria fusca</i> Conr.	64	<i>Crepidula fornicata.</i>
54	<i>Pandora trilineata</i> Say.	65	<i>plana</i> Say.
54	<i>Saxicava distorta</i> Say.	65	<i>Ancylus rivularis</i> Say.
55	<i>Petricola fornicata.</i>	66	<i>Velutina rupicola.</i>
	<i>P. pholadiformis</i> Lam.		<i>Oxynoë glabra</i> Couth.?
56	<i>Tellina polita.</i>	67	<i>Natica heros</i> Say.
56	<i>tenera</i> Say.	67	<i>triseriata.</i>
56	<i>sordida</i> Couth.	67	<i>consolidata</i> Couth.
57	<i>Astarte castanea</i> Say.	67	<i>Melampus bidentatus</i> Mont.
	<i>Crassina</i> Lam.	68	<i>Lacuna pertusa</i> Conr.
	<i>Venus castanea</i> Say.	68	<i>Nassa obsoleta</i> Say.
57	<i>Cyprina Islandica</i> Lam.	68	<i>trivittata.</i>
58	<i>Venus mercenaria.</i>	69	<i>Trichotropis costellatus.</i>
58	<i>gemma</i> Tott.	69	<i>Buccinum undatum.</i>
58	<i>Cardium pinnulatum</i> Conr.	69	<i>Purpura lapillus.</i>
58	<i>Nucula limatula</i> Say.		<i>Buccinum lapillus</i> Lin.
58	<i>tenuisulcata</i> Couth.	70	<i>imbricata</i> Lam.
59	<i>myalis</i> Couth.	70	<i>Fusus decemcostatus</i> Say.
59	<i>Unio complanatus</i> Lea.	70	<i>corneus</i> Say.
	<i>U. purpureus.</i>	71	<i>cinereus</i> Say.
60	<i>radiatus</i> Say.	71	<i>harpularius</i> Couth.
60	<i>nasutus</i> Say.	71	<i>Turritella erosa</i> Couth.
60	<i>Anodonta cataracta.</i>	72	<i>Turbo palliatus</i> Say.

Page.		Page.	
72	<i>Turbo vestita</i> Say.	74	<i>Rostellaria occidentalis</i> <i>Gübrin.</i>
72	<i>obligatus</i> Say.	74	<i>Pyramis striatulus</i> Couth.
73	<i>inflatus</i> Tott.	75	<i>Modiola discrepans</i> Mont.
73	<i>minutus</i> Tott.	75	<i>Thracia Conradi.</i>
73	<i>incarnatus</i> Couth.	75	<i>Bulla triticea</i> Couth.
73	<i>cinereus</i> Couth.	75	<i>Scalaria subulata</i> Couth.
74	<i>obscurus</i> Couth.	76	<i>Solemya borealis</i> Totten.
74	<i>Cancellaria buccinoides</i> Cou.		

**Conrad.**—Observations on the Genus *Gnathodon*, with description of a New Species: by T. A. CONRAD. (From *Am. Journ. Sci. and Art*, O. S., vol. xxxviii, No. 1, Oct.–Dec., 1839.)

Page.	Name.	Locality.
92	<i>Gnathodon cuneata.</i>	Gulf of Mexico.
92	<i>Grayi</i> (fossil).	Yorktown, Va.
92	<i>flexuosa</i> Conr. (with a figure).	Florida.

**Adams.**—Description of Shells: by Prof. C. B. ADAMS. (From same, vol. xxxix, No. 2, 1840.)

Page.	Name.	Locality.
373	<i>Cerithium terebrale</i> Adams.	New Bedford.
374	<i>Planorbis virens</i> Adams.	New Bedford.
374	<i>Limnæa acuminata</i> Adams.	New Bedford & Woburn, Mass.
374	<i>umbilicata</i> Adams.	New Bedford.
374	<i>pallida</i> Adams.	Shoreham, Vt.
375	<i>Cyclas elegans</i> Adams.	

**Adams.**—Shells of Fresh Pond: by Prof. C. B. ADAMS. (From same, vol. xxxvi, No. 2, 1839. No descriptions.)

Page.		Page.	
392	<i>Unio nasutus.</i>	392	<i>Valvata tricarinata.</i>
392	<i>complanatus.</i>	392	<i>Succinea ovalis.</i>
392	<i>radiatus.</i>	392	<i>Lymnea heterostropha.</i>
392	<i>Anodonta implicata.</i>	392	<i>columellaris.</i>
392	<i>Cyclas similis.</i>	392	<i>catascopium.</i>
392	<i>Planorbis trivolvis.</i>	392	<i>Physa heterostropha.</i>
392	<i>bicarinatus.</i>	392	<i>Paludina decisa.</i>
392	<i>deflectus?</i>	392	<i>lustrica?</i>
392	<i>hirsutus</i> , n. s. (descrip.)		
392	<i>Anodonta cataracta</i> = <i>A. implicata.</i>		

**Tappan.**—Description of some New Shells: by BENJ. TAPPAN, Steubenville, Ohio. (In Am. Journal Science, O. S., vol. xxxv, No. 2. Date of title-page, Jan. 1839.)

Page.	Pl.	Fig.	Name.	Locality.
268	iii	1	<b>Unio Sayii</b> Ward.	Circleville.
269	iii	2	<b>Paludina heterostropha</b> Kirtland.	Mahoning river.
269	iii	3	<b>Physa Sayii</b> Tappan.	Lake Pepin, Ohio.

**Jay.**—A Catalogue of the Shells, arranged according to the Lamarkian System: together with descriptions of new or rare species contained in the collection of JOHN C. JAY, M. D. Illustrated by several plates. 3d edition, 4to. pp. 126. New York, 1839.

[Vide the fourth edition. The following species are described]:—

Page.	Pl.	Fig.	Name.	Locality.
112	i	8, 9	<b>Paludina scalaris</b> Jay.	Everglades of Florida.
112	i	10, 11	<b>Lymnæa gracilis</b> Jay.	Essex County, N. Y.
113	i	17, 18	<b>Trichotropis costulatus</b> Couth.	Massachusetts Bay.
		iii	7 <b>Ampullaria scalaris</b> Orb.	Mexico.
		v	1, 2 <b>Unio spinosus</b> Lea.	Altamaha river.
122	vii	11	<b>Melania læta</b> Jay.	Alabama.

**Couthouy.**—Monograph of Osteodesmacea, &c.: by J. P. COUTHOUY. (From Am. Journ. Sci. and Art, O. S., vol. xxxvi, April–July, 1839.) Descriptions of the following American species:—

Page.	Name.	Locality.
383	<b>Thracia Conradi</b> Couth. <i>T. declivis</i> Conrad, non Pennant. <i>Anatina convexa</i> Hitchcock's Rep. <i>Thracia corbuloides</i> Kiener.	New England.
384	<b>Osteodesma hyalina</b> Couth. <i>Mya hyalina</i> Conrad. <i>Amphidesma corbuloides</i> Hitchcock's Rep.	
385	<b>Eolis diversa</b> Couth.	Massachusetts Bay.
385	<b>Cochleodesma</b> Couth. (n. g.) ex. <i>Anatina Leana</i> Conr.	
389	<b>Nucula navicularis</b> Couth.	Massachusetts Bay.
389	<b>Bulla lineolata</b> Couth.	Massachusetts Bay.

Page.	Name.	Locality.
390	<i>Bulla hiemalis</i> Couth.	Massachusetts Bay.
390	<i>Gouldii</i> Couth.	Massachusetts Bay.
390	<i>Pleurotoma decussata</i> Couth.	Massachusetts Bay.
390	<i>Anculotus dentatus</i> Couth.	Potomac, Va.

**C. B. Adams**—(From same.) Notes on the following shells, and descriptions of new species:—

Page	Name.	Locality.
387	<i>Columbella avara</i> Say.	Massachusetts.
387	<i>Buccinum vibex</i> Say. ( <i>Nassa</i> .)	Massachusetts.
387	<i>trivittatum</i> Say. ( <i>Nassa</i> .)	Massachusetts.
387	<i>obsoletum</i> Say. ( <i>Nassa</i> .)	Massachusetts.
388	<i>Purpura lapillus</i> L.	Massachusetts.
388	<i>Fusus cinereus</i> Say.	Massachusetts.
388	<i>Ranella caudata</i> Say.	Massachusetts.
388	<i>Jaminia seminuda</i> Adams.	Dartmouth.
388	<i>Pyramis fusca</i> Adams.	New Bedford.
388	<i>Cerithium Emersonii</i> Adams.	New Bedford, &c.
388	<i>nigrocinctum</i> Adams.	Dartmouth.

**A. A. Gould, M. D.**—(From same, vol. xxxvii, July–October, 1839.)

Page.	Name.	Locality.
392	<i>Helix aspersa</i> Mull.	Portland, Maine.

**Haldeman.**—A Monograph of the Limniades and other fresh-water Univalve Shells of North America: by S. STEHMAN HALDEMAN, Member Phila. Acad. Nat. Sci., Philadelphia.

No. I.—July, 1840.

Pa.	Pl.	Fig.	Name.	Locality.
4	i		<i>Paludina decisa</i> Say. <i>P. heterostropha</i> Kirtland. <i>limosa</i> Val. <i>cornea</i> Val.? <i>ponderosa</i> , jun. Desh.?	Ohio riv., N.J. streams; Del., Schuylkill, Susquehanna rivs.; New Engl., O.; Fox, Nola-chucky, Tenn. rivs.; N. W. Terr.
8	ii		<i>subcarinata</i> Say. <i>Helix decisa</i> Wood. <i>P. carinata</i> Val. (removed in errata).	Ohio, Del., Schuylkill, and Susq. rivers.

Pa.	Pl.	Fig.	Name.	Locality.
10	iii		<b>Paludina integra</b> Say.	S. C., O., Miss. r. in Ia.
13	iv		<b>ponderosa</b> Say.	O., Ind., Ill., Tenn., Ala.
15	v		<b>genicula</b> Conr.	Flint river, Ga.
4	of cover		<b>Anculosa littorina</b> Hald.	Holston river, Va.
4	"		<b>Cerithium (Potamis) Californicum</b> Hald.	California.
4	"		<b>Cyclas elevata</b> Hald.	New Orleans.
4	"		Genus <b>Discus (Planorbis armigerus)</b> .	

## No. II.—January, 1841.

17	vi		<b>Paludina vivipara</b> Lin. <i>P. lineata</i> Val.	Fla., Ala., Ind., Mo., Mich., Cuba.
23	vii	1-2	<b>Georgiana</b> Lea.	Hopeton, Ga.
24	vii	3, 4	<b>Bengalensis</b> Lam. <i>P. fasciata</i> Bowd. <i>elongata</i> Swains. <i>multilineata</i> Say.	Florida.
26	viii		<b>carinata</b> Val.	Mexico.
28	ix		<b>subpurpurea</b> Say.	Wabash, S. Louis, Wis.
31	x	1-6	<b>intertexta</b> Say. <i>P. transversa</i> Say.	New Orleans; S. C.
3	of cover		<b>Melania rufula</b> Hald.	Lake Pepin.
3	"		<b>Physa fontana</b> Hald.	Pennsylvania.
3	"		<b>Ancylus parallelus</b> Hald.	Vermont.
3	"		Subgenus <b>Angitrema</b> (Ex. <b>Melania armigera</b> Say.)	
3	"		<b>Melania costifera</b> Hald.	Illinois.
3	"		<i>Helix dissimilis</i> Wood = <b>Pal. decisa</b> .	
3	"		<b>Pal. decisa</b> .	N. Y., Va., N. C.
3	"		<i>Helix decisa</i> Wood = <b>Pal. subcarinata</b> .	
3	"		<b>Pal. subcarinata</b> .	Tennessee.

## No. III.—July, 1841.

## Subgenera of LIMNEA.

5			<b>Limnea</b> Lam.	
5			<b>Radix</b> Mont.	
6			<b>Laptolimnea</b> Swainson.	
6			<b>Bulimnea</b> Hald.	
6			<b>Acella</b> Hald.	
6	i		<b>Limnea catascopium</b> Say. <i>L. pinguis</i> Say? <i>cornea</i> Val. <i>Virginiana</i> Lam.?	Mass., N. York, N. W. Terr., Canada, Dela- ware and Schuylkill rivers, Oregon.
10	ii		<b>emarginata</b> Say.	N. W. Terr., Maine.
10			<b>serrata</b> Hald. (n. sp.?)	

Pa.	Pl.	Fig.	Name.	Locality.
13	iii	1-3	<b>Limnea megasoma</b> Say.	N. W. Terr., Vermont.
15	iii	4-5	<b>rugosa</b> Val.	Mexico.
16	iv		<b>jugularis</b> Say. <i>L. speciosus</i> Rossm. <i>stagnalis</i> (Sill. Journ.)	N. York, Mich., N. W. Terr., Oregon.
3	of cover		<b>Paludina rufa</b> Hald. (pl. iii, fig. 1.)	
3	"		<b>Anculosa fusca</b> Hald.	Oregon.
3	"		<b>Ancylus (Velletea) Nuttalli</b> Hald.	Oregon.
3	"		<b>diaphanus</b> Hald.	Ohio.
3	"		<b>Limnæa ferruginea</b> Hald.	Oregon.
3	"		<b>Physa (Diastrophia) integra</b> Hald.	Indiana.
3	"		<b>Melania varicosa</b> Ward. <i>M. rufula</i> Hald. (var.?)	Ohio.
3	"		<b>Bulimus vermetus</b> Anthony.	Ohio.
3	"		<b>Melania inflata</b> Hald.	Alabama river.
3	"		<b>curta</b> Hald.	Ohio river.
3	"		<b>Physa concolor</b> Hald.	Oregon.
3	"		<b>Anculosa (Mudalia) affinis</b> Hald.	Ohio.
4	"		<i>Paludina vitula</i> Raf. = <b>P. Bengalensis</b> .	
4	"		<i>Physa osculans</i> = <b>heterostropha</b> ?	

## No. IV.—January, 1842.

18	v		<b>Limnea appressa</b> Say. <i>L. speciosus</i> Ziegl.	Lake Superior to New England.
20	vi		<b>fragilis</b> Lin. <i>L. elodes</i> Say. <i>palustris</i> Sowb.	N. W. Terr., Can., Me., Mass., N. Y., L. Erie, Ohio, Pa., Oregon.
24	vii		<b>umbrosa</b> Say. <i>L. elongatus</i> Say.	Mo., N. Y., Ohio, Ind., Ill., Upper Canada.
26	viii		<b>reflexa</b> Say. <i>L. palustris</i> var. <i>distortus</i> Rossm. <i>exilis</i> Lea.	Ohio, Ind., Ill., N. Y., Lakes Erie and Sup.
28	ix	1-5	<b>attenuata</b> Say.	Mexico.
29	ix	6-8	<b>expansa</b> Hald.	Vermont.
31	x		<b>desidiosa</b> Say. <i>L. obrussa</i> Say? <i>acuta</i> Lea. <i>Philadelphica</i> Lea.	New England to Miss. river; lat. 35° to 45°.
3	of cover		<b>Anculosa crassa</b> Hald.	Clinch river? Tenn.
3	"		<b>Melania æqualis</b> Hald.	Nolachucky river.
3	"		<b>uncialis</b> Hald.	Beaver cr., N. E. Tenn.
3	"		<b>symmetrica</b> Hald.	Roanoke river, Va.
3	"		<b>bellacrenata</b> Hald.	Alabama.
3	"		<b>Limnea vitrea</b> Hald.	
3	"		<b>Amnicola attenuata</b> Hald.	Montgomery Co., Va.

Pa.	Pl.	Fig.	Name.	Locality.
3	of cover		<b>Amnicola pallida</b> <i>Hald.</i>	Vermont.
4	"		<b>galbana</b> <i>Hald.</i> (fossil.)	Sussex Co., N. Jersey.
4	"		<b>Sayana</b> <i>Anthony.</i>	
4	"		<b>Melania gracilis</b> vel <b>pulchella</b> <i>Anthony.</i>	Stark Co., O.
4	"		<b>approximata</b> <i>Hald.</i>	Tennessee.
4	"		<b>intersita</b> <i>Hald.</i>	Swan creek, Ind.
4	"		<b>Physa globosa</b> <i>Hald.</i>	Nolachucky river.
4	"		<b>Amnicola pallida</b> <i>Hald.</i>	Middlebury, Vt.
4	"		<b>Paludina carinata</b> <i>Val.</i> (vide supra) = <b>P. multicarinata.</b>	
4	"		<b>Pal. carinata</b> <i>Sw.</i> = <b>P. unicarinata.</b>	

## Part V.—July, 1842.

34	xi	1-9	<b>Limnea caperata</b> <i>Say.</i> <i>L. umbilicata</i> <i>Adams.</i>	Vt., Mass., Ind., Ohio, Ill., Pa.
36	xi	10-13	<b>solida</b> <i>Lea.</i> <i>L. apicina</i> <i>Lea.</i>	Oregon.
38	xii		<b>columella</b> <i>Say.</i> <i>L. chalybea</i> <i>Gould.</i> <i>navicula</i> <i>Val.</i> <i>acuminata</i> <i>Adams.</i> <i>macrostoma</i> <i>Say.</i> <i>coarctata</i> <i>Lea.</i> <i>succiniformis</i> <i>Adams, MSS.</i>	Me., Mass., Pa., Ohio, S. C., N. W. Terr.
41	xiii	1-8	<b>humilis</b> <i>Say.</i> <i>L. modicellus</i> <i>Say.</i> <i>parva</i> <i>Lea?</i>	Me. to S. C.; Ohio.
44	xiii	9, 10	<b>bulimoides</b> <i>Lea.</i>	Oregon.
45	xiii	11-13	<b>pallida</b> <i>Adams.</i>	Vermont.
47	xiii	14, 15	<b>vitrea</b> <i>Hald.</i>	Ohio? Missouri?
48	xiii	16-18	<b>desidiosa?</b> <i>L. obrussa</i> <i>Say.</i>	Philadelphia.
49	xiii	19, 20	<b>ferruginea</b> <i>Hald.</i>	Oregon.
50	xiii	21	<b>gracilis</b> <i>Jay.</i>	Lake Champlain.
51	xiii	22, 23	<b>galbana</b> <i>Say</i> (fossil?).	New Jersey.
52	xiv		<b>catascopium?</b> <i>L. decollata</i> <i>Mighels.</i>	Maine.
53	xv	1	<b>fragilis</b> <i>Lin.</i> <i>L. Nuttalli</i> <i>Lea.</i>	Oregon.

## No. VI.—January, 1843.

23	i		<b>Physa heterostropha</b> <i>Say.</i>	Ga., Me., Oregon, N. W.
	ii	1-9	<i>Lymnea heterostropha</i> <i>Say.</i> <i>Bulla fontinalis</i> <i>Chem.?</i>	Terr., Canada.



Pa.	Pl.	Fig.	Name.	Locality.
			<i>crassula</i> Dillw. ?	
			<i>Physa aurea</i> Lea.	
			<i>fontana</i> Hald.	
27	iii	1-10	<i>ancillaria</i> Say.	Del. and Conn. rivers.
			<i>P. Sayii</i> Tappan.	
29	ii	11-13	<i>osculans</i> Hald.	Mexico? India?
			<i>Bulla fontinalis</i> Chem. ?	
30	ii	10	<i>concolor</i> Hald.	Oregon.
31	iii	11-13	<i>fragilis</i> Mighels.	Maine.
32	iii	1-6	<i>gyrina</i> Say.	Mo., Ind., Ohio, Ver't,
			<i>P. elliptica</i> Lea.	Georgia.
33	iv	7-8	<i>integra</i> Hald.	Indiana.
34	iv	9	<i>scalaris</i> Jay.	Florida.
35	v	1-3	<i>distorta</i> Hald.	Mo., Ohio, Ky.
36	v	4-9	<i>hypnorum</i> Lin.	Mass., Vt., N. Y., West.
			<i>P. elongata</i> Say.	States, Oregon.
			<i>Aplexa hypnorum</i> Gray, &c.	
38	v	10-12	<i>globosa</i> Hald.	Nolachucky river.
			<i>Physella globosa</i> Hald.	
39	iv	12-14	<i>microstoma</i> Hald.	Kentucky, Ohio.
			<i>Physodon microstoma</i> Hald.	
4 of cover			<i>P. striata</i> and <i>P. subarata</i> Mke. = <b>P. heterostropha?</b>	
4	"		<i>Melania cruentata</i> Mke. = <b>Anculosa prærosa</b> Say.	
4	"		<i>livescens</i> Mke., <i>curta</i> Mke., and <i>fasciata</i> Mke. = <b>M. Vir-</b>	
			<b>ginica.</b>	
4	"		<i>Wardariana</i> Lea = <b>M. simplex</b> Say.	
4	"		<i>acuto-carinata</i> Lea = <b>M. simplex</b> Say.	
4	"		<i>Hildrethiana</i> Lea = <b>M. obovata</b> Say.	
4	"		<i>globula</i> Lea = <b>M. subglobosa</b> Say.	
4	"		<i>virgata</i> Lea = <b>M. subglobosa</b> Say.	
4	"		<i>Cincinnatiensis</i> Lea = <b>Anculosa prærosa</b> Say.	
4	"		<i>Anculosa dentata</i> Lea = <b>A. dentata</b> Couthouy.	
4	"		<i>Melania catenaria</i> Lea (name preoc.)	
4	"		<i>Lymnea fusiformis</i> Lea (name preoc.)	
4	"		<i>Io tenebrosa</i> Lea = <b>Fusus fluviatilis</b> Say.	
4	"		<i>Melania Kirtlandiana</i> Lea = <b>M. exilis</b> Hald.	
4	"		<i>Paludina angulata</i> Lea	} = <b>P. magnifica</b> Conr.
4	"		<i>coosüensis</i> Lea	
4	"		<i>bimonilifera</i> Lea	
No. VII.—January, 1844.				
6	i	1-6	<i>Planorbis bicarinatus</i> Say.	N. Engl. to Ga., N. W.
			<i>Helix angulatus</i> Rackett.	Terr. to Tenn.
			<i>P. engonatus</i> Conr.	
			<i>Helisoma bicarinata</i> Swainson.	

Pa.	Pl.	Fig.	Name.	Locality.
9	i	7-11	<b>Planorbis campanulatus</b> Say.	N. Engl., N. Y., Ohio, Ill., N. W. Terr.
11	ii	1-3	<b>glabratus</b> Say.	S. Car., Mexico? New Orleans, Oregon.
13	ii	4-7	<b>trivolvus</b> Say. <i>P. corpulentus</i> Whittemore. <i>regularis</i> Lea. <i>Bulla fluviatilis</i> Say.	New England, N. Y., Pa., N. W. Terr.
15	iii	1-3	<b>trivolvus</b> var. <b>fallax</b> . <i>P. lentus</i> Gould.	Mass., Lake Erie, Ind. ?
18	iii	4-6	<b>lentus</b> Say.	New Orleans, S. C.
19	iii	7-9	<b>corpulentus</b> Say.	N. W. Terr., Oregon.
21	iv	1-3	<b>exacutus</b> Say. <i>P. exacutus</i> Say (err. typ.) <i>lens</i> and <i>Brogniarti</i> Lea. <i>Paludina hyalina</i> Lea.	New England, N. York, Western States.
23	iv	16-18	<b>dilatatus</b> Gould. (preoc.?) <i>P. dilatatus</i> Hald.	Mass., O., Del. riv., Md.
25	iv	4-7	<b>deflectus</b> Say. <i>P. virens</i> Adams.	New England, Ohio, N. W. Terr.
27	iv	19-23	<b>parvus</b> Say. <i>P. elevatus</i> Adams.	East., Midd., & West. States, N. W. Terr.
29	iv	8-10	<b>albus</b> Müller. <i>P. hispidus</i> Drap. <i>hirsutus</i> Gld.	N. England, Lake Su- perior, &c.
30	iv	11-15	<b>armigerus</b> Say.	East., West., & Midd. States, N. W. Terr.
4	i	1	<b>Ancylus rivularis</b> Say.	Del. and Susq. rivers, var. in James river.
6	i	2	<b>depressus</b> Hald.	Holston river, Va.
7	i	3	<b>tardus</b> Say.	Wabash, Vermont.
8	i	4	<b>diaphanus</b> Hald.	Ohio.
9	i	5	<b>obscurus</b> Hald.	Nolachucky river.
10			<b>filosus</b> Conr.	Bl'k Warrior riv., Ala.
11	i	6	<b>parallelus</b> Hald. <i>A. rivularis</i> Gould non Say.	New England.
12	i	7	<b>fuscus</b> Adams.	Fresh pond, Cambridge, Mass.
14	i	8	<b>crassus</b> Hald.	Oregon.
			Index— <b>Planorbis parallelus</b> Say. = <b>Helix lineata</b> ?	
4	of cover		<b>Amnicola tenuipes</b> Couper.	Hopeton, Ga.
4	"		<b>Melania substricta</b> Hald.	Tennessee.
4	"		<b>conica</b> Say (name restored). <i>substricta</i> Hald. (withdrawn from the species).	
4	"		<i>pilula</i> Lea = <b>Anculosa littorina</b> Hald.	

## No. VIII. (No date.)

Pa.	Pl.	Fig.	Name.	Locality.
7	i	2, 3	<b>Amnicola decisa</b> Hald.	Susq. & Schuylk. rivs.
9	i	4	<b>Cincinnatiensis</b> Anthony. <i>Paludina Cincinnatiensis</i> Anth.	Cincinnati.
10	i	5, 6	<b>limosa</b> Say. <i>Paludina limosa</i> Say. <i>Pal. porata</i> Adams & Gould. <i>A. lustrica</i> Hald. in lett.	Maine to Penn'a and Ohio.
12	i	7	<b>pallida</b> Hald. <i>Pal. lustrica</i> Adams.	Lake Champlain.
13	i	8	<b>porata</b> Say. <i>Paludina porata</i> Say.	Cayuga Lake.
15	i	9	<b>galbana</b> Hald. (fossil).	Sussex Co., N. Jersey.
16			<b>lustrica</b> Say. <i>Paludina lustrica</i> Say.	Cayuga Lake.
17			<b>granum</b> Say. <i>Paludina grana</i> Say.	Philadelphia.
18	i	10	<b>lapidaria</b> Say. <i>Pal. lapidaria</i> Say.	East and west of Alleghanies.
19	i	11	<b>Sayana</b> Anthony, in lett. <i>Cyclostoma Cincinnatiensis</i> Lea.	Cincinnati.
21	i	12	<b>Nickliniana</b> Lea. <i>Paludina Nickliniana</i> Lea.	Virginia.
22	i	13	<b>attenuata</b> Hald. <i>A. elongata</i> in tab.	Montgomery Co., Va.
23	i	14-15	<b>tenuipes</b> Couper.	Georgia.
24			<b>orbiculata</b> Lea.	Ohio, Philadelphia.
24			<b>parva</b> Lea.	Springfield, Ohio.
24			<b>obtusa</b> Lea ( <i>Paludina</i> ).	Ohio.
5	i, ii		<b>Ampullaria depressa</b> Say. <i>A. paludosa</i> Say. <i>Hopetonensis</i> Lea.	Georgia, Florida.
8			<b>globosa</b> Swainson. <i>A. rotundata</i> Say.	Florida? Calcutta?
10			<b>flagellata</b> Say.	Mexico.
11			<b>urceus</b> Müller. <i>A. rugosa</i> Lam.	Mexico.
11			<b>Paludina intertexta</b> Say. = <b>Ampullaria?</b>	
11			<b>ponderosa</b> Say, is a true <b>Paludina</b> .	
3	i	1-4	<b>Valvata tricarinata</b> Say. <i>Cyclostoma tricarinata</i> Say. <i>Valvata carinata</i> Sowb. var. <b>simplex</b> Gould. var. ? <b>bicarinata</b> Lea. var. ? <b>unicarinata</b> De Kay.	N. England and Middle States, &c. Schuylkill river.

Pa.	Pl. Fig.	Name.	Locality.
6	i 5-10	<i>Valvata sincera</i> Say.	N. W. Terr., Vermont.
9		<i>humeralis</i> Say.	Mexico.
10	i 11-13	<i>pupoidea</i> Gould.	Boston.

In a Supplement to Part I.—October, 1840.

1		<i>Melania interrupta</i> Hald.	Tennessee.
1		<i>suturalis</i> Hald.	Ohio.
1		<i>exilis</i> Hald.	Kentucky and Ohio.
1		<i>substricta</i> Hald. for <i>M. conica</i> Say, preoce.	

Subgenera of **ANCULOSA**.

1		<i>Anculosa</i> Say.	
1		<i>Lithasia</i> Hald.	
1		<i>Paludomus</i> Sw.	
1		<i>Hemimitra</i> Sw.	
1		<i>Mudalia</i> Hald.	
1		<i>Anculosa</i> ( <i>Lithasia</i> ) <i>geniculata</i> Hald.	East Tennessee.
2		( <i>Mudalia</i> ) <i>turgida</i> Hald.	
2		<i>Limnea platystoma</i> Hald.	Vermont.
2		<i>expansa</i> Hald.	Vermont.
2		<i>Physa microstoma</i> Hald.	Kentucky and Ohio.
2		<i>distorta</i> Hald.	Ohio.
2		<i>Discus</i> Hald. = <i>Planorbula</i> Hald.	
2		<i>Spirorbis</i> Swains. = <i>Discus</i> .	
2		<i>Helisoma</i> .	
2		<i>Segmentina</i> .	

Subgenera of **PALUDINA**.

2		<i>Paludina</i> Lam.	
2		<i>Lutella</i> Hald.	
2		<i>Tulotoma</i> Hald.	
2		<i>Nematura</i> Benson.	
3		<i>Ammicola</i> G. and H.	

Specimen number of Haldeman's Monograph.—Jan. 1, 1840.

3	i 1	<i>Planorbis bicarinatus</i> Say.	
6		<i>Anculotus littorina</i> Hald.	Holston river, Va.

DR. **A. A. GOULD**.—(Am. Journal Sci. and Art, O. S., vol. xxxviii. Date of title, April, 1840.)

Page.	
193	<i>Delphinula minor</i> Adams = <i>Delphinoidea</i> ( <i>Helix</i> ) <i>corpuloides</i> Mont.

**T. J. Whittemore.**—(From same.) Notes on—

Page.	Name.	Locality.
193	<i>Planorbis corpulentus</i> .	Vermont.

**DR. A. A. Gould.**—(From same.) Descriptions of—

Page.	Name.	Page.	Name.
196	<i>Solecurtus nitidus</i> Gould.	196*	<i>Natica flava</i> Gould.
196	<i>Mactra ovalis</i> Gould.	197	<i>canaliculata</i> Gould.
196	<i>Bulla debilis</i> Gould.	197	<i>Lacuna neritoidea</i> Gould.
196	<i>obstricta</i> Gould.	197	<i>Fusus scalariformis</i> Gould.
196	<i>Limnæa chalybea</i> Gould.	197	<i>tornatus</i> Gould.
196	<i>Valvata pupoidea</i> Gould.	197	<i>Buccinum roseceum</i> Gould.
196	<i>Planorbis hirsutus</i> Gould.		

Page.	Name.	Locality.
396	Notes on <i>Murex tricolor</i> .	California.
396	“ <i>bicolor</i> .	California.
396	“ <i>Cardium californianum</i> .	California.
396	“ <i>Trochus vittatus</i> .	California.
396	“ <i>Bulimus undatus</i> .	California.

**PROF. C. B. Adams.**—(From same.)

Page.	Name.	Locality.
396	Notes on <i>Jaminia producta</i> Adams.	Andover, Mass.
396	“ <i>Ancylus fuscus</i> Adams.	Andover, Mass.
396	“ <i>Pleurotoma plicata</i> Adams.	New Bedford.
396	“ <i>Tornatella puncto-striata</i> Adams.	New Bedford.
396	“ <i>Pholas costatus</i> .	New Bedford.

**Kirtland.**—Fragments of Natural History: by J. P. KIRTLAND, M. D., Prof. Theol. and Prac. Phys., in Med. Coll. Ohio, Cincinnati. No. 1. Habits of the Naiades. (Am. Journ. Sci. and Art, O. S., vol. xxxix, No. 1, pp. 164-168. April-June, 1840.

[Notes on sexual difference and byssus, with a list of species of *Unio*, *Alasmodon*, and *Anodon* examined.]

Page.	Name.
165	<i>Unio pileus</i> Lea is male of <i>U. personatus</i> Say.
165	<i>tenuissimus</i> Lea is female of <i>U. velum</i> Say.
165	<i>donaciformis</i> is female of <i>Zigzag</i> .
165	<i>Margaritana deltoidea</i> Lea is male of <i>Alasmodon calceola</i> Lea.
167	<i>Unio zigzag</i> (young), figure a. b.

**Anthony.**—List of Land and Fresh-water Shells found chiefly in the vicinity of Cincinnati: by J. G. ANTHONY. (No date given; no descriptions.)

No.		No.	
1	<i>Helix albolabris Say.</i>	4	<i>Pupa modesta Say.</i>
2	<i>appressa Say.</i>	1	<i>Succinea avara Say.</i>
3	<i>alternata Say.</i>	2	<i>campestris Say.</i>
4	<i>arborea Say.</i>	3	<i>ovalis Say.</i>
5	<i>concava Say.</i>	1	<i>Valvata sincera Say.</i>
6	<i>chersina Say.</i>	2	<i>tricarinata Say.</i>
7	<i>clausa Say.</i>	1	<i>Amnicola integra Say.</i>
8	<i>elevata Say.</i>	2	<i>lapidaria Say.</i>
9	<i>electrina Gould.</i>	3	<i>lustrica Say.</i>
10	<i>fuliginosa Griff.</i>	1	<i>Cyclostoma Cincinnatiensis</i>
11	<i>fraterna Say.</i>		<i>Lea.</i>
12	<i>fallax Say.</i>	1	<i>Anculosa prærosa Say.</i>
13	<i>glaphira Say.</i>	1	<i>Physa ancillaria Say.</i>
14	<i>hirsuta Say.</i>	2	<i>elongata Say.</i>
15	<i>inornata Say.</i>	3	<i>heterostropha Say.</i>
16	<i>indentata Say.</i>	4	<i>gyrina Say.</i>
17	<i>inflecta Say.</i>	1	<i>Paludina ponderosa Say.</i>
18	<i>interna Say.</i>	2	<i>integra Say.</i>
19	<i>ligera Say.</i>	3	<i>limosa Say.</i>
20	<i>labyrinthica Say.</i>	4	<i>subcarinata Say.</i>
21	<i>lineata.</i>	5	<i>pallida Lea.</i>
22	<i>limatula Ward.</i>	1	<i>Limnea columella Say.</i>
23	<i>Leai Ward.</i>	2	<i>caperata Say.</i>
24	<i>minuta Say.</i>	3	<i>desiduosa Say.</i>
25	<i>multilineata Say.</i>	4	<i>elodes Say.</i>
26	<i>minuscula Binney.</i>	5	<i>humilis Say.</i>
27	<i>profunda Say.</i>	6	<i>jugularis Say.</i>
28	<i>palliata Say.</i>	7	<i>reflexa Say.</i>
29	<i>perspectiva Say.</i>	8	<i>umbrosa Say.</i>
30	<i>Pennsylvanica Green.</i>	1	<i>Planorbis armigerus Say.</i>
31	<i>ruderata Studer.</i>	2	<i>bicarinatus Say.</i>
32	<i>solitaria Say.</i>	3	<i>campanulatus Say.</i>
33	<i>suppressa Say.</i>	4	<i>corpulentus Say.</i>
34	<i>diodonta Say.</i>	5	<i>concava Anthony.</i>
35	<i>thyroideus Say.</i>	6	<i>deflectus Say.</i>
36	<i>tridentata Say.</i>	7	<i>Brogniartiana Lea.</i>
37	<i>zaleta Say.</i>	8	<i>lentus Say.</i>
38	<i>intertexta Binney.</i>	9	<i>parvus Say.</i>
1	<i>Pupa armifera Say.</i>	10	<i>trivolvus Say.</i>
2	<i>contracta Say.</i>	1	<i>Melania canaliculata Sayf.</i>
3	<i>exigua Say.</i>	2	<i>conica Say.</i>

No.		No.	
3	<i>Melania depygis Say.</i>	36	<i>Unio metanevra Raf.</i>
4	<i>Kirtlandiana Lea.</i>	37	<i>monodontus Say.</i>
5	<i>excurata Conrad.</i>	38	<i>nasutus Say.</i>
6	<i>gracilis Anthopy.</i>	39	<i>occidens Lea.</i>
7	<i>Sayii Wood.</i>	40	<i>Ovatus Say.</i>
8	<i>undulata Say.</i>	41	<i>pustulosus Lea.</i>
9	<i>varicosa Ward.</i>	42	<i>perplexus Lea.</i>
1	<i>Cyclas dubia Say.</i>	43	<i>pyramidatus Lea.</i>
2	<i>partumeia Say.</i>	44	<i>pustulatus Lea.</i>
3	<i>similis Say.</i>	45	<i>pileus Lea.</i>
4	<i>rhomboidea Say.</i>	46	<i>phaseolus Hildreth.</i>
1	<i>Unio alatus Say.</i>	47	<i>parvus Barnes.</i>
2	<i>abruptus Say.</i>	48	<i>personatus Say</i>
3	<i>anodontoides Lea.</i>	49	<i>plicatus Say.</i>
4	<i>arctior Lea.</i>	50	<i>politus Say.</i>
5	<i>asperimus Lea.</i>	51	<i>ridibundus Say.</i>
6	<i>Æsopus Green.</i>	52	<i>rectus Lam.</i>
7	<i>crassus Say.</i>	53	<i>rangianus Lea.</i>
8	<i>cicatricosus Say.</i>	54	<i>rubiginosus Lea.</i>
9	<i>cylindricus Say.</i>	55	<i>subovatus Lea.</i>
10	<i>circulus Lea.</i>	56	<i>Schoolcraftensis Lea.</i>
11	<i>compressus Lea.</i>	57	<i>securis Lea.</i>
12	<i>coccineus Lea.</i>	58	<i>sulcatus Lea.</i>
13	<i>Cooperianus Lea.</i>	59	<i>siliquoideus Barnes.</i>
14	<i>clavus Lam.</i>	60	<i>Sayii Ward.</i>
15	<i>cuneatus Barnes.</i>	61	<i>triangularis Barnes.</i>
16	<i>cornutus Barnes.</i>	62	<i>tuberculatus Barnes</i>
17	<i>dehiscens Say.</i>	63	<i>torsa Raf.</i>
18	<i>ebenus Lea.</i>	64	<i>trigonis Lea.</i>
19	<i>elegans Lea.</i>	65	<i>tenuissimus Lea.</i>
20	<i>ellipsis Lea.</i>	66	<i>undatus Barnes.</i>
21	<i>fabalis Lea.</i>	67	<i>verrucosus Barnes.</i>
22	<i>formosus Lea.</i>	68	<i>zigzag Lea.</i>
23	<i>foliatus Hildreth.</i>	1	<i>Alasmodonta ambigua Say.</i>
24	<i>fragosa Conrad.</i>	2	<i>calceola Lea.</i>
25	<i>gibbosus Barnes.</i>	3	<i>deltoides Lea.</i>
26	<i>gracilis Barnes.</i>	4	<i>complanata Lea.</i>
27	<i>Graniferus Lea.</i>	5	<i>rugosa Lea.</i>
28	<i>glans Lea.</i>	6	<i>truncata Say.</i>
29	<i>Hildrethianus Lea.</i>	1	<i>Anodonta edentula Say.</i>
30	<i>heros Say.</i>	2	<i>Ferussaciana Lea.</i>
31	<i>irroratus Lea.</i>	3	<i>Wardiana? Lea.</i>
32	<i>iris Lea.</i>	4	<i>plana Lea.</i>
33	<i>lævissimus Lea.</i>	5	<i>pavonia Lea.</i>
34	<i>lachrymosus Lea.</i>	6	<i>imbecilis Say.</i>
35	<i>multiradiatus Lea.</i>		

Second edition of same. Cincinnati, Jan. 1, 1843.

No.		No.	
1	<b>Ammicola Cincinnatiensis</b> <i>Anthony.</i> <i>Paludina Cincinnatiensis</i> <i>Anthony.</i>	24	<b>Helix elevata</b> <i>Say.</i> <i>H. Knoxvilliana</i> Ferussac.
2	<b>integra</b> <i>Say.</i> <i>Melania integra</i> <i>Say.</i>	25	<b>fallax</b> <i>Say.</i>
3	<b>Ammicola lapidaria</b> <i>Say.</i> <i>Cyclostoma lapidaria</i> <i>Say.</i>	26	<b>fraterna</b> <i>Say.</i> <i>H. monodon</i> Wood. <i>convexa</i> Deshayes.
4	<b>lustrica</b> <i>Say.</i> <i>Paludina lustrica</i> <i>Say.</i>	27	<b>fuliginosa</b> <i>Griffith.</i> <i>H. lucubrata</i> <i>Say.</i> <i>lævigata</i> Ferussac.
5	<b>Sayana</b> <i>Anthony.</i> <i>Cyclostoma Sayana</i> Anth. <i>Cincinnatiensis</i> Lea.	28	<b>hirsuta</b> <i>Say.</i> <i>H. fraterna</i> Wood.
6	<b>Anculosa costata</b> <i>Anthony.</i>	29	<b>indentata</b> <i>Say.</i>
7	<b>isogona</b> <i>Say.</i> <i>Melania isogona</i> <i>Say.</i> <i>Paludina pallida</i> Lea.	30	<b>inflecta</b> <i>Say.</i> <i>H. clausa</i> Ferussac.
8	<b>prærorsa</b> <i>Say.</i> <i>Melania Cincinnatiensis</i> Lea.	31	<b>inornata</b> <i>Say.</i>
9	<b>Ancylus diaphanus</b> <i>Hald.</i>	32	<b>interna</b> <i>Say.</i> <i>H. pomum-Adami</i> Green.
10	<b>rivularis</b> <i>Say.</i>	33	<b>intertexta</b> <i>Binney.</i>
10½	<b>tardus</b> <i>Say.</i>	34	<b>labyrinthica</b> <i>Say.</i>
11	<b>Bulimus lubricus</b> <i>Bruguiere.</i>	35	<b>liger</b> <i>Say.</i> <i>H. Rafinesquea</i> Ferussac. <i>Wardiana</i> Lea.
12	<b>vermetus</b> <i>Anthony.</i>	36	<b>limatula</b> <i>Ward.</i>
13	<b>Cyclas dubia</b> <i>Say.</i>	37	<b>lineata</b> <i>Say.</i>
14	<b>partumeia</b> <i>Say.</i>	38	<b>minuscula</b> <i>Binney.</i> <i>H. minutissima</i> Lea.
15	<b>similis</b> <i>Say.</i> <i>C. sulcata</i> Lam.	39	<b>monodon</b> <i>Rackett.</i> <i>H. Leaii</i> Ward.
16	<b>Helix albolabris</b> <i>Say.</i>	40	<b>multilineata</b> <i>Say.</i>
17	<b>alternata</b> <i>Say.</i> <i>H. scabra</i> Lam. <i>radiata</i> Gmelin.	41	<b>palliat</b> <i>Say.</i> <i>H. obstricta</i> <i>Say.</i> <i>denotata</i> Ferussac. <i>Carocola helicoides</i> Lea. <i>Carolinensis</i> Lea.
18	<b>appressa</b> <i>Say.</i> <i>H. linguifera</i> Ferussac.	42	<b>Pennsylvanica</b> Green.
19	<b>arborea</b> <i>Say.</i>	43	<b>perspectiva</b> <i>Say.</i> <i>H. parvula</i> Deshayes.
20	<b>clausa</b> <i>Say.</i> <i>H. Mitchelliana</i> Lea. <i>Mobiliana</i> Lea.	44	<b>profunda</b> <i>Say.</i> <i>H. Richardi</i> Lam.
21	<b>chersina</b> <i>Say.</i>	45	<b>pulchella</b> <i>Muller.</i> <i>H. minuta</i> <i>Say.</i> <i>paludosa</i> Montagu.
22	<b>conca</b> <i>Say.</i> <i>H. planorboides</i> Ferussac.	46	<b>Sayii</b> <i>Binney.</i> <i>H. diodonta</i> <i>Say.</i>
23	<b>electrina</b> <i>Gould.</i>		



- |     |                                     |     |                                    |
|-----|-------------------------------------|-----|------------------------------------|
| No. |                                     | No. |                                    |
| 47  | <b>Helix solitaria</b> Say.         | 80  | <b>Planorbis campanulatus</b> Say. |
| 48  | <b>striatella</b> Anthony.          | 81  | <b>concauus</b> Anthony.           |
| 49  | <b>suppressa</b> Say.               | 82  | <b>corpulentus</b> Say.            |
| 50  | <b>tridentata</b> Say.              | 83  | <b>deflectus</b> Say.              |
| 51  | <b>thyroideus</b> Say.              | 84  | <b>dilatatus</b> Gould.            |
| 52  | <b>zaleta</b> Say.                  |     | <i>P. lens</i> (preoccupied) Lea.  |
| 53  | <b>Limnea caperata</b> Say.         | 85  | <b>exacutus</b> Say.               |
| 54  | <b>decidiosa</b> Say.               |     | <i>Paludina hyalina</i> Lea.       |
|     | <i>L. acuta</i> Lea.                | 86  | <b>lentus</b> Say.                 |
|     | <i>Philadelphica</i> Lea.           | 87  | <b>parvus</b> Say.                 |
| 55  | <b>elodes</b> Say.                  | 88  | <b>trivolvus</b> Say.              |
| 56  | <b>humilis</b> Say.                 | 89  | <b>Pupa albilabris</b> Ward.       |
|     | <i>L. parva</i> Lea.                |     | <i>Cyclostoma marginata</i> Say.   |
| 57  | <b>reflexa</b> Say.                 | 90  | <b>armifera</b> Say.               |
|     | <i>L. exilis</i> Lea.               | 91  | <b>contracta</b> Say.              |
| 58  | <b>jugularis</b> Say.               | 92  | <b>corticaria</b> Say.             |
|     | <i>L. speciosa</i> Rossmasler.      | 93  | <b>exigua</b> Say.                 |
| 59  | <b>umbrosa</b> Say.                 | 94  | <b>modesta</b> Say.                |
| 59½ | <b>columella</b> Say.               | 94½ | <b>pentodon</b> Say.               |
|     | <i>L. chalybea</i> Gould.           | 95  | <b>Succinea campestris</b> Say.    |
| 60  | <b>Melania canaliculata</b> Say.    |     | <i>S. obliqua</i> Say.             |
| 61  | <b>conica</b> Say.                  |     | <i>retusa</i> Lea.                 |
| 62  | <b>depygis</b> Say.                 | 96  | <b>avara</b> Say.                  |
| 63  | <b>exilis</b> Hald.                 | 97  | <b>ovalis</b> Say.                 |
|     | <i>M. Kirtlandianus</i> Lea.        |     | <i>S. aurea</i> Lea.               |
| 64  | <b>gracilis</b> Anthony.            | 98  | <b>Valvata sincera</b> Say.        |
| 65  | <b>Sayii</b> Wood.                  | 99  | <b>tricarinata</b> Say.            |
| 66  | <b>excurata</b> Conr.               |     | <i>V. bicarinata</i> Lea.          |
| 67  | <b>undulata</b> Say.                | 100 | <b>Unio alasmodontinus</b> Barn.   |
| 68  | <b>varicosa</b> Ward.               |     | <i>U. compressus</i> Lea.          |
| 69  | <b>Paludina heterostropha</b> Kirt. | 101 | <b>alatus</b> Say.                 |
| 70  | <b>integra</b> Say.                 |     | <i>U. megapterus</i> Raf.          |
| 71  | <b>ponderosa</b> Say.               | 102 | <b>bullatus</b> Raf.               |
| 72  | <b>subcarinata</b> Say.             |     | <i>U. prasinus</i> Conrad.         |
| 72½ | <b>decisa</b> Say.                  |     | <i>Schoolcraftensis</i> Lea.       |
| 73  | <b>Physa ancillaria</b> Say.        |     | <i>pustulosus</i> Lea.             |
| 74  | <b>elongata</b> Say.                |     | <i>Dorfeuillanus</i> Lea.          |
| 75  |                                     | 103 | <b>cardium</b> Raf.                |
| 76  | <b>gyrina</b> Say.                  |     | <i>U. ventricosus</i> Barnes.      |
|     | <i>P. elliptica</i> Lea.            |     | <i>occidens</i> Lea.               |
| 77  | <b>heterostropha</b> Say.           |     | <i>subovatus</i> Lea.              |
|     | <i>P. aurea</i> Lea.                |     | <i>dolabraformis</i> Lea.          |
| 78  | <b>Planorbis armigerus</b> Say.     | 104 | <b>cicatricosus</b> Say.           |
| 79  | <b>bicarinatus</b> Say.             |     | <i>U. varicosus</i> Lea.           |

- | No. |  | No. |   |
|-----|--|-----|---|
| 105 | <b>Unio cuneatus Raf.</b><br><i>U. modioliformis</i> Say.<br><i>scalenius</i> Raf.<br><i>patulus</i> Lea.<br><i>decisus</i> Lea.   |     | <i>U. Troostensis</i> Lea.  |
| 106 | <b>crassus Say.</b><br><i>U. ellipsarius</i> Raf.<br><i>fasciatus</i> Raf. (young).<br><i>ligamentina</i> Lam.<br><i>carinatus</i> Barnes.<br><i>ellipticus</i> Barnes.<br><i>venustus?</i> Lea. | 119 | <b>Unio leptodon Raf.</b><br><i>U. planus</i> Barnes.<br><i>velum</i> Say (female).<br><i>purpurascens</i> Swains.<br><i>tenuissimus</i> Lea. |
| 107 | <b>cylindricus Say.</b><br><i>U. solenoides</i> Raf.<br><i>naviformis</i> Lam.   | 120 | <b>lineolatus Raf.</b><br><i>U. depressus</i> Raf.<br><i>securis</i> Lea.   |
| 108 | <b>cyphius Raf.</b><br><i>U. Æsopus</i> Green.   | 121 | <b>metanevrus Raf.</b><br><i>U. nodosus</i> Barnes.   |
| 109 | <b>dilatatus Raf.</b><br><i>U. gibbosus</i> Barnes.<br><i>nasutus</i> Lam.<br><i>arctior</i> Lea.  | 122 | <b>monodontus Say.</b><br><i>U. soleniformis</i> Lea.   |
| 110 | <b>flavus Raf.</b><br><i>U. rubiginosus</i> Lea.<br><i>trigonus</i> Lea.   | 123 | <b>mytiloides Raf.</b><br><i>U. cordatus</i> Raf. (young).<br><i>undatus</i> Barnes.<br><i>pyramidatus</i> Lea.<br><i>solidus</i> Lea.        |
| 111 | <b>fasciolus Raf.</b><br><i>U. multiradiatus</i> Lea.  | 124 | <b>nasutus Say.</b><br><i>U. rostratus</i> Val.<br><i>Vaughanianus?</i> Lea.  |
| 112 | <b>fasciolaris Raf.</b><br><i>U. phaseolus</i> Hild.<br><i>planulatus</i> Lea.<br><i>camelus</i> Lea.  | 125 | <b>nervosus Raf.</b><br><i>U. donaciformis</i> Lea.<br><i>zig-zag</i> Lea.  |
| 113 | <b>flexuosus Raf.</b><br><i>U. foliatus</i> Hild.  | 126 | <b>nigrum Raf.</b><br><i>U. cuneatus</i> Barnes.<br><i>gibber</i> Lea.  |
| 114 | <b>fragilis Raf.</b><br><i>U. gracilis</i> Barnes.   | 127 | <b>nodulatus Raf.</b><br><i>U. pustulatus</i> Lea.  |
| 115 | <b>fragosus Conr.</b>  | 128 | <b>obliquatus Raf.</b><br><i>U. sulcatus</i> Lea.<br><i>ridibundus</i> Say (fem.)   |
| 116 | <b>gibbosus Raf.</b><br><i>U. torulosus</i> Raf.<br><i>perplexus</i> Lea.<br><i>rangianus</i> Lea.<br><i>capsæformis</i> Lea.  | 129 | <b>obovalis Raf.</b><br><i>U. ebenus</i> Lea.   |
| 117 | <b>heros Say.</b><br><i>U. undulatus</i> Say.<br><i>multiplicatus</i> Lea.   | 130 | <b>Ohioensis Raf.</b><br><i>U. levissimus</i> Lea.<br><i>inflatus</i> Lea.  |
| 118 | <b>lapillus Say.</b><br><i>U. fabalis</i> Lea.   | 131 | <b>olivarius Raf.</b><br><i>U. ellipsis</i> Lea.  |
|     |  | 132 | <b>orbiculatus Hild.</b><br><i>U. abruptus</i> Say.   |
|     |  | 133 | <b>ovatus Say.</b><br><i>U. globosus</i> Lea (female).<br><i>capax</i> Green (female).  |
|     |  | 134 | <b>parvus Barnes.</b>   |

- |      |   |      |   |
|------|---|------|---|
| No.  |   | No.  |   |
| 134½ | <b>Unio personatus</b> Say<br>(female).<br><i>U. capillaris</i> Say (fem.)<br><i>pileus</i> Lea (male).<br><i>plenus</i> Lea (male).<br><i>Sowerbianus</i> Lea. | 149  | <b>Unio triquetrus</b> Raf.<br><i>U. cuneatus</i> Swainson.<br><i>triangularis</i> Bar. (fem.)<br><i>formosus</i> Lea (male).   |
| 135  | <b>plicatus</b> Say.<br><i>U. rariplicatus</i> Lam.<br><i>costatus</i> Raf.<br><i>Peruvianus</i> Lam.   | 150  | <b>truncatus</b> Raf.<br><i>U. elegans</i> Lea.   |
| 136  | <b>politus</b> Say.<br><i>U. subrotundus</i> Lea.<br><i>Kirtlandianus</i> Lea.  | 151  | <b>tuberculatus</b> Raf.<br><i>U. tuberculosus</i> Val.<br><i>verrucosus</i> Barnes.<br><i>U. graniferus</i> Lea (y'ng).  |
| 137  | <b>quadrolus</b> Raf.<br><i>U. rugosus</i> Barnes.<br><i>lachrymosus</i> Lea.<br><i>asperrimus</i> Lea.   | 152  | <b>undulatus</b> Barnes.  |
| 138  | <b>rubrum</b> Raf.<br><i>U. coccineus</i> Hild.<br><i>Gouldianus</i> Ward, old.<br><i>catillus</i> Conr.  | 153  | <b>verrucosus</b> Raf.<br><i>U. tuberculatus</i> Barnes.  |
| 139  | <b>reflexus</b> Raf.<br><i>U. cornutus</i> Barnes.  | 154  | <b>Anodonta cataracta</b> Say.<br><i>A. exilis</i> Lea.<br><i>salmonea</i> Lea.<br><i>Pepiniana</i> Lea.  |
| 140  | <b>rectus</b> Lam.<br><i>U. latissimus</i> Raf.<br><i>pralongus</i> Barnes.   | 155  | <b>Ferussaciana</b> Lea.<br><i>A. ferruginea</i> Lea.   |
| 141  | <b>Sayi</b> Ward.   | 156  | <b>grandis</b> Say.<br><i>A. plana</i> Lea.<br><i>decora</i> Lea (young).<br><i>gigantea</i> Lea.   |
| 142  | <b>siliquoideus</b> Barnes.<br><i>U. inflatus</i> Barnes<br>(female).<br><i>hydlanus</i> Lea.   | 157  | <b>imbecilis</b> Say.<br><i>A. incerta</i> Lea.   |
| 143  | <b>stegarius</b> Raf.<br><i>U. irroratus</i> Lea.   | 158  | <b>lata</b> Raf.<br><i>U. dehiscens</i> Say.<br><i>oriens</i> Lea.  |
| 144  | <b>striatus</b> Raf.<br><i>U. Cooperianus</i> Lea.  | 158½ | <b>Alasmodonta ambigua</b> Say.<br><i>U. Hildrethianus</i> Lea.   |
| 145  | <b>subrostratus</b> Say.<br><i>U. iris</i> Lea.   | 159  | <b>calceola</b> Lea.<br><i>A. deltoidea</i> Lea.  |
| 146  | <b>subrotundus</b> Raf.<br><i>U. circulus</i> Lea.<br><i>lens</i> Lea.  | 160  | <b>complanata</b> Barnes.   |
| 147  | <b>teres</b> Raf.<br><i>U. anodontoides</i> Lea.  | 161  | <b>costata</b> Raf.<br><i>A. rugosa</i> Barnes.   |
| 148  | <b>torsus</b> Raf.  | 162  | <b>edentula</b> Say.<br><i>Anodonta undulata</i> Say.<br><i>areolata</i> ? Swains.<br><i>rugosa</i> Swains.<br><i>Wardiana</i> Lea.<br><i>pavonia</i> Lea.<br><i>Buchanensis</i> Lea. |
|      |   | 163  | <b>truncata</b> Say.  |

**Haldeman.**—Observations on the Melanians of Lamarck: by S. S. HALDEMAN. (Am. Journ. Sci. and Art, O. S., xli, No. 1, pp. 21-23. April-June, 1841.)

Page 22. Description of animal of *Melania Virginica*.

**Nicklin.**—DES MOULINS' General Considerations on restricting the number of species of the Genera Unio and Anodonta: translated from the French by PHILIP H. NICKLIN, A. M. (Same as last article, pp. 104-116.)

**H. C. Lea.**—Description of eight new species of shells native to the United States: by H. C. LEA, Philadelphia. (In the American Journal of Science, O. S., vol. xlii, No. 1, Oct.-Dec., 1841. With one plate.)

Page.	Pl.	Fig.	Name.	Locality.
106	i	1	<i>Cyrena purpurea</i> H. C. Lea.	Delaware bay.
107	i	2	<i>Modiola elliptica</i> H. C. Lea.	Delaware bay.
107	i	3	<i>pulex</i> H. C. Lea.	Delaware bay.
108	i	4	<i>Crepidula acuta</i> H. C. Lea.	Delaware bay.
109	i	5	<i>Carychium exile</i> H. C. Lea.	Wissahiccon cr., Phila.
110	i	6	<i>Pasithea sordida</i> H. C. Lea.	Near Boston.
111	i	7	<i>Actæon parvus</i> H. C. Lea.	Delaware bay.
111	i	8	<i>Cerithium cancellatum</i> H. C. Lea.	Delaware bay.

On p. 106, the following species are quoted by name only from Delaware bay:—

<i>Actæon trifidus</i> Totten.	<i>Cerithium Greenii</i> .
<i>Cerithium terebrale</i> .	<i>Ostrea Canadensis</i> .
<i>nigrocinctum</i> .	

—On page 391 of this volume is a receipt for the preparation of fresh-water shells for the cabinet.

**Adams.**—On page 392 is a "Note on Mr. H. C. Lea's paper in the last number of this Journal:" by C. B. ADAMS.

Page 392. *Pasithea sordida* = *Actæon trifidus* Totten. (*Odostomia trifida* Gould.)

It is also said not to come from Boston; and, also, *Cerithium Sayii* is not from Boston.

**Adams.**—Catalogue of the Mollusca of Middlebury, Vermont, and vicinity; with observations: by C. B. ADAMS, Prof. Chem. and Nat. Hist. Middlebury College, Member Bost. Soc. Nat. Hist. (From Am. Journ. Sci., O. S., vol. xl, No. 2, pp. 266–277. January–March, 1841.)

[NOTE.—No descriptions are given, but very full remarks on locality, habits, &c. The paper was also published in pamphlet form, page 256 of the Journal being page 3 of the pamphlet.—W. G. B.]

Page.		Page.	
266	<b>Melania depygis</b> Say.	271	<b>Pupa badia</b> Adams.
266	<b>Faludina decisa</b> Say.	271	<b>albilabris</b> Ward's letter.
267	<b>lustrica</b> Say.		<i>Cyclostoma marginata</i> S.
267	<b>Valvata tricarinata</b> Say.	271	<b>ovata</b> Say.
267	<b>sincera</b> Say (with descr. of animal).		<i>Vertigo ovata</i> Say.
267	<b>Limnæa megasoma</b> Say.	271	<b>contracta</b> Say.
267	<b>appressa</b> Say.	271	<b>exigua</b> Say.
267	<b>gracilis</b> Jay.	271	<b>milium</b> Gould.
268	<b>pallida</b> Adams.	272	<b>Helix albolabris</b> Say.
268	<b>elodes</b> Say.	272	<b>thyroidus</b> Say.
268	<b>umbrosa</b> Say?	272	<b>palliata</b> Say.
	( <i>L. plebeia</i> Gould MSS.)	272	<b>monodon</b> Rackett.
268	<b>desidiosa</b> Say.		<i>H. fraterna</i> Say.
268	<b>caperata</b> Say.	272	<b>concava</b> Say.
268	<b>Physa ancillaria</b> Say.	272	<b>pulchella</b> Müll.
268	<b>heterostropha</b> Say.	273	<b>Sayii</b> Binney.
268	<b>gyrina</b> Say?	273	<b>tridentata</b> Say.
269	<b>elongata</b> Say.	273	<b>labyrinthica</b> Say.
269	<b>Planorbis corpulentus</b> Say.	273	<b>indentata</b> Say.
	<i>P. lentus</i> Say.	273	<b>arborea</b> Say.
269	<b>campanulatus</b> Say.	273	<b>inornata</b> Say.
269	<b>bicarinatus</b> Say.	273	<b>alternata</b> Say.
269	<b>armigerus</b> Say.	273	<b>chersina</b> Say.
269	<b>exacuus</b> Say ( <i>exacutus</i> ?)	273	<b>lineata</b> Say.
269	<b>parvus</b> Say.	273	<b>striatella</b> Anthony.
270	<b>elevatus</b> Adams.	273	<b>fuliginosa</b> Griffith.
270	<b>hirsutus</b> Gould.	273	<b>electrina</b> Gould.
270	<b>deflectus</b> Say.		<i>H. Janus</i> Ad. MSS.
270	<b>Succinea obliqua</b> Say.	274	<b>multidentata</b> Binney.
	<i>S. campestris</i> Say?	274	<b>minuscula</b> Binney.
270	<b>ovalis</b> Say.	274	<b>Vitrina pellucida</b> Drap.
270	<b>avara</b> Say.	275	<b>Ancylus parallelus</b> Hald.
	<i>S. vermeta</i> (young).	275	<b>tardus</b> Say.
270	<b>Bulimus lubricus</b> Drap.	275	(Two unknown <b>Limacea</b> , one evidently <b>Tebennophorus Carolinensis</b> .—W. G. B.)
271	<b>Pupa armifera</b> Say.		

Page.		Page.	
276	<b>Anodonta Benedictensis</b>	276	<b>Unio compressus</b> <i>Lea.</i>
	<i>Lea.</i>	276	<b>rectus</b> <i>Lam.</i>
276	<b>cataracta</b> <i>Say.</i>	276	<b>ventricosus</b> <i>Barnes.</i>
276	<b>Wardiana</b> <i>Lea?</i>	276	<b>luteolus</b> <i>Lam.</i>
276	<b>Alasmodonta arcuata</b> <i>Barn.</i>	276	<b>complanatus</b> <i>Lea.</i>
276	<b>rugosa</b> <i>Barnes.</i>	277	<b>Cyclas elegans</b> <i>Adams.</i>
276	<b>undulata</b> <i>Say.</i>	277	<b>rhomboida</b> <i>Say.</i>
276	<b>Unio alatus</b> <i>Say.</i>	277	<b>partumeia</b> <i>Say.</i>
276	<b>gracilis</b> <i>Barnes.</i>	277	<b>calyculata</b> <i>Drap.</i>
277	Remarks on geographical distribution of the above species.		

On page 408 of the same volume, in a supplementary note to the above article, are notes of **Pupa milium** and *Helix striatella*, the last being placed in the synonymy of **Helix ruderata** *Studer.*

**Gould.**—Report on the Invertebrata of Massachusetts, comprising the Mollusca, Annelida, and Radiata. Published agreeably to an order of the Legislature, &c.: by A. A. GOULD, M. D. Cambridge, 1841.

### MOLLUSCA.

Pa. Fig.		Pa. Fig.	
3	<b>Limax togata</b> <i>Gould.</i>	6	<b>Eolis Bostoniensis</b> <i>Gould.</i>
3	<b>tunicata</b> <i>Gould.</i>		<i>E. rufibranchialis</i> <i>Johnston?</i>
4	<b>Doris illuminata</b> <i>Gould.</i>	6	<b>salmonacea</b> <i>Couth.</i>
5	<b>Tritonia arborescens</b> <i>Cuv.</i>	6	<b>diversa</b> <i>Couth.</i>
	<i>Doris arborescens</i> <i>Müll.</i>	7	<b>gymnota</b> <i>Couth.</i>
	<i>Tritonia Reynoldsii</i> <i>Couth.</i>		

### CLASS CONCHIFERA.

#### Family **Tubicolaria** *Lam.*

26 **Teredo navalis** *Lin.*

#### Family **Pholadaria** *Lam.*

27 **Pholas costata** *Lin.*

27 **crispata** *Lin.*

*P. bifrons* *Da Costa.*

*latus* *Lister.*

#### Family **Solenacea** *Lam.*

28 **Solen ensis** *Lin.*

*S. curvus* *Lister.*

30 **Solecurtus (Cultellus) Caribæus** *Chemn.*

*Solen caribæus* *Lam.*

*Solecurtus Caribæus* *Conr.*

*Guineensis* *Chem.*

31 **Solecurtus (Cultellus) fragilis** *Pult.*

*Solen fragilis* *Pult.*

*Solecurtus fragilis* *Conr.*

*Solen centralis* *Say.*

*Psammobia tæniata* *Turton.*

33 25-6 **Machæra (n. g.) nitida** *Gould.*

- Pa. Fig.  
 34 p. 24 **Machæra costata** Say.  
     *Solen costatus* Say.  
     *Solecurtus costatus* Say.  
 35 **Solemya velum** Say.  
 36 **borealis** Tott.  
     *S. velum* Conr.

- Pa. Fig.  
 37 27 **Panopæa arctica** Lam.  
     *Glycymeris arctica* Lam.  
 39 **Glycymeris siliquã** Chemn.  
     *Mya siliqua* Chemn.  
     *G. incrassata* Lam.  
     *Mya picea* Wood.

Family **Myaria.**

- 40 **Mya arenaria** Lin.  
     *M. mercenaria* Say.  
     *acuta* Say.  
 42 **truncata** Lin.

- 43 37 **Corbula contracta** Say.  
 44 **Pandora trilineata** Say.  
     *P. nasuta* Sowerby.

Family **Osteodesmacea.**

- 46 10 **Osteodesma hyalina** Conr.  
     *Mya hyalina* Conr.  
     *Lyonsia hyalina* Conr.  
 47 28 **Anatina papyracea** Say.  
     *A. papyratia?* Totten.  
     *A. fragilis* Totten.

- 49 29, **Cochlodesma Leana** Conr.  
 30 *Anatina Leana* Conr.  
 50 **Thracia Conradi** Couth.  
     *T. declivis* Conr.  
     *Anatina convexa* Hitch. Cat.

Family **Mactracea** Lam.

- 51 **Mactra solidissima** Chemn.  
     *M. gigantea* Lam.  
     *Juteola* Loven (young).  
 53 32 **ovalis** Gould.  
     *M. similis* Gray.  
     *grandis* Desh.  
 54 34-5 **lateralis** Say.  
 56 36 **Cumingia tellinoides** Conr.  
     *Mactra tellinoides* Conr.  
 57 39 **Mesodesma arctata** Conr.

- Mactra arctata* Conr.  
     *deaurata* Conr.  
     *subtriangulata* Conr.  
 58 38 **Mesodesma Jauresii** De Joan.  
 59 **Montacuta bidentata** Mont.  
     *Mya bidentata* Mont.  
 60 33 **Kellia rubra** Mont.  
     *Cardium rubrum* Mont.  
     *læve* Walker.  
     *Tellina rubra* Turton.

Family **Lithophagidæ** Lam.

- 61 40 **Saxicava distorta** Say.  
     *Mytilus rugosus* Lin.

- 63 **Petricola pholadiformis** Lam.  
     *P. fornicata* Say.  
 65 41 **dactylus** Sowb.

Family **Nymphacea** Lam.

- 66 42 **Sanguinolaria fusca** Say.  
     *Psammobia fusca* Say.  
     *Tellina inconspicua?* Sowb.  
     *Grönlandica* Beck.  
     *Balthica* Lin.  
 67 **sordida** Couth.  
     *Tellina sordida* Couth.

- 67 43 **Tellina tenta** Say.  
 68 44 **tenera** Say.  
 69 **Lucina radula** Mont.  
     *Tellina radula* Mont.  
     *Venus borealis* Donovan.  
     *Venus spuria* Dillwyn.  
     *Pectunculus subfuscus* Lister.

- |          |  |          |   |
|----------|--|----------|---|
| Pa. Fig. |  | Pa. Fig. |   |
| 70       | <b>Lucina divaricata</b> Lin.<br><i>Tellina divaricata</i> Lin.<br><i>Cardium arcuatum</i> Mont.<br><i>Pectunculus parvus</i> Lister.<br><i>Strigilla divaricata</i> Turton. | 71 52    | <b>Lucina flexuosa</b> Mont.<br><i>Tellina flexuosa</i> Mont.<br><i>Venus sinuosa</i> Donovan.<br><i>Cryptodon flexuosa</i> Turton. |

Family **Conchacea** Lam.

- |       |  |       |   |
|-------|--|-------|---|
| 72 53 | <b>Cyclas similis</b> Say.<br><i>C. sulcata</i> Lam.   |       | <i>sulcata</i> Fleming.<br><i>Venus Scotica</i> Mont.   |
| 73 54 | <b>partumeia</b> Say.<br><i>C. cornea</i> Lam. (var.)  | 80 47 | <b>Astarte lactea</b> Br. & Sowb.   |
| 74 55 | <b>elegans</b> Adams.  | 81 48 | <b>quadrans</b> Gould.  |
| 75 56 | <b>dubia</b> Say.  | 82    | <b>Cyprina Islandica</b> Lin.<br><i>Pectunculus maximus</i> Lister.<br><i>crassus</i> Da Costa. |
| 76 45 | <b>Astarte castanea</b> Say.<br><i>Venus castanea</i> Say.<br><i>Crassina castanea</i> Lam.  |       | <i>Venus Islandica</i> Lin.<br><i>mercenaria</i> Pennant.<br><i>bucardium</i> Born.             |
| 78 46 | <b>sulcata</b> Mont.<br><i>Venus sulcata</i> Mont.<br><i>Danmonia</i> Mont.<br><i>Danmoniensis</i> Blainv.<br><i>Crassina sulcata</i> Turton.<br><i>Danmoniensis</i> Lam.<br><i>Astarte Danmoniensis</i> Sowb. |       | <i>Cyprina vulgaris</i> Sowb.   |
|       |  | 84 49 | <b>Cytherea convexa</b> Say.  |
|       |  | 85 67 | <b>Venus mercenaria</b> Lin.  |
|       |  | 86 67 | <b>notata</b> Say.  |
|       |  | 87 50 | <b>fluctuosa</b> Gould.   |
|       |  | 88 51 | <b>gemma</b> Tott.  |

Family **Cardiacea** Desh.

- |       |  |       |   |
|-------|--|-------|---|
| 89 58 | <b>Cardium Islandicum</b> Lin.<br><i>C. ciliatum</i> O. Fabr.<br><i>pubescens</i> Couth. | 92    | <b>Cardium Greenlandicum</b> Chem.<br><i>Maetra radiata</i> Donovan<br><i>C. edentulum</i> Sowb.<br><i>Aphrodite columba</i> Lea. |
| 90 57 | <b>pinnulatum</b> Conr.  | 94 59 | <b>Cardita borealis</b> Conr.<br><i>Arcturus rudis</i> Humph. MSS.  |
| 91    | <b>Mortoni</b> Conr.   |       |   |

Family **Arcacea** Lam.

- |        |   |        |   |
|--------|---|--------|---|
| 95 60  | <b>Arca pexata</b> Say.   |        | <i>N. rostrata</i> Sowb.  |
| 96     | <b>transversa</b> Say.  |        | <i>tenuisulcata</i> Couth.  |
| 97 66  | <b>Nucula thraciæformis</b> Storer.   | 102 67 | <b>Nucula Jacksonii</b> Gld. (fossil Me).   |
| 98 62  | <b>limatula</b> Say.  |        |   |
| 99     | <b>myalis</b> Couth.  | 103    | <b>navicularis</b> Couth.   |
| 100 61 | <b>sapotilia</b> Gould.<br><i>N. lævigata</i> Gould, olim.                          | 103 63 | <b>proxima</b> Say.   |
| 101    | <b>minuta</b> Gmelin.<br><i>Arca minuta</i> Gmelin.<br><i>Arca caudata</i> Donovan. | 105 64 | <b>tenuis</b> Mont.<br><i>Arca tenuis</i> Mont.<br><i>Nucula lucida</i> Blanding MSS. |



Family **Naiades** Lam.

Pa. Fig.		Pa. Fig.	
107 68, 69, 70	<b>Unio complanatus</b> Sol. <i>Mya complanata</i> Sol. <i>U. purpureus</i> Say. <i>purpurascens</i> Lam. <i>violaceus</i> Spengler. <i>rarisulcata</i> Lam. <i>coarctata</i> Lam. <i>rhubula</i> Lam. <i>carinifera</i> Lam. <i>Georgina</i> Lam. <i>glabrata</i> Lam. <i>sulcidens</i> Lam. <i>fluviatilis</i> Green.	113 75	<b>Alasmodon arcuata</b> Barnes. <i>Mya margaritifera?</i> Lin. <i>Margaritana margaritifera</i> Lea.
109 71	<b>nasutus</b> Say. <i>Mya nasuta</i> Wood. <i>U. rostratus</i> Valenc.	115 76	<b>undulata</b> Say. <i>Unio undulata</i> Say. <i>Alasmodonta undulata</i> Barn. <i>Mya undulata</i> Wood. <i>Margaritana undulata</i> Lea. <i>Unio hians</i> Val. <i>Alasmodon undulata</i> Swains.
110 73	<b>radiatus</b> Gmel. <i>Mya radiata</i> Gmel. <i>U. Virginiana</i> Lam. <i>Mya oblongata</i> Wood.	116 77	<b>marginata</b> Say. <i>Unio varicosa</i> Lam. <i>Alasmodonta truncata?</i> Say. <i>Margaritana marginata</i> Lea. <i>Mya rugulosa</i> Wood.
111 72	<b>cariosus</b> Say. <i>U. ovata</i> Val.	117 80	<b>Anodon fluviatilis</b> Dillw. <i>Anodonta cataracta</i> Say. <i>Mytilus fluviatilis</i> Dillw. <i>illitus</i> Sol.
112 74	<b>ochraceus</b> Say. <i>Symphynota ochracea</i> Lea.	118 78	<b>implicata</b> Say. <i>Anodonta Newtoniensis?</i> Lea. <i>marginata?</i> Say (young).
		120 79	<b>undulata</b> Say. <i>A. rugosus</i> Swainson.

Family **Mytilacea** Lam.

121 82	<b>Mytilus edulis</b> Lin. <i>M. vulgaris</i> Da Costa. <i>Musculus subcæruleus</i> Lister. <i>M. borealis</i> Lam. var. <i>pellucidus</i> .		<i>Mytilus plicatulus</i> Desh. <i>Modiola semi-costata</i> Conr.
123	<b>Modiola modiolus</b> Lin. <i>Mytilus modiolus</i> Lin. <i>papuanus</i> Desh. <i>Modiola papuana</i> Lam. <i>vulgaris</i> Fleming. <i>Mytilus barbatus</i> Lin.	127 85	<b>Modiola pectinula</b> Gould.
		128 86	<b>nexa</b> Gould.
125 81	<b>plicatula</b> Lam. <i>Mytilus demissus</i> Dillw.	129 83	<b>discrepans</b> Mont. <i>Mytilus discrepans</i> Mont. <i>discors</i> O. Fabr. <i>Modiola lævigata</i> Gray (var.)
		130 84	<b>discors</b> Lin. <i>Mytilus discors</i> Lin. <i>Modiola discrepans</i> Lam.
		131 87	<b>glandula</b> Tott.

Family **Pectenides** Lam.

132	<b>Pecten magellanicus</b> Gmel. <i>Ostrea magellanicus</i> Gmel.		<i>Ostrea cinnabarina</i> Born. <i>P. Pealeii</i> Conr.
133 89	<b>Islandicus</b> Müll. <i>Ostrea Islandica</i> Müll.	134 88	<b>Pecten concentricus</b> Say.

Family **Ostracea** Lam.

Pa. Fig.		Pa. Fig.	
136	<b>Ostrea Virginiana</b> Lister. <i>O. Virginica</i> Gmel. <i>rostrata maxima</i> Chemn. <i>elongata</i> Sol. <i>Canadensis</i> Lam.		<i>O. edulis</i> Lin.
137	<b>borealis</b> Lam. <i>O. Canadensis</i> Brug.	138	<b>Anomia ephippium</b> Lin. <i>Ostreum parvum</i> Lister.
		139 90	<b>aculeata</b> Gmel.
		140	<b>electrica</b> Lin.
		140	<b>squamula</b> Lin.

Family **Brachiopoda** Lam.

141	<b>Terebratula caput-serpentis</b> Lin. <i>Anomia caput-serpentis</i> Lin. <i>pubescens</i> Dillw.		<i>T. pubescens</i> Desh. <i>septentrionalis</i> Couth.
		142 91	<b>Terebratula psittacea</b> Gmel.

CLASS **GASTEROPODA** CUVIER.Family **Phyllidiana** Lam.

146 20	<b>Chiton apiculatus</b> Say. <i>C. pectinatus</i> Gould, olim.		<i>Patella testudinaria</i> Kaemm. <i>tessellata</i> Müll.
147 22	<b>marginatus</b> Penn. <i>C. cinereus</i> Lowe.		<i>Clealandi</i> Sowb. <i>virginea</i> Müll.
148 23	<b>fulminatus</b> Couth.		<i>virginea?</i> Gmel. <i>amena</i> Say.
149 24	<b>ruber</b> Lowe.		<i>Patelloidea amena</i> Couth.
150 21	<b>albus</b> Mont. <i>C. aselloides</i> Lowe. <i>sagrinatus</i> Couth.		<i>Patelloidea testudinalis</i> Lea. <i>Patella clypeus</i> Brown.
151 19	<b>Emersonianus</b> Couth.		<i>L. Antillarum</i> Sowb.
152	<b>Patella candida</b> Couth.	154 13	<b>Lottia alveus</b> Conr. <i>Patella alveus</i> Conr. <i>Patelloidea alveus</i> Couth.
153 12	<b>Lottia testudinalis</b> Müll. <i>Patella testudinalis</i> Müll.		

Family **Cirrobranchiata** Blainv.

155 5	<b>Dentalium dentale</b> Lin. <i>D. striatum</i> Mont.		<i>D. attenuatum</i> Say.
-------	---	--	---------------------------

Family **Calyptracea** Lam.

156 18	<b>Cemoria Noachina</b> Lin. <i>Patella Noachina</i> Lin. <i>apertura</i> Mont. <i>fissurella</i> Müll. <i>Fissurella Noachina</i> Lyell. <i>Puncturella Noachina</i> Lowe. <i>C. Flemingii</i> Leach.		<i>Sipho striata</i> Brown.
		158 17	<b>Crepidula fornicata</b> Lin. <i>Patella fornicata</i> Lin.
		159 16	<b>plana</b> Say.
		160 15	<b>convexa</b> Say. <i>C. unguiformis</i> Lam.?
		161 14	<b>glauca</b> Say.

Family **Bulleana** Lam.

Pa. Fig.		Pa. Fig.	
162 92	<b>Bulla insculpta</b> Totten. <i>B. solitaria?</i> Say.	166 97	<b>Bulla canaliculata</b> Say. <i>Volvaria canaliculata</i> Say. <i>Bullina canaliculata</i> Say.
163 100	<b>hiemalis</b> Couth.	167 96	<b>obstricta</b> Gould.
163 94	<b>Gouldii</b> Couth.	168 93	<b>oryza</b> Tott.
164 95	<b>debilis</b> Gould.	169 99	<b>lineolata</b> Couth.
165 98	<b>triticea</b> Couth.		

Family **Colimacea** Lam.

170 101	<b>Helix albolabris</b> Say. <i>Cochlea Virginiana</i> Lister.	185 105	<b>Helix chersina</b> Say.
171 108	<b>thyroidus</b> Say. <i>Cochlea umbilicata</i> Lister. <i>terrestris Virginiana</i> Schroet. <i>Mesodon leucodon</i> Raf.	186 117	<b>Pupa contracta</b> Say.
172	<b>hortensis</b> Müll. <i>H. subglobosa</i> Binney.	187 118	<b>milium</b> Gould.
173 115	<b>tridentata</b> Say.	188 119	<b>modesta</b> Say.
174 113	<b>monodon</b> Rack.	189 120	<b>curvidens</b> Gould.
175 116	<b>hirsuta</b> Say. <i>H. fraterna</i> Wood. <i>Stenotrema convexa</i> Raf.	190 121	<b>simplex</b> Gould.
176 102	<b>pulchella</b> Müll. <i>Turbo helycinus</i> Lightfoot. <i>H. paludosa</i> Mont., &c. &c. <i>minuta</i> Say.	191 122	<b>exigua</b> Say.
177 114	<b>alternata</b> Say. <i>H. scabra</i> Lam. <i>radiata</i> Gmel.	192 123	<b>fallax</b> Say. <i>Cyclostoma marginata</i> Say. <i>P. fallax?</i> Say. <i>placida?</i> Say.
178 112	<b>striatella</b> Anthony.	193 124	<b>Bulimus lubricus</b> Müll. <i>Helix lubrica</i> Müll. <i>Cionella lubrica</i> Jeffr. <i>Achatina lubrica</i> Michaud. <i>Turbo glaber</i> Da Costa. <i>Cochlicopa lubrica</i> Ferussac. <i>Zua lubrica</i> Leach.
179 103	<b>lineata</b> Say. <i>Planorbis parallelus?</i> Say.	194 125	<b>Succinea ovalis</b> Say.
180 104	<b>cellaria</b> Müll. <i>H. nitida</i> Draparnaud. <i>nitens</i> Maton & Rackett. <i>glaphyra</i> Say. <i>Zonites cellarius</i> Gray. <i>lucida</i> Leach.	195 126	<b>campestris</b> Say.
181 109	<b>indentata</b> Say.	196 127	<b>avara</b> Say. <i>S. vermata</i> Say.
182 110	<b>arborea</b> Say.	197 130	<b>Auricula bidentata</b> Say. <i>Melampus bidentatus</i> Say. <i>A. cornea</i> Desh.
183 111	<b>electrina</b> Gould.	199 129	<b>denticulata</b> Mont. <i>Voluta denticulata</i> Mont. <i>Actæon denticulatus</i> Fleming. <i>Jaminea denticulata</i> Leach. <i>Conovulus denticulatus</i> Gray. <i>A. myosotis</i> Jeffr. <i>Carychium personatum</i> Mich. <i>A. personata</i> Desh.
184 106	<b>labyrinthica</b> Say.		

Family **Limneana** Lam.

- | Pa. Fig. |  | Pa. Fig.  |   |
|----------|--|-----------|---|
| 201 131  | <b>Planorbis trivolvis</b> Say.<br><i>Cochlea trium orbium</i> Lister.<br><i>P. corpulentus</i> Say. |           | <i>Cochlea neritoides</i> Lister.<br><i>Bulla fontinalis</i> Gmel. (var.)<br><i>crassula</i> Dillw.<br><i>Limnea heterostropha</i> Say. |
| 202 132  | <b>lentus</b> Say.   | 213 142   | <b>Physa ancillaria</b> Say.  |
| 203 134  | <b>bicarinatus</b> Say.<br><i>Helix angulatus</i> Rackett.   | 214 143   | <b>elongata</b> Say.  |
| 204 133  | <b>campanulatus</b> Say.   | 215 144   | <b>Limnæa columella</b> Say.<br><i>Lymnaeus navicula</i> Val.   |
| 205 138  | <b>armigerus</b> Say.  | 216 145   | (var.) <b>chalybea</b> Gould.   |
| 206 135  | <b>hirsutus</b> Gould.   | 217 148   | <b>macrostoma</b> Say.<br><i>Limnea acuminata</i> Adams.  |
| 207      | <b>elevatus</b> Adams.   | 218 149   | <b>umbilicata</b> Adams.  |
| 207 136  | <b>deflectus</b> Say.<br><i>P. virens</i> Adams (var.)   | 218 151   | <b>modicellus</b> Say.  |
| 208 137  | <b>exacutus</b> Say.<br><i>P. exacuus</i> Say.   | 219 150   | <b>desidiosa</b> Say.   |
| 209 139  | <b>parvus</b> Say.   | 221 146-7 | <b>elodes</b> Say.  |
| 210 140  | <b>dilatatus</b> Gould.<br><i>P. lens?</i> Lea.  | 223       | <b>catascopium</b> Say.<br><i>Lymnaeus cornea</i> Val.  |
| 211 141  | <b>Physa heterostropha</b> Say.<br><i>Bulla fontinalis Indiæ</i> Orientalis Chemn.                   | 224 153   | <b>Ancylus rivularis</b> Say.   |
|          |  | 224 152   | <b>fuscus</b> Adams.  |

Family **Peristomata** Lam.

- |         |  |            |  |
|---------|--|------------|--|
| 225 156 | <b>Valvata tricarinata</b> Say.<br><i>Cyclostoma tricarinata</i> Say.<br><i>V. carinata</i> Sowb.<br>(var.) <b>simplex</b> . | 227 p. 144 | <b>Paludina decisa</b> Say.<br><i>P. limosa</i> Val.       |
| 226 155 | <b>pupoidea</b> Gould.   | 229 157    | <b>Ammicola porata</b> Say.<br><i>Paludina porata</i> Say. |

Family **Neritacea** Lam.

- |         |                            |         |  |
|---------|----------------------------|---------|--|
| 231 163 | <b>Natica heros</b> Say.   | 238 167 | <b>Natica clausa</b> Br. & Sowb.<br><i>N. consolidata</i> Couth.<br><i>borealis</i> Beck.    |
| 233 165 | <b>triseriata</b> Say.     | 239 162 | <b>flava</b> Gould.  |
| 234 168 | <b>immaculata</b> Tott.    | 240     | <b>Janthina fragilis</b> Lin.<br><i>Helix janthina</i> Lin.<br><i>Janthina communis</i> Lam. |
| 235 161 | <b>canaliculata</b> Gould. |         |  |
| 236 164 | <b>duplicata</b> Say.      |         |  |
| 237 166 | <b>pusilla</b> Say.        |         |  |

Family **Macrostomata** Lam.

- |         |   |         |  |
|---------|---|---------|--|
| 241 159 | <b>Velutina lævigata</b> Lin.<br><i>Helix lævigata</i> Lin.<br><i>haliotoidea</i> Fabr.<br><i>Bulla velutina</i> Müll.<br><i>V. capuloidea</i> Blainv.<br><i>rupicola</i> Conr. |         | <i>Galericulum lævigatum</i> Brown.  |
|         |   | 242 160 | <b>Velutina zonata</b> Gould.  |
|         |   | 244 158 | <b>Sigaretus haliotoideus</b> Lam.<br><i>Helix haliotoidea</i> Lin.<br><i>Bulla haliotoidea</i> Mont.<br><i>Orynoe glabra</i> Couth. |

Family **Plicacea** Lam.

- |          |   |
|----------|---|
| Pa. Fig. | Pa. Fig.                                |
| 245 188  | <b>Tornatella puncto-striata</b> Adams. |

Family **Scalariana** Lam.

- |         |  |          |  |
|---------|--|----------|--|
| 246     | <b>Vermetus lumbricalis</b> Lin.<br><i>Vermicularia lumbricalis</i> Lam.<br><i>Vermetus lumbricalis</i> Lam.<br><i>Serpula lumbricalis</i> Lin.  | 248      | <b>Scalaria Nov-Angliæ</b> Couth.  |
| 247 189 | <b>Skenea serpuloides</b> Montagu.<br><i>Helix serpuloides</i> Mont.<br><i>Turbo serpuloides</i> Turton.<br><i>Delphinula? serpuloides</i> Ad.<br><i>Delphinoidea serpuloides</i> Brown. | 249 170* | <b>Grœnlandica</b> Chemn.<br><i>Turbo clathrus Grœnlandicus</i> Chemn.<br><i>S. planicosta</i> Kiener.<br><i>subulata</i> Couth. |
|         |  | 250      | <b>lineata</b> Say.  |
|         |  | 251      | <b>multistriata</b> Say.   |

Family **Turbinacea** Lam.

- |          |  |         |   |
|----------|--|---------|---|
| 252      | <b>Margarita cinerea</b> Couth.<br><i>Turbo cinereus</i> Couth.<br><i>Trochus costalis</i> Loven.                          |         | <i>quadrifasciatus</i> Flem.<br><i>L. pertusa</i> Conr.<br>(var.) <i>fusca</i> .  |
| 253 171* | <b>obscura</b> Couth.<br><i>Turbo obscurus</i> Couth.  | 263 170 | <b>Lacuna neritoidea</b> Gould.   |
| 254 172* | <b>undulata</b> Sowb.<br><i>Turbo incarnatus</i> Couth.  | 265 171 | <b>Cingula minuta</b> Tott.   |
| 255 173* | <b>arctica</b> Leach.<br><i>M. helicoides</i> Beck MSS.<br><i>Turbo inflatus</i> Totten.<br><i>Paludina inflata</i> Menke. | 266 172 | <b>aculeus</b> Gould.   |
| 256 174* | <b>argentata</b> Gould.  | 267     | <b>Turritella erosa</b> Couth.  |
| 257 175* | <b>Littorina rudis</b> Don.<br><i>Turbo rudis</i> Don.<br><i>obligatus</i> Say.  | 268 173 | <b>interrupta</b> Tott.   |
| 259 176* | <b>tenebrosus</b> Mont.<br><i>Turbo tenebrosus</i> Mont.<br><i>vestitus</i> Say.   | 269 174 | <b>Pyramis striatula</b> Couth.   |
| 260 177* | <b>palliatata</b> Say.<br><i>Turbo palliatus</i> Say.<br><i>neritoides?</i> Lin.   | 270 175 | <b>Odostomia producta</b> Adams.<br><i>Jamiania producta</i> Adams.   |
| 262 178* | <b>Lacuna vincta</b> Mont.<br><i>Turbo vinctus</i> Mont.   | 270 176 | <b>fusca</b> Adams.<br><i>Pyramis fusca</i> Adams.<br><i>Jamiania fusca</i> Adams.  |
|          |  | 272 177 | <b>exigua</b> Couth.<br><i>Jamiania exigua</i> Couth.<br><i>Rissoa rupestris</i> Forbes.<br><i>Turritella bisuturalis?</i> Say. |
|          |  | 273 178 | <b>seminuda</b> Adams.<br><i>Jamiania seminuda</i> Adams.   |
|          |  | 274 179 | <b>trifida</b> Tott.<br><i>Actæon trifidus</i> Tott.  |

Family **Canalifera** Lam.

- |         |   |         |   |
|---------|---|---------|---|
| 275 180 | <b>Cerithium Emersonii</b> Adams.   | 279 184 | <b>Greenii</b> Adams.   |
| 276 181 | <b>terebrale</b> Adams.   | 280 185 | <b>Pleurotoma decussata</b> Couth.                                |
| 277 182 | <b>nigrocinctum</b> Adams.  | 281 186 | <b>bicarinata</b> Couth.  |
| 278 183 | <b>Sayi</b> Menke.<br><i>C. reticulatum</i> Tott.<br><i>Pasithea nigra</i> Tott. (young). | 282 187 | <b>plicata</b> Adams.   |
|         |   | 283 190 | <b>Cancellaria Couthouyi</b> Jay.<br><i>C. buccinoides</i> Couth. |

- |          |  |          |   |
|----------|--|----------|---|
| Pa. Fig. |  | Pa. Fig. |   |
| 284      | <b>Fusus Islandicus</b> Gmel.<br><i>Murex corneus</i> Pennant.<br><i>Islandicus</i> Gmel.<br><i>F. corneus</i> Say.<br><i>Buccinum gracile</i> Da Costa.<br><i>angustius</i> Lister.       | 290 192  | <b>Fusus rufus</b> Montagu.<br><i>Murex rufus</i> Mont.<br><i>F. pleurotomarius</i> Couth.                          |
| 284 199  | (var.) <b>pygmæus</b> .  | 291 191  | <b>harpularius</b> Couth.   |
| 285 200  | <b>ventricosus</b> Gmel.<br><i>F. Islandicus</i> Kiener (var.)<br><i>corneus</i> Brown (var.)<br><i>striatus</i> Coll. Par.  | 292 193  | <b>turricula</b> Montagu.<br><i>Murex turricula</i> Montagu.<br><i>angulatus</i> Don.                               |
| 286 201  | <b>tornatus</b> Gould.   | 293      | <b>muricatus</b> Montagu.<br><i>Murex muricatus</i> Mont.   |
| 287 202  | <b>decemcostatus</b> Say.<br><i>F. carinatus</i> Kiener.   | 294 206  | <b>Pyrula canaliculata</b> Lin.<br><i>Murex canaliculatus</i> Lin.<br><i>P. spirata</i> Kiener.                     |
| 288 203  | <b>scalariformis</b> Gould.  | 296      | <b>carica</b> Gmel.<br><i>Murex carica</i> Gmel.  |
| 289 198  | <b>Bamffius</b> Don.<br><i>Murex Bamffius</i> Don.   | 297 204  | <b>Ranella caudata</b> Say.   |
|          |  |          |   |
|          |  |          | Family <b>Alata</b> Lam.  |
| 298 205  | <b>Rostellaria occidentalis</b> Beck.  |          |   |
|          |  |          | Family <b>Pupurifera</b> Lam.   |
| 300 207  | <b>Trichotropis borealis</b> Sowb.<br><i>T. costellatus</i> Couth.   |          | <i>B. striatum</i> Pennant.   |
| 301      | <b>Purpura lapillus</b> Lin.<br><i>P. imbricata</i> Lam.<br><i>bizonalis</i> Lam.<br><i>Buccinum lapillus</i> Lin.<br><i>Tritonium lapillus</i> Müll.<br><i>Purpuro-Buccinum</i> Da Costa. | 307 209  | <b>Buccinum ciliatum</b> O. Fabr.<br><i>Tritonium ciliatum</i> O. Fabr.<br><i>B. ventricosum</i> Kiener.            |
| 303 213  | <b>Buccinum plicosum</b> Menke.<br><i>Fusus cinereus</i> Say.  | 308 210  | <b>obsoletum</b> Say.<br><i>Nassa obsoleta</i> Say.<br><i>B. Nov-Eboracensis</i> Wood.<br><i>oliviforme</i> Kiener. |
| 304 208  | <b>Donovani</b> Gray.<br><i>B. glaciale</i> Don.   | 309 211  | <b>trivittatum</b> Say.<br><i>Nassa trivittata</i> Say.   |
| 305      | <b>undatum</b> Lin.<br><i>B. crassum rufescens</i> Lister.<br><i>vulgare</i> Da Costa.<br><i>Tritonium undatum</i> Müll.   | 310 212  | <b>vibex</b> Say.<br><i>Nassa vibex</i> Say.  |
|          |  | 311 195  | <b>rosaceum</b> Gould.  |
|          |  | 312 196  | <b>lunatum</b> Say.<br><i>Nassa lunata</i> Say.   |
|          |  |          |   |
|          |  |          | Family <b>Columellaria</b> Lam.   |
| 313 197  | <b>Columbella avara</b> Say.   |          |   |
|          |  |          | CLASS <b>CEPHALOPODA</b> CUVIER.  |
| 317      | <b>Spirula Peronii</b> Lam.<br><i>Nautilus spirula</i> Lin.  | 318      | <b>Loligo illecebrosa</b> Lesueur.  |
|          |  |          |   |
|          |  |          | CLASS <b>TUNICATA</b> CUVIER.   |
| 319      | <b>Ascidia rustica</b> Lin.  |          | <i>Ascidia globifera</i> Sabine.<br><i>clavata</i> Fabr.  |
| 319      | <b>Boltenia reniformis</b> Mac Leay.   | 320      | <b>Botryllus stellatus</b> Pallas.  |

**Adams.**—Description of a new Species of Thracia: by C. B. Adams, Prof. Chem. and Nat. History in Middlebury College. (From American Journal of Science, O. S., vol. xliii, No. 1. April–June, 1842.)

Page.	Name.	Locality.
145	<b>Thracia inequalis</b> Adams. (With three wood-cuts.)	Gulf of Mexico.

**Adams.**—Fresh-Water and Land Shells of Vermont: by C. B. ADAMS, A. M., Prof. Nat. Hist. in Middlebury College. (From Thomson's History of Vermont, Part I. Also published in pamphlet form, 1842.)

[With full descriptions of genera and species, and wood-cuts of some species.]

Page Hist. Pam.		Page Hist. Pam.	
151 1	<b>Paludina decisa</b> Say, fig.	156 6	<b>Planorbis deflectus</b> Say.
152 2	<b>integra</b> Say.	156 6	<b>hirsutus</b> Gould.
152 2	<b>porata</b> Say.	156 6	<b>Succinea obliqua</b> Say, fig.
152 2	<b>lustrica</b> Say.	156 6	<b>ovalis</b> Say.
152 2	<b>Valvata sincera</b> Say.	156 6	<b>avara</b> Say.
152 2	<b>Melania depygis</b> Say, fig.		<i>S. vermeta</i> Say.
153 3	<b>Limnæa megasoma</b> Say,	157 7	<b>Bulimus lubricus</b> Dr.
153 3	<b>appressa</b> Say. [fig.]	157 7	<b>Pupa milium</b> Gould.
153 3	<b>gracilis</b> Jay.	157 7	<b>ovata</b> Say.
153 3	<b>pallida</b> Adams.	157 7	<b>badia</b> Adams.
153 3	<b>elodes</b> Say.	157 7	<b>armifera</b> Say.
154 4	<b>desidiosa</b> Say.	158 8	<b>albilabris</b> Ward, ined.
154 4	<b>caperata</b> Say.		<i>Cyclostoma marginata</i> S.
154 4	<b>Physa ancillaria</b> Say.	158 8	<b>contracta</b> Say.
154 4	<b>heterostropha</b> Say, fig.	158 8	<b>Tappaniana</b> Ward, ined.
154 4	<b>gyrina</b> Say.	158 8	<b>exigua</b> Say, fig.
154 4	<b>hypnorum</b> Dr.	159 9	<b>Helix albolabris</b> Say, fig.
	<i>P. elongata</i> Say.	159 9	<b>thyroidus</b> Say.
155 5	<b>Planorbis trivolvis</b> Say,	159 9	<b>dentifera</b> Binn.
	<i>P. lentus</i> Say. [fig.]	159 9	<b>palliata</b> Say.
	<i>corpulentus</i> Say.	159 9	<b>monodon</b> Rack.
155 5	<b>campanulatus</b> Say.		<i>H. fraterna</i> Say.
155 5	<b>bicarlinatus</b> Say.	159 9	<b>concava</b> Say.
155 5	<b>armigerus</b> Say.		(incl. <i>H. Vancouverensis</i> Lea.)
155 5	<b>exacutus</b> Say.		
156 6	<b>parvus</b> Say.		

Page Hist. Pam.		Page Hist. Pam.	
159 9	<b>Helix pulchella</b> Müll. <i>H. minuta</i> Say	164 14	<b>Anodonta fluviatilis</b> <i>Dillw.</i>
160 10	<b>Sayii</b> Binn. <i>H. diodonta</i> Say.	165 15	<b>undulata</b> Say.
160 10	<b>tridentata</b> Say.	165 15	<b>Alasmodonta arcuata</b> <i>Barnes, fig.</i>
160 10	<b>labyrinthica</b> Say.	165 15	<b>rugosa</b> Barnes.
160 10	<b>indentata</b> Say.	165 15	<b>undulata</b> Say.
160 10	<b>arborea</b> Say.	166 16	<b>Unio alatus</b> Say, fig. on p. 14.
161 11	<b>electrina</b> Gould.	166 16	<b>gracilis</b> Barnes.
161 11	<b>inornata</b> Say.	166 16	<b>compressus</b> Lea. var. <i>plebeius</i> Adams.
161 11	<b>fuliginosa</b> Griff. <i>H. lucubrata</i> Say.	167 17	<b>complanatus</b> Lam.
161 11	<b>multidentata</b> Binn.	167 17	<b>siliquoides</b> Barnes.
161 11	<b>minuscula</b> Binn.	167 17	<b>ventricosus</b> Barnes.
161 11	<b>lineata</b> Say.	167 17	<b>rectus</b> Lam.
162 12	<b>striatella</b> Anth.	168 18	<b>Cyclas elegans</b> Adams, fig.
162 12	<b>alternata</b> Say, fig.	168 18	<b>similis</b> Say.
162 12	<b>chersina</b> Say.	168 18	<b>rhomboidea</b> Say.
162 12	<b>Vitrina pellucida</b> Dr.	168 18	<b>partumeia</b> Say.
163 13	<b>Limax campestris</b> Binn.	168 18	<b>calyculata</b> Dr.
163 13	<b>Tebennophorus Carolin-</b> <b>ensis</b> Bosc.	169 19	<b>minor</b> Adams.
163 13	<b>Philomyous dorsalis</b> <i>Binn.</i>		Notes on—
164 14	<b>Ancylus parallelus</b> Hald.	169 19	<b>Limnæa expansa</b> Hald.
164 14	<b>tardus</b> Say.	169 19	<b>Auricula bidentata</b> Say (not in Vermont).
164 14	<b>Anodonta Benedictensis</b> <i>Lea, fig. on p. 16.</i>	169 19	<b>Ammicola porata.</b>
164 14	<b>marginata</b> Say.	169 19	<b>lustrica.</b>
		169 19	<b>pallida</b> Hald.

**Prescott.**—Catalogue of the Marine, Fluvial, and Terrestrial Shells of Massachusetts: by WILLIAM PRESCOTT, M. D. Lynn, May 8, 1842. [No descriptions.]

No.		No.	
22	<b>Teredo navalis</b> Lin.	29	<b>Machaera costatus</b> Gould. <i>Solecurtus costatus</i> Say
23	<b>Pholas costata</b> Lin.	30	<b>Solemya borealis</b> Tott.
24	<b>crispata</b> Lin.	31	<b>velum</b> Say.
25	<b>Solen ensis</b> Lin.	32	<b>Panopæa arctica</b> Gould. <i>Glycymeris arctica</i> Lam.
26	<b>viridis</b> Say.	33	<b>Glycymeris siliqua</b> Lam.
27	<b>Solecurtus caribæus</b> Conr. <i>Solen caribæus</i> Lam.	34	<b>Mya arenaria</b> Lin. <i>M. mercenaria</i> Say.
28	<b>fragilis</b> Conr. <i>Solen fragilis</i> Pultney. <i>centralis</i> Say.	35	<b>truncata</b> Lin.



- |                                   |                                  |
|-----------------------------------|----------------------------------|
| No.                               | No.                              |
| 36                                | 67                               |
| <b>Corbula contracta</b> Say.     | <b>Astarte quadrans</b> Gould.   |
| 37                                | 68                               |
| <b>Pandora trilineata</b> Say.    | <b>sulcata</b> Fleming.          |
| <i>P. nasuta</i> Sowb.            | <i>Venus sulcata</i> Mont.       |
| 38                                |                                  |
| <b>Osteodesma hyalina</b> Couth.  | <i>Crassina sulcata</i> Lam.     |
| <i>Mya hyalina</i> Conr.          | <i>A. danmoniensis</i> Sowb.     |
| 39                                | 69                               |
| <b>Anatina papyratia</b> Say.     | <b>Cyprina Islandica</b> Lam.    |
| 40                                | <i>Venus Islandica</i> Lin.      |
| <b>Cochlodesma Leana</b> Couth.   | 70                               |
| <i>Anatina Leana</i> Conr.        | <b>Cytherea convexa</b> Say.     |
| 41                                | 71                               |
| <b>Thracia Conradi</b> Couth.     | <b>Venus mercenaria</b> Lin.     |
| <i>T. declivis</i> Conr.          | 72                               |
| 42                                | <b>notata</b> Say.               |
| <b>Mactra solidissima</b> Chemn.  | 73                               |
| <i>M. gigantea</i> Lam.           | <b>præparca</b> Say (var.)       |
| 43                                | 74                               |
| <b>ovalis</b> Gould.              | <b>fluctuosa</b> Gould.          |
| <i>M. similis</i> Gray.           | 75                               |
| 44                                | <b>gemma</b> Totten.             |
| <b>lateralis</b> Say.             | 76                               |
| 45                                | <b>Cardium Grœnlandicum</b>      |
| <b>Cumingia tellinoides</b> Conr. | 77                               |
| <i>Mactra tellinoides</i> Conr.   | <b>Islandicum</b> Lin. [Chemn.]  |
| 46                                | <i>C. pubescens</i> Couth.       |
| <b>Mesodesma arcotata</b> Gould.  | 78                               |
| <i>Mactra arcotata</i> Conr.      | <b>Mortoni</b> Conr.             |
| 47                                | 79                               |
| <b>Jauressii</b> De Joannis.      | <b>pinnulatum</b> Conr.          |
| 48                                | 80                               |
| <b>Montacuta bidentata</b> Gould. | <b>Cardita borealis</b> Conr.    |
| 49                                | 81                               |
| <b>Kellia rubra</b> Turton.       | <b>Arca pexata</b> Say.          |
| 50                                | 82                               |
| <b>Saxicava distorta</b> Say.     | <b>transversa</b> Say.           |
| 51                                | 83                               |
| <b>Petricola pholadiformis</b>    | <b>Nucula limatula</b> Say.      |
| <i>P. fornicata</i> Say. [Lam.]   | 84                               |
| 52                                | <b>minuta</b> Turton.            |
| <b>dactylus</b> Sowb.             | <i>N. tenuisulcata</i> Couth.    |
| 53                                | 85                               |
| <b>Sanguinolaria fusca</b> Conr.  | <b>myalis</b> Couth.             |
| <i>Psammobia fusca</i> Say.       | 86                               |
| 54                                | <b>navicularis</b> Couth.        |
| <b>sordida</b> Gould.             | 87                               |
| <i>Tellina sordida</i> Couth.     | <b>proxima</b> Say.              |
| 55                                | 88                               |
| <b>Tellina tenera</b> Say.        | <b>sapotilla</b> Gould.          |
| 56                                | 89                               |
| <b>tenta</b> Say.                 | <b>tenuis</b> Turton.            |
| 57                                | 90                               |
| <b>calcaria</b> ?                 | <b>thraciæformis</b> Storer.     |
| 58                                | 91                               |
| <b>Lucina radula</b> Gould.       | <b>Unio complanatus</b> Lea.     |
| <i>Tellina radula</i> Mont.       | <i>U. purpureus</i> Say.         |
| 59                                | 92                               |
| <b>divaricata</b> Lam.            | <b>cariosus</b> Say.             |
| 60                                | 93                               |
| <b>flexuosa</b> Gould.            | <b>ochraceus</b> Say.            |
| <i>Cryptodon flexuosa</i> Turt.   | 94                               |
| 61                                | <b>Alasmodon arcuata</b> Barnes. |
| <b>Cyclas dubia</b> Say.          | 95                               |
| 62                                | <b>marginata</b> Say.            |
| <b>elegans</b> Adams.             | 96                               |
| 63                                | <b>undulata</b> Barnes.          |
| <b>partumeia</b> Say.             | <i>Unio undulata</i> Say.        |
| 64                                | 97                               |
| <b>similis</b> Say.               | <b>Anodon fluviatilis</b> Lea.   |
| 65                                | <i>A. cataracta</i> Say.         |
| <b>Astarte castanea</b> Say.      | 98                               |
| <i>Crassina castanea</i> Lam.     | <b>implicata</b> Say.            |
| 66                                | 99                               |
| <b>lactea</b> Brod., Sowb.        | <b>undulata</b> Say.             |
|                                   | 100                              |
|                                   | <b>Mytilus edulis</b> Lin.       |
|                                   | 101                              |
|                                   | var. <b>pellucidus</b> Pennant.  |
|                                   | 102                              |
|                                   | <b>Modiola barbata</b> Lam.      |

- | No. |  | No. |   |
|-----|--|-----|---|
| 103 | <b>Modiola discors</b> <i>Fleming.</i>         | 139 | <b>Bulla hiemalis</b> <i>Couth.</i>     |
| 104 | <b>discrepans</b> <i>Gould.</i>                | 140 | <b>insculpta</b> <i>Totten.</i>         |
|     | <i>Mytilus discrepans</i> <i>Mont.</i>         | 141 | <b>lineolata</b> <i>Couth.</i>          |
| 105 | <b>glandula</b> <i>Totten.</i>                 | 142 | <b>obstricta</b> <i>Gould.</i>          |
| 106 | <b>modiolus</b> <i>Turton.</i>                 | 143 | <b>oryza</b> <i>Totten.</i>             |
|     | <i>M. papuana</i> <i>Lam.</i>                  | 144 | <b>triticea</b> <i>Couth.</i>           |
| 107 | <b>neza</b> <i>Gould.</i>                      | 145 | <b>Helix albolabris</b> <i>Say.</i>     |
| 108 | <b>pectinula</b> <i>Gould.</i>                 | 146 | <b>alternata</b> <i>Say.</i>            |
| 109 | <b>plicatula</b> <i>Lam.</i>                   |     | <i>H. scabra</i> <i>Lam.</i>            |
| 110 | <b>Pecten concentrica</b> <i>Say.</i>          | 147 | <b>arboorea</b> <i>Say.</i>             |
| 111 | <b>Islandicus</b> <i>Chemn.</i>                | 148 | <b>cellaria</b> <i>Muller.</i>          |
|     | <i>P. Pealeii</i> <i>Conr.</i>                 | 149 | <b>chersina</b> <i>Say.</i>             |
| 112 | <b>Magellanicus</b> <i>Lam.</i>                | 150 | <b>electrina</b> <i>Gould.</i>          |
| 113 | <b>Ostrea borealis</b> <i>Lam.</i>             | 151 | <b>hortensis</b> <i>Muller.</i>         |
|     | <i>O. edulis</i> <i>Lin.</i>                   | 152 | var. <b>subglobosa</b> <i>Binn.</i>     |
| 114 | <b>Virginiana</b> <i>Lister.</i>               | 153 | <b>lineata</b> <i>Say.</i>              |
| 115 | <b>Anomia aculeata</b> <i>Gmelin.</i>          | 154 | <b>indentata</b> <i>Say.</i>            |
| 116 | <b>squamula</b> ? <i>Lin.</i>                  | 155 | <b>labyrinthica</b> <i>Say.</i>         |
| 117 | <b>ephippium</b> <i>Lin.</i>                   | 156 | <b>monodon</b> <i>Rackett.</i>          |
| 118 | <b>Terebratula caput-serpentis</b> <i>Lam.</i> |     | <i>H. fraterna</i> <i>Say.</i>          |
|     | <i>T. septentrionalis</i> <i>Couth.</i>        | 157 | <b>hirsuta</b> <i>Say.</i>              |
|     | <i>T. septentrionalis</i> <i>Couth.</i>        |     | <i>H. fraterna</i> <i>Wood.</i>         |
| 119 | <b>psittacea</b> <i>Gmelin.</i>                | 158 | <b>pulchella</b> <i>Muller.</i>         |
| 120 | <b>Chiton albus</b> <i>Mont.</i>               |     | <i>H. minuta</i> <i>Say.</i>            |
|     | <i>C. sagrinatus</i> <i>Couth.</i>             | 159 | <b>striatella</b> <i>Anthony.</i>       |
| 121 | <b>apiculatus</b> <i>Say.</i>                  | 160 | <b>thyroidus</b> <i>Say.</i>            |
| 122 | <b>Emersonianus</b> <i>Couth.</i>              | 161 | <b>tridentata</b> <i>Say.</i>           |
| 123 | <b>fulminatus</b> <i>Couth.</i>                | 162 | <b>Pupa contracta</b> <i>Say.</i>       |
| 124 | <b>marginatus</b> <i>Pennant.</i>              | 163 | <b>curvidens</b> <i>Gould.</i>          |
| 125 | <b>ruber</b> <i>Lowe.</i>                      | 164 | <b>exigua</b> <i>Say.</i>               |
| 126 | <b>Patella candida</b> <i>Couth.</i>           | 165 | <b>fallax</b> <i>Say.</i>               |
| 127 | <b>Lottia alveus</b> <i>Gould.</i>             | 166 | <b>milium</b> <i>Gould.</i>             |
| 128 | <b>testudinalis</b> <i>Gould.</i>              | 167 | <b>modesta</b> <i>Say.</i>              |
|     | <i>Patella amœna</i> <i>Say.</i>               | 168 | <b>simplex</b> <i>Gould.</i>            |
| 129 | One species not identified.                    | 169 | <b>Tappaniana</b> <i>Ward.</i>          |
| 130 | <b>Dentalium dentale</b> <i>Lin.</i>           | 170 | <b>Bulimus lubricus</b> <i>Brug.</i>    |
| 131 | <b>Cemoria Noachina</b> <i>Gould.</i>          | 171 | <b>Succinea avara</b> <i>Say.</i>       |
|     | <i>Patella Noachina</i> <i>Lin.</i>            | 172 | <b>campestris</b> <i>Say.</i>           |
| 132 | <b>Crepidula convexa</b> <i>Say.</i>           | 173 | <b>ovalis</b> <i>Say.</i>               |
| 133 | <b>fornicata</b> <i>Lam.</i>                   | 174 | <b>Auricula bidentata</b> <i>Gould.</i> |
| 134 | <b>glauca</b> <i>Say.</i>                      |     | <i>Melampus bidentatus</i> <i>Say.</i>  |
| 135 | <b>plana</b> <i>Say.</i>                       | 175 | <b>denticulata</b> <i>Gould.</i>        |
| 136 | <b>Bulla canaliculata</b> <i>Gould.</i>        | 176 | <b>Planorbis armigerus</b> <i>Say.</i>  |
| 137 | <b>debilis</b> <i>Gould.</i>                   | 177 | <b>bicarinatus</b> <i>Say.</i>          |
| 138 | <b>Gouldii</b> <i>Couth.</i>                   | 178 | <b>campanulatus</b> <i>Say.</i>         |

- | No. |   | No  |  |
|-----|---|-----|--|
| 179 | <b>Planorbis deflectus</b> Say.                                   | 219 | <b>Vermetus lumbricalis</b> Lam.                                     |
| 180 | <b>dilatatus</b> Gould.   | 220 | <b>Skenea serpuloides</b> Flem.<br><i>Delphinula serpuloides</i> Ad. |
| 181 | <b>elevatus</b> Adams.  | 221 | <b>Scalaria Grœnlandica</b> Gld.<br><i>S. subulata</i> Couth.        |
| 182 | <b>exacutus</b> Say.  | 222 | <b>lineata</b> Say.  |
| 183 | <b>hirsutus</b> Gould.  | 223 | <b>multistriata</b> Say.   |
| 184 | <b>lentus</b> Say.  | 224 | <b>Nov-Angliæ</b> Couth.   |
| 185 | <b>parvus</b> Say.  | 225 | <b>Margarita cinerea</b> Gould.<br><i>Turbo cinereus</i> Couth.      |
| 186 | <b>trivolvus</b> Say.   | 226 | <b>argentea</b> Gould.   |
| 187 | <b>virens</b> .   | 227 | <b>arctica</b> Leach.<br><i>Turbo inflatus</i> Totten.               |
| 188 | <b>Physa ancillaria</b> Say.                                      | 228 | <b>obscura</b> Gould.<br><i>Turbo obscurus</i> Couth.                |
| 189 | <b>elongata</b> Say.  | 229 | <b>undulata</b> Sowb.<br><i>Turbo incarnatus</i> Couth.              |
| 190 | <b>heterostropha</b> Say.   | 230 | <b>Littorina palliata</b> Gould.<br><i>Turbo palliatus</i> Say.      |
| 191 | <b>Limnæa columella</b> Say.<br>var. <i>chalybea</i> Gould.       | 231 | <b>rudis</b> Gould.<br><i>Turbo obligatus</i> Say.                   |
| 192 | <b>catascopium</b> Say.   | 232 | <b>tenebrosa</b> Gould.<br><i>Turbo vestitus</i> Say.                |
| 193 | <b>elodes</b> Say.  | 233 | <b>Lacuna neritoidea</b> Gould.                                      |
| 194 | <b>desidiosa</b> Say.   | 234 | <b>vincta</b> Gould.<br><i>L. pertusa</i> Conr.                      |
| 195 | <b>macrostoma</b> Say.<br><i>L. acuminata</i> Adams.              | 235 | <b>fusca</b> Adams.  |
| 196 | <b>modicellus</b> Say.  | 236 | <b>Cingula aculeus</b> Gould.<br><i>Turbo aculeus</i> Adams.         |
| 197 | <b>umbilicata</b> Adams.  | 237 | <b>minuta</b> Gould.<br><i>Turbo minuta</i> Totten.                  |
| 198 | <b>Ancylus fuscus</b> Adams.                                      | 238 | <b>Turritella erosa</b> Couth.                                       |
| 199 | <b>rivularis</b> Say.   | 239 | <b>interrupta</b> Totten.  |
| 200 | <b>Valvata pupoidea</b> Gould.                                    | 240 | <b>Pyramis striatula</b> Couth.                                      |
| 201 | <b>tricarinata</b> Say.   | 241 | <b>Odostomia exigua</b> Gould.<br><i>Jaminiæ exigua</i> Couth.       |
| 202 | <b>Paludina decisa</b> Say.                                       | 242 | <b>fusca</b> Gould.  |
| 203 | <b>Amnicola porata</b> Say.                                       | 243 | <b>producta</b> Gould.<br><i>Jaminiæ producta</i> Ad.                |
| 204 | <b>Natica canaliculata</b> Gould.                                 | 244 | <b>seminuda</b> Gould.   |
| 205 | <b>clausa</b> Brod.<br><i>N. consolidata</i> Couth.               | 245 | <b>trifida</b> Gould.<br><i>Acteon trifidus</i> Totten.              |
| 206 | <b>duplicata</b> Say.   | 246 | <b>Cerithium Emersonii</b> Ad.                                       |
| 207 | <b>flava</b> Gould.   | 247 | <b>Greenii</b> Adams.  |
| 208 | <b>heros</b> Say.   | 248 | <b>nigrocinctum</b> Adams.   |
| 209 | <b>immaculata</b> Totten.   |     |  |
| 210 | <b>pusilla</b> Say.   |     |  |
| 211 | <b>triseriata</b> Say.  |     |  |
| 212 | One species not identified.                                       |     |  |
| 213 | <b>Janthina fragilis</b> Brug.                                    |     |  |
| 214 | <b>Velutina lævigata</b> Gould.<br><i>V. rupicola</i> Conr.       |     |  |
| 215 | <b>zonata</b> Gould.  |     |  |
| 216 | <b>Sigaretus haliotoideus</b> Lam.<br><i>Oxynoe glabra</i> Couth. |     |  |
| 217 | <b>Tornatella puncto-striata</b><br>Adams.                        |     |  |

No.		No.	
249	<b>Cerithium terebrale</b> Adams.	268	<b>Ranella caudata</b> Say.
250	<b>Sayi</b> Menke. <i>C. reticulatum</i> Totten.	269	<b>Rostellaria occidentalis</b> Beck.
251	<b>Pleurotoma decussata</b> Couth.	270	<b>Trichotropis borealis</b> Sowb. <i>T. costellatus</i> Couth.
252	<b>bicarinata</b> Couth.	271	<b>Purpura lapillus</b> Lam.
253	<b>plicata</b> Adams.	272	var. <b>imbricata</b> Lam.
254	<b>Cancellaria Couthouyi</b> Jay. <i>C. buccinoides</i> Couth.	273	var. <b>bizonalis</b> Lam.
255	<b>Fusus Bamffius</b> Flem.	274	<b>Buccinum ciliatum</b> Gould. <i>B. ventricosum</i> Kiener.
256	<b>decemcostatus</b> Say.	275	<b>Donovani</b> Gray.
257	<b>harpularius</b> Couth.	276	<b>lunatum</b> Adams.
258	<b>Islandicus</b> Martini. <i>F. corneus</i> Say.	277	<b>obsoletum</b> Adams.
259	<b>muricatus</b> Brown.	278	<b>plicosum</b> Menke. <i>Fusus cinereus</i> Say.
260	<b>rufus</b> Gould.	279	<b>rosaceum</b> Gould.
261	<b>pygmæus</b> Gould (var.)	280	<b>trivittatum</b> Adams. <i>Nassa trivittata</i> Say.
262	<b>scalariformis</b> Gould.	281	<b>undatum</b> Lin.
263	<b>tornatus</b> Gould.	282	<b>vibex</b> Adams. <i>Nassa vibex</i> Say.
264	<b>turricula</b> Flem.	283	<b>Columbella avara</b> Say.
265	<b>ventricosus</b> Gray. <i>F. Islandicus</i> Kiener (var.)	284	<b>Spirula Peronii</b> Lam.
266	<b>Pyrula canaliculata</b> Brug.		
267	<b>carica</b> Brug.		

**Møller.**—Index Molluscorum Groenlandiæ: auctore H. P. C. MÖLLER. Hafniæ, 1842. [With descriptions.]

#### CEPHALOPODA.

Page		Page.	
3	<b>Oncoteuthis Fabricii</b> Möll. <i>Sepia loligo</i> Fabr.	4	<b>Cirrhoteuthis Mulleri</b> Eschr.
3	<b>amœna</b> Möll.	4	<b>Octopus granulatus.</b> <i>Sepia octopodia</i> Fabr.
3	<b>Rossia palpebrosa</b> Owen.		

#### PTEROPODA.

4	<b>Clione borealis.</b> <i>Clione retusa</i> Fabr.	4	<b>Limacina arctica</b> Sab. <i>Argonauta arctica</i> Fabr.
		4	<b>balea</b> Möll.

#### GASTEROPODA.

4	<b>Helix Fabricii.</b> <i>Petasia Fabricii</i> Beck. <i>H. nitidia</i> Fabr.	4	<b>Pupa Hoppii</b> Möll.
		4	<b>Vitrina angelicæ</b> Beck. <i>Helix pellucida</i> Fabr.

Page.		Page.	
4	<b>Succinea grœnlandica</b> Beck.	8	<b>Margarita ? costulata</b> Möll.
4	<b>Lymnœa Vahlîi.</b> <i>Linnophysa Vahlîi</i> Beck.	8	<b>Skenea planorbis.</b> <i>Turbo planorbis</i> Fabr.
5	<b>Holbollîi.</b> <i>Linnoph. Holböllîi</i> Beck.	9	<b>Litorina Grœnlandica</b> Mke. <i>Nerita litorea</i> Fabr.
5	<b>Pingelîi.</b> <i>Linnoph. Pingelîi</i> Beck.	9	<b>arctica</b> Möll. <i>Nerita litoralis</i> Fabr.
5	<b>Planorbis arcticus</b> Beck.		var. <i>retusa</i> .
5	<b>Aeolidia bodocensis,</b> <i>Doris papillosa</i> Fabr.	9	<b>Lacuna divaricata.</b> <i>Trochus divaricatus</i> Fabr.
5	<b>Tergipes rupium</b> Möll.	9	<b>glacialis</b> Möll.
5	<b>Tritonia arborescens.</b> <i>Doris arborescens</i> Fabr.	9	<b>pallidula</b> Turt.
5	<b>Ascanii</b> Sars?	9	<b>Rissoa castanea</b> Möll.
5	<b>Doris liturata</b> Beck.	9	<b>scrobiculata</b> Möll.
6	<b>acutiuscula</b> Stp.	9	<b>globulus</b> Möll.
6	<b>obvelata.</b> <i>D. obvelata</i> Müll. ?	9	<b>saxatilis</b> Möll. <i>Trochus striatellus</i> Fabr.
6	<b>Euplocamus Holbollîi</b> Möll.	9	<b>Turritella lactea</b> Möll.
6	<b>Bullœa granulosa.</b> <i>B. granulosa</i> Sars ?	10	<b>polaris</b> Beck.
6	<b>punctata</b> Möll.	10	<b>? costulata</b> Möll.
6	<b>Bulla turrita</b> Möll.	10	<b>Scalaria grœnlandica.</b> <i>Turbo clathrus Grœnlandicus</i> Chemn.
6	<b>corticata</b> Beck.	10	<b>Eschrichti</b> Holb.
6	<b>Reinhardi</b> Holb. <i>B. insculpta</i> Totten ?	10	<b>Menestho</b> Möll. (n. g.)
6	<b>subangulata</b> Möll.	10	<b>Cl. albula.</b> <i>Turbo albulus</i> Fabr.
7	<b>Natica septentrionalis</b> Beck.	10	<b>Velutina hallotoides.</b> <i>Helix hallioides</i> Fabr.
7	<b>grœnlandica</b> Beck. <i>N. borealis</i> Brod. & Sowb.	10	<b>lanigera</b> Möll.
7	<b>cornea</b> Möll. an <i>N. fragilis</i> Sab. var. ?	10	<b>Sigaretus ? Grœnlandicus</b> Möll.
7	<b>nana</b> Möll.	11	<b>Buccinum glaciale</b> Lin.
7	<b>Amaura</b> Möll. (n. g.)	11	<b>scalariforme</b> Beck.
7	<b>candida</b> Möll.	11	<b>undulatum</b> Möll.
8	<b>Margaritastriata</b> Brod., Sowb. var. <i>grœnlandica.</i>	11	<b>cyaneum</b> Beck. <i>B. undatum</i> Fabr.
8	<b>undulata</b> Sowb.	12	<b>Humphreysianum</b> Benn.
	var. <i>lævior.</i>	12	<b>ciliatum.</b> <i>Trit. ciliatum</i> Fabr.
	var. <i>trochiformis.</i> <i>Trochus cinerarius</i> Fabr.	12	<b>Purpura lapillus</b> Lam.
8	<b>helicina.</b> <i>Trochus helycinus</i> Fabr.	12	<b>Trichotropis Atlantica</b> Beck.
8	<b>glauca</b> Möll.	12	<b>conica</b> Möll.
8	<b>Vahlîi</b> Möll.	12	<b>Mangelia Holbollîi</b> Beck.
		12	<b>Defrancina nobilis</b> Möll.

Page.		Page.	
12	<b>Defrancia scalaris</b> Möll.	15	<b>Fusus latericeus</b> Möll.
12	<i>exarata</i> Möll.	15	<b>Kroyeri</b> Möll.
13	<b>Woodiana</b> Möll.	15	<b>Islandicus</b> Lin.
	<i>Pleur. turricula</i> Wood.	15	<b>Holbollii</b> Möll.
13	<b>elegans</b> Möll.	15	<b>Mitra Grœnlandica</b> Beck.
13	<b>cinerea</b> Möll.	15	<b>Admete</b> Krøyer (n. g.)
13	<b>Pingelii</b> Beck.	15	<i>crispa</i> Möll.
13	<b>Vahlîi</b> Beck.	16	<b>Lottia testudinalis</b> .
13	<b>cylindracea</b> Möll.		<i>Patella testudinalis</i> Lin.
14	<b>Beckii</b> Möll.	16	<b>Cemoria fissurella</b> .
14	<b>livida</b> Möll.		<i>Patella fissurella</i> Müll.
14	<b>viridula</b> .	16	<b>Patella cerea</b> Möll.
	<i>Tritonium viridulum</i> Fabr.		an <i>P. candida</i> Couth. ?
14	<b>Trophon Fabricii</b> Beck.	16	<i>rubella</i> Fabr.
14	<b>clathratum</b> .	16	<b>Chiton ruber</b> Lin.
	<i>Trit. clathratum</i> Fabr.		<i>C. marmoreus</i> Fabr.
14	<b>Banffii</b> .		var. <b>unicolor</b> .
	<i>Murex Banffii</i> Donovan.		<i>cinereus</i> Fabr.
14	<b>Fusus carinatus</b> Lam. ?	16	<b>albus</b> Lin.
	var. <b>ventricosa</b> .		

#### ACEPHALA.

16	<b>Pecten Islandicus</b> Chem.	19	<b>Modolia faba</b> .
16	<b>Lima sulcata</b> Leach.		<i>Mytilus faba</i> Fabr.
17	<b>Nucula tenuis</b> Gray.	19	? <b>cicercula</b> Möll.
17	<i>corticata</i> Holb.	19	? <b>vitrea</b> Holb.
17	<i>lenticula</i> Möll.		an <i>Myt. decussatus</i> Mont.
17	<b>Leda buccata</b> Stp.	19	<b>Astarte arctica</b>
	an <i>Nuc. rostrata</i> Lam. ?		<i>Crassina arctica</i> Gray.
	var. <b>brevis</b> .	19	<b>semisulcata</b> .
	var. <b>lævior</b> .		<i>Crassina semisulcata</i> Gray.
17	<b>macilenta</b> Stp.	19	<b>Banksii</b> .
17	<b>minuta</b> .		<i>Nicania Banksii</i> Sab.
	<i>Arca minuta</i> Fabr.	20	<b>striata</b> .
	var. <b>tumida</b> .		<i>Nicania striata</i> Leach.
17	<b>complanata</b> Möll.	20	<b>globosa</b> Möll.
18	<b>Yoldia</b> Möll. (n. g.)	20	<b>Cardium Grœnlandicum</b>
18	<b>arctica</b> .		Chemn.
	<i>Nucula arctica</i> Gray.		<i>Venus Islandica</i> Fabr.
19	<b>angularis</b> Möll.	20	<b>Islandicum</b> Chemn.
	<i>Nucula myalis</i> Couth.		<i>C. ciliatum</i> Fabr.
19	<b>Mytilus edulis</b> Lin.	20	<b>elegantulum</b> Beck.
19	<b>Modiola discrepans</b> Sowb.	20	<b>Lesœa minuta</b> .
19	<b>discors</b> .		<i>Venus minuta</i> Fabr.
	<i>Mytilus discors</i> Lin.	20	<b>Tellina calcarea</b> Gmel.

Page.		Page.	
20	<b>Tellina fragilis.</b>	21	<b>Mya truncata</b> <i>Lin.</i>
	<i>Venus fragilis</i> Fabr.	21	<b>arenaria</b> <i>Lin.</i>
20	<b>Cryptodon flexuosum.</b>	21	<b>Hiatella arctica.</b>
	<i>C. flexuosum</i> Turt. ?		<i>Mya arctica</i> Fabr.
20	<b>Cyclas Steenbuchii</b> <i>Möll.</i>		<i>byssifera</i> Fabr.
20	<b>Pandorina arenosa</b> <i>Möll.</i>	21	<b>Teredo navalis</b> <i>Lin. ?</i>
21	<b>Thracia myopsis</b> <i>Beck.</i>		

**TUNICATA.**

21	<b>Chelyosoma Macleayanum</b>	22	<b>Ascidia echinata</b> <i>Lin.</i>
	<i>Brod. &amp; Sowb.</i>	22	<b>conchilega</b> <i>Müll.</i>
21	<b>Cynthia glutinans</b> <i>Möll.</i>	22	<b>complanata</b> <i>Fabr.</i>
22	<b>Ascidia monoceros</b> <i>Möll.</i>	22	<b>lurida</b> <i>Möll.</i>
22	<b>pyriformis</b> <i>Rathke.</i>	22	<b>Clavelina crystallina</b> <i>Möll.</i>
22	<b>villosa</b> <i>Fabr.</i>	22	<b>Boltenia reniformis</b> <i>M'Leay.</i>
22	<b>quadridentata</b> <i>Lin.</i>		<i>Ascidia clavata</i> Fabr.
22	<b>rustica</b> <i>Lin.</i>	22	<b>ciliata</b> <i>Möll.</i>

**BRACHIOPODA.**

- 23 **Terebratula psittacea** *Lam.*
- 
- 23 **Doris fusca** *Fabr.*

(There are also diagnoses of undetermined nudibranchiate Gasteropods.—W. G. B.)

**Conrad.**—Description of three new Species of *Unio* from the Rivers of the United States: by T. A. CONRAD. (From Journ. Phila. Acad. Nat. Sci., vol. viii, 1842.)

Page.	Name.	Locality.
178	<b>Unio perplicatus</b> <i>Conrad.</i>	Jackson, La.
179	<b>nodiferus</b> <i>Conrad.</i>	Jackson, La.
179	<b>parallelus</b> <i>Conrad.</i>	Jackson, La.

**Philipps.**—Description of a new American Species of the Genus *Helix*: by J. S. PHILIPPS. (From same.)

Page.	Name.	Locality.
182	<b>Helix lasmodon</b> <i>Philipps.</i>	Alabama.

**Haldeman.**—Description of five new Species of North American Fresh-water Shells: by S. S. HALDEMAN. (From same.)

Page.	Name.	Locality.
200	<b>Amnicola attenuata</b> <i>Hald.</i>	Montgomery Co., Va.
200	<b>lapidaria</b> <i>Say</i> (notes on).	
200	<b>Sayana</b> <i>Anthony</i> (notes on).	
200	<i>Cincinnatiensis</i> <i>Lea</i> = <b>Sayana</b> (notes on).	
200	<b>Melania integra</b> = <b>Amnicola</b> (notes on).	
200	<b>Physa globosa</b> <i>Hald.</i>	Nolachucky river.
201	<b>Unio puniceus</b> <i>Hald.</i>	Holston river, Va.
202	<b>abacus</b> <i>Hald.</i>	Holston river, Tenn.
202	<b>Anodon plicatus</b> <i>Hald.</i>	Cumberland riv., Ten.

**De Kay.**—Zoology of New York: by JAMES E. DE KAY. Part V. Mollusca 4to. pp. 271, 40 plates. Albany, 1843.

(The State Report. Descriptions of the families, genera, &c. are also given. The letters e. l. are placed against the species described as extra limital; many of the other species, however, had not been detected in the State.)

**CEPHALOPODA.**

**Sepiadae.**

Page.	Plate.	Fig.	Name.	Locality.
3	i	1	<b>Lolligo punctata</b> <i>De Kay.</i>	
4	xxxviii	354	<b>Pealeii</b> <i>Les.</i> , e. l.	South Carolina.
4			<b>ilicebrosa</b> <i>Les.</i> , e. l.	Massachusetts.
4			<b>Bartlingii</b> <i>Les.</i> , e. l.	Gulf stream.
4	xxxviii	353	<b>pavo</b> <i>Les.</i> , e. l.	Massachusetts.
4	xxxvii	352	<b>Bartrami</b> <i>Les.</i> , e. l.	Coast of U. S.
4	xxxvii	351	<b>brevipinna</b> <i>Les.</i> , e. l.	Delaware bay.

**Siphonidae.**

5	xxxv	332	<b>Spirula Peronii</b> <i>Lam.</i> <i>Nautilus spirula</i> <i>Linn.</i> <i>Spirula australis</i> <i>Cuvier.</i>
---	------	-----	---

**PTEROPODA.**

**Clionidae.**

6	i	2	<b>Clio borealis</b> <i>Linn.</i>
---	---	---	-----------------------------------

**GASTEROPODA.**

**NUDIBRANCHIA.**

**Doridae.**

8			<b>Doris illuminata</b> <i>Gould</i> , e. l.	Boston bay.
---	--	--	--	-------------



**Tritonidæ.**

Page.	Plate.	Fig.	Name.	Locality.
8	v	94	<b>Tritonia Reynoldsi</b> <i>Couth.</i> <i>T. arborescens</i> Gould.	

**Glaucidæ.**

9	v	96	<b>Eolidia Bostoniensis</b> <i>Couth.</i> <i>Eolis Bostoniensis</i> <i>Couth.</i> <i>rudibranchialis</i> Gould?	
9	v	97	<b>diversa</b> <i>Couth.</i> <i>Eolis diversa</i> <i>Couth.</i>	
10	v	95	<b>gymnota</b> <i>Couth.</i> <i>Eolis (Tergipes) gymnota</i> <i>Couth.</i>	
11	vi	116	<b>Cavolina salmonacea</b> <i>Couth.</i> <i>Eolis salmonacea</i> Gould.	
11			<b>Filurus (n. g.) dubius</b> <i>De Kay.</i>	

**INFRABRANCHIA.**

12	v	98 a, b	<b>Ancylus rivularis</b> <i>Say.</i>	
13	v	99 a, b	<b>calcarius</b> <i>De Kay.</i>	
13			<b>fuscus</b> <i>Adams.</i>	
13			<b>tardus</b> <i>Say, e. l.</i>	Wabash river.
13			<b>filosus</b> <i>Conrad, e. l.</i>	Alabama.
13			<b>Nuttallii</b> <i>Hald.</i>	Oregon.
13			<b>diaphanus</b> <i>Hald.</i>	Ohio.
13			<b>parallelus</b> <i>Hald.</i>	

**TECTIBRANCHIA.****Aceridæ.**

14	v	100 a, b	<b>Bulla insculpta</b> <i>Totten.</i>	
15	v	101	<b>Gouldii</b> <i>Couth.</i>	
15	v	102	<b>obstricta</b> <i>Gould.</i>	
16			<i>Bulla fluviatilis</i> <i>Say</i> , is referred doubtfully to <i>Physa</i> <b>planorbula</b> <i>De Kay.</i>	
16	xxxv	334	<b>Bulla lineolata</b> <i>Couth.</i>	
17	xxxv	326	<b>triticea</b> <i>Couth.</i>	
17	xxxv	329	<b>debilis</b> <i>Gould.</i>	
18			<i>Bulla fontinalis</i> <i>Say</i> , referred doubtfully to a <i>Physa</i> .	
18	xxxv	335	<b>Bulla hemalis</b> <i>Couth.</i>	
18	xxxv	327	<b>oryza</b> <i>Totten.</i>	
19	xxxv	328	<b>canaliculata</b> <i>Say.</i> <i>Volvaria canaliculata</i> <i>Say.</i> <i>Bullina canaliculata</i> <i>Say.</i>	
19			<b>soltaria</b> <i>Say, e. l.</i> <i>Bulla insculpta?</i>	Southern coast.

## PULMONBRANCHIA.

**Limacidæ.**

Page.	Plate.	Fig.	Name.	Locality.
20	i	4	<b>Limax agrestis</b> <i>Linn.</i> <i>L. tunicata</i> Gould.	
21	i	5	<b>flavus</b> <i>Linn.</i> <i>L. variegatus</i> Lam.	
22			<b>campestris</b> <i>Binney.</i>	
22			<b>gracilis</b> <i>Ferussac, e. l.</i>	Western States.
22			<b>dorsalis</b> ( <i>Philomycus</i> ) <i>Binney, e. l.</i>	Vt., Mass.
23			<b>Arion hortensis</b> <i>Lam.</i> <i>Limax hortensis</i> Lam.	
24	iii	1	<b>Tebennophorus Caroliniensis</b> <i>Bosc.</i> <i>Limax Caroliniensis</i> Bosc. <i>togata</i> Gould.	

**Helicidæ.**

25	iii	42 a, b	<b>Vitrina pellucida</b> <i>Draparnaud.</i>
26	ii	12	<b>Helix albolabris</b> <i>Say.</i> <i>Cochlea Virginiana</i> Lister.
27	ii	11 a, b	<b>appressa</b> <i>Say.</i> <i>H. linguifera</i> Ferussac.
27	ii	6 a, b	<b>exoleta</b> <i>Binney.</i> <i>H. zaleta</i> <i>Say.</i> <i>albolabris, var. unidentata</i> Ferussac.
28	ii	7 a, b	<b>tridentata</b> <i>Say.</i>
28	iii	23 a, b	<b>fallax</b> <i>Say.</i> <i>H. tridentata (var.)</i> Binney.
29	ii	8 a, b	<b>thyroidus</b> <i>Say.</i> <i>Cochlea umbilicata</i> Lister.
29	ii	9	<b>alternata</b> <i>Say.</i> <i>H. scabra</i> Lam.
30	ii	10 a, b, c	<b>arborea</b> <i>Say.</i>
30			<b>electrina</b> <i>Gould.</i>
31	iii	26 a, b	<b>indentata</b> <i>Say.</i>
31	ii	13 a, b	<b>clausa</b> <i>Say.</i>
32	ii	14 a, b	<b>subglobosa</b> <i>Binney.</i>
	iii	39 a, b	<i>H. hortensis</i> Gould.
33	ii	15 a, b	<b>concava</b> <i>Say.</i>
33	iii	36 a, b	<b>palliata</b> <i>Say.</i>
	ii	16 a, b	<i>H. obstricta</i> <i>Say.</i> <i>denotata</i> Ferussac. <i>Carolinensis</i> Lea. <i>Carocolla helicoides</i> Lea.
34	ii	17 a, b	<b>dentifera</b> <i>Binney.</i>

Page.	Plate.	Fig.	Name.	Locality.
34	ii	18 a, b	<b>Helix diodonta</b> Say.	
35	iii	19, 21 a, b	<b>monodon</b> Rackett. <i>H. fraterna</i> Say. <i>convexa</i> Lam.	
36	iii	27 a, b	<b>hirsuta</b> Say.	
36	iii	20 a, b	<b>elevata</b> Say. <i>H. Knoxvilliana</i> Say.	
37	iii	22	<b>fuliginosa</b> Griffith.	
37	iii	35 a, b	<b>cellaria</b> Müller. <i>H. glaphyra</i> Say. <i>nitida</i> Draparnaud.	
38	iii	24 a, b	<b>suppressa</b> Say.	
38	iii	29	<b>intertexta</b> Gould.	
39			<b>inornata</b> Say.	
39	iii	31	<b>labyrinthica</b> Say.	
40	iii	32 a, b	<b>ligera</b> Say?	
40	iii	33 a, b	<b>minuta</b> Say. <i>H. pulchella</i> Binney.	
41	iii	34 a, b	<b>multilineata</b> Say.	
41	iii	35 a, b	<b>Pennsylvanica</b> Green.	
42	iii	38 a, b	<b>perspectiva</b> Say.	
42	iii	37 a, b, c	<b>profunda</b> Say. <i>H. Richardi</i> Ferussac.	
43	iii	40 a, b, c	<b>striatella</b> Anthony. <i>H. ruderata</i> Studer?	
43	iii	41 a, b	<b>solitaria</b> Say.	
44	iii	30 a, b	<b>rufa</b> De Kay.	
44			<b>lineata</b> Say. <i>Planorbis parallelus</i> Say.	
44	xxxv	338	<b>chersina</b> Say.	
45			<b>major</b> Binney, e. l.	Southern States.
45			<b>inflecta</b> Say, e. l.	N. C., W'm St's.
45			<b>irrorata</b> Say, e. l. var. <i>lactea</i> Ferussac.	Pennsylvania.
45			<b>corpuloides</b> Montagu, e. l.	Near Boston.
45			<b>egena</b> Say, e. l.	Pennsylvania.
45			<b>Mitchelliana</b> Lea, e. l.	Ohio.
45			<b>porcina</b> Say, e. l.	N. W. Territory.
45			<b>Vancouverensis</b> Lea, e. l.	Oregon.
46			<b>interna</b> Say, e. l.	Missouri.
46			<b>Nuttalliana</b> Lea, e. l.	Oregon.
46			<b>Columbiana</b> Lea, e. l.	Columbia river.
46			<b>Californiensis</b> Lea, e. l.	California.
46			<b>gularis</b> Say, e. l.	Ohio.
46			<b>Townsendiana</b> Lea, e. l.	Columbia river.

Page.	Plate.	Fig.	Name.	Locality.
46			<b>Helix jejuna</b> Say, e. l.	Southern States.
46			<b>Oregonensis</b> Lea, e. l.	Oregon.
46			<b>dealbata</b> Say, e. l.	Ala., Missouri.
46			<b>Wardiana</b> Lea, e. l.	Ohio.
47	iii	28	<b>auriculata</b> Say ( <b>Polygyra</b> ), e. l.	Florida.
47			<b>Sayii</b> Wood, e. l.	
47			<b>septemvolva</b> Say, e. l.	Georgia, Florida.
47			<b>avara</b> Say, e. l.	Florida, Carolina.
47			<b>aspersa</b> Ferussac, e. l.	
47	vi	114 a, b	<b>spinosa</b> Lea, e. l.	Alabama.
47			<b>Cumberlandiana</b> Lea, e. l.	Tennessee.
47			<b>lasmodon</b> Philipps, e. l.	Alabama.
48	iv	44	<b>Pupa millium</b> Gould.	
49	iv	45	<b>badia</b> Adams. <i>Pupilla badia</i> Gould.	
49	iv	46	<b>exigua</b> Say.	
49	iv	47	<b>contracta</b> Say.	
50	iv	50	<b>ovata</b> Say. <i>P. modesta</i> Say.	
50	iv	49	<b>corticaria</b> Say.	
50	iv	48	<b>pentodon</b> Say. <i>P. curvidens</i> Gould.	
	xxxv	337	<i>Tappaniana</i> Adams.	
51	xxxv	331	<b>fallax</b> Say. <i>Cyclostoma marginata</i> Say. <i>P. placida</i> Say ( <b>Bulimus hordeaceus</b> ). <i>albilabris</i> Adams.	
52			<b>armifera</b> Say.	
52	xxxvi	347	<b>simplex</b> Gould.	
52			<b>rupicola</b> Say, e. l.	Florida.
53	iv	51, 52	<b>Succinea ovalis</b> Say. <i>S. lineata</i> De Kay, ined.	
53	iv	53	<b>obliqua</b> Say.	
54	iv	54 a, b	<b>campestris</b> Say.	
54	iv	55	<b>avara</b> Say. <i>S. vermeta</i> Say?	
55			<b>retusa</b> Lea, e. l.	Cincinnati.
55	iii	43	<b>Bulimus lubricus</b> Bruguiere.	
56			<b>mutilatus</b> Say, e. l.	Charleston.
56			<b>multilineatus</b> Say, e. l.	Florida.
56			<b>Achatina solida</b> Say, e. l.	Florida.
56	iv	56	<b>vexillum</b> Humphreys, e. l.	Florida.
56			<b>virginea</b> Linn., e. l.	Florida.
56			<b>striata</b> Ferussac, e. l.	Florida.
56			<b>flammigera</b> Ferussac, e. l.	Florida.

Page.	Plate.	Fig.	Name.	Locality.
56			<b>Glandina truncata</b> Say, e. l. <i>Planorbis glans</i> Say.	S. C. & Florida.
<b>Auriculiadæ.</b>				
57	v	92, 1—3	<b>Auricula bidentata</b> Say. <i>Melampus bidentatus</i> Say. <i>A. cornea</i> Lam.	
58	v	91, 93	<b>denticulata</b> Montagu. <i>Voluta denticulata</i> Mont. <i>A. personata</i> Lam. <i>borealis</i> Conrad.	
58			<b>obliqua</b> Say, e. l.	Charleston.
<b>Limniadæ.</b>				
59	iv	59 a, b	<b>Planorbis trivolvis</b> Say.	
60	iv	63 a, b	<b>bicarinatus</b> Say.	
60	v	80* a, b	<b>lentus</b> Say.	
61	iv	60, 61	<b>megastoma</b> De Kay.	
61	v	99* a, b	<b>campanulatus</b> Say.	
62	iv	57 a, b	<b>obliquus</b> De Kay.	
62	iv	64 a, b, c	<b>armigerus</b> Say. <i>Discus armigerus</i> Hald.	
63	iv	62 a, b	<b>exacutus</b> Say.	
63	iv	58	<b>parvus</b> Say.	
64	viii	185* a, b	<b>corpulentus</b> Say.	
64			<b>hirsutus</b> Gould.	
65			<b>elevatus</b> Adams.	
65			<b>deflectus</b> Say.	
66			<b>dilatatus</b> Gould. <i>P. lens</i> Lea?	
66			<b>glabratus</b> Say, e. l.	South Carolina.
66			<b>antrorsus</b> Conrad, e. l.	Alabama.
66			<b>virens</b> Adams, e. l.	Vermont.
67	v	80	<b>Limnea catascopium</b> Say. <i>L. pinguis</i> Say? <i>decollata</i> Adams.	
68	iv	68	<b>fragilis</b> Linn. <i>Helix fragilis</i> Linn. <i>Limnea elodes</i> Say.	
68	iv	76	<b>umbrosa</b> Say. <i>Limneus elongatus</i> Say.	
69	iv	66, 69	<b>caperata</b> Say.	
	v	79	<i>L. umbilicata</i> Adams.	
69	iv	67	<b>pallida</b> Adams.	
70	iv	70	<b>me gasoma</b> Say.	

Page.	Plate.	Fig.	Name.	Locality.
70	iv	73	<b>Limnea gracilis</b> Jay.	
71	iv	71 a, b	<b>humilis</b> Say. <i>L. modicella</i> Say?	
71	iv	65, 72 a, b	<b>reflexa</b> Say. <i>L. exilis</i> Lea.	
72	iv	74 a, b	<b>Linsleyi</b> De Kay.	
72	iv	75	<b>columella</b> Say. <i>L. macrostoma</i> Say. <i>acuminata</i> Adams.	
73	iv	77	<b>emarginata</b> Say.	
73	v	78	<b>desidiosa</b> Say. <i>L. acuta</i> Lea. <i>casta</i> Lea? <i>L. Philadelphica</i> Lea.	
74	v	81	<b>jugularis</b> Say. <i>L. stagnalis</i> Kirtland.	
74			<b>appressa</b> Say.	
75			<b>obrussa</b> Say, e. l. <i>L. decidiosa</i> Hald.?	Philadelphia.
75			<b>ferruginea</b> Hald., e. l.	Oregon.
75			<b>rugosa</b> Valenciennes, e. l.	Mexico.
75			<b>attenuata</b> Say, e. l.	Mexico.
75	xxxvi	348	<b>expansa</b> Hald., e. l.	Vermont.
75			<b>solida et apicina</b> Lea, e. l.	Oregon.
75			<b>bulimoides</b> Lea, e. l.	Oregon.
75			<b>vitrea</b> Hald., e. l.	Ohio? Missouri.
76	v	82	<b>Physa heterostropha</b> Say. <i>Limnea heterostropha</i> Say.	
76	v	83	<b>planorbula</b> De Kay. <i>Bulla fluviatilis</i> Say?	
77	v	82	<b>cylindrica</b> Newcomb, ined.	
77			<b>elliptica</b> De Kay. <i>P. cylindrica</i> Lea.	
78	v	85	<b>plicata</b> De Kay.	
78	v	86	<b>obesa</b> De Kay.	
78	v	90	<b>ancillaria</b> Say.	
79	v	87	<b>gyrina</b> Say?	
80	v	88	<b>glabra</b> De Kay.	
80	v	89 a, b	<b>aurea</b> Lea.	
81	xxxvi	346	<b>elongata</b> Say.	
81			<b>pomilia</b> Conrad, e. l.	Alabama.
81			<b>integra</b> Hald., e. l.	Indiana.
81			<b>concolor</b> Hald., e. l.	Oregon.
81			<b>Sayii</b> Tappan, e. l. (no description given).	
81			<b>globosa</b> Hald., e. l.	Virginia.

**Cyclostomidæ.**

Page.	Plate.	Fig.	Name.	Locality.
82			<b>Cyclostoma dentata</b> Say, e. l.	Florida.
82			<b>Cincinnatiense</b> Lea, e. l.	Cincinnati.
			<i>A. [Amnicola] Sayana</i> Anthony?	

**Helicinidæ.**

82			<b>Helicina orbiculata</b> Say, e. l.	Florida.
82			<i>fastigiata</i> Say, e. l.	Illinois.
82			<i>plicata</i> Say.	
82			<i>occulta</i> Say, e. l.	Western States.

**PECTINIBRANCHIA.****Turbinidæ.**

84	vi	131 a, b	<b>Paludina dissiscia</b> Say.	
	vii	134	<i>P. decisa</i> Say.	
			<i>ponderosa</i> Deshayes in Lam.	
84	vii	132 a, b	<b>integra</b> Say.	
			<i>P. heros</i> De Kay.	
85	vii	133	<b>isogona</b> Say.	
			<i>P. pallida</i> Lea?	
85			<b>transversa</b> Say, e. l.	Louisiana.
85			<b>intertexta</b> Say, e. l.	Louisiana.
86			<b>ponderosa</b> Say, e. l.	Falls of the Ohio.
			<i>P. heterostropha</i> Kirtland.	
86			<b>Georgiana</b> Lea, e. l.	Darien, Ga.
86			<b>vivipara</b> Say, e. l.	South Carolina.
86			<b>magnifica</b> Conrad, e. l.	Alabama.
86			<b>subpurpurea</b> Say, e. l.	Wabash river.
86			<b>genicula</b> Conrad, e. l.	Georgia.
86			<b>subglobosa</b> Say, e. l.	N. W. Territory.
86			<b>dissimilis</b> Say, e. l.	Pennsylvania.
86			? <b>lapidaria</b> Say, e. l.	Pennsylvania.
			<i>Cyclostoma lapidaria</i> Say.	
87			<b>subcarinata</b> Say, e. l.	Pennsylvania.
87			<b>bimonilifera</b> Lea, e. l.	Alabama river.
87			<b>Amnicola lustrica</b> Say.	
			<i>Paludina lustrica</i> Say.	
88	xxxv	333	<b>porata</b> Say.	
			<i>Paludina porata</i> Say.	
88			<b>limosa</b> Say, e. l.	Delaware.
88			<b>grana</b> Say, e. l.	Pennsylvania.
88			<b>Cincinnatiensis</b> Anthony, e. l.	Cincinnati.
88			<b>Nickliniana</b> Lea, e. l. (no description given).	

Page.	Plate.	Fig.	Name.	Locality.
89	vii	135 a, b	<b>Melania depygis</b> Say.	
90			<b>Niagarensis</b> Lea.	
90	vii	141	<b>virginica</b> Say.	
			<i>Paludina virginica</i> Say.	
91	vii	140 a, b	<b>bizonalis</b> De Kay.	
91	vii	142	<b>gemma</b> De Kay.	
92	vii	138	<b>subularis</b> Lea.	
92			<b>undulata</b> Say, e. l.	Ohio river.
92			<b>Hildrethiana</b> Lea, e. l.	Ohio river.
92			<b>castanea</b> Lea, e. l.	Tennessee.
92			<b>lævis</b> Lea, e. l.	
92			<b>Kirtlandiana</b> Lea, e. l.	Indiana & Ohio.
92			<b>Taitiana</b> Lea, e. l.	Alabama.
93			<b>dubiosa</b> Lea, e. l.	Tennessee.
93			<b>ebenum</b> Lea, e. l.	Tennessee.
93			<b>rufescens</b> Lea, e. l.	Tennessee.
93			<b>tuberculata</b> Lea, e. l.	Tennessee.
			<i>M. stygia</i> Say.	
93			<b>armigera</b> Say, e. l.	Ohio river.
93			<b>Hydei</b> Conrad, e. l.	Alabama.
93			<b>catenaria</b> Say, e. l.	South Carolina.
93			<b>cancellata</b> Say, e. l.	Florida.
93			<b>fusiformis</b> Lea, e. l.	Tennessee.
93			<b>clavæformis</b> Lea, e. l.	Tennessee.
94			<b>gracilis</b> Lea, e. l.	Tennessee.
94			<b>subsolida</b> Lea, e. l.	Tennessee.
94			<b>ocoeënsis</b> Lea, e. l.	Tennessee.
94			<b>subcylindracea</b> Lea, e. l.	Tennessee.
94			<b>sordida</b> Lea, e. l.	Tennessee.
94			<b>regularis</b> Lea, e. l.	Tennessee.
94			<b>fuliginosa</b> Lea, e. l.	Tennessee.
94			<b>alveare</b> Conrad, e. l.	Tennessee.
94			<b>annulifera</b> Conrad, e. l.	Alabama.
94			<b>biteniata</b> Conrad, e. l.	Alabama.
94			<b>canaliculata</b> Say, e. l.	Ohio.
			<i>M. Sayii</i> Conrad.	
95			<b>conica</b> Say, e. l.	Ohio river.
			<i>Anculotus conicus?</i>	
95			<b>Nickliniana</b> Lea, e. l.	Virginia.
95			<b>viridis</b> Lea, e. l.	Ohio.
95			<b>occidentalis</b> Lea, e. l.	Ohio.
95			<b>globula</b> Lea, e. l.	Tennessee.
95			<b>altilis</b> Lea, e. l.	Maryland & S. C.
95			<b>strigosa</b> Lea, e. l.	
95			<b>virgata</b> Lea, e. l.	Tennessee.



Page.	Plate.	Fig.	Name.	Locality.
95			<b>Melania tenebrosa</b> <i>Lea</i> , e. 1.	Tennessee.
95			<b>Cincinnatiensis</b> <i>Lea</i> , e. 1.	Cincinnati.
95			<b>comma</b> <i>Conrad</i> , e. 1.	Alabama.
96			<b>congesta</b> <i>Conrad</i> , e. 1.	Alabama.
96			<b>elevata</b> <i>Say</i> , e. 1.	Ohio river.
			<i>M. elongata</i> <i>Lea</i> ?	
96			<b>excurata</b> <i>Conrad</i> , e. 1.	Alabama.
96			? <b>integra</b> <i>Say</i> , e. 1.	Ohio river.
96			<b>teres</b> <i>Lea</i> , e. 1.	Tennessee.
96			<b>obtusa</b> <i>Lea</i> , e. 1.	Tennessee.
96			<b>Lecontiana</b> <i>Lea</i> , e. 1.	Georgia.
96			<b>rugosa</b> <i>Lea</i> , e. 1.	Tennessee.
96			<b>monozonalis</b> <i>Lea</i> , e. 1.	Tennessee.
96			<b>terebialis</b> <i>Lea</i> , e. 1.	Tennessee.
96			<b>columella</b> <i>Lea</i> , e. 1.	Tennessee.
97			<b>blanda</b> <i>Lea</i> , e. 1.	Tennessee.
97			<b>orebri-costata</b> <i>Lea</i> , e. 1.	Tennessee.
97			<b>laqueata</b> <i>Say</i> , e. 1.	Tennessee.
97			<b>lima</b> <i>Conrad</i> , e. 1.	Alabama.
97			<b>multilineata</b> <i>Say</i> , e. 1.	Penn'a, N. J.
97			<b>nupera</b> <i>Say</i> , e. 1.	Wabash river.
97			<b>nassula</b> <i>Conrad</i> , e. 1.	Alabama.
97			<b>Curreyana</b> <i>Lea</i> , e. 1.	Kentucky.
97			<b>Edgariana</b> <i>Lea</i> , e. 1.	Tennessee.
98			<b>decora</b> <i>Lea</i> , e. 1.	Tenn., Ky.
98			<b>costulata</b> <i>Lea</i> , e. 1.	Tenn., Ky.
98			<b>nitens</b> <i>Lea</i> , e. 1.	Tennessee.
98			<b>Deshayesiana</b> <i>Lea</i> , e. 1.	Tennessee.
98			<b>concinna</b> <i>Lea</i> , e. 1.	Tennessee.
98			<b>babylonica</b> <i>Lea</i> , e. 1.	Ohio.
98			<b>arata</b> <i>Lea</i> , e. 1.	Tennessee.
98			? <b>obovata</b> <i>Say</i> , e. 1.	Kentucky river.
98			<b>olivula</b> <i>Conrad</i> , e. 1.	Alabama.
98			<b>prasinata</b> <i>Conrad</i> , e. 1.	Alabama.
99			<b>proxima</b> <i>Say</i> , e. 1.	South Carolina.
99			<b>pyrenella</b> <i>Conrad</i> , e. 1.	North Alabama.
99			<b>Potosiensis</b> <i>Lea</i> , e. 1.	Missouri.
99			<b>acuto-carinata</b> <i>Lea</i> , e. 1.	Tennessee.
99			<b>Warderiana</b> <i>Lea</i> , e. 1.	Virginia.
99			<b>sulcosa</b> <i>Lea</i> , e. 1.	Tennessee.
99			<b>striatula</b> <i>Lea</i> , e. 1.	Tennessee.
99			<b>pillula</b> <i>Lea</i> , e. 1.	Tennessee.
99			<b>circincta</b> <i>Lea</i> , e. 1.	Tennessee.
99			<b>venusta</b> <i>Lea</i> , e. 1.	Tennessee.
99			<b>Florentiana</b> <i>Lea</i> , e. 1.	Tennessee, Ala.
100			<b>salebrosa</b> <i>Conrad</i> , e. 1.	Alabama.

Page.	Plate.	Fig.	Name.	Locality.
100			<b>Melania semicarinata</b> Say, e. l.	Kentucky.
			<i>M. acuta</i> Lea.	
100			<b>simplex</b> Say, e. l.	Virginia.
100			<b>trilineata</b> Say, e. l.	Ohio river.
100			<b>trochiformis</b> Conrad, e. l.	Alabama.
100			<b>Troostiana</b> Lea, e. l. [no description].	
100			<b>Duttoniana</b> Lea, e. l.	Tennessee.
100			<b>Holstonia</b> Lea, e. l.	Tennessee.
100			<b>caliginosa</b> Lea, e. l.	Tennessee.
100			<b>nodulosa</b> Lea, e. l.	Tennessee.
100			<b>Boykiniana</b> Lea, e. l.	Georgia.
101			<b>catenoides</b> Lea, e. l.	Georgia.
101			<b>vestita</b> Conrad, e. l.	
101			<b>Anculosus carinatus</b> De Kay.	
			<i>A. dissimilis?</i>	
102	vii	137	<b>Anculotus trivittatus</b> De Kay.	
102			<b>angulatus</b> Conrad, e. l.	Alabama.
102	vii	139	<b>costatus</b> Anthony, e. l.	Ohio.
102			<b>dentatus</b> Couth., e. l.	Virginia.
102			<b>melanoides</b> Conrad, e. l.	Alabama.
102			<b>monodontoides</b> Conrad, e. l.	Virginia.
102			<b>nigrescens</b> Conrad, e. l.	Maryland.
103		25	<b>plicatus</b> Conrad, e. l.	Alabama.
103			<b>pictus</b> Conrad, e. l.	Alabama river.
103			<b>prærosus</b> Say, e. l.	Ohio.
103			<b>pumilus</b> Conrad, e. l.	Alabama.
103			<b>subglobosus</b> Say, e. l.	Virginia.
103			<b>tæniatus</b> Say, e. l.	Alabama.
103			<b>Io fusiformis</b> Lea, e. l.	Virginia.
			<i>Fusus fluviatilis</i> Say.	
104	v	103	<b>Littorina rudis</b> Montagu.	
			<i>Turbo rudis</i> Montagu.	
			<i>obligatus</i> Say.	
105	vi	106	<b>tenebrosa</b> Montagu.	
			<i>Turbo tenebrosus</i> Montagu.	
			<i>vestitus</i> Say.	
105	vi	109-11	<b>neritoides</b> Linn.	
			<i>Turbo neritoides</i> Linn.	
			<i>L. palliata</i> Gould.	
106	vi	112 a, b	<b>irrorata</b> Say.	
			<i>Turbo irroratus</i> Say.	
106	v	105	<b>palliata</b> Say.	
			<i>Turbo palliatus</i> Say.	
107	vi	104	<b>Margarita ornata</b> De Kay.	
107			<b>undulata</b> Sowerby.	
			<i>Turbo incarnatus</i> Couth.	

Page.	Plate.	Fig.	Name.	Locality.
108	vi	107	<b>Margarita arctica</b> <i>Lea.</i> <i>Turbo inflatus</i> Totten.	
108	vi	113	<b>cinerea</b> <i>Couth.</i> <i>Turbo cinereus</i> Couth.	
109	vi	108	<b>multilineata</b> <i>De Kay.</i>	
109			<b>obscura</b> <i>Couth.</i> , e. l.	Massachusetts.
109			<b>argentata</b> <i>Gould</i> , e. l.	Massachusetts.
110	iv	117	<b>Cingula minuta</b> <i>Totten.</i> <i>Turbo minutus</i> Totten.	
110	vi	115	<b>aculeus</b> <i>Gould.</i>	
111	vi	118	<b>lævis</b> <i>De Kay.</i>	
111	vi	119 a, b, c	<b>Lacuna vincta</b> <i>Montagu.</i> <i>Turbo vinctus</i> Montagu. <i>L. pertusa</i> Conrad. <i>Turbo quadrifasciatus.</i>	
112			<b>neritoidea</b> <i>Gould</i> , e. l.	Massachusetts.
112	vi	123	<b>Turritella interrupta</b> <i>Totten.</i> <i>Eulima?</i> <i>interrupta</i> Gould.	
113	vi	122	<b>erosa</b> <i>Couth.</i>	
113			<b>impressa</b> <i>Say</i> , e. l.	Seacoast.
113			<b>æqualis</b> <i>Say</i> , e. l.	Seacoast.
113			<b>alternata</b> <i>Say</i> , e. l.	Seacoast.
113			<b>concava</b> <i>Say</i> , e. l.	South Carolina.
114	viii	169	<b>Pyramis striatula</b> <i>Couth.</i>	
114	viii	170	<b>Odostomia trifida</b> <i>Totten.</i> <i>Actæon trifidus</i> Totten.	
115	viii	171	<b>seminuda</b> <i>Adams.</i> <i>Jaminia seminuda</i> Adams. <i>Pyramis fusca</i> Adams.	
115	xxxi	297	<b>insculpta</b> <i>De Kay.</i>	
116	xxxvi	342	<b>fusca</b> <i>Adams.</i> <i>Pyramis fusca</i> Adams.	
116	xxxi	296	<b>producta</b> <i>Adams</i> , e. l. <i>Jaminia producta</i> Adams.	Massachusetts.
116	xxxi	294-95	<b>exigua</b> <i>Couth.</i> , e. l. <i>Jaminia exigua</i> Couth. <i>Turritella bisuturalis</i> Say.	Massachusetts.
117	xxxvi	349	<b>Vermetus lumbricalis</b> <i>Lin.</i> , e. l.	Northern coast.
117	xxxii	203	<b>Skenea serpuloides</b> <i>Adams.</i> <i>Delphinula serpuloides</i> Adams.	
117			? <b>laxa</b> <i>Say</i> , e. l. <i>Delphinula laxa</i> Say.	South Carolina.
118	vi	130 a, b	<b>Valvata tricarinata</b> <i>Say.</i> <i>Cyclostoma tricarinata</i> Say.	
118	vi	129	<b>unicarinata</b> <i>De Kay.</i>	
119	vi	127-28	<b>sincera</b> <i>Say.</i>	

Page.	Plate.	Fig.	Name.	Locality.
119			<b>Valvata arenifera</b> <i>Lea</i> is the larva-case of some insect.	
119			<b>pupoidea</b> <i>Gould</i> , e. l.	Massachusetts.
120	vii	148	<b>Natica heros</b> <i>Say</i> .	
121	vii	147	<b>duplicata</b> <i>Say</i> .	
121	vii	144	<b>triseriata</b> <i>Say</i> .	
122	vii	146	<b>immaculata</b> <i>Totten</i> .	
122	vii	150	<b>clausa</b> <i>Sowerby</i> .	
			<i>N. consolidata</i> <i>Couth</i> .	
123	vii	145	<b>pusilla</b> <i>Say</i> .	
123			<b>flava</b> <i>Gould</i> .	
123			<b>canrena</b> <i>Lam</i> .	Asiatic, not Am.
123			<b>alba</b> <i>Say</i> [no description: doubtful].	
123			<b>lunata</b> <i>Say</i> [no description: doubtful].	

**Trochidæ.**

124			<b>Ampullaria Hopetonensis</b> <i>Lea</i> , e. l.	Georgia.
124			<b>rotundata</b> <i>Say</i> , e. l.	Florida.
124			<b>paludosa et depressa</b> <i>Say</i> , e. l.	Florida.
124			<i>Ampullaria penesma</i> <i>Say</i> , MSS.	
			<i>disseminata</i> <i>Say</i> , MSS.	
125	xxxvi	360	<b>Janthina fragilis</b> <i>Bruguiere</i> .	
125	vi	124 a, b	<b>Scalaria subulata</b> <i>Couth</i> .	
			<i>S. Grælandica</i> <i>Gould</i> .	
			<i>Turbo clathrus-Grælandicus</i> <i>Chemnitz</i> .	
126	vi	125	<b>lineata</b> <i>Say</i> .	
126			<b>multistriata</b> <i>Say</i> .	
127	vi	126	<b>Novangliæ</b> <i>Couth</i> , e. l.	
127			<b>clathrus</b> <i>Linn.</i> , e. l.	Southern coast.
127			<b>turbinata</b> <i>Conrad</i> , e. l.	North Carolina.
127	vii	143	<b>Tornatella puncto-striata</b> <i>Adams</i> .	
128			<b>Pirena scalariformis</b> <i>Say</i> , e. l.	Florida Keys.

**Cerithidæ.**

128	viii	167	<b>Cerithium Sayii</b> <i>Gould</i> .	
			<i>Pasithea nigra</i> <i>Totten</i> .	
			<i>Cerithium reticulatum</i> <i>Totten</i> .	
129			<b>ferrugineum</b> <i>Say</i> , e. l.	Florida.
129	viii	168	<b>Emersonii</b> <i>Adams</i> , e. l.	Nantucket.
129			<b>septemstriatum</b> <i>Say</i> , e. l.	Florida.
129			<b>nigrocinctum</b> <i>Adams</i> , e. l.	Massachusetts.
130	viii	172	<b>terebrale</b> <i>Adams</i> , e. l.	Massachusetts.
130			<b>Greeni</b> <i>Adams</i> , e. l.	Massachusetts.
130			<b>muscarum</b> <i>Say</i> , e. l.	Florida.

**Purpuridæ.**

130	vii	161	<b>Buccinum undatum</b> <i>Linn</i> .	
-----	-----	-----	---------------------------------------	--

Page.	Plate.	Fig.	Name.	Locality.
131	vii	162*	<b>Buccinum lunatum</b> Say. <i>Nassa lunata</i> Say.	
132	vii	162	<b>Wheatleyi</b> De Kay.	
132	viii	165	<b>trivittatum</b> Say. <i>Nassa trivittata</i> Say.	
133	viii	163-64	<b>obsoletum</b> Say. <i>Nassa obsoleta</i> Say. <i>B. Noveboracensis</i> Wood. <i>olivæformis</i> Kiener.	
133			<b>vibex</b> Say. <i>Nassa vibex</i> Say.	
134			<b>Donovani</b> Gould, e. l.	
134			<b>ciliatum</b> Gould, e. l.	
134			<b>rosaceum</b> Gould, e. l.	
134			<b>acutum</b> Say, e. l.	Southern coast.
134			<b>unicinctum</b> Say, e. l.	South Carolina.
134			<b>ornatum</b> Say, e. l.	Southern coast.
134			<b>album</b> Say, e. l.	Florida.
135	viii	175	<b>Purpura lapillus</b> Linn. <i>Buccinum lapillus</i> Linn.	
136	viii	173	<b>imbricata</b> Lam. <i>P. lapillus</i> (var.) Russel.	
136	viii	174	<b>bizonalis</b> Lam. <i>P. lapillus</i> (var.) Gould	
136			<b>Floridana</b> Conrad, e. l.	Florida, Ala.
137	viii	178 a, b	<b>Trichotropis borealis</b> Sowerby. <i>T. costellatus</i> Couth.	
138	vii	160	<b>Cancellaria Couthouyl</b> Jay. <i>C. buccinoides</i> Couth.	
139	viii	176 a, b	<b>Ranella caudata</b> Say.	
139	viii	179	<b>Columbella avara</b> Say.	
140	ix	190	<b>Pyrula canaliculata</b> Linn. <i>Murex canaliculatus</i> Linn.	
141	ix	192-93	<b>carica</b> Linn. <i>Murex carica</i> Linn.	
142	viii	180-81	<b>spirata</b> Lam. <i>Fulgur pyruloides</i> Say.	
142			<b>papyratia</b> Say, e. l.	Southern coast.
143	viii	182	<b>Fusus scalariformis</b> Gould? <i>F. borealis</i> De Kay.	
144	viii	185	<b>Islandicus</b> Linn. <i>Murex Islandicus</i> Linn <i>F. corneus</i> Say. <i>Islandicus</i> var. <i>pygmæus</i> Gould.	
144	viii	183	<b>ventricosus</b> Gray.	

Page.	Plate.	Fig.	Name.	Locality.
145	viii	184 a, b	<b>Fusus cinereus</b> Say. <i>Buccinum plicosum</i> Gould.	
145	ix	186	<b>decemcostatus</b> Say. <i>F. carinatus</i> Lam.?	
146	ix	187	<b>harpularius</b> Couth.	
146	ix	189	<b>rufus</b> Montagu. <i>Murex rufus</i> Montagu. <i>F. pleurotomarius</i> Couth.	
147	ix	188	<b>imbricatus</b> De Kay.	
147	ix	191	<b>pyruloides</b> De Kay.	
148			<b>tornatus</b> Gould. <i>Murex despectus</i> Linn.	
148	xxxvi	339	<b>bamfius</b> Montagu. <i>Murex bamfius</i> Montagu.	
148			<b>bicolor</b> Say, e. 1.	Florida.
149			<b>muricatus</b> Gould, e. 1.	Northern coast.
149	xxxvi	340	<b>turriculus</b> Gould, e. 1.	
149	vi	113	<b>Pleurotoma bicarinata</b> Couth.	
150	xxxvi	344	<b>decussata</b> Couth.	
150	vi	120	<b>plicata</b> Adams.	
151	viii	177	<b>Rostellaria occidentalis</b> Guérin, e. 1.	Maine.

**Conidæ.**

151			<b>Conus mus</b> Lam., e. 1.	Florida Keys.
151			<b>leucostrictus</b> Gmelin, e. 1.	

**Mitriadæ.**

152	vii	158	<b>Terebra dislocata</b> Say, e. 1. <i>Cerithium dislocatum</i> Say. <i>T. Petitii</i> Kiener.	Md. & S'n coast.
152	vii	157	<b>Oliva literata</b> Lam., e. 1. <i>O. mutica</i> Say.	Southern coast.
152	vii	159	<b>Marginella carnea</b> Storer, e. 1.	Key West.

**Cryptostomidæ.**

153	vii	156 a, b	<b>Sigaretus perspectivus</b> Say.	
153			<b>halioideus</b> Gould, e. 1. <i>S. oxinoë</i> Couth.	Massachusetts.
153			<b>maculatus</b> Say, e. 1.	Southern coast.
154	xxiii	254	<b>Velutina lævigata</b> Linn. <i>Helix lævigata</i> Linn. <i>V. capuloidea</i> Blainville. <i>rupicola</i> Conrad. <i>Galericulum lævigatum</i> Brown.	

Page.	Plate.	Fig.	Name.	Locality.
154	xxiii	253	<b>Velutina zonata</b> Gould. <i>Galericulum ovatum</i> Couth.?	
<b>SCUTIBRANCHIA.</b>				
<b>Calyptriadæ.</b>				
155	vii	155 a, b	<b>Calyptra striata</b> Say.	
156	ix	195	<b>Cemoria Noachina</b> Linn. <i>Patella Noachina</i> Linn. <i>C. Flemingii</i> Leach. <i>Rimula Noachina</i> Couth.	
156			<b>alternata</b> Say? e. l. <i>Fissurella alternata</i> Say.	Coast of U. S.
157	vii	152-4	<b>Crepidula fornicata</b> Linn. <i>Patella fornicata</i> Linn.	
158	vii	153 a, b	<b>plana</b> Say. <i>C. unguiformis</i> Lam.?	
158	vii	131	<b>convexa</b> Say.	
159			<b>glauca</b> Say.	
159			<b>depressa</b> Say, e. l.	Southern coast.
159			<b>intorta</b> Say? e. l.	Southern coast.

**CIRROBRANCHIA.****Dentalidæ.**

160	x	197	<b>Dentalium dentalis</b> Linn.	
161			<b>attenuatum</b> Say, e. l.	Maryland.

**CYCLOBRANCHIA.****Patellidæ.**

161			<b>Patella candida</b> Couth.	
162	ix	196	<b>Patelloidea testudinalis</b> Müller. <i>Patella amœna</i> Say. <i>testudinalis</i> Lea. <i>Lottia testudinalis</i> Gould.	
162	ix	194	<b>alveus</b> Conrad. <i>Patella alveus</i> Conrad. <i>Lottia alveus</i> Gould.	

**Chitonidæ.**

163	x	200	<b>Chiton albus</b> Montagu. <i>C. sagrinatus</i> Couth. <i>aselloides</i> Lowe.	
164	x	201-2	<b>apiculatus</b> Say. <i>C. pectinatus</i> Gould.	
164			<b>marginatus</b> Pennant, e. l.	Massachusetts.

Page.	Plate.	Fig.	Name.	Locality.
165	x	199	<b>Chiton fulminatus</b> <i>Couth.</i> , e. l.	Massachusetts.
165			<b>ruber</b> <i>Lowe</i> , e. l.	Massachusetts.
165	x	198	<b>Emersonii</b> <i>Couth.</i> , e. l.	Mass. bay.

**ACEPHALA.****BRACHIOPODA.****Terebratulidæ.**

167	xxxiv	321	<b>Terebratula caputserpentis</b> <i>Lin.</i> , e. l.	Me. & Mass.
			<i>T. septentrionalis</i> <i>Couth.</i>	
167	xxxiv	322	<b>psittacea</b> <i>Gmelin</i> , e. l.	Massachusetts.
			<b>thalassina</b> <i>Gould</i> , e. l. [no description].	

**LAMELLIBRANCHIA.****Ostracidæ.**

168	xii	209	<b>Anomia ephippium</b> <i>Linn.</i>	
			<i>A. patellaris</i> <i>Lam.</i>	
168	xii	210	<b>aculeata</b> <i>Gmelin.</i>	
168			<b>electrica</b> , e. l. [not described].	Massachusetts.
168			<b>squamula</b> , e. l. [not described].	Massachusetts.
169	x	203-4	<b>Ostrea borealis</b> <i>Lam.</i>	
			<i>O. virginica</i> <i>Lam.</i>	
			<i>Canadensis</i> <i>Lam.</i>	
171			<b>semicylindrica</b> <i>Say</i> , e. l.	Ga. & Florida.
171			<b>equestris</b> <i>Say</i> .	S. C. & Florida.

**Pectinidæ.**

172	xi	205	<b>Pecten concentricus</b> <i>Say.</i>	
			<i>P. lineolaris</i> <i>Lam.</i> ?	
173	xi	206	<b>Islandicus</b> <i>Müller.</i>	
			<i>Ostrea Islandica</i> <i>Müller.</i>	
			<i>P. Pealeii</i> <i>Conrad.</i>	
173	xi	207 A, B	<b>Magellanicus</b> <i>Gmelin.</i>	
			<i>Ostrea Magellanica</i> <i>Gmelin.</i>	
174			<b>purpuratus</b> <i>Lam.</i> , e. l.	Southern coast.
			<i>P. dislocatus</i> <i>Say.</i>	
174			<b>ornatus</b> <i>Lam.</i> , e. l.	Florida.
174			<b>nodosus</b> <i>Lam.</i> , e. l.	Florida.
174.			<b>varius</b> <i>Turton</i> , e. l.	Northern coast.
174			<b>Plicatula ramosa</b> <i>Lam.</i> , e. l.	
175			<b>Lima squamosa</b> <i>Lam.</i> , e. l.	Florida.
175	xi	208	<b>glacialis</b> <i>Lam.</i> , e. l.	Florida.

**Aviculidæ.**

175			<b>Avicula Atlantica</b> <i>Lam.</i> , e. l.	Southern coast.
			<i>A. hirundo</i> <i>Say.</i>	



**Arcadæ.**

Page.	Plate.	Fig.	Name.	Locality.
176	xii	211	<b>Arca pexata</b> Say.	
177	xii	212	<b>transversa</b> Say.	
177			<b>ponderosa</b> Say, e. l.	Southern coast.
177			<b>incongrua</b> Say, e. l.	Southern coast.
178	xii	217 a, b	<b>Nucula thraciæformis</b> Storer.	
179	xii	216	<b>radiata</b> De Kay.	
179	xii	215	<b>proxima</b> Say.	
180	xiii	221 a, b	<b>Gouldi</b> De Kay.	
180	xiii	219	<b>myalis</b> Couth., e. l.	Northern coast.
180	xiii	218	<b>limatula</b> Say, e. l.	Maine & Mass.
180	xiii	220	<b>sapotilla</b> Gould, e. l.	Northern coast.
180			<b>navicularis</b> Couth., e. l.	
181			<b>tenuis</b> Gould, e. l.	
181	xii	213	<b>minuta</b> Gould, e. l.	
			<i>N. tenuisulcata</i> Couth.	
181			<b>acuta</b> Conrad, e. l.	Virginia.

**Mytilidæ.**

182	xiii	222	<b>Mytilus borealis</b> Lam.	
			<i>M. edulis</i> Gould.	
182	xiii	223	<b>notatus</b> De Kay.	
183	xxiv	256	<b>pellucidus</b> Pennant.	
			<i>M. edulis</i> var. <i>pellucidus</i> Gould.	
183			<b>incurvatus</b> Lam., e. l.	Northern shores.
			an <i>M. borealis</i> var. ?	
183			<b>ungulatus</b> Linn., e. l.	
183			<b>cubitus</b> Say, e. l.	Seacoast.
183			<b>lateralis</b> Say, e. l.	Southern coast.
183			<b>hamatus</b> Say, e. l.	Southern coast.
			<i>M. striatus</i> Barnes.	
184			<b>leucopheatus</b> Conrad, e. l.	Southern coast.
184	xxiv	258	<b>Modiola plicatula</b> Lam.	
			<i>M. semicostata</i> Conrad.	
185	xxiv	257	<b>modiolus</b> Linn.	
			<i>Mytilus modiolus</i> Linn.	
			<i>Modiola papuana</i> Lam.	
185			<b>pectinula</b> Gould, e. l.	St. George's b'ks.
185			<b>nexa</b> Gould, e. l.	Massachusetts.
185			<b>discrepans</b> Montagu, e. l.	Massachusetts.
185			<b>discors</b> Montagu, e. l.	Massachusetts.
186			<b>Carolinensis</b> Conrad, e. l.	Charleston, S. C.
186			<b>Americana</b> Leach, e. l.	Southern coast.
186			<b>castanea</b> Say, e. l.	Southern coast.

Page.	Plate.	Fig.	Name.	Locality.
186	xxii	248	<b>Crenella decussata</b> <i>Laskey &amp; Montagu.</i> <i>Mytilus decussatus</i> Laskey & Montagu. <i>Modiola glandula</i> Totten.	
187			<b>Pinna seminuda</b> <i>Lam., e. l.</i>	Southern coast.
187			<b>muricata</b> <i>Lam., e. l.</i>	Southern coast.
<b>Unionidæ.</b>				
188	xxii	246	<b>Unio complanatus</b> <i>Solander.</i> <i>Mya complanata</i> Solander. <i>U. purpureus</i> Say.	
189			<b>Boydianus</b> <i>Lea.</i>	
189	xviii	236	<b>radiatus</b> <i>Gmelin.</i> <i>Mya radiata</i> Gmelin.	
190			<b>ventricosus</b> <i>Barnes.</i> <i>U. occidentalis</i> Lea?	
190	xx	241	<b>luteolus</b> <i>Lam.</i> <i>U. siliquoides</i> Barnes. <i>inflatus</i> Barnes.	
191	xxi	245	<b>compressus</b> <i>Lea.</i> <i>Symphynota compressa</i> Lea.	
191	xx	239	<b>nasutus</b> <i>Say.</i> <i>U. rostratus</i> Valenciennes.	
192	xxxix	355-6; xl 357	<b>Unio rosaceus</b> <i>De Kay.</i>	
193	xix	237-38	<b>Unio ochraceus</b> <i>Say.</i> <i>Symphynota ochracea</i> Lea.	
193	xxi	243-44	<b>cariosus</b> <i>Say.</i> <i>U. ovata</i> Valenciennes.	
194	xx	240	<b>Novi-eboraci</b> <i>Lea.</i>	
194	xx	242	<b>Tappanianus</b> <i>Lea.</i>	
195			<b>alatus</b> <i>Say.</i>	
195			<b>rectus</b> <i>Lea.</i> <i>U. prælongus</i> Barnes.	
196	xiv	226	<b>Alasmodonta rugosa</b> <i>Barnes.</i> <i>Margaritana rugosa</i> Lea.	
196	xiv	225	<b>marginata</b> <i>Say.</i> <i>Monodonta marginata</i> Say. <i>Margaritana marginata</i> Lea.	
197	xiv	224	<b>arcuata</b> <i>Barnes.</i> <i>Margaritana margaritifera</i> Lea.	
198	xv	227	<b>undulata</b> <i>Say.</i> <i>Margaritana undulata</i> Lea.	
198	xxiv	259	<b>corrugata</b> <i>De Kay.</i>	
199	xv	228	<b>Anodon unadilla</b> <i>De Kay.</i>	
200	xvi	229	<b>subcylindræa</b> <i>Lea.</i>	
200	xvi	230	<b>Ferussaciana</b> <i>Lea.</i>	

Page.	Plate.	Fig.	Name.	Locality.
201	xvi	231	<b>Anodon edentula</b> Say. <i>Alasmodonta edentula</i> Say. <i>Anodon areolatus</i> Swainson.	
201	xvii	232	<b>plana</b> Lea.	
202	xvii	233	<b>excurvata</b> De Kay.	
202			<b>implicata</b> Say. <i>A. Newtoniensis</i> Lea. <i>marginata</i> Say (young).	
203	xviii	234	<b>fluviatilis</b> Dillwyn. <i>A. cataracta</i> Say.	
203	xl	358	<b>pavonia</b> Lea.	
204	xviii	235	<b>Benedictensis</b> Lea. <i>Symphynota Benedictensis</i> Lea.	
<b>Cardidæ.</b>				
204	xxii	247	<b>Cardita borealis</b> Conrad. <i>Venericardia cibraria</i> Say?	
205			<b>incrassata</b> Conrad, e. l.	Florida.
205			<b>tridentata</b> Say, e. l.	South Carolina.
			<i>Venericardia tridentata</i> Say.	
205	xxii	249	<b>Cardium pinnulatum</b> Conrad.	
206	xxiii	252	<b>Islandicum</b> Linn. <i>C. pubescens</i> Couth.	
206	xxiii	250	<b>Grœnlandicum</b> Gmelin. <i>Aphrodita columba</i> Lea.	
207	xxiii	251	<b>Mortoni</b> Conrad.	
207			<b>fasciatum</b> Montagu, e. l.	
207			<b>muricatum</b> Linn., e. l.	S. C. & Florida.
207			<b>ventricosum</b> Bruguiere, e. l.	South Carolina.
<b>Chamidæ.</b>				
208			<b>Chama arcinella</b> Lam., e. l.	Florida.
<b>CONCHIFERA.</b>				
<b>Tellinidæ.</b>				
209	xxvi	271	<b>Tellina tenera</b> Say.	
209	xxvi	272	<b>versicolor</b> Cozzens.	
210			<b>tenta</b> Say.	
210			<b>lateralis</b> Say, e. l.	Seacoast.
210			<b>polita</b> Say, e. l.	Southern coast.
210			<b>iris</b> Say, e. l.	Southern coast.
210			<b>flexuosa</b> Say, e. l.	Southern coast.
211			<b>interstriata</b> Say, e. l.	East Florida.
211			<b>alternata</b> Say, e. l.	Ga. & E. Florida.
211			<b>decora</b> Say, e. l.	East Florida.
211			<b>mera</b> Say, e. l.	

Page.	Plate.	Fig.	Name.	Locality.
211	xxiii	255	<b>Donax fossor</b> Say.	
212			<i>variabilis</i> Say, e. l.	Ga. & Florida.
212			<i>elevata</i> Hald., e. l.	New Orleans.
212	xxv	260	<b>Capsa lævigata</b> Conrad, e. l.	Florida.
212			<i>deflorata</i> Conrad, e. l.	Florida.
212	xxxii	304	<b>Sanguinolaria fusca</b> Say.	
			<i>Psammobia fusca</i> Say.	
213	xxxii	305	<i>sordida</i> Couth.	
			<i>Tellina sordida</i> Couth.	
213			<i>lusoria</i> Say, e. l.	N. J. to Florida.
			<i>Psammobia lusoria</i> Say.	
213			<i>rugosa</i> Lam., e. l.	Florida.
214	xxvi	273	<b>Lucina divaricata</b> Linn.	
			<i>Tellina divaricata</i> Linn.	
			<i>Strigilla divaricata</i> Turton.	
214	xxvi	274	<i>radula</i> Montagu, e. l.	Northern coast.
214	xxvii	275	<i>contracta</i> Say, e. l.	Rhode Island.
214			<i>flexuosa</i> Montagu, e. l.	Northern coast.
<b>Veneridæ.</b>				
215	xxvi	268-69	<b>Cyprina Islandica</b> Linn.	
			<i>Venus Islandica</i> Linn.	
216	xxvii	279	<b>Cytherea convexa</b> Say.	
216			<i>occulta</i> Say, e. l.	Southern States.
216			<i>concentrica</i> Lam., e. l.	Va. to Florida.
216			<i>gigantea</i> Lam., e. l.	Southern States.
217	xxvii	276	<b>Venus mercenaria</b> Linn.	
218	xxvii	278	<i>notata</i> Say.	
218	xxvii	277	<i>gemma</i> Totten.	
219			<i>præparca</i> Say.	
			<i>V. notata</i> (var. ?) Gould.	
219			<i>inequalis</i> Say, e. l.	N. J. & Maryland.
219			<i>elevata</i> Say, e. l.	Southern Coast.
219			<i>Mortoni</i> Conrad, e. l.	Coast of N. & S. C.
220			<i>fluctuosa</i> Gould, e. l.	
220	xxviii	280	<b>Astarte castanea</b> Say.	
			<i>Venus castanea</i> Say.	
			<i>Crassina castanea</i> Conrad.	
			var. <i>picea</i> .	
			var. <i>procera</i> .	
221	xxviii	281	<i>sulcata</i> Montagu.	
			<i>Venus sulcata</i> Montagu.	
			<i>Crassina sulcata</i> Turton.	
			<i>Astarte Danmoniensis</i> Totten.	
221			<i>lactea</i> Broderip & Sowb., e. l.	Grand Banks.
221			? <i>quadrans</i> Gould, e. l.	Massachusetts.

**Cycladae.**

Page.	Plate.	Fig.	Name.	Locality.
222	xxv	264-65	<b>Cyclas similis</b> Say. <i>C. Saratogea et sulcata</i> Lam.	
223	xxv	261	<b>dubia</b> Say. <i>S. striatina</i> Lam.	
223	xxv	262	<b>partumeia</b> Say. <i>C. cornea</i> (var. 2, 3.) Lam.	
224	xxv	263	<b>rhomboidea</b> Say.	
224			<b>elegans</b> Adams.	
225			<b>edentula</b> Say.	
225			<b>transversa</b> Say, e. 1.	Kentucky.
225			<b>staminea</b> Conrad, e. 1.	
225			<b>elevata</b> Hald., e. 1.	New Orleans.
226			<b>Pisidium abruptum</b> Hald., e. 1.	Elk river, Md.
226			<b>abditum</b> Hald., e. 1.	Lancaster Co., Pa.
226	xxv	266	<b>Cyrena Carolinensis</b> Bosc., e. 1.	Carolina.

**Saxicavidae.**

227	xxxiii	309 a, b	<b>Saxicava distorta</b> Say.
228	xxviii	282	<b>Petricola pholadiformis</b> Lam. <i>Petricola fornicata</i> Say.
228	xxviii	283	<b>dactylus</b> Sowerby.

**Mactridae.**

229	xxix	286	<b>Mactra solidissima</b> Chemnitz. <i>M. gigantea</i> Lam. <i>Spissula gigantea</i> Gray.	
230	xxix	287	<b>lateralis</b> Say. <i>Mulinia lateralis</i> Gray.	
230			<b>ovalis</b> Gould, e. 1.	Northern coast.
230			<b>similis</b> Say, e. 1.	R. I., N. Y.?
230			<b>fragilis</b> Chemnitz, e. 1. <i>M. oblonga</i> Say.	Georgia.
231			<b>nuculus</b> Conrad, e. 1.	New Jersey.
231	xxix	288 a, b	<b>Mesodesma arctata</b> Conrad. <i>Mactra arctata</i> Conrad. <i>deaurata</i> Conrad.	
231			<b>Mactra Jauresii</b> Guérin, e. 1.	Grand Banks.
232	xxxi	298	<b>Lutreria canaliculata</b> Say, e. 1.	Md. to Florida.
232			<b>lineata</b> Say, e. 1. <i>L. papyratia</i> Conrad.	Ga. & Florida.
232			<b>Montacuta bidentata</b> Montagu, e. 1.	New Bedford.
232			<b>Kellea rubra</b> Turton, e. 1.	New Bedford.
233			<b>Cumingia tellinoides</b> Conrad. <i>Mactra tellinoides</i> Conrad.	

Page.	Plate.	Fig.	Name.	Locality.
233	xxv	267	<b>Gnathodon cuneatum</b> Sowerby, e. l.	Mobile.
233			<b>flexuosum</b> Conrad, e. l. [no description].	
<b>Anatinidæ.</b>				
234	xxxiii	311 a, b	<b>Osteodesma hyalina</b> Conrad. <i>Mya hyalina</i> Conrad. <i>Lyonsia hyalina</i> Conrad. <i>Amphidesma corbuloides</i> Mass. Cat., p. 25.	
235	xxxi	300	<b>Anatina papyracea</b> Say. <i>A. papyratia fragilis</i> Totten.	
236	xxxi	299, 301	<b>Cochlodesma Leana</b> Conrad. <i>Anatina Leana</i> Conrad.	
237	xxviii	284	<b>Thracia Conradi</b> Couth. <i>Thracia declivis</i> Conrad.	
237			<b>Amphidesma flexuosa</b> Lam., e. l.	Massachusetts.
237			<b>transversa</b> Say, e. l.	Long Isl. ? S. C.
237			? <b>punctata</b> Say, e. l.	Southern coast.
237			<b>orbiculata</b> Say, e. l.	Georgia.
238			<b>radiata</b> Say, e. l.	East Florida.
238			<b>lepida</b> Say, e. l.	South Carolina.
238			<b>æqualis</b> Say, e. l.	Southern coast.
<b>Myadæ.</b>				
239	xxxiii	310	<b>Pandora trilineata</b> Say. <i>P. nasuta</i> Sowerby.	
240	xxx	290	<b>Mya arenaria</b> Linn. <i>M. mercenaria</i> Say.	
240			<b>acuta</b> Say, e. l.	Southern coast.
240	xxix	289	<b>truncata</b> Linn., e. l.	Grand Banks.
241	xxviii	285	<b>Corbula contracta</b> Say.	
<b>Solenidæ.</b>				
242	xxxii	313	<b>Solen ensis</b> Lin.	
243	xxxiii	312	<b>viridis</b> Say, e. l.	Southern coast.
243	xxxii	307	<b>Lepton fabagella</b> Conrad, e. l.	Rhode Island.
243	xxxii	302	<b>Solecurtus caribæus</b> Lam. <i>Solen caribæus</i> Lam.	
244			<b>fragilis</b> Montagu, e. l. <i>S. centralis</i> Say.	Mass., S'rn coast.
244	xxxii	301	<b>Machæra costata</b> Say. <i>Solen costatus</i> Say. <i>Solecurtus costatus</i> Say.	
245			<b>nitida</b> Gould, e. l.	Massachusetts.
245	xxx	292	<b>Solemya velum</b> Say.	
246	xxx	291	<b>borealis</b> Totten, e. l.	Mass., R. I.

Page.	Plate.	Fig.	Name.	Locality.
246			<b>Panopæa arctica</b> Lam., e. 1.	Grand Banks.
246	xxxiii	308	<b>Glycimeris siliqua</b> Lam., e. 1.	Grand Banks.

**Pholidæ.**

247	xxxii	306	<b>Pholas crispata</b> Linn.	
248	xxxiv	223	<b>truncata</b> Say.	
248			<b>costata</b> Linn., e. 1.	Massachusetts.
248			<b>cuneiformis</b> Say, e. 1.	Southern coast.
248			<b>oblongata</b> Say, e. 1.	Car., Ga., Fla.

**Teredinidæ.**

249	xxxiv	325	<b>Teredo navalis</b> Linn.	
-----	-------	-----	-----------------------------	--

**TUNICATA.**

259			<b>Ascidea Manhattensis</b> De Kay.	
259			<b>rustica</b> Lam., e. 1.	Northern coast.
259			<b>plicata</b> Lesueur, e. 1.	Philadelphia.
259			<b>ovalis</b> Lesueur, e. 1.	Philadelphia.
259			<b>lobifera</b> Lesueur, e. 1.	Florida.
259			<b>proboscidea</b> Lesueur, e. 1.	Florida.
259			<b>intestinalis</b> [no description].	Northern coast.
259			<b>microcosmus</b> [no description].	Nor. coast.
260	xxxiv	324	<b>Boltenia reniformis</b> McLeay.	
			<i>Ascidia clavata</i> Müll.?	
			<i>globifera</i> Sabine.	

**Troost.**—Seventh Annual Report on the Geology of Tennessee:  
by G. TROOST, M. D. 1844.

## LIST OF SHELLS.

Page.		Page.	
40	<b>Unio Æsopus</b> Green.	40	<b>Unio circulus</b> Lea.
40	<b>alatus</b> Say.	40	<b>cælatus</b> Conr.
40	<b>amœnus</b> Lea.	40	<b>clavus</b> Lam.
40	<b>anodontoides</b> Lea.	40	<b>Conradicus</b> Lea.
40	<b>arcæformis</b> Lea.	40	<b>Cooperianus</b> Lea.
40	<b>argenteus</b> Lea.	40	<b>cornutus</b> Barnes.
40	<b>asperrimus</b> Lea.	40	<b>crassidens</b> Lam.
40	<b>Barnesianus</b> Lea.	40	<b>crassus</b> Say.
40	<b>biangulatus</b> Lea.	40	<b>creperus</b> Lea.
40	<b>Bigbyensis</b> Lea.	40	<b>Cumberlandicus</b> Lea.
40	<b>brevidens</b> Lea.	40	<b>cuneolus</b> Lea.
40	<b>capsæformis</b> Lea.	40	<b>cylindricus</b> Say.

Page.		Page.	
40	<b>Unio dactylus</b> <i>Lea.</i>	41	<b>Unio pectorosus</b> <i>Conr.</i>
40	<i>dehiscens</i> <i>Say.</i>	41	<i>perdix</i> <i>Lea.</i>
40	<i>dolabelloides</i> <i>Lea.</i>	41	<i>perplexus</i> <i>Lea.</i>
40	<i>dromas</i> <i>Lea.</i>	41	<i>personatus</i> <i>Say.</i>
40	<i>ebenus</i> <i>Lea.</i>	41	<i>phaseolus</i> <i>Hildr.</i>
40	<i>Edgarianus</i> <i>Lea.</i>	41	<i>pictus</i> <i>Lea.</i>
40	<i>elegans</i> <i>Lea.</i>	41	<i>pilaris</i> <i>Lea.</i>
40	<i>ellipsis</i> <i>Lea.</i>	41	<i>plicatus</i> <i>Les.</i>
40	<i>fabalis</i> <i>Lea.</i>	41	<i>pulcher</i> <i>Lea.</i>
40	<i>fatuus</i> <i>Lea.</i>	41	<i>pustulatus</i> <i>Lea.</i>
40	<i>foliatus</i> <i>Hildr.</i>	41	<i>pustulosus</i> <i>Lea.</i>
40	<i>fragosus</i> <i>Conr.?</i>	41	<i>pyramidatus</i> <i>Lea.</i>
40	<i>gibbosus</i> <i>Barnes.</i>	41	<i>Ravenellianus</i> <i>Lea.</i>
40	<i>gibber</i> <i>Lea.</i>	41	<i>rectus</i> <i>Lam.</i>
40	<i>glaber</i> <i>Lea.</i>	41	<i>regularis</i> <i>Lea.</i>
40	<i>glans</i> <i>Lea.</i>	41	<i>retusus</i> <i>Lam.</i>
40	<i>gracilis</i> <i>Barnes.</i>	41	<i>rubiginosus</i> <i>Lea.</i>
40	<i>Haysianus</i> <i>Lea.</i>	41	<i>securis</i> <i>Lea.</i>
40	<i>Holstonensis</i> <i>Lea.</i>	41	<i>simus</i> <i>Lea.</i>
40	<i>interruptus</i> <i>Lea.</i>	41	<i>Sowerbianus</i> <i>Lea.</i>
40	<i>iris</i> <i>Lea.</i>	41	<i>sparsus</i> <i>Lea.</i>
40	<i>irroratus</i> <i>Lea.</i>	41	<i>Stonensis</i> <i>Lea.</i>
40	<i>lachrymosus</i> <i>Lea.</i>	41	<i>subrotundus</i> <i>Lea.</i>
40	<i>lenior</i> <i>Lea.</i>	41	<i>subtentus</i> <i>Say.</i>
40	<i>lens</i> <i>Lea.</i>	41	<i>sulcatus</i> <i>Lea.</i>
41	<i>Lesueurianus</i> <i>Lea.</i>	41	<i>tener</i> <i>Lea.</i>
41	<i>lienosus</i> <i>Conr.?</i>	41	<i>Tennesseensis</i> <i>Lea.</i>
41	<i>Menkeianus</i> <i>Lea.</i>	41	<i>triangularis</i> <i>Barnes.</i>
41	<i>mœstus</i> <i>Lea.</i>	41	<i>trigonus</i> <i>Lea.</i>
41	<i>metanever</i> <i>Raf.</i>	41	<i>Troostensis</i> <i>Lea.</i>
41	<i>Muhlfeldtianus</i> <i>Lea.</i>	41	<i>tuberculatus</i> <i>Barnes.</i>
41	<i>multiplicatus</i> <i>Lea.</i>	41	<i>tuberosus</i> <i>Lea.</i>
41	<i>multiradiatus</i> <i>Lea.</i>	41	<i>undulatus</i> <i>Barnes.</i>
41	<i>mytiloides</i> <i>Raf.</i>	41	<i>Vanuxemensis</i> <i>Lea.</i>
41	<i>monodontus</i> <i>Say.</i>	41	<i>varicosus</i> <i>Lea.</i>
41	<i>Nashvillianus</i> <i>Lea.</i>	41	<i>ventricosus</i> <i>Barnes.</i>
41	<i>nitens</i> <i>Lea.</i>	41	<i>verrucosus</i> <i>Barnes.</i>
41	<i>notatus</i> <i>Lea.</i>	41	<i>Zeiglerianus</i> <i>Lea.</i>
41	<i>obscurus</i> <i>Lea.</i>	41	<i>zig-zag</i> <i>Lea.</i>
41	<i>occidens</i> <i>Lea.</i>	41	<b>Margaritana complanata</b> <i>Lea.</i>
41	<i>ochraceus</i> <i>Say?</i>		
41	<i>orbiculatus</i> <i>Hildr.?</i>	41	<i>Curreyiana</i> <i>Lea.</i>
41	<i>ovatus</i> <i>Say.</i>	41	<i>deltoides</i> <i>Lea.</i>
41	<i>parvus</i> <i>Barnes.</i>	41	<i>fabula</i> <i>Lea.</i>
41	<i>patulus</i> <i>Lea.</i>	41	<i>Holstonia</i> <i>Lea.</i>



Page.		Page.	
41	<i>Margaritana marginata</i> Lea.	42	<i>Melania globula</i> Lea.
41	<i>Raveneliana</i> Lea.	42	<i>gracilis</i> Lea.
41	<i>rugosa</i> Lea.	42	<i>Holstonia</i> Lea.
41	<i>Anodonta argentea</i> Lea.	42	<i>monozonalis</i> Lea.
41	<i>Harpethensis</i> Lea.	42	<i>nitens</i> Lea.
41	<i>marginata</i> Lea.	42	<i>nodulosa</i> Lea.
42	<i>Melania acuta</i> Lea.	42	<i>obtusa</i> Lea.
42	<i>acuto-carinata</i> .	42	<i>Ocoeensis</i> Lea.
42	<i>armigera</i> Say.	42	<i>pilula</i> Lea.
42	<i>blanda</i> Lea.	42	<i>plicatula</i> Lea.
42	<i>caliginosa</i> Lea.	42	<i>regularis</i> Lea.
42	<i>castanea</i> Lea.	42	<i>rufa</i> Lea.
42	<i>Cincinnatiensis</i> Lea.	42	<i>sordida</i> Lea.
42	<i>circincta</i> Lea.	42	<i>spixiana</i> Lea.
42	<i>clavæformis</i> Lea.	42	<i>striata</i> Lea.
42	<i>columella</i> Lea.	42	<i>strigosa</i> Lea.
42	<i>concinna</i> Lea.	42	<i>subcylindræa</i> Lea.
42	<i>corrugata</i> Lea.	42	<i>subglobosa</i> Lea.
42	<i>costulata</i> Lea.	42	<i>subsolida</i> Lea.
42	<i>crebricostata</i> Lea.	42	<i>sulcosa</i> Lea.
42	<i>Curreyana</i> Lea.	42	<i>tenebrosa</i> Lea.
42	<i>decora</i> Lea.	42	<i>terebralis</i> Lea.
42	<i>dubiosa</i> Lea.	42	<i>teres</i> Lea.
42	<i>Duttoniana</i> Lea.	42	<i>Troostiana</i> Lea.
42	<i>ebenum</i> Lea.	42	<i>venusta</i> Lea.
42	<i>Edgariana</i> Lea.	42	<i>virgata</i> Lea.
42	<i>elongata</i> Lea.	42	<i>Io fusiformis</i> Lea.
42	<i>exarata</i> Lea.	42	<i>spinosa</i> Lea.
42	<i>fuliginosa</i> Lea.	42	<i>Polygyra Dorfeuilliana</i> Lea.
42	<i>fusiformis</i> Lea.	42	<i>Troostiana</i> Lea.

**Plummer.**—Scraps in Natural History (Mollusca): by Dr. JOHN T. PLUMMER. (Amer. Journ. Sci. and Art, O. S., vol. xlviii, No. 1, pp. 93-96. Oct.-Dec. 1844.)

Together with notes on the habits of Mollusks, is the following list of the shells about Richmond, Wayne Co., Indiana:—

Page.		Page.	
95	<i>Helix albolabris</i> Say.	95	<i>Helix fallax</i> Say.
95	<i>arborea</i> Say.	95	<i>fraterna</i> Say.
95	<i>alternata</i> Say.	95	<i>fuliginosa</i> Griff.
95	<i>clausa</i> Say.	95	<i>hirsuta</i> Say.
95	<i>elevata</i> Say.	95	<i>inflecta</i> Say.

Page.		Page.	
95	<i>Helix ligera</i> Say.	96	<i>Paludina limosa</i> Say.
95	<i>multilineata</i> Say.	96	<i>lapidaria</i> Say.
95	<i>palliata</i> Say.	96	<i>Physa heterostropha</i> Say.
95	<i>perspectiva</i> Say.	96	<i>gyrina</i> Say.
95	<i>profunda</i> Say.	96	<i>Limnea elodes</i> Say.
95	<i>solitaria</i> Say.	96	<i>Melania exilis</i> Hald.
95	<i>tridentata</i> Say.	96	<i>Succinea obliqua</i> Say ( <i>cam-</i>
95	<i>thyroides</i> Say.		<i>pestris</i> ).
95	<i>zaleta</i> Say.	96	<i>Anodonta Ferussaciana</i> Lea.
95	<i>Limax</i> — ?	96	<i>Cyclas similis</i> Say.
95	<i>Planorbis bicarinatus</i> Say.	96	<i>Alasmodonta edentula</i> Say.
95	<i>parvus</i> Say.	96	<i>calceola</i> Lea.
95	<i>trivolvis</i> Say.		

**Linsley.**—Catalogue of the Shells of Connecticut: by the late JAMES H. LINSLEY. (Amer. Journ. Sci. and Art, O. S., vol. xlviii, No. 2, pp. 271–286. Jan.–March, 1845. Same in pamphlet form, p. 1 being same as p. 271 of the Journal and so on.)

[No descriptions are given, but references to works and habitat. I omit Annulata and Cirripeda.—W. G. B.]

Page.		Page.	
273	<i>Teredo navalis</i> Linn.	274	<i>Mactra lateralis</i> Say.
273	—— (n. sp.)	274	<i>quadrangulata</i> Linsley.
273	<i>Pholas crispata</i> Linn.		(Conn. to Georgia.)
273	<i>cuneiformis</i> Say.	274	<i>Solemya borealis</i> Totten.
273	<i>truncata</i> Say.	274	<i>velum</i> Say.
274	<i>Solen ensis</i> Linn.	274	<i>Mesodesma arcata</i> Gould.
274	<i>viridis</i> Say.		<i>Mactra arcata</i> Conr.
274	<i>Solecurtus Caribæus</i> Lam.	274	<i>Montacuta bidentata</i> Mont.
274	( <i>Machæra</i> ) <i>costatus</i>	275	<i>Amphidesma æquale</i> Say.
	Gould.	275	<i>Kellia rubra</i> Turton.
274	<i>fragilis</i> Conr.	275	<i>Corbula contracta</i> Say.
274	<i>Mya arenaria</i> Linn.	275	<i>Pandora trilineata</i> Say.
	( <i>mercenaria</i> Say.)	275	<i>Saxicava distorta</i> Say.
274	<i>subtruncata</i> Linsley.	275	<i>Petricola dactylus</i> .
274	<i>Anatina papyracea</i> Say.	275	<i>pholadiformis</i> Lam.
274	<i>Thracia truncata</i> Mighels.	275	<i>Sanguinolaria fusca</i> Conr.
274	<i>Osteodesma hyalina</i> Conr.	275	<i>sordida</i> Couth.
274	<i>Cochlodesma leana</i> Conr.	275	<i>Tellina Balthica</i> Linn.
274	<i>Cumingia tellinoides</i> Conr.		<i>Sanguinolaria fusca</i> .
274	<i>Mactra similis</i> Say.	275	<i>solidula</i> Soland.
274	<i>solidissima</i> Chemn.	275	<i>tenera</i> Say.
	<i>M. gigantea</i> Lam.	275	<i>tenta</i> Say.

Page.		Page.	
275	<b>Tellina versicolor</b> <i>Cozzens.</i>	277	<b>Anodonta areolata</b> <i>Swains.</i>
275	<b>Lucina flexuosa</b> <i>Mont.</i>	277	<b>fluviatilis</b> <i>Dillwyn.</i>
275	<b>radula</b> <i>Mont.</i>	277	<b>Housatonica</b> <i>Linsley.</i>
275	<b>Astarte castanea</b> <i>Say.</i>	277	<b>implicata</b> <i>Say.</i>
275	<b>mactracea</b> <i>Linsley.</i>	277	<b>marginata</b> <i>Say.</i>
	(With a wood-cut.)	277	<b>undulata</b> <i>Say.</i>
275	<b>quadrans</b> <i>Gould.</i>	277	<b>subcylindracea</b> <i>Lea.</i>
275	<b>sulcata</b> <i>Mont.</i>	277	<b>Modiola discors</b> <i>Lam.</i>
276	<b>Cyclas dubia</b> <i>Say.</i>	278	<b>glandula</b> <i>Totten.</i>
276	<b>elegans</b> <i>Adams.</i>	278	<b>modiolus</b> <i>Turton.</i>
276	<b>minor</b> <i>Mighels.</i>	278	<b>nexa</b> <i>Gould.</i>
276	<b>nitida</b> <i>Mighels.</i>	278	<b>plicatula</b> <i>Lam.</i>
276	<b>orbicularia</b> <i>Barratt.</i>	278	<b>Mytilus edulis</b> <i>Linn.</i>
276	<b>partumeia</b> <i>Say.</i>	278	<b>striatus</b> <i>De Kay.</i>
276	<b>rhomboidea</b> <i>Say.</i>		<i>M. pellucidus</i> <i>Pennant.</i>
276	<b>similis</b> <i>Say.</i>	278	<b>Pecten concentricus</b> <i>Say.</i>
276	<b>truncata</b> <i>Linsley.</i>	278	<b>Islandicus</b> <i>Chemn</i>
276	<b>Cyprina Islandica</b> <i>Lam.</i>	278	<b>fuscus</b> <i>Linsley.</i>
276	<b>Cytherea convexa</b> <i>Say.</i>	278	<b>Ostrea borealis</b> <i>Lam.</i>
276	<b>morruhana</b> <i>Linsley.</i>	278	<b>costata</b> <i>De Kay.</i>
276	<b>Venus gemma</b> <i>Totten.</i>	278	<b>Virginica</b> <i>Gmel.</i>
276	<b>mercenaria</b> <i>Say.</i>	278	<b>Anomia aculeata</b> <i>Gmel.</i>
276	<b>notata</b> <i>Say.</i>	278	<b>electrica</b> <i>Linn.</i>
276	<b>Cardium Grœnlandicum</b>	278	<b>ephippium</b> <i>Linn.</i>
	<i>Chemn.</i>	278	<b>squamula</b> <i>Linn.</i>
276	<b>Mortoni</b> <i>Conr.</i>	278	<b>Chiton fulminatus</b> <i>Couth.</i>
276	<b>pinnulatum</b> <i>Conr.</i>		<i>C. lævigatus</i> <i>Fleming?</i>
276	<b>Cardita borealis</b> <i>Conr.</i>	278	<b>ruber</b> <i>Low.</i>
276	<b>Arca pexata</b> <i>Say.</i>	278	<b>Patella</b> ——— ?
276	<b>transversa</b> <i>Say.</i>	279	<b>Lottia alveus</b> <i>Conr.</i>
276	<b>Nucula limatula</b> <i>Say.</i>	279	<b>testudinalis</b> <i>Müller.</i>
277	<b>proxima</b> <i>Say.</i>	279	<b>Crepidula alata</b> <i>Lea.</i>
277	<b>sapotilla</b> <i>Gould.</i>	279	<b>convexa</b> <i>Say.</i>
277	<b>tenuis</b> <i>Turton.</i>	279	<b>depressa</b> <i>Say.</i>
277	<b>Unio cariosus</b> <i>Say.</i>	279	<b>fornicata</b> <i>Lam.</i>
277	<b>complanatus</b> <i>Solander.</i>	279	<b>glauca</b> <i>Say.</i>
277	<b>compressus</b> <i>Lea.</i>	279	<b>plana</b> <i>Say.</i>
277	<b>heterodon</b> <i>Lea.</i>	279	<b>Ancylus fuscus</b> <i>Adams.</i>
277	<b>nasutus</b> <i>Say.</i>	279	<b>rivularis</b> <i>Say.</i>
277	<b>ochraceus</b> <i>Say.</i>	279	<b>tardus</b> <i>Say.</i>
277	<b>Pequottinus</b> <i>Linsley.</i>	279	<b>Bulla debilis</b> <i>Gould.</i>
277	<b>radiatus</b> <i>Barnes.</i>	279	<b>insculpta</b> <i>Totten.</i>
277	<b>Alasmodonta arcuata</b> <i>Barn.</i>	279	<b>obstricta</b> <i>Gould.</i>
277	<b>marginata</b> <i>Say.</i>	279	<b>oryza</b> <i>Totten.</i>
277	<b>undulata</b> <i>Say.</i>	279	<b>triticea</b> <i>Couth.</i>

- | Page. |                                 | Page. |                                  |
|-------|---------------------------------|-------|----------------------------------|
| 279   | <b>Limax campestris</b> Binney. | 281   | <b>Cyclostoma lapidaria</b> Say. |
| 279   | <i>marmorata</i> De Kay.        | 281   | <b>Planorbis armigerus</b> Say.  |
| 279   | <i>tunicata</i> Gould.          | 281   | <i>bicarinatus</i> Say.          |
|       | <i>L. agrestis</i> Linn.        | 281   | <i>campanulatus</i> Say.         |
| 279   | <b>Helix albilabris</b> Say.    | 281   | <i>deflectus</i> Say.            |
| 279   | <i>alternata</i> Say.           | 282   | <i>dilatatus</i> Gould.          |
| 280   | <i>arborea</i> Say.             | 282   | <i>elevatus</i> Adams.           |
| 280   | <i>chersina</i> Say.            | 282   | <i>exacutus</i> Say.             |
| 280   | <i>cellaria</i> Müller.         | 282   | <i>hirsutus</i> Gould.           |
| 280   | <i>electrina</i> Gould.         | 282   | <i>lentus</i> Say.               |
| 280   | <i>fraterna</i> Say.            | 282   | <i>obliquus</i> De Kay.          |
| 280   | <i>fuliginosa</i> Griffiths.    | 282   | <i>parvus</i> Say.               |
| 280   | <i>gularis</i> Say.             | 282   | <i>trivolvus</i> Say.            |
| 280   | <i>hirsuta</i> Say.             | 282   | <b>Physa aurea</b> Lea =         |
| 280   | <i>indentata</i> Say.           |       | <i>heterostropha</i> var.        |
| 280   | <i>lineata</i> Say.             | 282   | <i>elongata</i> Say.             |
| 280   | <i>labyrinthica</i> Say.        |       | <i>P. hypnorum</i> Linn.         |
| 280   | <i>minuscula</i> Binney.        | 282   | <i>heterostropha</i> Say.        |
| 280   | <b>Trumbulli</b> Linsley.       | 282   | <b>Sayi</b> Tappan =             |
|       | (With a description.)           |       | <i>ancillaria</i> var.           |
|       | <i>Margarita arctica?</i> Eds.  | 282   | <b>Lymnæa caperata</b> Say.      |
| 280   | <i>monodon</i> Rackett.         |       | <i>L. umbilicata</i> Adams.      |
| 280   | <i>pulchella</i> Müller.        | 282   | <i>chalybea</i> Gould.           |
| 280   | <i>Sayii</i> Binney.            | 282   | <i>columella</i> Say.            |
| 280   | <i>suppressa</i> Say.           | 282   | <i>decollata</i> Mighels.        |
| 280   | <i>striatella</i> Anthony.      | 282   | <i>desidiosa</i> Say.            |
| 280   | <i>subglobosa?</i> Binney.      | 282   | <i>elodes</i> Say.               |
| 280   | <i>tridentata</i> Say.          | 282   | <i>emarginata</i> Say.           |
| 280   | <b>upa contracta</b> Say.       | 282   | <i>Linsleyi</i> De Kay.          |
|       | <i>corticaria</i> Say.          |       | (With a description).            |
| 280   | <i>pentodon</i> Say.            | 282   | <i>macrostoma</i> Say.           |
| 281   | <i>exigua</i> Say.              | 283   | <i>modicellus</i> Say.           |
| 281   | <i>fallax</i> Say.              |       | <i>L. humilis</i> Hald.          |
|       | <i>Cyclostoma marginata</i> S.  | 283   | <b>Valvata pupoidea</b> Gould.   |
| 281   | <i>Gouldii</i> Binney.          | 283   | <i>tricarinata</i> Say.          |
| 281   | <i>milium</i> Gould.            | 283   | <i>unicarinata</i> De Kay.       |
| 281   | <i>modesta</i> Say.             | 283   | <b>Paludina decisa</b> Say.      |
| 281   | <i>ovata</i> Say.               | 283   | <i>integra</i> Say.              |
| 281   | <i>simplex</i> Gould.           |       | <i>P. microstoma</i> Kirtland.   |
| 281   | <b>Bulinus lubricus</b> Brug.   | 283   | <i>lustrica?</i> Say.            |
| 281   | <b>Succinea avara</b> Say.      |       | <i>Ammicola</i> Gould.           |
| 281   | <i>campestris</i> Say.          | 283   | <b>Ammicola Cincinnatensis</b>   |
| 281   | <i>ovalis</i> Say.              | 283   | <i>grana</i> Say. [Anthony.      |
| 281   | <b>Auricula bidentata</b> Say.  | 283   | <i>porata</i> Say.               |
| 281   | <i>denticulata</i> Mont.        | 283   | <i>pallida</i> Hald.             |

Page.		Page.	
283	<i>Natica duplicata</i> Say.	284	<i>Odostomia trifida</i> Gould.
283	<i>flava</i> Gould.		<i>Actæon</i> Totten.
283	<i>heros</i> Say.	284	<i>Cerithium nigrocinctum</i>
283	<i>immaculata</i> Totten.		Adams.
283	<i>triseriata</i> Say.	285	<i>Sayi</i> Menke.
283	<i>Tornatella puncto-striata</i>	285	<i>Pleurotoma bicarinata</i> Cou.
	Adams.	285	<i>Fasciolaria ligata</i> Mighels &
283	<i>Vermetus lumbricalis</i> Lam.		Adams.
283	<i>Scalaria clathrus</i> Say.	285	<i>Fusus borealis</i> De Kay.
283	<i>Margarita obscura</i> Couth.	285	<i>corneus</i> Say (young).
283	<i>Turbo multilineatus</i> DeKay.	285	<i>imbricatus</i> De Kay.
284	<i>Lacuna neritoidea</i> Gould.	285	<i>harpularius</i> ? Couth.
284	<i>vincta</i> Mont.	285	<i>Trumbulli</i> Linsley.
	<i>L. fusca</i> De Kay.		(With desc. & wood-cut.)
284	— ?	285	<i>Pyrula canaliculata</i> Brug.
284	<i>Cingula aculeus</i> Gould.	285	<i>carica</i> Brug.
284	<i>arenaria</i> Mont.	285	<i>Ranella caudata</i> Say.
284	<i>minuta</i> Totten.	285	<i>Purpura lapillus</i> Say.
284	<i>Littorina irrorata</i> Say.	285	<i>Buccinum lunatum</i> Say.
284	<i>neritoides</i> De Kay.	285	<i>obsoletum</i> Say.
284	<i>palliata</i> Say.	285	<i>plicosum</i> Menke.
284	<i>rudis</i> Mont.	285	<i>rosaceum</i> Gould.
284	<i>tenebrosa</i> Mont.	285	<i>trivittatum</i> Say.
284	<i>Pyramis striatula</i> Couth.	285	<i>undatum</i> Linn.
284	<i>Turritella erosa</i> ? Couth.	285	<i>vibex</i> Say.
284	<i>interrupta</i> Totten.	285	<i>zonalis</i> Linsley.
284	<i>Odostomia exigua</i> Couth.	285	<i>Columbella avara</i> Say.
284	<i>fusca</i> Adams.	286	<i>Nautilus Connecticutensis</i>
284	<i>limnoidea</i> De Kay.		Linsley. (With a wood-cut.)
284	<i>producta</i> Adams.	286	<i>Loligo illecebrosa</i> Lesueur.
284	<i>seminuda</i> Adams.	286	<i>punctata</i> De Kay.

**Wheatley.**—Catalogue of the Shells of the United States, with their Localities: by CHAS. M. WHEATLEY, Member Lyc. Nat. Hist. N. Y., Corr. Memb. Nat. Inst. Washington, Troy Lyc. Nat. Hist. New York, 1845. Second edition.

[No descriptions are given.]

Page.	No.	Name.	Locality.
1	1	<i>Dentalium dentale</i> Linn.	
1	2	<i>entalis</i> Linn.	Maine.
2	30	<i>Teredo navalis</i> Lam.	Staten Island.
2	31	<i>Pholas crispata</i> Linn.	Sandy Hook, N. Y.

Page.	No.	Name.	Locality.
2	32	<i>Pholas costata</i> Linn.	South Carolina.
2	33	<i>cuneiformis</i> Say.	Georgia.
2	34	<i>oblongata</i> Say.	Georgia.
2	35	<i>truncata</i> Say.	Staten Island.
2	36	<i>Gastrochœna modiolina</i> Lam.	South Carolina.
2	37	<i>Solen ensis</i> Linn.	Staten Island.
2	38	<i>viridis</i> Say.	Rhode Island.
2	39	<i>siliqua</i> Linn.	New York bay.
2	40	<i>Solecurtus caribæus</i> Blain.	Sandy Hook, N. Y.
2	41	<i>fragilis</i> Conrad.	New Bedford.
2	42	<i>centralis</i> Conrad.	Georgia.
2	43	<i>Machœra nitida</i> Gould.	Stomach of codfish.
3	44	<i>costata</i> Gould.	Massachusetts bay.
3	45	<i>Panopœa arctica</i> Gould.	Stomach of codfish.
3	46	<i>Glycimeris siliqua</i> Lam.	Provincetown, Mass.
3	47	<i>Mya arenaria</i> Linn.	Staten Island.
3	48	<i>truncata</i> Linn.	Massachusetts bay.
3	49	<i>Anatina papyracea</i> Say.	Rhode Island.
3	50	<i>Cochlodesma Leana</i> Gould.	Staten Island.
3	51	<i>Thracia Conradi</i> Couth.	Massachusetts bay.
3		<i>truncata</i> Mighels.	Maine.
3	52	<i>Osteodesma hyalina</i> Couth.	Staten Island.
3	53	<i>Lutraria canaliculata</i> Say.	South Carolina.
3	54	<i>lineata</i> Say.	South Carolina.
3	55	<i>Cumingia tellinoïdes</i> Conrad.	New Bedford.
3	56	<i>Mactra lateralis</i> Say.	New York bay.
3	57	<i>similis</i> Say.	South Carolina.
3	58	<i>solidissima</i> Chemn.	Staten Island.
3	59	<i>fragilis</i> Chemn.	South Carolina.
3	60	<i>nucleus</i> Conrad.	New Jersey.
3	61	<i>ovalis</i> Gould.	Massachusetts bay.
3	62	<i>Mesodesma arcata</i> Gould.	Massachusetts bay.
3	63	<i>Jauresii</i> De John.	Massachusetts bay.
3	64	<i>Montacuta bidentata</i> Mont.	New Bedford.
3	65	<i>Kellia rubra</i> Turton.	New Bedford.
4	66	<i>Gnathodon cuneata</i> Gray.	New Orleans.
4	67	<i>flexuosa</i> Conrad.	New Orleans.
4	68	<i>Solemya borealis</i> Totten.	Rhode Island.
4	69	<i>velum</i> Say.	Long Island.
4	70	<i>Amphidesma flexuosa</i> Lam.	Massachusetts.
4	71	<i>orbiculata</i> Say.	Georgia.
4	72	<i>equalis</i> Say.	Georgia.
4	73	<i>punctata</i> Say.	Georgia.
4	74	<i>radiata</i> Say.	Georgia.
4	75	<i>lepida</i> Say.	South Carolina.

Page.	No.	Name.	Locality.
4	76	<b>Amphidesma transversa</b> Say.	Georgia.
4	77	<b>Corbula contracta</b> Say.	New Bedford.
4	78	<b>Pandora trilineata</b> Say.	Staten Island.
4	79	<b>Saxacava rugosa</b> Lam.	Massachusetts bay.
4	80	<i>distorta</i> Say.	Massachusetts bay.
4	81	<i>rhomboides</i> Desh.	Massachusetts bay.
4	82	<b>Petricola pholadiformis</b> Lam.	Staten Island.
4	83	<i>dactylus</i> Say.	New Bedford.
4	84	<b>Sanguinolaria fusca</b> Conrad.	Long Island.
4	85	<i>rugosa</i> Lam.	Florida.
4	86	<i>lusoria</i> Conrad.	New Jersey.
4	87	<i>sordida</i> Gould.	Massachusetts bay.
4	88	<b>Tellina alternata</b> Say.	South Carolina.
4	89	<i>polita</i> Say.	South Carolina.
4	90	<i>iris</i> Say.	South Carolina.
4	91	<i>flexuosa</i> Say.	South Carolina.
4	92	<i>tenera</i> Say.	New Jersey.
4	93	<i>interstriata</i> Say.	Florida.
5	94	<i>lateralis</i> Say.	New Jersey.
5	95	<i>decora</i> Say.	Florida.
5	96	<i>mera</i> Say.	Massachusetts bay.
5	97	<i>tenta</i> Say.	Massachusetts bay.
5	98	<i>calcaria</i> Say.	Massachusetts bay.
5	99	<i>nasuta</i> Conrad.	Columbia river.
5	100	<i>versicolor</i> Cozzens.	New York bay.
5	101	<b>Lucina divaricata</b> Lam.	Rhode Island.
5	102	<i>contracta</i> Say.	Massachusetts bay.
5	103	<i>radula</i> Lam.	Massachusetts bay.
5	104	<i>flexuosa</i> Gould.	Massachusetts bay.
5	105	<b>Donax variabilis</b> Say.	Georgia.
5	106	<i>fossor</i> Say.	Long Island.
5	107	<b>Capsa lævigata</b> Lam.	Florida.
5	108	<b>Astarte castanea</b> Say.	Staten Island.
5	109	<i>lactea</i> Br. & Sowb.	Stomach of fish.
5	110	<i>quadrans</i> Gould.	Stomach of fish.
5	111	<i>sulcata</i> Fleming.	Coast of Maine.
5	112	<i>undata</i> Gould.	Coast of Maine.
5	113	<b>Portlandica</b> Mighels.	Coast of Maine.
5	114	<b>Cyclas similis</b> Say.	Ohio.
5	115	<i>dubia</i> Say.	Ohio.
5	116	<i>rhomboidea</i> Say.	Lake Champlain.
5	117	<i>partumeia</i> Say.	Ohio.
5	118	<i>staminea</i> Conrad.	Alabama.
5	119	<i>edentula</i> Say.	Canandaigua, N. Y.
5	120	<i>transversa</i> Say.	Kentucky.

Page.	No.	Name.	Locality.
5	121	<b>Cyclas elegans</b> <i>Adams.</i>	Vermont.
5	122	<i>nitida</i> <i>Mighels.</i>	Maine?
5	123	<i>minor</i> <i>Adams.</i>	Maine?
5	124	<i>altilis</i> <i>Anthony.</i>	Ohio.
6	125	<b>Cyrena Carolinensis</b> <i>Say.</i>	South Carolina.
6	126	<b>Cyprina Islandica</b> <i>Lam.</i>	Rhode Island.
6	127	<b>Cytherea concentrica</b> <i>Lam.</i>	Virginia.
6	128	<i>gigantea</i> <i>Lam.</i>	Florida.
6	129	<i>florida</i> <i>Lam.</i>	Florida.
6	130	<i>occulta</i> <i>Say.</i>	Southern States.
6	131	<i>convexa</i> <i>Say.</i>	New York.
6	132	<b>Venus elevata</b> <i>Say.</i>	South Carolina.
6	133	<i>exalbida</i> <i>Chemn.</i>	Apalachicola bay.
6	134	<i>fluctuosa</i> <i>Gould.</i>	Massachusetts bay.
6	135	<i>gemma</i> <i>Totten.</i>	Long Island.
6	136	<i>inequalis</i> <i>Say.</i>	Virginia.
6	137	<b>Mortoni</b> <i>Conrad.</i>	Virginia.
6	138	<i>mercenaria</i> <i>Linn.</i>	New York.
6	139	<i>notata</i> <i>Say.</i>	New York.
6	140	<i>præparca</i> <i>Say.</i>	Cape Cod.
6	141	<b>Cardium fasciatum</b> <i>Mont.</i>	South Carolina.
6	142	<b>Grœnlandicum</b> <i>Gmelin.</i>	Maine.
6	143	<b>Islandicum</b> <i>Gmelin.</i>	Maine.
6	144	<b>Mortoni</b> <i>Conrad.</i>	Rhode Island.
6	145	<i>pinnulatum</i> <i>Conrad.</i>	Massachusetts bay.
6	146	<i>muricatum</i> <i>Linn.</i>	South Carolina.
6	147	<i>ventricosum</i> <i>Brug.</i>	South Carolina.
6	148	<b>Cardita borealis</b> <i>Conrad.</i>	Massachusetts bay.
6	149	<i>incrassata</i> <i>Sowerby.</i>	Florida.
6	150	<i>tridentata</i> <i>Say.</i>	South Carolina.
6	151	<b>Arca ponderosa</b> <i>Say.</i>	Florida.
6	152	<i>pexata</i> <i>Say.</i>	New York.
6	153	<i>incongrua</i> <i>Say.</i>	Georgia.
6	154	<i>transversa</i> <i>Say.</i>	New York.
7	155	<i>zebra</i> <i>Say.</i>	Florida.
7	156	<b>Nucula Jacksonii</b> <i>Gould.</i>	Maine.
7	157	<i>limatula</i> <i>Say.</i>	New York bay.
7	158	<i>minuta</i> <i>Gould.</i>	Nahant.
7	159	<i>myalis</i> <i>Couth.</i>	Massachusetts bay.
7	160	<i>navicularis</i> <i>Couth.</i>	Plymouth, Mass.
7	161	<i>proxima</i> <i>Say.</i>	New Bedford.
7	162	<i>sapotilla</i> <i>Gould.</i>	Cape Cod.
7	163	<i>tenuis</i> <i>Gould.</i>	Massachusetts bay.
7	164	<i>thraciæformis</i> <i>Storer.</i>	Stomach of fish.
7	165	<i>delphinodonta</i> <i>Mighels.</i>	Maine.



Page	No.	Name.	Locality.
7	166	<b>Nucula Cascoensis</b> <i>Mighels.</i>	Maine.
7	167	<b>Unio abruptus</b> <i>Say.</i>	Ohio.
7	168	<i>acutissimus</i> <i>Lea.</i>	Alabama.
7	169	<i>aheneus</i> <i>Lea.</i>	Black creek, Florida.
7	170	<i>alatus</i> <i>Say.</i>	Lake Champlain.
7	171	<i>altilis</i> <i>Conrad.</i>	Alabama.
7	172	<i>amœnus</i> <i>Lea.</i>	Tennessee.
7	173	<i>amygdalus</i> <i>Lea.</i>	Lake George, Florida.
7	174	<i>anodontoides</i> <i>Lea.</i>	Ohio.
7	175	<i>angustatus</i> <i>Lea.</i>	South Carolina.
7	176	<i>apiculatus</i> <i>Say.</i>	Louisiana.
7	177	<i>arctatus</i> <i>Conrad.</i>	Alabama.
7	178	<i>arctior</i> <i>Lea.</i>	Ohio.
7	179	<i>arcus</i> <i>Conrad.</i>	Alabama.
7	180	<i>arcæformis</i> <i>Lea.</i>	Tennessee.
7	181	<i>argenteus</i> <i>Lea.</i>	Tennessee.
7	182	<i>asper</i> <i>Lea.</i>	Alabama.
7	183	<i>asperimus</i> <i>Lea.</i>	Ohio.
7	184	<i>ater</i> <i>Lea.</i>	Alabama.
7	185	<i>atro-marginatus</i> <i>Lea.</i>	Georgia.
7	186	<i>Barnesianus</i> <i>Lea.</i>	Tennessee.
7	187	<i>Biglyensis</i> <i>Lea.</i>	Tennessee.
7	188	<i>Blandingianus</i> <i>Lea.</i>	Florida.
8	189	<i>biangularis</i> <i>Lea.</i>	Tennessee.
8	190	<i>Boydianus</i> <i>Lea.</i>	New York.
8	191	<i>Boykinianus</i> <i>Lea.</i>	Georgia.
8	192	<i>brevidens</i> <i>Lea.</i>	Ohio.
8	193	<i>Brumbyanus</i> <i>Lea.</i>	Alabama.
8	194	<i>Buckleyi</i> <i>Lea.</i>	Lakes George & Monroe, Fla.
8	195	<i>Buddianus</i> <i>Lea.</i>	Lakes George & Monroe, Fla.
8	196	<i>callosus</i> <i>Lea.</i>	Ohio.
8	197	<i>camelus</i> <i>Lea.</i>	Ohio.
8	198	<i>camptodon</i> <i>Say.</i>	Louisiana.
8	199	<i>capsæformis</i> <i>Lea.</i>	Western States.
8	200	<i>cariosus</i> <i>Say.</i>	Eastern rivers.
8	201	<i>catillus</i> <i>Conrad.</i>	Ohio.
8	202	<i>circulus</i> <i>Lea.</i>	Ohio.
8	203	<i>Cincinnatiensis</i> <i>Lea.</i>	Ohio.
8	204	<i>Clairbornensis</i> <i>Lea.</i>	Alabama.
8	205	<i>clavus</i> <i>Lam.</i>	Ohio.
8	206	<i>coccineus</i> <i>Hild.</i>	Ohio.
8	207	<i>cœlatus</i> <i>Conrad.</i>	Tennessee.
8	208	<i>collinus</i> <i>Conrad.</i>	Virginia.
8	209	<i>Cooperianus</i> <i>Lea.</i>	Ohio.
8	210	<i>compressus</i> <i>Lea.</i>	Western riv's & lakes.

Page.	No.	Name.	Locality.
8	211	<b>Unio complanatus</b> Lam.	Maine to Florida.
8	212	<b>Congaræus</b> Lea.	Congaree river, S. C.
8	213	<b>confertus</b> Lea.	South Carolina.
8	214	<b>Conradicus</b> Lea.	Western rivers.
8	215	<b>cornutus</b> Barnes.	Ohio.
8	216	<b>cor</b> Conrad.	Alabama.
8	217	<b>crassidens</b> Lam.	Western rivers.
8	218	<b>crocatus</b> Lea.	Savannah river.
8	219	<b>crassus</b> Say.	Western rivers.
8	220	<b>creperus</b> Lea.	Tennessee.
8	221	<b>cuprinus</b> Lea.	Tennessee.
8	222	<b>Cumberlandicus</b> Lea.	Cumberland riv., Ten.
8	223	<b>cuneolus</b> Lea.	Tennessee.
9	224	<b>cylindricus</b> Say.	Western rivers.
9	225	<b>dactylus</b> Lea.	Tennessee.
9	226	<b>decisus</b> Lea.	Alabama.
9	227	<b>declivis</b> Say.	Alabama.
9	228	<b>dehiscens</b> Say.	Ohio.
9	229	<b>dolabelloides</b> Lea.	Tennessee.
9	230	<b>dolabræformis</b> Lea.	Georgia.
9	231	<b>Dorfeullianus</b> Lea.	Ohio.
9	232	<b>dromas</b> Lea.	Tennessee and Ala.
9	233	<b>Duttonianus</b> Lea.	Savannah river.
9	234	<b>Æsopus</b> Green.	Western rivers.
9	235	<b>elegans</b> Lea.	Ohio river.
9	236	<b>ellipsis</b> Lea.	Ohio river.
9	237	<b>exiguus</b> Lea.	Georgia.
9	238	<b>Edgarianus</b> Lea.	Tennessee.
9	239	<b>ellipsiformis</b> Conrad.	Michigan.
9	240	<b>ebenus</b> Lea.	Ohio.
9	241	<b>fabilis</b> Lea.	Ohio.
9	242	<b>Fisherianus</b> Lea.	Maryland.
9	243	<b>foliatus</b> Hild.	Ohio.
9	244	<b>fortuus</b> Lea.	Tennessee.
9	245	<b>folliculatus</b> Lea.	Savannah river.
9	246	<b>fragosus</b> Conrad.	Scioto river Ohio.
9	247	<b>furvus</b> Conrad.	Alabama.
9	248	<b>fuscatus</b> Lea.	Black creek, Florida.
9	249	<b>fulvus</b> Lea.	South Carolina.
9	250	<b>Geddingianus</b> Lea.	South Carolina.
9	251	<b>Georgianus</b> Lea.	Georgia.
9	252	<b>gibber</b> Lea.	Carry Fork river, Tenn.
9	253	<b>gibbosus</b> Barnes.	Western rivers.
9	254	<b>glaber</b> Lea.	Tennessee.
9	255	<b>globosus</b> Lea.	Western rivers.

Page.	No.	Name.	Locality.
9	256	<b>Unio glans</b> <i>Lea.</i>	Ohio.
9	257	<b>gracilis</b> <i>Barnes.</i>	Ohio.
9	258	<b>Greeni</b> <i>Conrad.</i>	Black Warrior river.
9	259	<b>Griffithianus</b> <i>Lea.</i>	South Carolina.
10	260	<b>graniferus</b> <i>Lea.</i>	Ohio.
10	261	<b>Haysianus</b> <i>Lea.</i>	Tennessee.
10	262	<b>heterodon</b> <i>Lea.</i>	Pennsylvania.
10	263	<b>Hembeli</b> <i>Conrad.</i>	Southern rivers.
10	264	<b>Hildrethianus</b> <i>Lea.</i>	Western rivers.
10	265	<b>Holstonensis</b> <i>Lea.</i>	Tennessee.
10	266	<b>Hopetonensis</b> <i>Lea.</i>	Hopeton river, Ga.
10	267	<b>inflatus</b> <i>Lea.</i>	Southwestern rivers.
10	268	<b>irroratus</b> <i>Lea.</i>	Ohio.
10	269	<b>incrasatus</b> <i>Lea.</i>	Georgia.
10	270	<b>interruptus</b> <i>Lea.</i>	Harpeth river, Tenn.
10	271	<b>infucatus</b> <i>Conrad.</i>	Alabama.
10	272	<b>Jayensis</b> <i>Lea.</i>	Florida.
10	273	<b>jejunus</b> <i>Lea.</i>	North Carolina.
10	274	<b>Kirtlandianus</b> <i>Lea.</i>	Ohio.
10	275	<b>Kathrinæ</b> <i>Lea.</i>	Lake Superior.
10	276	<b>levissimus</b> <i>Lea.</i>	Western rivers.
10	277	<b>lachrymosus</b> <i>Lea.</i>	Ohio.
10	278	<b>Lecontianus</b> <i>Lea.</i>	Conochee river, Ga.
10	279	<b>Lesueurianus</b> <i>Lea.</i>	Tennessee.
10	280	<b>lenoir</b> <i>Lea.</i>	Tennessee.
10	281	<b>lineatus</b> <i>Lea.</i>	Georgia.
10	282	<b>luteolus</b> <i>Lam.</i>	Western rivers.
10	283	<b>lienosus</b> <i>Conrad.</i>	Alabama.
10	284	<b>lens</b> <i>Lea.</i>	Western rivers.
10	285	<b>lanceolatus</b> <i>Lea.</i>	North Carolina.
10	286	<b>lugubris</b> <i>Lea.</i>	Georgia.
10	287	<b>multiplicatus</b> <i>Lea.</i>	Western rivers.
10	288	<b>metanever</b> <i>Lea.</i>	Ohio.
10	289	<b>minor</b> <i>Lea.</i>	Lakes George & Monroe, Fla.
10	290	<b>Monroensis</b> <i>Lea.</i>	Lake Monroe, Florida.
10	291	<b>monodontus</b> <i>Say.</i>	Ohio.
10	292	<b>modioliformis</b> <i>Lea.</i>	South Carolina.
10	293	<b>multiradiatus</b> <i>Lea.</i>	Ohio.
10	294	<b>Menkianus</b> <i>Lea.</i>	Harpeth river, Tenn.
11	295	<b>Muhlfeldianus</b> <i>Lea.</i>	Cumberland river.
11	296	<b>maculatus</b> <i>Conrad.</i>	Alabama.
11	297	<b>Masoni</b> <i>Conrad.</i>	Savannah.
11	298	<b>nasutus</b> <i>Say.</i>	East'n & West'n rivs.
11	299	<b>Nashvillianus</b> <i>Lea.</i>	Tennessee.
11	300	<b>neglectus</b> <i>Lea.</i>	North Alabama.

Page.	No.	Name.	Locality.
11	301	<b>Unio nicestus</b> <i>Lea.</i>	Tennessee.
11	302	<b>nitens</b> <i>Lea.</i>	Tennessee.
11	303	<b>Novi-Eborachi</b> <i>Lea.</i>	Oak Orchard cr., N. Y.
11	304	<b>notatus</b> <i>Lea.</i>	Cumberland river.
11	305	<b>obscurus</b> <i>Lea.</i>	Tennessee.
11	306	<b>obesus</b> <i>Lea.</i>	Yorktown, Va.
11	307	<b>obliquus</b> <i>Lam.</i>	Western rivers.
11	308	<b>occultus</b> <i>Lea.</i>	Black creek, Florida.
11	309	<b>ochraceus</b> <i>Say.</i>	N. J. & Connecticut.
11	310	<b>ovatus</b> <i>Say.</i>	Western rivers.
11	311	<b>oviformis</b> <i>Conrad.</i>	Alabama.
11	312	<b>patulus</b> <i>Lea.</i>	Ohio.
11	313	<b>paulus</b> <i>Lea.</i>	Georgia.
11	314	<b>parvus</b> <i>Barnes.</i>	Ohio.
11	315	<b>perplexus</b> <i>Lea.</i>	Ohio.
11	316	<b>penitus</b> <i>Conrad.</i>	Alabama.
11	317	<b>perdix</b> <i>Lea.</i>	Ohio & Tennessee.
11	318	<b>perovatus</b> <i>Conrad.</i>	Alabama.
11	319	<b>perovalis</b> <i>Conrad.</i>	Alabama.
11	320	<b>personatus</b> <i>Say.</i>	Ohio.
11	321	<b>phaseolus</b> <i>Hild.</i>	Ohio.
11	322	<b>Phillipsii</b> <i>Conrad.</i>	Wabash.
11	323	<b>plicatus</b> <i>Say.</i>	Ohio.
11	324	<b>plenus</b> <i>Lea.</i>	Ohio.
11	325	<b>pictus</b> <i>Lea.</i>	Tennessee.
11	326	<b>pilaris</b> <i>Lea.</i>	Tennessee.
11	327	<b>pileus</b> <i>Lea.</i>	Ohio.
11	328	<b>pyramidatus</b> <i>Lea.</i>	Ohio.
11	329	<b>pustulatus</b> <i>Lea.</i>	Ohio.
11	330	<b>pustulosus</b> <i>Lea.</i>	Ohio.
12	331	<b>purpuratus</b> <i>Lam.</i>	Western rivers.
12	332	<b>pumilis</b> <i>Lea.</i>	Black river, N. C.
12	333	<b>pusillus</b> <i>Lea.</i>	Georgia.
12	334	<b>productus</b> <i>Conrad.</i>	Savannah.
12	335	<b>pulcher</b> <i>Lea.</i>	Tennessee.
12	336	<b>rubiginosus</b> <i>Lea.</i>	Western rivers.
12	337	<b>radiatus</b> <i>Lea.</i>	Lake Champlain.
12	338	<b>Rangianus</b> <i>Lea.</i>	Ohio.
12	339	<b>Ravenelianus</b> <i>Lea.</i>	South Carolina.
12	340	<b>rectus</b> <i>Lam.</i>	South Carolina.
12	341	<b>regularis</b> <i>Lea.</i>	Tennessee.
12	342	<b>retusus</b> <i>Lea.</i>	Western rivers.
12	343	<b>Roanokensis</b> <i>Lea.</i>	North Carolina.
12	344	<b>rotundatus</b> <i>Linn.</i>	Louisiana.
12	345	<b>rubellus</b> <i>Conrad.</i>	Alabama.

Page.	No.	Name.	Locality.
12	346	<b>Unio Sayii</b> <i>Tappan.</i>	Wisconsin.
12	347	<b>Schoolcraftensis</b> <i>Lea.</i>	Fox river, Green bay.
12	348	<b>securis</b> <i>Lea.</i>	Ohio.
12	349	<b>Shepardianus</b> <i>Lea.</i>	Georgia.
12	350	<b>silliquoides</b> <i>Barnes.</i>	Ohio.
12	351	<b>simus</b> <i>Lea.</i>	Cumberland river.
12	352	<b>Sowerbianus</b> <i>Lea.</i>	Tenn. & Alabama.
12	353	<b>solidus</b> <i>Lea.</i>	Ohio.
12	354	<b>Sloatianus</b> <i>Lea.</i>	Georgia.
12	355	<b>spinus</b> <i>Lea.</i>	Alabama & Georgia.
12	356	<b>splendidus</b> <i>Lea.</i>	Altamaha river.
12	357	<b>sparsus</b> <i>Lea.</i>	Tennessee.
12	358	<b>stapes</b> <i>Lea.</i>	Ohio & Alabama.
12	359	<b>Stonensis</b> <i>Lea.</i>	Tennessee.
12	360	<b>strigosus</b> <i>Lea.</i>	Georgia.
12	361	<b>striatus</b> <i>Lea.</i>	Georgia.
12	362	<b>stramineus</b> <i>Conrad.</i>	Alabama.
12	363	<b>subrotundus</b> <i>Lea.</i>	Ohio.
12	364	<b>subplanus</b> <i>Conrad.</i>	Virginia.
12	365	<b>subangulatus</b> <i>Lea.</i>	Georgia.
13	366	<b>subovatus</b> <i>Lea.</i>	Ohio river.
13	367	<b>subtentus</b> <i>Say.</i>	Southern rivers.
13	368	<b>sulcatus</b> <i>Lea.</i>	Western rivers.
13	369	<b>trapezoides</b> <i>Lea.</i>	Lake St. Joseph, La.
13	370	<b>Taitianus</b> <i>Lea.</i>	Tennessee.
13	371	<b>Tappanianus</b> <i>Lea.</i>	Troy, N. Y.
13	372	<b>tetralasmus</b> <i>Say.</i>	Louisiana.
13	373	<b>tenuissimus</b> <i>Lea.</i>	Western rivers.
13	374	<b>tenerus</b> <i>Raf.</i>	Virginia.
13	375	<b>Tennesseensis</b> <i>Lea.</i>	Tennessee.
13	376	<b>tener</b> <i>Lea.</i>	Tennessee.
13	377	<b>tortivus</b> <i>Lea.</i>	Georgia.
13	378	<b>tœniatus</b> <i>Conrad.</i>	Flint river, Ga.
13	379	<b>Troostensis</b> <i>Lea.</i>	Tennessee.
13	380	<b>trigonus</b> <i>Lea.</i>	Ohio.
13	381	<b>triangularis</b> <i>Barnes.</i>	Western rivers.
13	382	<b>trosculus</b> <i>Lea.</i>	Lake Monroe, Fla.
13	383	<b>turgidus</b> <i>Lea.</i>	Bayou Teche, La.
13	384	<b>tuberculatus</b> <i>Barnes.</i>	Western rivers.
13	385	<b>undulatus</b> <i>Barnes.</i>	Western rivers.
13	386	<b>varicosus</b> <i>Lea.</i>	Ohio.
13	387	<b>vanuxemensis</b> <i>Lea.</i>	Cumberland river.
13	388	<b>Vaughanlanus</b> <i>Lea.</i>	South Carolina.
13	389	<b>ventricosus</b> <i>Barnes.</i>	Lake Champlain.
13	390	<b>verrucosus</b> <i>Barnes.</i>	Ohio.

Page.	No.	Name.	Locality.
13	391	<b>Unio venustus</b> <i>Lea.</i>	Missouri.
13	392	<b>vibex</b> <i>Conrad.</i>	Alabama.
13	393	<b>Watereensis</b> <i>Lea.</i>	South Carolina.
13	394	<b>Zeiglerianus</b> <i>Lea.</i>	Cumberland riv., Tenn.
13	395	<b>Alasmodonta arcula</b> <i>Lea.</i>	Altamaha river.
13	396	<b>cuneyana</b> <i>Lea.</i>	Tennessee.
13	397	<b>calceola</b> <i>Lea.</i>	Ohio.
13	398	<b>complanata</b> <i>Lea.</i>	Western rivers.
13	399	<b>confragosa</b> <i>Lea.</i>	Western rivers.
14	400	<b>deltoides</b> <i>Lea.</i>	Western rivers.
14	401	<b>edentula</b> <i>Say.</i>	Wabash.
14	402	<b>fabula</b> <i>Lea.</i>	Cumberland river.
14	403	<b>Holstonia</b> <i>Lea.</i>	Holstein river.
14	404	<b>marginata</b> <i>Lea.</i>	East'n & West'n rivers.
14	405	<b>margaritifera</b> <i>Lam.</i>	Eastern rivers.
14	406	<b>radiata</b> <i>Lea.</i>	Alabama.
14	407	<b>rugosa</b> <i>Lea.</i>	Western rivers.
14	408	<b>Raveneliana</b> <i>Lea.</i>	North Carolina.
14	409	<b>undulata</b> <i>Lea.</i>	New Jersey
14	410	<b>Anodonta argentea</b> <i>Lea.</i>	Tennessee.
14	411	<b>Benedictensis</b> <i>Lea.</i>	Lake Champlain.
14	412	<b>carinifera</b> <i>Conrad.</i>	Kentucky.
14	413	<b>Couperiana</b> <i>Lea.</i>	Georgia.
14	414	<b>decora</b> <i>Lea.</i>	Ohio canals.
14	415	<b>declivis</b> <i>Conrad.</i>	Kentucky.
14	416	<b>edentula</b> <i>Lea.</i>	Western rivers.
14	417	<b>fragilis</b> <i>Lam.</i>	Western rivers.
14	418	<b>ferruginea</b> <i>Lea.</i>	Tennessee.
14	419	<b>Footiana</b> <i>Lea.</i>	Fort Winnebago.
14	420	<b>Ferussaciana</b> <i>Lea.</i>	Ohio river.
14	421	<b>fluviatilis</b> <i>Lea.</i>	Eastern rivers.
14	422	<b>grandis</b> <i>Say.</i>	Southern rivers.
14	423	<b>gibbosa</b> <i>Lea.</i>	Georgia.
14	424	<b>gigantea</b> <i>Lea.</i>	Mississippi river.
14	425	<b>glauca</b> <i>Lam.</i>	Western rivers.
14	426	<b>Harpethiana</b> <i>Lea.</i>	Harpeth river, Tenn.
14	427	<b>implicata</b> <i>Say.</i>	Plymouth, Mass.
14	428	<b>incerta</b> <i>Lea.</i>	Ohio.
14	429	<b>lugubris</b> <i>Say.</i>	Cumberland river.
14	430	<b>Marryattiana</b> <i>Lea.</i>	Fort Winnebago.
14	431	<b>Newtoniensis</b> <i>Lea.</i>	Newton creek, N. J.
14	432	<b>Nuttalliana</b> <i>Lea.</i>	Oregon Territory.
14	433	<b>Oregonensis</b> <i>Lea.</i>	Oregon Territory.
14	434	<b>ovata</b> <i>Lea.</i>	Ohio.
15	435	<b>parvonia</b> <i>Lea.</i>	Ohio.

Page.	No.	Name.	Locality.
15	436	<b>Anodonta plana</b> <i>Lea.</i>	Ohio.
15	437	<i>salmonia</i> <i>Lea.</i>	Ohio.
15	438	<b>Stewartiana</b> <i>Lea.</i>	Western rivers.
15	439	<i>subveza</i> <i>Conrad.</i>	Alabama.
15	440	<i>suborbiculata</i> <i>Say.</i>	Illinois.
15	441	<i>subcylindracea</i> <i>Lea.</i>	Orleans Co., N. Y.
15	442	<i>undulata</i> <i>Say.</i>	Ohio.
15	443	<i>virgata</i> <i>Conrad.</i>	Ohio.
15	444	<b>Wahlamatensis</b> <i>Lea.</i>	Oregon.
15	445	<b>Wardiana</b> <i>Lea.</i>	Ohio.
15	446	<b>Buchanensis</b> <i>Lea.</i>	Buck creek, Ohio.
15	447	<i>angulata</i> <i>Lea.</i>	Lewis river.
15	448	<b>Chama arcinella</b> <i>Linn.</i>	Florida.
15	449	<i>Lazarus</i> <i>Lam.</i>	Key West, Fla.
15	450	<b>Modiola Americana</b> <i>Leach.</i>	Southern States.
15	451	<i>castanea</i> <i>Say</i>	Southern States.
15	452	<i>discors</i> <i>Linn.</i>	Massachusetts bay.
15	453	<i>discrepans</i> <i>Mont.</i>	Chelsea beach.
15	454	<i>glandula</i> <i>Totten.</i>	Provincetown, Mass.
15	455	<i>modiolus</i> <i>Turton.</i>	Massachusetts bay.
15	456	<i>neza</i> <i>Gould.</i>	Provincetown, Mass.
15	457	<i>plicatula</i> <i>Lam.</i>	Long Island.
15	458	<i>pectinula</i> <i>Gould.</i>	Massachusetts bay.
15	459	<b>Mytilus cubitus</b> <i>Say.</i>	Georgia.
15	460	<i>edulis</i> <i>Linn.</i>	New York bay.
15	461	<i>hamatus</i> <i>Say.</i>	Southern States.
15	462	<i>incurvatus</i> <i>Penn.</i>	Massachusetts bay.
15	463	<i>lateralis</i> <i>Say.</i>	Southern States.
15	464	<i>leucophœatus</i> <i>Conrad.</i>	Southern States.
15	465	<i>pellucidus</i> <i>Penn.</i>	New York bay.
15	466	<i>ungulatus</i> <i>Linn.</i>	Massachusetts bay.
16	467	<b>Pinna seminuda</b> <i>Lam.</i>	South Carolina.
16	468	<i>muricata</i> <i>Linn.</i>	St. Simon's island, Ga.
16	469	<i>rudis</i> <i>Lam.</i>	South Carolina.
16	470	<b>Avicula Atlantica</b> <i>Lam.</i>	South Carolina.
16	471	<i>Lima glacialis</i> <i>Lam.</i>	Florida.
16	472	<i>squamosa</i> <i>Lam.</i>	Florida.
16	473	<b>Pecten concentricus</b> <i>Say.</i>	New York.
16	474	<i>Islandicus</i> <i>Chem.</i>	Massachusetts bay.
16	475	<b>Magellanicus</b> <i>Lam.</i>	Maine.
16	476	<i>ornatus</i> <i>Lam.</i>	Florida.
16	477	<i>nodosus</i> <i>Lam.</i>	Florida.
16	478	<i>purpuratus</i> <i>Lam.</i>	Atlantic coast.
16	479	<i>tenuicostatus</i> <i>Mighels.</i>	Maine.
16	480	<b>Plicatula rimosa</b> <i>Lam.</i>	Florida.

Page.	No.	Name.	Locality.
16	481	<b>Ostrea borealis</b> Lam.	New York.
16	482	<i>equestris</i> Say.	Florida.
16	483	<i>costata</i> De Kay.	New York.
16	484	<i>semicylindrica</i> Say.	Florida.
16	485	<i>Virginiana</i> Lister.	New York.
16	486	<b>Anomia ephippium</b> Linn.	New York bay.
16	487	<i>undulata</i> Linn.	Massachusetts bay.
16	488	<i>aculeata</i> Gmelin.	Massachusetts bay.
16	489	<i>squamula</i> Linn.	Massachusetts bay.
16	490	<i>electrica</i> Linn.	Massachusetts bay.
16	491	<i>patellaris</i> Lam.	New York bay.
16	492	<b>Terebratula psittacea</b> Lam.	Coast of Maine.
16	493	<i>caput serpentis</i> Gould.	Massachusetts bay.
16	494	<i>thalasina</i> Gould.	Massachusetts bay.
17	495	<b>Chiton albus</b> Mont.	Massachusetts bay.
17	496	<i>apiculatus</i> Say.	Gardiner's island.
17	497	<i>Emersonii</i> Couth.	Massachusetts bay.
17	498	<i>fulminatus</i> Couth.	Cohasset.
17	499	<i>marginatus</i> Gmelin.	Phillips' beach.
17	500	<i>pectinatus</i> Gould.	Phillips' beach.
17	501	<i>ruber</i> Lowe.	Phillips' beach.
17	502	<i>mendicarius</i> Mighels.	Maine.
17	503	<b>Patella candida</b> Couth.	Massachusetts bay.
17	504	<i>Oregana</i> Nuttall.	Columbia river.
17	505	<b>Patelloida testudinalis</b> Couth.	Massachusetts bay.
17	506	<i>alveus</i> Conrad.	Massachusetts bay.
17	507	<b>Siphonaria alternata</b> Say.	Florida.
17	508	<b>Cemoria Noachina</b> Lam.	Massachusetts bay.
17	509	<i>princeps</i> Mighels.	Maine.
17	510	<b>Calyptroea striata</b> Say.	New Jersey.
17	511	<b>Crepidula fornicata</b> Lam.	New York bay.
17	512	<i>unguiformis</i> Lam.	New York bay.
17	513	<i>intorta</i> Say.	Southern States.
17	514	<i>conveza</i> Say.	Atlantic coast.
17	515	<i>depressa</i> Say.	Southern States.
17	516	<i>glauca</i> Say.	Chelsea beach.
17	517	<i>plana</i> Say.	New York bay.
17	518	<b>Ancylus rivularis</b> Say.	Ohio and New York.
17	519	var. <i>Brunneus</i> Hald.	James river, Va.
17	520	<i>filosus</i> Conrad.	Alabama.
17	521	<i>tardus</i> Say.	Vermont.
17	522	<i>parallelus</i> Hald.	New England.
17	523	<i>fuscus</i> Adams.	Andover, Mass.
18	524	<i>crassus</i> Hald.	Oregon.
18	525	<i>diaphanus</i> Hald.	Ohio.



Page.	No.	Name.	Locality.
18	526	<b>Ancylus depressus</b> <i>Hald.</i>	Holstein river, Va.
18	527	<i>obscurus</i> <i>Hald.</i>	Nolachucky riv., Tenn.
18	528	<b>Bullina canaliculata</b> <i>Say.</i>	St. Simon's island, Ga.
18	529	<b>Bulla debilis</b> <i>Gould.</i>	Massachusetts bay.
18	530	<i>Gouldii</i> <i>Couth.</i>	Massachusetts bay.
18	531	<i>hiemalis</i> <i>Couth.</i>	Massachusetts bay.
18	532	<i>insculpta</i> <i>Totten.</i>	New York bay.
18	533	<i>lineolata</i> <i>Couth.</i>	Massachusetts bay.
18	534	<i>obstricta</i> <i>Gould.</i>	New York bay.
18	535	<i>oryza</i> <i>Totten.</i>	Newport river.
18	536	<i>triticea</i> <i>Couth.</i>	Massachusetts bay.
18	537	<i>pertenuis</i> <i>Mighels.</i>	Maine.
18	538	<b>Vitrina pellucida</b> <i>Drap.</i>	Iowa Territory.
18	539	<b>Helix albolabris</b> <i>Say.</i>	United States.
18	540	<i>alternata</i> <i>Say.</i>	New York to Ohio.
18	541	<i>appressa</i> <i>Say.</i>	Western States.
18	542	<i>arborea</i> <i>Say.</i>	Mass. to Ohio.
18	543	<i>avara</i> <i>Ferussac.</i>	Florida.
18	544	<i>auriculata</i> <i>Lam.</i>	Florida.
18	545	<i>clausa</i> <i>Say.</i>	Western States
18	546	<i>cellaria</i> <i>Müll.</i>	Massachusetts.
18	547	<i>concava</i> <i>Say.</i>	Ohio.
18	548	<i>Columbiana</i> <i>Lea.</i>	Oregon Territory.
18	549	<i>Cumberlandicus</i> <i>Lea.</i>	Tennessee.
18	550	<i>dentifera</i> <i>Binney.</i>	Vermont.
18	551	<i>dealbata</i> <i>Say.</i>	Missouri.
18	552	<i>demissa</i> <i>Say.</i>	Alabama.
18	553	<i>diodonta</i> <i>Say.</i>	Ohio.
18	554	<i>Dorfeuilliana</i> <i>Lea.</i>	Ohio.
18	555	<i>elevata</i> <i>Say.</i>	Western States.
19	556	<i>electrina</i> <i>Gould.</i>	Cambridge, Mass
19	557	<i>Edgarina</i> <i>Lea.</i>	Tennessee.
19	558	<i>egena</i> <i>Say.</i>	Pennsylvania.
19	559	<i>fatigata</i> <i>Binney.</i>	Vermont.
19	560	<i>fraterna</i> <i>Say.</i>	East'n & West'n States.
19	561	<i>fuliginosa</i> <i>Griff.</i>	Ohio.
19	562	<i>glaphyra</i> <i>Say.</i>	Ohio.
19	563	<i>gularis</i> <i>Say.</i>	Ohio.
19	564	<i>hortensis</i> <i>Müll</i>	Portsmouth, N. H.
19	565	<i>harpa</i> <i>Say.</i>	Southwestern States.
19	566	<i>hirsuta</i> <i>Say.</i>	Staten Island.
19	567	<i>inornata</i> <i>Say.</i>	Pennsylvania.
19	568	<i>inflecta</i> <i>Say.</i>	Western States.
19	569	<i>indentata</i> <i>Say.</i>	Ohio.
19	570	<i>interna</i> <i>Say.</i>	Kentucky.

Page.	No.	Name.	Locality.
19	571	<b>Helix immitissima</b> <i>Lea.</i>	Cincinnati.
19	572	<i>irrorata</i> <i>Say.</i>	Pennsylvania.
19	573	<i>labyrinthica</i> <i>Say.</i>	Massachusetts.
19	574	<i>ligera</i> <i>Say.</i>	Ohio.
19	575	<i>lineata</i> <i>Say.</i>	Ohio & Mass.
19	576	<i>incubrata</i> <i>Say.</i>	Alabama.
19	577	<b>Mobiliana</b> <i>Lea.</i>	Mobile.
19	578	<b>monodon</b> <i>Binney.</i>	Western States.
19	579	<i>minuta</i> <i>Say.</i>	Mass. to Missouri.
19	580	<i>multilineata</i> <i>Say.</i>	Southwestern States.
19	581	<b>Michelliana</b> <i>Lea.</i>	Ohio.
19	582	<b>Nuttalliana</b> <i>Lea.</i>	Oregon.
19	583	<i>obstricta</i> <i>Say.</i>	Ohio.
19	584	<i>pallida</i> <i>Say.</i>	Ohio.
19	585	<b>Pennsylvanica</b> <i>Green.</i>	Pennsylvania.
19	586	<i>perspectiva</i> <i>Say.</i>	New York & Ohio.
19	587	<i>porcina</i> <i>Say.</i>	Iowa.
19	588	<i>profunda</i> <i>Say.</i>	Ohio.
19	589	<i>plicata</i> <i>Say.</i>	Alabama.
19	590	<i>septemvolva</i> <i>Ferussac.</i>	Georgia.
19	591	<i>solitaria</i> <i>Say.</i>	Ohio.
20	592	<i>subplana</i> <i>Binney.</i>	Tennessee.
20	593	<i>suppressa</i> <i>Say.</i>	Ohio.
20	594	<i>thyroidus</i> <i>Say.</i>	Eastern States.
20	595	<b>Townsendiana</b> <i>Lea.</i>	Oregon.
20	596	<i>tridentata</i> <i>Say.</i>	Mass. to Missouri.
20	597	<b>Troostiana</b> <i>Lea.</i>	Tennessee.
20	598	<i>tenuistriata</i> <i>Lea.</i>	Cincinnati.
20	599	<b>Tennesseensis</b> <i>Lea.</i>	Tennessee.
20	600	<b>Wardiana</b> <i>Lea.</i>	Ohio.
20	601	<b>Vancouverensis</b> <i>Lea.</i>	Oregon.
20	602	<i>zaleta</i> <i>Say.</i>	Western States.
20	603	<b>Carocolla Edgarina</b> <i>Lea.</i>	Tennessee.
20	604	<b>Cumberlandicus</b> <i>Lea.</i>	Tennessee.
20	605	<i>spinosa</i> <i>Lea.</i>	Alabama.
20	606	<b>Helicina orbiculata</b> <i>Say.</i>	Ohio & Florida.
20	607	<i>occulta</i> <i>Say.</i>	Indiana.
20	608	<b>Pupa armifera</b> <i>Say.</i>	Western States.
20	609	<i>badia</i> <i>Adams.</i>	Crown Point, N. Y.
20	610	<i>carinata</i> <i>Gould.</i>	Maryland.
20	611	<i>contracta</i> <i>Say.</i>	Virginia.
20	612	<i>corticaria</i> <i>Say.</i>	Ohio.
20	613	<i>curvidens</i> <i>Gould.</i>	Massachusetts.
20	614	<i>exigua</i> <i>Say.</i>	Pennsylvania.
20	615	<i>fallax</i> <i>Say.</i>	Massachusetts.

Page.	No.	Name.	Locality.
20	616	<b>Pupa ovata</b> Say.	Pennsylvania.
20	617	<i>placida</i> Say.	Massachusetts.
20	618	<i>millium</i> Gould.	Massachusetts.
20	619	<i>simplex</i> Gould.	Massachusetts.
20	620	<i>rupicola</i> Say.	Florida.
20	621	<i>procera</i> Gould.	Baltimore.
20	622	<b>Tappanianus</b> Ward.	Massachusetts.
20	623	<i>modesta</i> Say.	Iowa.
20	624	<i>pentodon</i> Say.	Ohio.
21	625	<b>Bulimus lubricus</b> Drap.	Massachusetts.
21	626	<i>dealbatus</i> Say.	Western prairies.
21	627	<i>mutilatus</i> Say.	South Carolina.
21	628	<i>multilineatus</i> Say.	Florida.
21	629	<i>radiatus</i> Lam.	Western prairies.
21	630	<b>Achatina striata</b> Lam.	Georgia.
21	631	<i>solida</i> Say.	Florida.
21	632	<i>virginea</i> Lam.	Florida.
21	633	<b>Succinea avara</b> Say.	Ohio to New York.
21	634	<i>aurea</i> Lea.	Ohio.
21	635	<i>aperta</i> Lea.	Oregon.
21	636	<i>campestris</i> Say.	Southern States.
21	637	<b>Nuttalliana</b> Lea.	Oregon.
21	638	<i>ovalis</i> Say.	East'n & West'n States.
21	639	<i>obliqua</i> Say.	Penn. to Ohio.
21	640	<b>Oregonensis</b> Lea.	Oregon.
21	641	<i>inflata</i> Lea.	South Carolina.
21	642	<i>retusa</i> Say.	Ohio.
21	643	<b>Totteniana</b> Lea.	Rhode Island.
21	644	<i>vermeta</i> Say.	Indiana.
21	645	<b>Wardiana</b> Lea.	Ohio.
21	646	<b>Auricula bidentata</b> Say.	Mass. to Florida.
21	647	<i>lineata</i> Say.	Maryland & N. Jersey.
21	648	<i>obliqua</i> Say.	South Carolina.
21	649	<i>borealis</i> Conrad.	Rhode Island.
21	650	<i>denticulata</i> Mont.	Massachusetts bay.
21	651	<b>Planorbis armigerus</b> Say.	Mass. to Missouri.
21	652	<i>bellus</i> Lea.	Tennessee.
21	653	<i>bicarinatus</i> Say.	Mass. to Missouri.
21	654	<b>Buchanensis</b> Lea.	Ohio.
21	655	<i>campanulatus</i> Say.	Maine to Ohio.
21	656	<i>corpulentus</i> Say.	New York to Ohio.
22	657	<i>concavus</i> Anthony.	Ohio.
22	658	<i>deflectus</i> Say.	Western States.
22	659	<i>dilatatus</i> Gould.	Massachusetts.
22	660	<i>exacuus</i> Say.	Western States.

Page.	No.	Name.	Locality.
22	661	<b>Planorbis glabratus</b> <i>Say.</i>	South Carolina.
22	662	<i>lentus</i> <i>Say.</i>	Ohio.
22	663	<i>megasoma</i> <i>De Kay.</i>	New York island.
22	664	<i>obtusa</i> <i>Lea.</i>	Ohio.
22	665	<i>obliquus</i> <i>De Kay.</i>	New York island.
22	666	<i>parallelus</i> <i>Say.</i>	Upper Missouri.
22	667	<i>regularis</i> <i>Lea.</i>	Western rivers.
22	668	<i>trivolvus</i> <i>Say.</i>	New York.
22	669	var. <i>fallax</i> <i>Hald.</i>	Massachusetts.
22	670	<i>parvus</i> <i>Hald</i>	Massachusetts.
22	671	<i>antrosus</i> <i>Conrad.</i>	Alabama.
22	672	<i>lens</i> <i>Lea.</i>	Ohio.
22	673	<i>elevatus</i> <i>Adams.</i>	New York.
22	674	<i>hirsutus</i> <i>Gould.</i>	New Bedford.
22	675	<i>virens</i> <i>Adams.</i>	New Bedford.
22	676	<b>Physa ancillaria</b> <i>Say.</i>	New York.
22	677	<i>aurea</i> <i>Lea.</i>	Virginia.
22	678	<i>distorta</i> <i>Hald.</i>	Ohio.
22	679	<i>elongata</i> <i>Say.</i>	Western States.
22	680	<i>eliptica</i> <i>Lea.</i>	Ohio.
22	681	<i>gyrina</i> <i>Say.</i>	Georgia.
22	682	<i>heterostropha</i> <i>Say.</i>	Maine to Missouri.
22	683	<i>Hildrethiana</i> <i>Lea.</i>	Illinois.
22	684	<i>inflata</i> <i>Lea.</i>	Virginia.
22	685	<i>microstoma</i> <i>Hald.</i>	Ohio.
22	686	<i>obesa</i> <i>Mighels.</i>	Maine.
22	687	<i>plicata</i> <i>De Kay.</i>	New York island.
22	688	<i>pomilia</i> <i>Conrad.</i>	Alabama.
22	689	<i>Sayii</i> <i>Tappan.</i>	Ohio.
22	690	<i>Troostiana</i> <i>Lea.</i>	Tennessee.
22	691	<i>fragilis</i> <i>Mighels.</i>	Maine.
23	692	<b>Lymncea acuta</b> <i>Lea.</i>	Philadelphia.
23	693	<i>apicina</i> <i>Lea.</i>	Oregon.
23	694	<i>appressa</i> <i>Say.</i>	Lake Champlain.
23	695	<i>bulimoides</i> <i>Lea.</i>	Oregon.
23	696	<i>catascopium</i> <i>Say.</i>	Middle States.
23	697	<i>caperata</i> <i>Say.</i>	Indiana.
23	698	<i>columella</i> <i>Say.</i>	Indiana.
23	699	<i>coarctata</i> <i>Lea.</i>	Newport, R. I.
23	700	<i>casta</i> <i>Lea</i>	Ohio.
23	701	<i>chalybæa</i> <i>Gould.</i>	New York.
23	702	<i>curta</i> <i>Lea.</i>	Ohio.
23	703	<i>deciduosa</i> <i>Say.</i>	New York to Ohio.
23	704	<i>decollata</i> <i>Mighels.</i>	Portland, Me.
23	705	<i>elodes</i> <i>Say.</i>	Western States.

Page.	No.	Name.	Locality.
23	706	<b>Lymnœa emarginata</b> Say.	Maine.
23	707	<b>exigua</b> Lea.	Tennessee.
23	708	<b>expansa</b> Hald.	Vermont.
23	709	<b>exilis</b> Lea.	Ohio.
23	710	<b>fusiformis</b> Lea.	Niagara.
23	711	<b>Griffithiana</b> Lea.	Lake Champlain.
23	712	<b>gracilis</b> Jay.	Lake Champlain.
23	713	<b>humilis</b> Say.	South Carolina.
23	714	<b>jugularis</b> Say.	Lake Champlain.
23	715	<b>Kirtlandianus</b> Lea.	Ohio.
23	716	<b>macrostoma</b> Say.	Western States.
23	717	<b>megasoma</b> Say.	Iowa & Vermont.
23	718	<b>modicella</b> Say.	Oswego.
23	719	<b>Nuttalliana</b> Lea.	Oregon.
23	720	<b>obrussa</b> Say.	Pennsylvania.
23	721	<b>pallida</b> Adams.	Vermont.
23	722	<b>parva</b> Lea.	Ohio.
23	723	<b>Philadelphica</b> Lea.	Schuylkill.
23	724	<b>platyostoma</b> Hald.	Vermont.
23	725	<b>planulata</b> Lea.	Virginia.
23	726	<b>plica</b> Lea.	Tennessee.
23	727	<b>reflexa</b> Say.	Ohio.
24	728	<b>rustica</b> Lea.	Ohio.
24	729	<b>strigosa</b> Lea.	Ohio.
24	730	<b>solida</b> Lea.	Oregon.
24	731	<b>umbrosa</b> Say.	Ohio.
24	732	<b>umbilicata</b> Adams.	New Bedford.
24	733	<b>pinguis</b> Say.	Schuylkill.
24	734	<b>Melania acuta</b> Lea.	Tennessee.
24	735	<b>alveare</b> Conrad.	Alabama.
24	736	<b>annulifera</b> Conrad.	Alabama.
24	737	<b>armigera</b> Say.	Kentucky.
24	738	<b>altilis</b> Lea.	Susquehanna.
24	739	<b>acuto-carinata</b> Lea.	Tennessee.
24	740	<b>bitænata</b> Conrad.	Alabama.
24	741	<b>blanda</b> Lea.	Tennessee.
24	742	<b>Babylonica</b> Lea.	Ohio.
24	743	<b>Boykineana</b> Lea.	Georgia.
24	744	<b>brevis</b> Lea.	Alabama.
24	745	<b>Buddii</b> De Kay.	Erie canal.
24	746	<b>canaliculata</b> Say.	Ohio.
24	747	<b>cancellata</b> Say.	Florida.
24	748	<b>carinata</b> Rav.	North Carolina.
24	749	<b>catenaria</b> Say.	South Carolina.
24	750	<b>calyginosa</b> Lea.	Tennessee.

Page.	No.	Name.	Locality.
24	751	<b>Melania catenoides</b> <i>Lea.</i>	Georgia.
24	752	<i>castanea</i> <i>Lea.</i>	Tennessee.
24	753	<i>circincta</i> <i>Lea.</i>	Tennessee.
24	754	<i>comma</i> <i>Conrad.</i>	Alabama.
24	755	<i>congesta</i> <i>Conrad.</i>	Alabama.
24	756	<i>carinifera</i> <i>Lam.</i>	Cherokee country.
24	757	<i>corrugata</i> <i>Lea.</i>	Tennessee.
24	758	<i>columella</i> <i>Lea.</i>	Ohio.
24	759	<i>conica</i> <i>Say.</i>	Kentucky.
24	760	<i>costulata</i> <i>Lea.</i>	Tennessee.
24	761	<i>concina</i> <i>Lea.</i>	Tennessee.
24	762	<i>crebricostata</i> <i>Lea.</i>	Tennessee.
25	763	<i>clavæformis</i> <i>Lea.</i>	Tennessee.
25	764	<i>curvata</i> <i>Lea.</i>	Tennessee.
25	765	<b>Cuneyana</b> <i>Lea.</i>	Kentucky.
25	766	<i>cylindrica</i> <i>Conrad.</i>	Alabama.
25	767	<i>depygis</i> <i>Say.</i>	Ohio.
25	768	<i>decora</i> <i>Lea.</i>	Kentucky.
25	769	<b>Deshayesiana</b> <i>Lea.</i>	Tennessee.
25	770	<b>Duttoniana</b> <i>Lea.</i>	Tennessee.
25	771	<i>dubisoa</i> <i>Lea.</i>	Tennessee.
25	772	<i>ebenum</i> <i>Lea.</i>	Tennessee.
25	773	<b>Edgariana</b> <i>Lea.</i>	Tennessee.
25	774	<i>elongata</i> <i>Lea.</i>	Tennessee.
25	775	<i>elevata</i> <i>Say.</i>	Ohio.
25	776	<i>expansa</i> <i>Lea.</i>	Alabama.
25	777	<i>excurvata</i> <i>Conrad.</i>	Tennessee.
25	778	<i>exilis</i> <i>Hald.</i>	Ohio.
25	779	<i>florentina</i> <i>Lea.</i>	Alabama.
25	780	<b>Formanii</b> <i>Lea.</i>	Alabama.
25	781	<i>formosa</i> <i>Conrad.</i>	Alabama.
25	782	<i>fuscata</i> <i>Desh.</i>	Virginia.
25	783	<i>fuliginosa</i> <i>Lea.</i>	Tennessee.
25	784	<i>fusiformis</i> <i>Lea.</i>	Tennessee.
25	785	<i>glabra</i> <i>Lea.</i>	Tennessee.
25	786	<i>globula</i> <i>Lea.</i>	Tennessee.
25	787	<i>gracilis</i> <i>Lea.</i>	Tennessee.
25	788	<b>Haysiana</b> <i>Lea.</i>	Tennessee.
25	789	<b>Holstoniana</b> <i>Lea.</i>	Tennessee.
25	790	<b>Hildrethiana</b> <i>Lea.</i>	Ohio.
25	791	<b>Hydeii</b> <i>Conrad.</i>	Alabama.
25	792	<i>impressa</i> <i>Lea.</i>	Alabama.
25	793	<i>inflata</i> <i>Lea.</i>	Virginia.
25	794	<i>integra</i> <i>Say.</i>	Ohio.
25	795	<i>interrupta</i> <i>Hald.</i>	Tennessee.

Page.	No.	Name.	Locality.
25	796	<b>Melania Jayana</b> <i>Lea.</i>	Tennessee.
25	797	<b>Kirtlandiana</b> <i>Lea.</i>	Ohio.
25	798	<b>laqueata</b> <i>Say.</i>	Cumberland river.
26	799	<b>Lecontiana</b> <i>Lea.</i>	Georgia.
26	800	<b>lima</b> <i>Conrad.</i>	Alabama.
26	801	<b>læta</b> <i>Jay.</i>	Alabama.
26	802	<b>lævigata</b> <i>Lea.</i>	Clairborne.
26	803	<b>melanoides</b> <i>Conrad.</i>	Alabama.
26	804	<b>monozonalis</b> <i>Lea.</i>	Tennessee.
26	805	<b>multilineata</b> <i>Say.</i>	Ohio.
26	806	<b>multistriata</b> <i>Lea.</i>	Alabama.
26	807	<b>nasula</b> <i>Conrad.</i>	Alabama.
26	808	<b>nupera</b> <i>Say.</i>	Wabash.
26	809	<b>Nickliniana</b> <i>Lea.</i>	Virginia.
26	810	<b>Niagarensis</b> <i>Lea.</i>	Niagara.
26	811	<b>nitens</b> <i>Lea.</i>	Tennessee.
26	812	<b>nodulosa</b> <i>Lea.</i>	Tennessee.
26	813	<b>obovata</b> <i>Say.</i>	Ohio.
26	814	<b>obtusa</b> <i>Lea.</i>	Tennessee.
26	815	<b>Oconeensis</b> <i>Lea.</i>	Tennessee.
26	816	<b>occidentalis</b> <i>Lea.</i>	Cincinnati.
26	817	<b>olivula</b> <i>Conrad.</i>	Alabama.
26	818	<b>oliva</b> <i>Lea.</i>	Alabama.
26	819	<b>Ordiana</b> <i>Lea.</i>	Tennessee.
26	820	<b>oveliana</b> <i>Lea.</i>	Alabama.
26	821	<b>ovalis</b> <i>Lea.</i>	Alabama.
26	822	<b>perfusca</b> <i>Lea.</i>	Tennessee.
26	823	<b>plicifera</b> <i>Lea.</i>	Oregon.
26	824	<b>picta</b> <i>Lea.</i>	Tennessee.
26	825	<b>piluta</b> <i>Lea.</i>	Tennessee.
26	826	<b>Potosiensis</b> <i>Lea.</i>	Missouri.
26	827	<b>proxima</b> <i>Say.</i>	N. & S. Carolina.
26	828	<b>prasinata</b> <i>Conrad.</i>	Alabama.
26	829	<b>producta</b> <i>Lea.</i>	Tennessee.
26	830	<b>pyrinella</b> <i>Conrad.</i>	Alabama.
26	831	<b>regularis</b> <i>Lea.</i>	Tennessee.
26	832	<b>robusta</b> <i>Lea.</i>	Alabama.
26	833	<b>rufa</b> <i>Lea.</i>	Tennessee.
26	834	<b>salebrosa</b> <i>Conrad.</i>	Tennessee.
27	835	<b>Sayii</b> <i>Ward.</i>	Ohio.
27	836	<b>semicarinata</b> <i>Say.</i>	Ohio.
27	837	<b>simplex</b> <i>Say.</i>	Virginia.
27	838	<b>sordida</b> <i>Lea.</i>	Tennessee.
27	839	<b>strigosa</b> <i>Lea.</i>	Tennessee.
27	840	<b>stygia</b> <i>Say.</i>	Tennessee.

Page.	No.	Name.	Locality.
27	841	<b>Melania striata</b> <i>Lea.</i>	Tennessee.
27	842	<i>subularis</i> <i>Lea.</i>	Niagara Falls.
27	843	<i>subglobosa</i> <i>Say.</i>	Ohio.
27	844	<i>subsolida</i> <i>Lea.</i>	Tennessee.
27	845	<i>subcylindracea</i> <i>Lea.</i>	Tennessee.
27	846	<i>substriata</i> <i>Hald.</i>	Ohio.
27	847	<i>substricta</i> <i>Hald.</i>	Tennessee.
27	848	<i>suturalis</i> <i>Hald.</i>	Tennessee.
27	849	<i>sulcosa</i> <i>Lea.</i>	Tennessee.
27	850	<b>Taitiana</b> <i>Lea.</i>	Clairborne.
27	851	<i>teres</i> <i>Lea.</i>	Tennessee.
27	852	<i>terebralis</i> <i>Lea.</i>	Tennessee.
27	853	<i>tenebrosa</i> <i>Lea.</i>	Tennessee.
27	854	<i>torquata</i> <i>Lea.</i>	Tennessee.
27	855	<b>Troostiana</b> <i>Lea.</i>	Tennessee.
27	856	<i>trochiformis</i> <i>Conrad.</i>	Alabama.
27	857	<i>trilineata</i> <i>Say.</i>	Ohio.
27	858	<i>tuberculata</i> <i>Lea.</i>	Tennessee.
27	859	<i>turgida</i> <i>Lea.</i>	Tennessee.
27	860	<i>undulata</i> <i>Lea.</i>	Ohio.
27	861	<b>Vanuxemensis</b> <i>Lea.</i>	Alabama.
27	862	<i>varicosa</i> <i>Ward.</i>	Ohio.
27	863	<i>vestita</i> <i>Conrad.</i>	Alabama.
27	864	<i>venusta</i> <i>Say.</i>	Tennessee.
27	865	<b>Virginica</b> <i>Say.</i>	Middle States.
27	866	<i>virgata</i> <i>Lea.</i>	Cincinnati.
27	867	<i>viridis</i> <i>Lea.</i>	Cincinnati.
27	868	<b>Wardiana</b> <i>Lea.</i>	Virginia.
27	869	<b>Anculosa angulata</b> <i>Conrad.</i>	Alabama.
28	870	<i>bella</i> <i>Lea.</i>	Alabama.
28	871	<i>carinata</i> <i>Lea.</i>	Roanoke.
28	872	<i>costata</i> <i>Anthony.</i>	Virginia & Ohio.
28	873	<i>dentata</i> <i>Couth.</i>	Potomac.
28	874	<i>dissimilis</i> <i>Say.</i>	Ohio.
28	875	<b>Formanii</b> <i>Lea.</i>	Alabama.
28	876	<i>gibbosa</i> <i>Lea.</i>	Tennessee.
28	877	<b>Griffithiana</b> <i>Lea.</i>	Alabama.
28	878	<i>integra</i> <i>Say.</i>	Alabama.
28	879	<i>isogona</i> <i>Say.</i>	Ohio.
28	880	<b>Kirtlandiana</b> <i>Anthony.</i>	Virginia.
28	881	<i>monodontoides</i> <i>Conrad.</i>	Virginia.
28	882	<i>nigrescens</i> <i>Conrad.</i>	Maryland.
28	883	<i>obovata</i> <i>Lea.</i>	Alabama.
28	884	<i>picta</i> <i>Conrad.</i>	Alabama.
28	885	<i>plicata</i> <i>Conrad.</i>	Tennessee.



Page.	No.	Name.	Locality.
28	886	<b>Anculosa prærosa</b> Say.	Ohio & Tennessee.
28	887	<i>pumilis</i> Conrad.	Black Warrior.
28	888	<i>planulata</i> Lea.	Alabama.
28	889	<i>rubiginosa</i> Lea.	Alabama.
28	890	<i>solida</i> Lea.	Alabama.
28	891	<i>subglobosa</i> Say.	Tennessee.
28	892	<i>tæniata</i> Conrad.	Alabama.
28	893	<i>turgida</i> Hald.	Alabama.
28	894	<i>tuberculata</i> Lea.	Alabama.
28	895	<b>Troostiana</b> Lea.	Tennessee.
28	896	<i>variabilis</i> Lea.	Roanoke.
28	897	<b>Lythasia genicula</b> Lea.	Alabama.
28	898	<b>Schizostoma incisa</b> Lea.	Alabama.
28	899	<i>excisa</i> Lea.	Alabama.
28	900	? <i>Lea</i> (new).	Alabama.
28	901	? <i>Lea</i> (new).	Alabama.
28	902	<b>Io fusiformis</b> Say.	Holstein river, Va.
29	903	<i>spinosa</i> Lea.	Holstein river, Va.
29	904	<i>tenebrosa</i> Lea.	Tennessee.
29	905	<b>Pirena scalariformis</b> Say.	Fresh water lakes and Florida Keys.
29	906	<b>Valvata arenifera.</b>	Schuylkill.
29	907	<i>cinerea</i> Say.	Western States.
29	908	<i>buccata</i> Lea.	Schuylkill.
29	909	<i>humeralis.</i>	
29	910	<i>pupoidea</i> Gould.	Massachusetts.
29	911	<i>tricarinata</i> Say.	Mass. to Missouri.
29	912	<i>unicarinata</i> De Kay.	Erie canal.
29	913	<b>Paludina angulata</b> Lea.	Alabama.
29	914	<i>bimonilifera</i> Lea.	Alabama.
29	915	<b>Coosaensis</b> Lea.	Coosa river, Ala.
29	916	<i>canaliculata</i> Gould.	Massachusetts.
29	917	<i>cyclostomaformis</i> Lea.	Alabama.
29	918	<i>coarctata</i> Lea.	Alabama.
29	919	<i>decisa</i> Say.	Ohio.
29	920	<i>elongata</i> Swains.	Florida.
29	921	<b>Georgiana</b> Lea.	Georgia.
29	922	<i>grana</i> Say.	Pennsylvania.
29	923	<i>heterostropha</i> Tappan.	Ohio.
29	924	<i>hyalina</i> Lea.	Ohio.
29	925	<i>integra</i> Say.	Ohio.
29	926	<i>intertexta</i> Say.	Louisiana.
29	927	<i>incrassata</i> Lea.	Alabama.
29	928	<i>limosa</i> Say.	Western States.
29	929	<i>magnifica</i> Lea.	Georgia.

Page.	No.	Name.	Locality.
29	930	<b>Paludina Nickliniana</b> <i>Lea.</i>	Hot Springs, Va.
29	931	<b>Nuttalliana</b> <i>Lea.</i>	Oregon.
29	932	<b>nuclea</b> <i>Lea.</i>	Oregon.
29	933	<b>obtusa</b> <i>Lea.</i>	Ohio.
29	934	<b>pallida</b> <i>Lea.</i>	Ohio.
29	935	<b>ponderosa</b> <i>Say.</i>	Ohio.
30	936	<b>regularis</b> <i>Lea.</i>	Ohio.
30	937	<b>subcarinata</b> <i>Say.</i>	Ohio.
30	938	<b>subglobosa</b> <i>Say.</i>	Iowa.
30	939	<b>subpurpurea</b> <i>Say.</i>	Illinois.
30	940	<b>transversa</b> <i>Say.</i>	Louisiana.
30	941	<b>Troostiana</b> <i>Lea.</i>	Tennessee.
30	942	<b>unicolor</b> <i>Lam.</i>	South Carolina.
30	943	<b>virens</b> <i>Lea.</i>	Oregon.
30	944	<b>vivipara</b> <i>Lam.</i>	Southern States.
30	945	<b>scalaris</b> <i>Say.</i>	Florida.
30	946	<b>Amnicola albilabris</b> <i>Ward.</i>	Ohio.
30	947	<b>Cincinnatiensis</b> <i>Anthony.</i>	Ohio.
30	948	<b>dentata</b> <i>Say.</i>	Florida.
30	949	<b>lapidaria</b> <i>Say.</i>	Ohio.
30	950	<b>lustrica</b> <i>Say.</i>	Ohio.
30	951	<b>orbiculata</b> <i>Lea.</i>	Ohio.
30	952	<b>porata</b> <i>Say.</i>	Ohio.
30	953	<b>parva</b> <i>Lea.</i>	Ohio.
30	954	<b>pallida</b> <i>Lea.</i>	Massachusetts.
30	955	<b>Sayana</b> <i>Lea.</i>	Ohio.
30	956	<b>gibbosa</b> <i>Anthony.</i>	Ohio.
30	957	<b>tenuipes</b> <i>Hald.</i>	Georgia.
30	958	<b>Ampularia rugosa</b> <i>Lam.</i>	Mississippi.
30	959	<b>depressa</b> <i>Say.</i>	Florida.
30	960	<b>rotundata</b> <i>Say.</i>	Florida.
30	961	<b>Hopetonensis</b> <i>Lea.</i>	Hopeton, Ga.
30	962	<b>Neritina reclivata</b> <i>Say.</i>	Florida.
30	963	<b>Natica alba</b> <i>Say.</i>	Florida.
31	964	<b>canaliculata</b> <i>Gould.</i>	Massachusetts.
31	965	<b>canrena</b> <i>Lam.</i>	Southern coast.
31	966	<b>clausa</b> <i>Brod.</i>	Massachusetts bay.
31	967	<b>duplicata</b> <i>Say.</i>	New York.
31	968	<b>heros</b> <i>Say.</i>	New York.
31	969	<b>immaculata</b> <i>Totten.</i>	Maine to New York.
31	970	<b>flava</b> <i>Gould.</i>	Massachusetts bay.
31	971	<b>lunata</b> <i>Say.</i>	Southern coast.
31	972	<b>pusilla</b> <i>Say.</i>	Southern coast.
31	973	<b>triseriata</b> <i>Say.</i>	Atlantic coast.
31	974	<b>Sigaretus haliotoideus</b> <i>Lam.</i>	Massachusetts bay.

Page.	No.	Name.	Locality.
31	975	<b>Sigaretus maculatus</b> <i>Say.</i>	Southern coast.
31	976	<i>perspectivus</i> <i>Say.</i>	New Jersey.
31	977	<b>Velutina lævigata</b> <i>Brown.</i>	Cape Ann.
31	978	<i>ovata</i> <i>Brown.</i>	Cape Ann.
31	979	<i>zonata</i> <i>Gould.</i>	Massachusetts bay.
31	980	<b>Odostomia exigua</b> <i>Couth.</i>	Boston bay.
31	981	<i>convoluta</i> <i>Gould.</i>	Massachusetts bay.
31	982	<i>fusca</i> <i>Adams.</i>	Eastern States.
31	983	<i>producta</i> <i>Adams.</i>	Eastern States.
31	984	<i>seminuda</i> <i>Adams.</i>	Eastern States.
31	985	<i>trifida</i> <i>Totten.</i>	Rhode Island.
31	986	<b>Tornatella punctostriata</b> <i>Ad.</i>	New York bay.
31	987	<b>Vermetus lumbricalis</b> <i>Linn.</i>	Newport R. I.
31	988	<b>Janthina communis</b> <i>Lam.</i>	Nantucket.
31	989	<i>fragilis</i> <i>Brug.</i>	New Bedford.
31	990	<b>Scalaria clathrus</b> <i>Say.</i>	Southern coast.
31	991	<i>Grœnlandica.</i>	Massachusetts bay.
31	992	<i>Humphreysii</i> <i>Kiener.</i>	Atlantic coast.
32	993	<i>lineata</i> <i>Say.</i>	Atlantic coast.
32	994	<i>multistriata</i> <i>Say.</i>	Southern coast.
32	995	<i>Novangliæ</i> <i>Couth.</i>	Massachusetts bay.
32	996	<b>Delphinula laxa</b> <i>Say.</i>	South Carolina.
32	997	<b>Skenea serpuloides</b> <i>Adams.</i>	Boston bay.
32	998	<b>Trochus occidentalis</b> <i>Mighels.</i>	Maine.
32	999	<b>Turbo canaliculata</b> <i>Say.</i>	Southern States.
32	1000	<b>Margarita arctica</b> <i>Leach.</i>	Massachusetts bay.
32	1001	<i>argentata</i> <i>Gould.</i>	Cohasset, Mass.
32	1002	<i>acuminata</i> <i>Sowerby.</i>	Maine.
32	1003	<i>cinerea</i> <i>Couth.</i>	Massachusetts bay.
32	1004	<i>obscura</i> <i>Couth.</i>	Nahant.
32	1005	<i>varicosa</i> <i>Mighels.</i>	Maine.
32	1006	<i>undulata</i> <i>Sowerby.</i>	Phillips' beach.
32	1007	<b>Littorina rudis</b> <i>Donv.</i>	Atlantic coast.
32	1008	<i>tenebrosa</i> <i>Mont.</i>	Massachusetts bay.
32	1009	<i>palliata</i> <i>Say.</i>	Atlantic coast.
32	1010	<b>Lacuna fusca</b> <i>Adams.</i>	Massachusetts bay.
32	1011	<i>neritoidea</i> <i>Gould.</i>	Chelsea beach.
32	1012	<i>vincta</i> <i>Mont.</i>	Massachusetts bay.
32	1013	<b>Cingula minuta</b> <i>Totten.</i>	Atlantic coast.
32	1014	<i>aculeus</i> <i>Gould.</i>	Massachusetts bay.
32	1015	<i>semicostata</i> <i>Mont.</i>	Maine.
32	1016	<i>arenaria</i> <i>Mont.</i>	Maine.
32	1017	<i>latior</i> <i>Mighels.</i>	Maine.
32	1018	<b>Pyramis striatula</b> <i>Couth.</i>	Cape Ann.
32	1019	<i>fusca</i> <i>Adams.</i>	New Bedford.

Page.	No.	Name.	Locality.
33	1020	<b>Turritella alternata</b> Say.	Atlantic coast.
33	1021	<i>bisuturalis</i> Say.	Massachusetts bay.
33	1022	<i>concava</i> Say.	South Carolina.
33	1023	<i>costulata</i> Mighels.	Maine.
33	1024	<i>erosa</i> Couth.	Massachusetts bay.
33	1025	<i>equalis</i> Say.	South Carolina.
33	1026	<i>impressa</i> Say.	Maryland.
33	1027	<i>interrupta</i> Totten.	Rhode Island.
33	1028	<i>reticulata</i> Mighels.	Maine.
33	1029	<b>Cerithium ferrugineum</b> Say.	Florida.
33	1030	<b>Greenii</b> Adams.	Dartmouth harbor.
33	1031	<b>Emersonii</b> Adams.	New Bedford.
33	1032	<i>nigrocinctum</i> Adams.	New Bedford.
33	1033	<i>terebrale</i> Adams.	New Bedford.
33	1034	<i>muscarium</i> Say.	Florida.
33	1035	<i>septemistriatum</i> Say.	Florida.
33	1036	<b>Sayii</b> Menke.	New Bedford.
33	1037	?	New York bay.
33	1038	<b>Pleurotoma bicarinata</b> Couth.	Massachusetts bay.
33	1039	<i>decussata</i> Couth.	Massachusetts bay.
33	1040	<i>plicata</i> Adams.	Massachusetts bay.
33	1041	<i>violacea</i> Mighels.	Maine.
33	1042	<b>Cancellaria Couthouyi</b> Jay.	Massachusetts bay.
33	1043	<b>Fasciolaria ligata</b> Mighels.	Maine.
33	1044	<b>Fusus Bamffius</b> Fleming.	Massachusetts bay.
33	1045	<i>cinereus</i> Say.	Atlantic coast.
33	1046	<i>cancellatus</i> Mighels.	Maine.
33	1047	<i>decemcostatus</i> Say.	Massachusetts bay.
33	1048	<i>bicolor</i> Say.	Florida.
33	1049	<i>harpularius</i> Couth.	Massachusetts bay.
33	1050	<i>Islandicus</i> Martini.	Massachusetts bay.
34	1051	<i>muricatus</i> Brown.	Massachusetts bay.
34	1052	<i>rufus</i> Gould.	Massachusetts bay.
34	1053	<i>turricula</i> Brown.	Cape Ann.
34	1054	<i>tornatus</i> Gould.	Massachusetts bay.
34	1055	<i>scalariformis</i> Gould.	Massachusetts bay.
34	1056	<i>pygmæus</i> Gould.	Massachusetts bay.
34	1057	<i>ventricosus</i> Gray.	Massachusetts bay.
34	1058	<b>Pyrula canaliculata</b> Lam.	New York.
34	1059	<i>carica</i> Lam.	New York.
34	1060	<i>perversa</i> Say.	Florida.
34	1061	<i>papyratia</i> Say.	Georgia.
34	1062	<i>spirata</i> Say.	Southern States.
34	1063	<b>Stillmanii</b> De Kay.	New York.
34	1064	<b>Ranella candata</b> Say.	New York bay.

Page.	No.	Name.	Locality.
34	1065	<b>Rostellaria occidentalis</b> Beck.	Stomach of fish.
34	1066	<b>Trichotropis borealis</b> Sowerby.	Massachusetts bay.
34	1067	<b>Strombus gigas</b> Linn.	Mobile bay.
34	1068	<i>pyrolatus</i> Lam.	Mobile bay.
34	1069	<i>pugilis</i> Linn.	Florida.
34	1070	<b>Purpura lapillus</b> Lam.	Massachusetts bay.
34	1071	var. <i>imbricata</i> Lam.	Massachusetts bay.
34	1072	var. <i>bizonalis</i> Lam.	Massachusetts bay.
34	1073	<b>Dolium perdix</b> Lam.	Southern coast.
34	1074	<i>olearium</i> Lam.	Southern coast.
34	1075	<b>Cassis flammea</b> Kiener.	North Carolina.
34	1076	<i>saburon</i> Brug.	North Carolina.
34	1077	<b>Buccinum acutum</b> Say.	St. Simon's island.
35	1078	<i>album</i> Say.	Florida.
35	1079	<i>Donovanii</i> Gray.	Maine.
35	1080	<i>ciliatum</i> Gould.	Massachusetts bay.
35	1081	<i>ornatum</i> Say.	Florida.
35	1082	<i>obsoletum</i> Say.	Atlantic coast.
35	1083	<i>rosaceum</i> Gould.	Massachusetts bay.
35	1084	<i>lunatum</i> Say.	Southern States.
35	1085	<i>trivittatum</i> Say.	New York.
35	1086	<i>undatum</i> Linn.	Massachusetts bay.
35	1087	<i>unicinctum</i> Say.	South Carolina.
35	1088	<i>Wheatleyi</i> De Kay.	New York bay.
35	1089	<i>vibex</i> Say.	Massachusetts bay.
35	1090	<b>Terebra Petitti</b> Kiener.	Georgia.
35	1091	<b>Columbella avara</b> Say.	Mass. to Georgia.
35	1092	<i>mercatoria</i> Say.	Florida.
35	1093	<b>Marginella carnea</b> Storer.	Florida.
35	1094	<i>flavida</i> Redfield.	Florida.
35	1095	<b>Oliva conoidalis</b> Lam.	Florida keys.
35	1096	<i>erythostoma</i> Lam.	Florida keys.
35	1097	<i>Sayana</i> Lam.	Florida keys.
35	1098	<i>litterata</i> Say.	Florida keys.
35	1099	<i>textilina</i> Lam.	Florida keys.
35	1100	<i>oryza</i> Lam.	Florida keys.
35	1101	<i>mutica</i> Say.	Southern States.
35	1102	<i>zonalis</i> .	Southern States.
35	1103	<b>Conus leucostricus</b> Gmelin.	Florida keys.
35	1104	<i>mamillaris</i> Green.	Florida keys.
35	1105	<i>Pealeii</i> Green.	Florida keys.
35	1106	<i>mus</i> Brug.	Florida keys.
35	1107	<i>verrucosus</i> Lam.	Florida keys.
35	1108	<b>Spirula Peronii</b> Lam.	Nantucket.

**Gould.**—Expedition Shells described for the work of the United States Exploring Expedition, commanded by Charles Wilkes, U. S. N.: by AUG. A. GOULD, M. D. Boston, 1846. (Vide Proceedings of the Boston Soc. Nat. Hist., vol. ii.)

(Under this title, Dr. GOULD distributed extras of his papers in Boston Society's Proceedings.)

**Redfield.**—Description of some New Species of Shells: by JOHN H. REDFIELD. (Annals of N. Y. Lyc. Nat. Hist., vol. iv, No. 5, p. 163. 1846.)

Page.	Plate.	Fig.	Name.	Locality.
165	xi	2	<b>Triton Oregonense</b> Redfield.	Straits of San Juan de Fuca, Oregon.

**Gibbes.**—Molluscos Animals of South Carolina: by Prof. LEWIS R. GIBBES. (From Appendix to the Geology of South Carolina, 1848. No descriptions are given.)

Page.		Page.	
xix	<b>Octopus granulatus</b> Lam.	xix	<b>Pupa ovata</b> Say.
xix	<b>Loligo brevipenna</b> Les.	xix	<b>pentodon</b> Say.
xix	<b>Spirula Peronii</b> Lam.	xix	<b>Bulimus decollatus</b> L.
xix	<b>Tebennophorus Carolinensis</b> Bosc.	xix	————— ?
xix	<b>Limax flavus</b> Linn.	xix	<b>Glandina truncata</b> Gmel.
xix	<b>Helix albolabris</b> Say.	xix	<b>Succinea campestris</b> Say.
xix	<b>major</b> Binn.	xix	<b>ovalis</b> Say.
xix	<b>aspersa</b> Müll.	xix	<b>Auricula bidentata</b> Say.
xix	<b>thyroidus</b> Say.	xix	<b>obliquus</b> Say.
xix	<b>tridentata</b> Say.	xix	<b>Planorbis lentus</b> Say.
xix	<b>fallax</b> Say.	xix	<b>parvus</b> Say.
xix	<b>appressa</b> Say.	xix	<b>glabratus</b> Say.
xix	<b>auriculata</b> Say.	xix	<b>Physa gyrina</b> Say.
xix	<b>Carolinensis</b> Lea.	xx	<b>Limnæus columella</b> Say.
xix	<b>inornata</b> Say.	xx	<b>macrostoma</b> Say.
xix	<b>concava</b> Say.	xx	<b>humilis</b> Say.
xix	<b>alternata</b> Say.	xx	<b>Paludina decisa</b> .
xix	<b>perspectiva</b> Say.	xx	<b>integra</b> Say.
xix	<b>gularis</b> Say.	xx	<b>intertexta</b> Say.
xix	<b>pulchella</b> Müll.	xx	<b>Melania proxima</b> Say.
xix	<b>Pupa rupicola</b> .	xx	<b>catenaria</b> Say.
xix	<b>fallax</b> Say.	xx	<b>altilis</b> Lea.
		xx	<b>Ancylus</b> ——— ?

Page.		Page.	
xx	<i>Fissurella alternata</i> Say.	xxi	<i>Oliva literata</i> Lam.
xx	<i>Crepidula fornicata</i> Linn.	xxi	<i>mutica</i> Say.
xx	<i>plana</i> Say.	xxi	<i>Unio complanatus</i> Sol.
xx	<i>aculeata</i> Gmel.	xxi	<i>confertus</i> Lea.
xx	<i>Chiton apiculatus</i> Say.	xxi	<i>congaræus</i> Lea.
xx	<i>Bulla solitaria</i> Say.	xxi	<i>fulvus</i> Lea.
xx	<i>canaliculata</i> Say.	xxi	<i>Geddingsianus</i> Lea.
xx	<i>Aplysia</i> ———	xxi	<i>Griffithianus</i> Lea.
xx	<i>Sigaretus perspectivus</i> S.	xxi	<i>jejunus</i> Rav.
xx	<i>Natica pusilla</i> Say.	xxi	<i>palliatu</i> s Lea.
xx	<i>duplicata</i> Say.	xxi	<i>Watereensis</i> Lea.
xx	<i>Scalaria clathrus</i> L.	xxi	<i>angustatus</i> Lea.
xx	<i>multistriata</i> Say.	xxi	<i>foliculatus</i> Lea.
xx	<i>lineata</i> Say.	xxi	<i>Vaughanianus</i> Lea.
xx	<i>Littorina irrorata</i> Say.	xxi	<i>modioliformis</i> Lea.
xx	<i>Turritella</i> ——— ?	xxi	<i>tenerus</i> Rav.
xx	<i>Cancellaria reticulata</i> L.	xxi	<i>crocatus</i> Lea.
xx	<i>Pleurotoma pusilla</i> Rav.	xxi	<i>tæniatus</i> Conr.
xx	<i>Fusus cinereus</i> Say.	xxi	<i>Margaritana marginata</i> Say.
xx	<i>Fasciolaria tulipa</i> L.	xxi	<i>Anodon fluviatilis</i> Sol.
xx	<i>distans</i> Lam.		<i>A. cataracta</i> Say.
xx	<i>gigantea</i> Kiener.	xxi	<i>Dunlapiana</i> Lea.
xx	<i>Pyrula canaliculata</i> Linn.	xxi	<i>incerta</i> Lea.
xx	<i>carica</i> Lam.	xxi	<i>Cyclas partumeia</i> Say.
xx	<i>perversa</i> Linn.	xxi	<i>Cyrena Carolinensis</i> Bosc.
xx	<i>pyrum</i> Dillw.	xxi	<i>Venus mercenaria</i> L.
xx	<i>Ranella caudata</i> Say.	xxi	<i>notata</i> Say.
xx	<i>Murex</i> ———	xxi	<i>paphia</i> L.
xx	<i>Strombus alatus</i> Gmel.	xxi	<i>elevata</i> Say.
xx	<i>Cassis sulcosa</i> Lam.?	xxi	<i>Artemis concentrica</i> Born.
xx	<i>Purpura cataracta</i> Chemn.	xxi	<i>Astarte lunulata</i> Conr.
xx	<i>Dolium galea</i> L.	xxi	<i>Lucina tigrina</i> L.
xx	<i>Nassa uncinata</i> Say.	xxi	<i>divaricata</i> L.
xx	<i>obsoleta</i> Say.	xxi	<i>edentula</i> L.
xx	<i>vibex</i> Say.	xxi	<i>Cardita tridentata</i> Say.
xx	<i>trivittata</i> Say.	xxi	<i>Cardium isocardia</i> L.
xx	<i>Terebra clavata</i> Rav.	xxi	<i>muricatum</i> L.
xx	<i>dislocata</i> Say.	xxi	<i>marmoreum</i> Lam.
xx	<i>concava</i> Say.	xxi	<i>ventricosum</i> Brug.
xx	<i>Columbella avara</i> Say.	xxi	<i>Arca incongrua</i> Say.
xx	<i>lunata</i> Say.	xxi	<i>peyata</i> Say.
xx	<i>Voluta junonia</i> Chemn.	xxi	<i>ponderosa</i> Say.
xx	<i>Marginella spilota</i> Rav.	xxi	<i>transversa</i> Say.
xx	<i>guttata</i> ? Dillw.	xxi	<i>Nucula approxima</i> Say.
xxi	<i>Ovula acicularis</i> Lam.	xxi	<i>acuta</i> Conr.

Page.		Page.	
xxi	<b>Sanguinolaria fusca</b> Say.	xxii	<b>Solen viridis</b> Say.
xxi	<i>lusoria</i> Say.	xxii	<b>Solecurtus caribæus</b> Lam.
xxi	<b>Psammobia Cayennensis</b> Lam.	xxii	<i>fragilis</i> Pult.
xxi	<b>Tellina maculosa</b> Lam.	xxii	<b>Pholas costata</b> Linn.
xxi	<i>alternata</i> Say.	xxii	<i>oblongata</i> Say.
xxi	<i>polita</i> Say.	xxii	<i>truncata</i> Say.
xxi	<i>iris</i> Say.	xxii	<i>semicostata</i> Lea.
xxi	<i>tenera</i> Say.	xxii	<i>cuneiformis</i> Say.
xxi	<i>flexuosa</i> Say.	xxii	<b>Teredo palmulatus?</b>
xxi	<i>brevifrons</i> Say.	xxii	<b>Chama arcinella</b> Linn.
xxi	<b>Donax variabilis</b> Say.	xxii	<b>Mytilus tulipa</b> Lam.
xxii	<b>Saxicava distorta</b> Say.	xxii	<i>plicatula</i> Lam.
xxii	<b>Petricola pholadiformis</b> Lam.	xxii	<i>cubitus</i> Say.
xxii	<i>dactylus</i> Sowb.	xxii	<i>domingensis</i> Lam.
xxii	<b>Lutreria canaliculata</b> Say.	xxii	<i>lateralis</i> Say.
xxii	<i>lineata</i> Say.	xxii	<i>castanea</i> Say.
xxii	<b>Mactra similis</b> Say.	xxii	<i>lithophaga</i> Linn.
xxii	<i>lateralis</i> Say.	xxii	<i>candigera</i> Lam.
xxii	<i>oblongata</i> Say.	xxii	<i>attenuata</i> Desh.
xxii	<i>tellinoides</i> Conr.	xxii	<i>leucopheatus</i> Conr.
xxii	<b>Amphidesma orbiculata</b> S.	xxii	<b>Pinna muricata</b> Linn.
xxii	<i>equalis</i> Say.	xxii	<i>seminuda</i> Lam.
xxii	<i>lepida</i> Say.	xxii	<b>Avicula Atlantica</b> Lam.
xxii	<i>punctata</i> Say.	xxii	<b>Pecten dislocatus</b> Say.
xxii	<b>Mya arenaria</b> L.	xxii	<b>Plicatula cristata</b> Lam.
xxii	<b>Corbula contracta</b> Say.	xxii	<b>Anomia ehippium</b> Linn.
xxii	<b>Solen ensis</b> L.	xxii	<b>Ostrea Virginiana</b> List.
		xxii	<i>fundata</i> Say.
		xxii	<i>equestris</i> Say.

**Western Academy.**—Catalogue of the Unios, Alasmodontas, and Anodontas of the Ohio River and its Northern Tributaries, adopted by the Western Acad. of Natural Sciences of Cincinnati, January, 1849.

Page.		Page.	
3	<b>Unio abruptus</b> Say. <i>U. orbiculatus</i> Hild.	3	<b>Unio catillus</b> Conr. <i>U. coccineus?</i> Hald. <i>Gouldianus</i> Ward (white nacre).
3	<b>Æsopus</b> Green.		
3	<b>alatus</b> Say. <i>U. megaptera</i> Raf.	3	<b>cicatricosus</b> Say. <i>U. varicosus</i> Lea.
3	<b>anodontoides</b> Lea. <i>U. teres?</i> Raf.		



Page.		Page.	
5	<b>Unio circulus</b> <i>Lea.</i> <i>U. lens</i> <i>Lea.</i> <i>subrotunda?</i> <i>Raf.</i>	9	<b>Unio lævissimus</b> <i>Lea.</i> <i>Symph. lævissima</i> <i>Lea.</i>
5	<b>clavus</b> <i>Lam.</i> <i>U. scalenia</i> <i>Raf.</i> <i>patulus</i> <i>Lea.</i>	9	<b>lapillus</b> <i>Say.</i> <i>U. fabalis</i> <i>Lea.</i>
5	<b>compressus</b> <i>Lea.</i> <i>Symph. compressa</i> <i>Lea.</i>	9	<b>monodontus</b> <i>Say.</i> <i>U. soleniformis</i> <i>Lea.</i>
5	<b>Cooperianus</b> <i>Lea.</i>	11	<b>multiradiatus</b> <i>Lea.</i> <i>U. fasciola?</i> <i>Raf.</i>
5	<b>cornutus</b> <i>Barnes.</i>	11	<b>nodosus</b> <i>Barnes.</i> <i>U. metanevra?</i> <i>Raf.</i>
5	<b>crassus</b> <i>Say.</i> <i>U. ellipsaria</i> <i>Raf.</i> <i>ellipticus</i> <i>Barnes.</i> <i>carinatus</i> <i>Barnes.</i> <i>ligamentina</i> <i>Lam.</i>	11	<b>nodulatus</b> <i>Raf.</i> <i>U. pustulatus</i> <i>Lea.</i>
5	<b>cylindricus</b> <i>Say.</i> <i>U. naviformis</i> <i>Lam.</i> <i>solenoides</i> <i>Raf.</i>	11	<b>ovatus</b> <i>Say.</i>
7	<b>cuneatus</b> <i>Barnes.</i> <i>U. nigra</i> <i>Raf.</i>	11	<b>parvus</b> <i>Barnes.</i>
7	<b>dehiscens</b> <i>Say.</i> <i>U. oriens</i> <i>Lea.</i>	11	<b>perplexus</b> <i>Lea.</i> <i>U. gibbosa?</i> <i>Raf.</i>
7	<b>donaciformis</b> <i>Lea.</i> <i>U. zij-zag</i> <i>Lea.</i>	11	<b>personatus</b> <i>Say</i> (female). <i>U. capillaris</i> <i>Lea</i> (fem.) <i>pileus</i> <i>Lea</i> (male).
7	<b>ebenus</b> <i>Lea.</i>	11	<b>phaseolus</b> <i>Hildr.</i> <i>U. planulatus</i> <i>Lea.</i> <i>camelus</i> <i>Lea.</i>
7	<b>elegans</b> <i>Lea.</i>	13	<b>planus</b> <i>Barnes.</i> <i>U. leptodon</i> <i>Raf.</i> <i>velum</i> <i>Say</i> (female). <i>Anod purpurascens</i> <i>Swain.</i>
7	<b>ellipsis</b> <i>Lea.</i>		<i>U. tenuissimus</i> <i>Lea.</i>
7	<b>flavus</b> <i>Raf.</i> <i>U. rubiginosus</i> <i>Lea.</i> <i>trigonus?</i> <i>Lea.</i>	13	<b>plicatus</b> <i>Say.</i> <i>U. costata</i> <i>Raf.</i> <i>rariPLICATA</i> <i>Lam.</i> <i>undulatus</i> <i>Desh.</i>
7	<b>flexuosus</b> <i>Raf.</i> (male). <i>U. foliatus</i> <i>Hild.</i> (female).	13	<b>politus</b> <i>Say.</i> <i>U. subrotundus</i> <i>Lea.</i>
7	<b>fragosus</b> <i>Conr.</i>	13	<b>pustulosus</b> <i>Lea.</i> <i>U. verrucosus albus</i> <i>Hild.</i>
9	<b>gibbosus</b> <i>Barnes.</i> <i>U. nasutus</i> <i>Lam.</i> <i>dilatata</i> <i>Raf.</i> <i>arctior</i> <i>Lea</i> (white nacre).	13	<b>Rangianus</b> <i>Lea.</i>
9	<b>glans</b> <i>Lea.</i>	13	<b>rectus</b> <i>Lam.</i> <i>U. prælongus</i> <i>Barnes.</i> <i>latissima</i> <i>Raf.</i>
9	<b>gracilis</b> <i>Barnes.</i> <i>Symph. gracilis</i> <i>Lea.</i>	13	<b>retusus</b> <i>Lam.</i> <i>U. torsa</i> <i>Raf.</i>
9	<b>iris</b> <i>Lea.</i> <i>U. subrostratus?</i> <i>Say.</i>	15	<b>rugosus</b> <i>Barnes.</i> <i>U. quadrula?</i> <i>Raf.</i> <i>lachrymosus</i> <i>Lea.</i> <i>asperrimus</i> <i>Lea.</i>
9	<b>irroratus</b> <i>Lea.</i> <i>U. stegaria?</i> <i>Raf.</i>		

Page.		Page.	
15	<b>Unio Sayii</b> Ward.	17	<b>Unio verrucosus</b> Barnes.
15	<b>securis</b> Lea.		<i>U. tuberculata</i> Raf.
	<i>U. depressa?</i> Raf.		<i>graniferus</i> Lea.
15	<b>siliquoideus</b> Barnes.	17	<b>Alasmodonta ambigua</b> Say.
	<i>U. inflatus</i> Barnes (fem.)		<i>Unio Hildrethianus</i> Lea.
15	<b>sulcatus</b> Lea (male).	17	<b>calceola</b> Lea.
	<i>U. ridibundus</i> Say (fem.)		<i>A. deltoidea?</i> Lea.
15	<b>triangularis</b> Barnes.		<i>Unio calceola</i> Lea.
	<i>U. cuneatus</i> Swains.	19	<b>confragosa</b> Say.
	<i>formosus</i> Lea (male).	19	<b>complanata</b> Barnes.
	<i>triqueter?</i> Raf.	19	<b>rugosa</b> Barnes.
15	<b>tuberculatus</b> Barnes.		<i>A. costata</i> Raf.
	<i>U. tuberculosus</i> Val.	19	<b>truncata</b> Say.
	<i>verrucosa</i> Raf.	19	<b>Anodonta areolata</b> Swains.
17	<b>undatus</b> Barnes.		<i>Alas. edentula</i> Say.
	<i>U. cardiacea</i> Say.	19	<b>Ferussaciana</b> Lea.
	<i>mytiloides</i> Raf.	19	<b>imbecilis</b> Say.
	<i>obliqua</i> Lam.		<i>A. incerta</i> Lea.
	<i>pyramidatus</i> Lea.	19	<b>pavonia</b> Lea.
17	<b>undulatus</b> Barnes.		<i>A. Wardiana</i> Lea.
	<i>U. heros</i> Say.	19	<b>plana</b> Lea.
	<i>multiplicatus</i> Lea.		<i>A. decora</i> Lea (young).
17	<b>ventricosus</b> Barnes.		<i>grandis?</i> Say.
	<i>U. cardium?</i> Raf.		<i>gigantea</i> Lea.
	<i>occidens</i> Lea (female).		
	<i>subovatus</i> Lea (male).		

**Gould.**—Catalogue of Shells with descriptions of New Species:  
by Dr. A. A. GOULD. (From Agassiz's Lake Superior, Boston,  
1850.)

[Localities are given, and descriptions of those specified as new.—  
W. G. B.]

Page.		Page.	
243	<b>Helix albolabris</b> Say.	243	<b>Helix electrina</b> Gould.
243	<b>tridentata</b> Say.	243	<b>chersina</b> Say.
243	<b>thyroidus</b> Say.	243	<b>Vitrina limpida</b> Gould (n. s.)
243	<b>alternata</b> Say.		<i>V. pellucida</i> Say.
243	<b>palliata</b> Say.	243	<b>Succinea ovalis</b> Gould.
243	<b>monodon</b> Rack.	243	<b>obliqua</b> Say.
243	<b>perspectiva</b> Say.	243	<b>avara</b> Say.
243	<b>striatella</b> Anthony.	243	<b>Physa heterostropha</b> Say.
243	<b>concava</b> Say.	244	<b>vinosa</b> Gould (n. sp., pl.
243	<b>arborea</b> Say.		vii, fig. 10, 11).

Page.		Page.	
244	<b>Physa ancillaria</b> Say.	245	<b>Amnicola grana</b> Say.
244	<b>Limnea jugularis</b> Say.	245	<b>Paludina ponderosa</b> Say.
244	<i>caperata</i> Say.	245	<b>Melania livescens</b> Menke.
244	<i>humilis</i> Say.		<i>M. Niagarensis</i> Lea.
244	<i>catascopium</i> S. (notes).	245	<i>subulata</i> .
244	<i>desidiosa</i> Say.	245	<b>Cyclas similis</b> Say.
244	<i>lanceata</i> Gould (n. sp.,	245	<i>partumeia</i> Say?
	pl. vii, fig. 8, 9).	245	<b>Pisidium dubium</b> S. (notes).
245	<b>Planorbis bicarinatus</b> Say.	245	<b>Unio radiatus</b> Gmel.
245	<i>parvus</i> Say.	245	<b>Anodonta Pepiniana</b> Lea.
245	<b>Valvata tricarinata</b> Say.		

**Agassiz.**—On the Embryology of Ascidia and the Characteristics of New Species from the Shores of Massachusetts: by Prof. LOUIS AGASSIZ. (Proc. American Assoc. for Advancement of Science, vol. ii, p. 157, 1850.)

Page.		Page.	
159	<b>Ascidia amphora</b> Ag.	159	<b>Ascidia hirsuta</b> Ag.
159	<i>psammophora</i> Ag.	159	<i>rugosa</i> Ag.
159	<i>ocellata</i> Ag.	159	<b>Boltenia microcosmus</b> Ag.
159	<i>carnea</i> Ag.		

**Newberry.**—Geographical Distribution of certain Species of Fluvial and Terrestrial Shells: by J. S. NEWBERRY, M. D. (Proc. American Assoc. for Advancement of Science, vol. v, p. 105, 1851.)

Page.	Name.	Locality.
105	<b>Limnea gracilis.</b>	Congress Lake, Ohio.
105	<i>jugularis.</i>	Congress Lake, Ohio.
105	<b>Melania gracilis.</b>	Congress Lake, Ohio.
105	<b>Ancylus fuscus.</b>	Congress Lake, Ohio.
105	<b>Helix diodonta.</b>	Congress Lake, Ohio.
105	<i>multilineata.</i>	Congress Lake, Ohio.

**Hartman.**—A Classified Catalogue, with Synonyms, of the Terrestrial and Fluviatile Testaceous Mollusks of Chester Co., Pa.: by WM. D. HARTMAN, M. D., one of the Curators of the Chester County Cabinet of Natural Sciences. [No date; no descriptions.]

**Unio complanatus** Solander.

*Mya complanata* Solander.

*Margarita complanata* Lea.

*U. purpureus* Say.

**heterodon** Lea.

**Alasmodon arcuata** Barnes.

*Alasmodonta arcuata* Barnes.

**marginata** Say.

*Monodonta marginata* Say.

*Margaritana marginata* Lea.

**edentula** Say.

*Anodonta undulata* Say.

*areolata?* Swainson.

*rugosa* Swainson.

*Wardiana* Lea.

*Pavonia* Lea.

*Buchanensis* Lea.

**Anodon grandis** Say (female?).

*A. plana* Lea (male?).

*gigantea* Lea.

*decora* Lea (young).

**fluviatilis** Dillwyn.

*Mytilus fluviatilis* Dillwyn.

*Anodonta cataracta* Say.

**Cyclas similis** Say.

**partumeia** Say.

**securis** Prime.

**Pisidium dubium** Say.

*Cyclas dubia* Say.

**abditum** Hald.

**variable** Prime.

**compressum** Prime.

**Melania Virginica** Say.

*M. multilineata* (var.?) Say.

**Amnicola decisa** Hald.

**granum** Say.

*Paludina grana* Say.

**Paludina decisa** Say.

**subcarinata** Say.

**Valvata sincera** Say.

**Ancylus rivularis** Say.

**Limnea columella** Say.

*L. macrostomus* Say.

*chalybea* Gould.

*acuminata* Adams.

**desidiosa** Say.

*Limneus desidiosus* Say.

*Limnea obrussa* Say.

*acuta* Lea.

*Philadelphica* Lea.

**humilis** Say.

*L. modicellus* Say.

*parva* Lea.

**caperata** Say.

*L. umbilicata* Adams.

**fragilis** Linn.

*Helix fragilis* Linn.

*L. elodes* Say.

**catascopium** Say.

*L. pinguis* Say.

*decollata* (var.) Mighels.

**Physa heterostropha** Say.

*Lymnea heterostropha* Say.

*P. aurea* Lea.

**gyrina** Say.

*P. elliptica* Lea.

**ancillaria** Say.

*P. Sayi* Tappan.

**Planorbis campanulatus** Say.

**bicarinatus** Say.

*Helix angulatus* Rackett.

*Heliosoma bicarinata* Swains.

**trivolvus** Say.

*P. fallax* (var.) Say.

*regularis* Lea.

**armigerus** Say.

**concavus** Anthony.

**Vertigo Gouldii** Binney.

*Pupa Gouldii* Binney.

- |  |  |
|--|--|
| <p><b>Vertigo ovata</b> Say.<br/> <i>Pupa modesta</i> Say.<br/> <b>Pupa contracta</b> Say.<br/> <i>armifera</i> Say.<br/> <b>fallax</b> Say.<br/> <i>Cyclostoma marginata</i> Say.<br/> <i>P. placida</i> Say.<br/> <i>abilabris</i> Ward.<br/> <b>Bulimus lubricus</b> Brug.<br/> <b>Helix albolabris</b> Say.<br/> <i>thyroidus</i> Say.<br/> <i>tridentata</i> Say.<br/> <i>H. fallax</i> (var.?) Say.<br/> <i>hirsuta</i> Say.<br/> <i>pulchella</i> Müller.<br/> <i>H. minuta</i> Say.<br/> <i>paludosa</i> Montagu.<br/> <i>labyrinthica</i> Say.<br/> <i>alternata</i> Say.</p> | <p><i>H. scabra</i> Lam.<br/> <i>radiata</i> Gmelin.<br/> <b>Helix concava</b> Say.<br/> <i>H. planorboides</i> Ferussac.<br/> <i>cellaria</i> Müller.<br/> <i>H. glaphyra</i> Say (naturalized).<br/> <b>suppressa</b> Say.<br/> <i>indentata</i> Say.<br/> <i>electrina</i> Gould.<br/> <i>arborea</i> Say.<br/> <i>chersina</i> Say.<br/> <i>lineata</i> Say.<br/> <b>Succinea obliqua</b> Say.<br/> <i>S. ovalis</i> Say.<br/> <i>campestris</i> Gould.<br/> <b>avara</b> Say.<br/> <i>S. vermeta?</i> Say, Adams.<br/> <b>Limax agrestis</b> Müller.<br/> <i>L. tunicata</i> Gould.</p> |
|--|--|

**Stimpson.**—Shells of New England; a revision of the Synonymy of the Testaceous Mollusks of New England, with Notes on their Structure and their Geographical and Bathymetrical Distribution, with figures of new species: by WILLIAM STIMPSON. Boston, 1851.

ACEPHALA.

BRACHIOPODA.

Terebratulidæ.

<p>Page.          7 <b>Terebratula septentrionalis</b>  <i>Couth.</i>  <i>T. caput-serpentis</i> Gould.</p>	<p>Page.          7 <b>Hypothyris psittacea</b> King.  <i>Terebratula psittacea</i>          Lam.</p>
---	---

LAMELLIBRANCHIATA.

Anomiadæ.

<p>7 <b>Anomia ephippium</b> Linn.          var. <i>aculeata</i>.</p>	<p>var. <i>squamula</i>.          var. <i>electrica</i>.</p>
---	--

Ostreadæ.

<p>8 <b>Ostrea borealis</b> Lam.</p>
--------------------------------------

**Pectenidæ.**

Page.	Page.
8	8
<b>Pecten Magellanicus</b> Lam.	<b>Pecten irradians</b> Lam.
8	<i>P. concentricus</i> Say.
<b>Islandicus</b> Müller.	8
	<b>fuscus</b> Linsley.

**Arcadæ.**

8	8
<b>Arca transversa</b> Say.	<b>Arca pexata</b> Say.

**Nuculidæ.**

8	10
<b>Nucula proxima</b> Say.	<b>Leda Cascoensis</b> St.
8	<i>Nucula Cascoensis</i> Migh.
<b>tenuis</b> Turton.	et Adams.
<i>Arca tenuis</i> Mont.	
9	10
<b>delphinodonta</b> Mighels et Adams.	<b>myalis</b> St.
9	<i>Nucula myalis</i> Couth.
<b>Leda thraciæformis</b> Stimp.	<i>Yoldia angularis</i> Möll.
<i>Nucula thraciæformis</i> Stor.	10
<i>navicularis</i> Couth.	<b>limatula</b> St.
10	<i>Nucula limatula</i> Say.
<b>obesa</b> St. (pl. ii, fig. 1).	10
10	<b>tenuisulcata</b> St.
<b>sapotilla</b> St.	<i>Nucula tenuisulcata</i> Cout.
<i>Nucula sapotilla</i> Gould.	<i>minuta</i> Gould.

**Mytilidæ.**

11	12
<b>Mytilus decussatus</b> Mont.	<b>Mytilus levigatus</b> St.
<i>Modiola glandula</i> Totten.	<i>M. discors</i> O. Fabr.
<i>Crenella decussata</i> DeKay.	<i>Modiola lævigata</i> Gray.
11	<i>discrepans</i> Gld.
<b>pectinulus</b> St.	12
<i>Modiola pectinula</i> Gould.	<b>discrepans</b> Montagu.
<i>Mytilus faba</i> O. Fabr.?	<i>Modiola nigra</i> Gray.
12	<i>nexa</i> Gld. (y'ng.)
<b>corrugatus</b> St.	<i>Crenella nigra</i> F. et H.
<i>Modiola discors</i> Gould.	12
12	<b>plicatulus</b> Desh.
<b>discors</b> Linn.	<i>Modiola plicatula</i> Lam.
<i>Modiola discrepans</i> Lam.	12
<i>Crenella discors</i> F. et H.	<b>modiolus</b> L.
	12
	<b>edulis</b> L.

**Unionidæ.**

13	13
<b>Unio complanatus</b> Lea.	<b>Lampsilis radiata</b> Ag. MS.
<i>Mya complanata</i> Soland.	<i>Mya radiata</i> Gmel.
13	<i>Unio radiata</i> Lam.
<b>Eurynea prælonga</b> Ag. MS.	14
<i>Unio prælongus</i> Barnes.	<b>cariosa</b> Ag. MS.
13	<i>Unio cariosus</i> Say.
<b>nasuta</b> Ag. MS.	14
<i>Mya nasuta</i> Wood.	<b>ochracea</b> Ag. MS.
<i>Unio nasutus</i> Say.	<i>Unio ochraceus</i> Say.

Page.		Page.	
14	<b>Lampsilis ventricosa</b> Ag. MS. <i>Unio ventricosus</i> Barnes.	15	<b>Alasmodonta marginata</b> S.
14	<b>siliquoidea</b> Ag. MS. <i>Unio siliquoideus</i> Barnes.	15	<b>Strophitus undulatus</b> Raf. <i>Anodonta undulata</i> Say.
14	<b>Metaptera alata</b> Ag. MS. <i>Unio alatus</i> Say.	15	<b>sculptilis</b> Ag. MS. <i>Unio undulata</i> Say. <i>Alasm. undulata</i> Barnes. <i>Alasm. sculptilis</i> Say.
14	<b>gracilis</b> Ag. MS. <i>Unio gracilis</i> Barnes.	15	<b>Anodonta Benedictensis</b>
14	<b>Complanaria rugosa</b> Ag. MS. <i>Alasmodonta rugosa</i> Barn.	15	<b>implicata</b> Say. [Lea.]
14	<b>alasmodontina</b> Ag. MS. <i>Unio alasmodontinus</i> Barn. <i>compressus</i> Lea.	15	<b>fluviatilis</b> Lea. <i>Mytilus fluviatilis</i> Dill.
15	<b>Margaritana arcuata</b> Phil. <i>Alasm. arcuata</i> Barnes.	15	<b>marginata</b> Say.
		15	<b>Housatonica</b> Linsley.
		15	<b>subcylindracea</b> Lea.

**Cycladidæ.**

16	<b>Cyclas similis</b> Say.	16	<b>Pisidium dubium</b> Gould. <i>Cyclas dubia</i> Say.
16	<b>rhomboidea</b> Say.	16	<b>minus</b> St. <i>Cyclas minor</i> Ad. et Migh.
16	<b>elegans</b> Adams.	16	<b>Adamsii</b> Prime MS. <i>Cyclas nitida</i> Ad. et Migh.
16	<b>partumeia</b> Say.	16	<b>ventricosum</b> Prime.
16	<b>pellucida</b> Prime. <i>C. calyculata</i> Adams.		
16	<b>truncata</b> Linsley.		
16	<b>orbicularia</b> Barratt.		

**Kelliadæ.**

16	<b>Montacuta elevata</b> St. <i>M. bidentata</i> Gould.	17	<b>Kellia planulata</b> St. <i>K. rubra</i> Gould.
16	<b>Turtonia minuta</b> Alder. <i>Venus minuta</i> O. Fabr.		

**Lucinidæ.**

17	<b>Thyasira Gouldii</b> St. <i>Lucina Gouldii</i> Phil. <i>Lucina flexuosa</i> Gould.	17	<b>Lucina strigilla</b> St. <i>L. divaricata</i> Auct.
		17	<b>filosa</b> St. <i>L. radula</i> Gould.

**Astartidæ.**

17	<b>Cardita borealis</b> Conr.		<i>A. undata</i> Mighels.
18	<b>Astarte mactracea</b> Linsley. <i>A. lunulata</i> Conr. ?	18	<b>Astarte Portlandica</b> Mighels.
18	<b>sulcata</b> Flem. <i>Pectunculus sulcatus</i> Da C.	18	<b>quadrans</b> Gould.
		18	<b>castanea</b> Say.

**Cyprinidæ.**

Page.

Page.

18 **Cyprina Islandica** Lam.**Cardiadæ.**19 **Cardium Islandicum** Linn.*Cardium Grænlandicum* Chem.19 **pinnulatum** Conr.*edentulum* Sow.19 **Mortoni** Conr.*Acardo edentulus* Swains.19 **Aphrodite Grænlandica** St.*Aphrodite columba* Lea.**Veneridæ.**19 **Venus mercenaria** Linn.19 **Cytherea convexa** Say.19 **fluctuosa** Gould.19 var. *minor*.19 **gemma** Totten.*C. morrhuana* Linsley?**Macridæ.**20 **Macra lateralis** Say.20 **Macra solidissima** Chemn.20 **ponderosa** Phil.20 **similis** Say.*M. ovalis* Gould.**Donacidæ.**20 **Mesodesma arctatum** Gould.20 **Mesodesma deauratum** Hanl.*Macra arctata* Conr.*Macra deaurata* Turton.*Mesodesma Jauresii* Joan.**Tellinidæ.**20 **Cumingia tellinoides** Conr.*T. sordida* Couth.20 **Tellina fusca** Phil.*calcareo* Lyell.*Sanguinolaria fusca* Say.21 **Tellina tenera** Say.*T. Grønlandica* Beck?21 **tenta** Say.21 **proxima** Brown.21 **versicolor** Cozzens.*Sanguin. sordida* Gould.21 **elucens** Mighels.**Solemyadæ.**21 **Solemya velum** Say.21 **Solemya borealis** Totten.**Solenidæ.**22 **Solecurtus gibbus** F. et H.22 **Machæra squama** Gould MS.*Solen gibbus* Spengler.*Solecurtus squama* Blainv.*Caribæus* Lam.*M. nitida* Gould.*Solecurtus Caribæus* Conr.22 **costata** Gould.22 **bidens** F. et H.*Solen costatus* Say.*Solen bidens* Chemn.*Nahantensis* Desm*fragilis* Pult.*Sayi* Griffith.*centralis* Say.22 **Solen ensis** Linn.*Solecurtus fragilis* Gould.



**Anatinidæ.**

Page.		Page.	
22	<i>Anatina papyracea</i> Say.	22	<i>Thracia truncata</i> Mighels.
22	<i>Cochloidesma Leanum</i> Couth.	23	<i>Couthouyi</i> St.
	<i>Anatina Leana</i> Couth.	23	<i>Conradi</i> Couth.

**Pandoridæ.**

23	<i>Lyonsia hyalina</i> Conr.	23	<i>Pandora trilineata</i> Say.
	<i>Osteodesma hyalina</i> Conr.		

**Corbulidæ.**

24	<i>Corbula contracta</i> Say.
----	-------------------------------

**Myadæ.**

24	<i>Glycymeris siliqua</i> Lam.		<i>P. arctica</i> Desh.
	<i>Mya siliqua</i> Chemn.	24	<i>Mya truncata</i> Linn.
24	<i>Panopæa Norvegica</i> Lovèn.	24	<i>arenaria</i> Linn.
	<i>Mya Norvegica</i> Spengl.		

**Gastrochaenidæ.**

24	<i>Petricola pholadiformis</i> Lam.		<i>S. distorta</i> Say.
	<i>P. fornicata</i> Say.	25	<i>Saxicava rugosa</i> Lam.
24	<i>dactylus</i> Say.		<i>Mytilus rugosus</i> O. Fabr.
25	<i>Saxicava arctica</i> Desh.		<i>S. distorta</i> Say.
-	<i>Mya arctica</i> L.		

**Pholadidæ.**

25	<i>Pholas costata</i> Linn.	25	<i>Pholas crispata</i> Linn.
25	<i>truncata</i> Say.	26	<i>Teredo dilatata</i> St.

GASTEROPODA.

**PTEROPODA.**

**Hyaleadæ.**

27	<i>Hyalea trispinosa</i> Lesueur.
----	-----------------------------------

**Limacinadæ.**

27	<i>Spirialis Gouldii</i> St. (pl. i, fig. 4).
----	---

**Clionidæ.**

27	<i>Clione borealis</i> Gray		<i>Clione borealis</i> Linn.
----	-----------------------------	--	------------------------------

**PROSOBRANCHIATA.**

**Dentaliadæ.**

28	<i>Dentalium striolatum</i> St.		28	<i>Dentalium occidentale</i> St.
	<i>D. entalis</i> Migh.			<i>D. dentale</i> Gould.

**Chitonidæ.**

Page.		Page.	
28	<b>Chiton apiculatus</b> Say. <i>C. pectinatus</i> Gould MS.	29	<b>Chiton marmoreus</b> O. Fabr. <i>C. levigatus</i> Flem.
23	<b>cinereus</b> Linn. <i>C. marginatus</i> Penn.		<i>C. fulminatus</i> Couth.
28	<b>albus</b> Linn.	29	<b>mendicarius</b> Migh. et Ad.
29	<b>ruber</b> Linn.	29	<b>Amicula vestita</b> Gray. <i>Chiton vestitus</i> Br. et Sow. <i>Emersonii</i> Couth.

**Patellidæ.**

29	<b>Pilidium candidum</b> St. <i>Patella candida</i> Couth.		<i>Lottia testudinalis</i> Forbes. <i>Acmaea testudinalis</i> Hanley.
29	<b>Tectura testudinalis</b> Gray. <i>Patella testudinalis</i> Müll. <i>amena</i> Say.	30	<b>Tectura alveus</b> St. <i>Patella alveus</i> Conr. <i>Lottia alveus</i> Gould.

**Calypttræidæ.**

30	<b>Calypttræa striata</b> Say.	30	<b>Crepidula unguiformis</b> Lam. <i>C. plana</i> Say.
30	<b>Crepidula fornicata</b> Lam. <i>Patella fornicata</i> Linn. <i>C. glauca</i> Say.	30	<b>convexa</b> Say.

**Fissurellidæ.**

30	<b>Diadora Noachina</b> Gray. <i>Patella Noachina</i> Linn. <i>Cemoria Noachina</i> Gould.		<i>Cemoria princeps</i> Migh. et Ad. <i>Puncturella Noachina</i> Lowe.
----	--	--	---

**Trochidæ.**

31	<b>Trochus occidentalis</b> Migh. et Adams. <i>Margarita alabastrum</i> Beck MS. <i>T. alabastrum</i> F. et H.		<i>M. arctica</i> Gould. <i>Trochus hellicinus</i> F. et H.
31	<b>Margarita cinerea</b> Gould. <i>Turbo cinereus</i> Couth.	32	<b>Margarita coarctata</b> St. <i>Delphinula coarctata</i> Mighels.
31	<b>obscura</b> Gould. <i>Turbo obscurus</i> Couth.	32	? <b>multilineata</b> De Kay.
31	<b>undulata</b> Sowb.	32	? <b>ornata</b> De Kay.
31	<b>argentata</b> Gould.	32	<b>Adeorbis costulata</b> St. <i>Margarita? costulata</i> Möll. — ? <i>costulata</i> F. et H. <i>Marg. minutissima</i> Migh.?
32	<b>helicina</b> Möll. <i>Turbo hellicinus</i> O. Fabr.	32	<b>Phasianella sulcosa</b> Migh.

**Ianthinidæ.**

32	<b>Ianthina fragilis</b> Brug.
----	--------------------------------

**Paludinidæ.**

Page.		Page.	
32	<b>Melania depygis</b> Say.	33	<b>Valvata tricarinata</b> Say.
33	<b>Paludina decisa</b> Say.	33	<b>sincera</b> Say.
33	<b>Amnicola porata</b> Gould.	33	<b>pupoidea</b> Gould.
33	<b>pallida</b> Hald.		

**Littorinidæ.**

33	<b>Littorina rudis</b> Gould. <i>Nerita littorea</i> O. Fabr. <i>Turbo rudis</i> Don. <i>tenebrosus</i> Mont. <i>obligatus</i> Say. <i>vestitus</i> Say. <i>L. Grönlandica</i> Möll. <i>tenebrosa</i> Forbes.	33	<b>Rissoa modesta</b> St. <i>Cingula modesta</i> H. C. Lea. <i>lævis</i> De Kay?
33	<b>littoralis</b> F. et H. <i>Nerita littoralis</i> L. <i>Turbo palliatus</i> Say. <i>L. palliata</i> Gould. <i>neritoides</i> De Kay.	34	<b>latior</b> St. <i>Cing. latior</i> Migh. et Ad.
33	<b>irrorata</b> Gray. <i>Turbo irroratus</i> Say. <i>Phasianella sulcata</i> Lam.	34	<b>eburnea</b> St. (pl. i, fig. 1).
33	<b>Lacuna vincta</b> Turton. <i>Turbo divaricatus</i> O. Fabr. <i>vinctus</i> Mont.	34	<b>aculeus</b> St. <i>Cingula aculeus</i> Gould. <i>Paludinella aculeus</i> Middendorff?
33	<b>neritoidea</b> Gould.	34	<b>multilineata</b> St. (pl. i, f. 2).
33	<b>Rissoa minuta</b> St. <i>Turbo minutus</i> Tott. <i>Cingula minuta</i> Gould.	34	<b>Mighelsii</b> St. <i>Cingula arenaria</i> M. et Ad.
		34	<b>exarata</b> St. (pl. i, fig. 3).
		34	<b>pelagica</b> St. <i>Cingula semicostata</i> Migh. et Ad.
		35	<b>Skenea planorbis</b> F. et H. <i>Turbo planorbis</i> O. Fabr. <i>S. serpuloides</i> Gould.

**Turritellidæ.**

35	<b>Turritella costulata</b> M. et Ad.	35	<b>Turritella acicula</b> St. (pl. i, fig. 5).
35	<b>areolata</b> St.		
35	<b>erosa</b> Couth.	36	<b>Cœcum pulchellum</b> St. (pl. ii, fig. 3).

**Cerithiadæ.**

37	<b>Aporrhais occidentalis</b> Beck. <i>Rostellaria occidentalis</i> Gould.	37	<b>Cerithium Sayi</b> Menke.
		37	<b>Greenii</b> Adams.
		37	<b>nigrocinctum</b> Adams.

**Vermetidæ.**

37	<b>Vermetus radicula</b> St. <i>V. lumbricalis</i> Gould.	<i>V. bicarinatus</i> Desh.?
		<i>Knorrii</i> Desh.?

**Scalariadæ.**

Page.		Page.	
39	<b>Scalaria Novangliæ</b> <i>Couth.</i>	39	<b>Scalaria multistriata</b> <i>Say.</i>
39	<b>Grönlandica</b> <i>Gould.</i>	39	<b>Eulima oleacea</b> <i>Kurtz et St.</i>
39	<b>lineata</b> <i>Say.</i>		(pl. i, fig. 6).

**Pyramidellidæ.**

40	<b>Menestho albula</b> <i>Möll.</i> <i>Turbo albulus</i> O. Fabr. <i>Pyramis striatula</i> <i>Couth.</i>	42	<b>Chemnitzia bisuturalis</b> <i>St.</i> <i>Turritella bisuturalis</i> <i>Say.</i> <i>Jaminia exigua</i> <i>Couth.</i> <i>Odostomia exigua</i> <i>Gould.</i>
40	<b>Chemnitzia nivea</b> <i>St.</i>	42	<b>trifida</b> <i>St.</i> <i>Actæon trifidus</i> <i>Tott.</i> <i>Odostomia trifida</i> <i>Gould.</i>
41	<b>interrupta</b> <i>St.</i> <i>Turritella interrupta</i> <i>Tott.</i>	42	<b>impressa</b> <i>Kurtz MS.</i> <i>Turritella impressa</i> <i>Say.</i> <i>Odostomia insculpta</i> <i>De K.</i>
41	<b>producta</b> <i>St.</i> <i>Jaminia producta</i> <i>Adams.</i> <i>Odostomia producta</i> <i>Gould.</i>	42	<b>seminuda</b> <i>St.</i> <i>Jaminia seminuda</i> <i>Adams.</i> <i>Odostomia seminuda</i> <i>Gld.</i>
41	<b>fusca</b> <i>St.</i> <i>Pyramis fusca</i> <i>Adams.</i> <i>Odostomia fusca</i> <i>Gould.</i>		
41	<b>dealbata</b> <i>St.</i>		
41	<b>modesta</b> <i>St.</i>		

**Naticidæ.**

42	<b>Natica flava</b> <i>Gould.</i>	42	<b>Natica Gouldii</b> <i>Phil.</i>
42	<b>helicoides</b> <i>Johnston.</i> <i>N. canaliculata</i> <i>Gould.</i> <i>cornea</i> <i>Phil.</i> <i>Gouldii</i> <i>Adams.</i>	43	<b>Grönlandica</b> <i>Beck.</i> <i>N. pusilla</i> <i>Gould.</i>
42	<b>heros</b> <i>Say.</i>	43	<b>immaculata</b> <i>Totten.</i>
42	<b>triseriata</b> <i>Say.</i>	43	<b>duplicata</b> <i>Say.</i>
		43	<b>pusila</b> <i>Say.</i>
		43	<b>clausa</b> <i>Brod. et Sow.</i>

**Velutinidæ.**

44	<b>Velutina haliotoides</b> <i>Möll.</i> <i>Helix haliotoides</i> O. Fabr. <i>V. lævigata</i> <i>Flem.</i>	44	<b>Lamellaria perspicua</b> <i>Lovèn.</i> <i>Helix perspicua</i> <i>Linn.</i> <i>Sigaretus haliotoideus</i> <i>Flem.</i>
44	<b>zonata</b> <i>Gould.</i>		

**Cancellariadæ.**

44	<b>Admete viridula</b> <i>St.</i> <i>Tritonium viridulum</i> O. Fabr. <i>Murex costellifer</i> <i>Sow.</i> <i>Cancellaria buccinoides</i> <i>Cou.</i> <i>Couthouyi</i> <i>Jay.</i> <i>Admete crispa</i> <i>Möll.</i> <i>Cancellaria viridula</i> <i>Lovèn.</i>	45	<b>Trichotropis borealis</b> <i>Brod. et Sow.</i>
		45	<b>Cerithiopsis terebellum</b> <i>St.</i> <i>Cerithium terebrale</i> <i>Ad.</i> <i>terebellum</i> <i>Ad.</i>
		45	<b>Emersonii</b> <i>St.</i> <i>Cerithium Emersonii</i> <i>Ad.</i>

## Muricidæ.

Page.		Page.	
45	<b>Ranella caudata</b> Say.	47	<b>Tritonium clathratum</b> Müll.
45	<b>Purpura lapillus</b> Lam.		<i>Murex clathratus</i> Linn.
	<i>Buccinum lapillus</i> Linn.		<i>Bamffius</i> Don.
45	<b>Nassa trivittata</b> Say.		<i>Fusus Bamffius</i> Flem.
	<i>Buccinum trivittatum</i> Ad.		<i>Trophon clathratum</i>
45	<b>vibex</b> Say.		F. et H.
	<i>Buccinum vibex</i> Ad.	47	<b>scalariforme</b> St.
45	<b>obsoleta</b> Say.		<i>Fusus scalariformis</i> Gould.
	<i>Buccinum obsoletum</i> Ad.		<i>T. clathratum</i> var. Lovèn.
45	<b>Buccinum undatum</b> Linn.	47	<b>Fasciolarialigata</b> Migh. et Ad.
46	<b>plicosum</b> Menke.	47	<b>Pyrula canaliculata</b> Brug.
	<i>Fusus cinereus</i> Say.		<i>Murex canaliculata</i> Linn.
46	<b>Tritonium ventricosum</b> St.	47	<b>carica</b> Brug.
	<i>Fusus ventricosus</i> Gray.		<i>Murex carica</i> Gmel.
46	<b>Islandicum</b> Lovèn.		<i>P. aurua</i> Reeve.
	<i>Murex Islandicus</i> Chemn.	47	<b>Columbella rosacea</b> St.
	<i>Fusus Islandicus</i> Gould.		<i>Buccinum rosaceum</i> Gld.
46	<b>pygmæum</b> St.	47	<b>dissimilis</b> St.
	<i>Fusus Islandicus</i> var. <i>pyg-</i>		<i>Buccinum zonale</i> Linsley?
	<i>mæus</i> Gould.	48	<b>lunata</b> Sow.
	<i>Fusus pygmæus</i> Migh.		<i>Nassa lunata</i> Say.
46	<b>decemcostatum</b>		<i>Buccinum lunata</i> Ad.
	Middendorff.	48	<b>Fusus Trumbulli</b> Linsley?
	<i>Fusus decemcostatus</i> Say.	48	<b>Buccinum Veatleyi</b> De Kay?
		48	<b>Columbella Gouldiana</b> Ag.
		48	<b>avara</b> Say. [MS.]

## Conidæ.

48	<b>Mangelia turricula</b> F. et H.	49	<b>Mangelia cancellata</b> St.
	<i>Murex turricula</i> Mont.		<i>Fusus cancellatus</i> M. et A.
	<i>Fusus turricula</i> Brown.	49	<b>decussata</b> St.
48	<b>harpularia</b> St.		<i>Pleurotoma decussata</i> Cou.
	<i>Fusus harpularius</i> Couth.	49	<b>violacea</b> St.
49	<b>pyramidalis</b> St.		<i>Pleurotoma violacea</i>
	<i>Buccinum pyramidale</i>		Migh. et Ad.
	Ström.	49	<b>bicarinata</b> St.
	<i>Tritonium pyramidale</i>		<i>Pleurotoma bicarinata</i> Cou.
	Lovèn.	49	<b>Pleurotoma cerinum</b> Kurtz et
	<i>Fusus rufus</i> Gould.		St. (pl. ii, fig. 2).
		49	<b>plicatum</b> Adams.

## TECTIBRANCHIATA.

## Bullidæ.

Page.		Page.	
50	<i>Bulla hiemalis</i> Couth.	50	<i>Bulla solitaria</i> Say.
50	<i>oryza</i> Totten.		<i>B. insculpta</i> Tott.
50	<i>triticea</i> Couth.	50	<i>puncto-striata</i> M. et Ad.
	<i>B. corticata</i> Möll.	51	<i>Philine lineolata</i> St.
50	<i>canaliculata</i> Say.		<i>Bulla lineolata</i> Couth.
	<i>B. obstricta</i> Gould.	51	<i>sinuata</i> St. (pl. i, fig. 7).
50	<i>pertenuis</i> Mighels.	51	<i>formosa</i> St.
50	<i>incincta</i> Mighels.		<i>P. quadrata</i> F. et H.?
50	<i>debilis</i> Gould.		<i>scutulium</i> Lovèn.?
50	<i>Gouldii</i> Couth.		

## Tornatellidæ.

51	<i>Actæon puncto-striata</i> St.		<i>Tornatella puncto-striata</i> Ad.
----	----------------------------------	--	--------------------------------------

## Melampidæ.

51	<i>Melampus corneus</i> St.		<i>Voluta denticulata</i> Mont.
	<i>M. bidentatus</i> Say.		<i>Auricula denticulata</i> Gld.
	<i>Auricula cornea</i> Desh.	52	<i>Carychium exiguum</i> Gould.
	<i>bidentata</i> Gould.		<i>Pupa exigua</i> Say.
52	<i>denticulatus</i> Auct.		<i>Bulimus exiguus</i> Binney.

## PNEUMOBANCHIATA.

## Limnæadæ.

52	<i>Ancylus parallelus</i> Hald.	52	<i>Limnæa elodes</i> Say.
	<i>A. rivularis</i> Gould.	52	<i>gracilis</i> Jay.
52	<i>fuscus</i> Adams.	53	<i>Physa heterostropha</i> Say.
52	<i>tardus</i> Say.	53	<i>fragilis</i> Migh. et Ad.
52	<i>Limnæa appressa</i> Say.	53	<i>ancillaria</i> Say.
52	<i>decollata</i> Migh. et Ad.	53	<i>gyrina</i> Say.
52	<i>catascopium</i> Say.	53	<i>elongata</i> Say.
	<i>L. pinguis</i> Say.	53	<i>Planorbis trivolvis</i> Say.
	<i>emarginata</i> Say.	53	<i>lentus</i> Say.
52	<i>ampla</i> Migh.	53	<i>bicarinatus</i> Say.
52	<i>measoma</i> Say.	53	<i>campanulatus</i> Say.
52	<i>columella</i> Say.	53	<i>armigerus</i> Say.
	<i>L. macrostoma</i> Say.	53	<i>hirsutus</i> Gould.
52	<i>caperata</i> Say.	53	<i>deflectus</i> Say.
	<i>L. umbilicata</i> Adams.	53	<i>exacutus</i> Say.
52	<i>humilis</i> Say.	53	<i>parvus</i> Say.
	<i>L. modicellus</i> Say.		<i>P. elevatus</i> Adams.
52	<i>pallida</i> Adams.	53	<i>dilatatus</i> Gould.
52	<i>desidiosa</i> Say.		<i>P. lens</i> Lea.

**Vertiginidæ.**

Page.		Page.	
53	<b>Vertigo milium</b> Gould. <i>Pupa milium</i> Gould.	53	<b>Vertigo ovata</b> Say. <i>Pupa ovata</i> Sager.
53	<b>Gouldii</b> Gould. <i>Pupa Gouldii</i> Binney.		<i>modesta</i> Say.
		53	<b>simplex</b> St. <i>Pupa simplex</i> Gould.

**Pupadæ.**

53	<b>Pupa pentodon</b> Binney. <i>Vertigo pentodon</i> Say. <i>P. curvidens</i> Gould.	54	<b>Pupa contracta</b> Say.
		54	<b>badia</b> Adams.
		54	<b>armifera</b> Say.

**Helicidæ.**

54	<b>Bulimus harpa</b> Pfeiff. <i>Helix harpa</i> Say. <i>Pupa costulata</i> Migh.	55	<b>Helix striatella</b> Anthony. <i>exigua</i> St. <i>H. annulata</i> Case?
54	<b>fallax</b> Gould. <i>Pupa fallax</i> Say.	55	<b>minuscula</b> Binney.
54	<b>lubricoides</b> St. <i>B. lubricus</i> Gould.	55	<b>fuliginosa</b> Griffith.
54	<b>Helix albolabris</b> Say.	55	<b>cellaria</b> Müll.
54	<b>nemoralis</b> Linn. <i>H. hortensis</i> Müll. <i>subglobosa</i> Binney.	55	<b>inornata</b> Say.
54	<b>thyroidus</b> Say.	55	<b>arborea</b> Say.
54	<b>dentifera</b> Binney.	55	<b>electrina</b> Gould.
54	<b>tridentata</b> Say.	55	<b>indentata</b> Say.
54	<b>palliata</b> Say.	55	<b>chersina</b> Say.
54	<b>monodon</b> Rackett.	55	<b>suppressa</b> Say.
54	<b>hirsuta</b> Say.	55	<b>multidentata</b> Binney.
54	<b>concava</b> Say.	55	<b>lineata</b> Say.
54	<b>minuta</b> Say. <i>H. pulchella</i> Gould.	55	<b>Succinea obliqua</b> Say. <i>S. campestris</i> Gould. <i>ovalis</i> Say.
54	<b>Sayii</b> Binney.	55	<b>avara</b> Say.
54	<b>labyrinthica</b> Say.	55	<b>ovalis</b> Gould.
55	<b>alternata</b> Say.	55	<b>Vitрина pellucida</b> Drap. <i>Helix pellucida</i> Müll. <i>Vitрина limpida</i> Gould.

**Limacidæ.**

56	<b>Limax campestris</b> Binney.	56	<b>Tebennophorus dorsalis</b> <i>Binney.</i>
56	<b>agrestis</b> Müll. <i>L. tunicata</i> Gould.		<i>Phylomyces dorsalis</i> Binn.
56	<b>variegatus</b> Drap.	56	<b>Caroliniensis</b> Binney. <i>Limax Caroliniensis</i> Bose. <i>togata</i> Gould.
56	<b>Arion hortensis</b> Fér.		

## CEPHALOPODA.

## DECAPODA.

## Spirulidæ.

Page.

Page.

57 *Spirula Peronii* Lam.

## Loliginidæ.

57 *Loligo illecebrosa* Lesueur. | 57 *Loligo pavo* Lesueur.

## ERRATA.

58 *Pecten fuscus* Linsley (preoc.) = *Pecten brunneus* St.58 *Leda obesa* St.

**Prime.**—Descriptions of two new Species of Fresh-water Shells:  
by TEMPLE PRIME. (From Annals of N. Y. Lyceum of Natural  
History, vol. v. February, 1852.)

Page.	Plate.	Name.	Locality.
218	vi	<i>Cyclas securis</i> Prime.	Massachusetts.
219	vi	<i>Pisidium compressum</i> Prime.	Massachusetts.

**Jay.**—A Catalogue of the Shells, arranged according to the Lamarckian System, &c., contained in the Collection of JOHN C. JAY, M. D. Fourth edition, with Supplement. New York, 1852. [No descriptions.]

## CLASS TROPIOPODA.

## ORDER BIMUSCULOSA.

## Family Tubicola.

Page.

Name.

Locality.

9 *Teredo navalis* Linn. Atlantic ocean.

## Family Pholadaria.

9	<i>Pholas Californica</i> Conrad.	Upper California.
	<i>P. Janellii</i> Desh.	
10	<i>costata</i> Linn.	South Carolina.
10	var.	N. Y., Gulf of Mexico.
10	<i>crispata</i> Linn. (var.)	Sandy Hook.
10	<i>penita</i> Conrad.	California.
	<i>P. concamerata</i> Desh.	
10	<i>truncata</i> Say.	New York.



Family **Solenacea.**

Page.	Name.	Locality.
11	<b>Solen ensis</b> Linn.	N. Y., Rhode Island.
11	<b>siliqua</b> Linn.	New York.
11	<b>vagina</b> Linn.	New York.
11	<b>viridis</b> Say.	Rhode Island.
12	<b>Solecurtus Californianus</b> Conrad. ( <i>Cultellus</i> Conrad.)	Upper California.
12	<b>Caribæus</b> Lam. <i>S. Guineensis?</i> Chem.	N. Y., Rhode Island.
12	<b>coarctatus</b> Gmelin (var.) <i>S. centralis</i> Say. <i>antiquatus</i> Lam.	Rhode Island.
12	<b>subteres</b> Conrad. <i>Cultellus subteres</i> Conrad.	Upper California.
12	<b>Machæra costata</b> Say.	New York.
12	<b>lucida</b> Conrad.	Upper California.
12	<b>maxima</b> Wood. <i>Solecurtus Nuttallii</i> Conrad.	Oregon.
12	<b>media</b> Gray. <i>M. nitida</i> Gould.	B'ks of Newfoundland.
12	<b>Panopæa Norvegica</b> Speng. <i>P. arctica</i> Gould.	B'ks of Newfoundland.
13	<b>Glycimeris siliqua</b> Lam. <i>Mya siliqua</i> . <i>picea</i> .	Newfoundland.
13	<b>Solemya borealis</b> Totten.	Rhode Island.
13	<b>velum</b> Say.	New York.

Family **Myaria.**

13	<b>Mya arenaria</b> Linn. (var.) <i>Mya acuta</i> Say.	N. England, N. Y., N. J.
13	<b>cancellata</b> Conrad.	Upper California.
14	<b>truncata</b> Lam. <i>M. ovalis</i> Turt. (young.)	Newfoundland.
14	<b>Corbula contracta</b> Say.	Rhode Island.
15	<b>Pandora trilineata</b> Say. <i>P. nasuta</i> Sowb.	New York, N. J.

Family **Osteodesmata.**

16	<b>Osteodesma hyalina</b> Conrad.	New York.
16	<b>Cochlodesma Leana</b> Conrad. <i>Anatina Leana</i> Conrad.	New York.
16	<b>Periploma angulifera</b> Phil.	Galveston.
16	<b>argentaria</b> Conrad.	California.

Page.	Name.	Locality.
17	<b>Anatina papyracea</b> Say.	United States.
17	<b>Thracia Conradi</b> Couth. <i>T. declivis</i> Conrad.	Coasts of N. England.
17	<b>myopsis</b> Beck.	Greenland.
17	<b>truncata</b> Mighels.	Casco Bay.

Family **Mactracea.**

18	<b>Lutraria canaliculata</b> Say.	South Carolina.
18	<b>lineata</b> Say. <i>L. papyracea?</i> Lam.	Georgia.
19	<b>Mactra lateralis</b> Say. <i>Mulinia lateralis</i> Gray.	New York.
19	<b>ovalis</b> Gould. <i>M. grandis</i> Desh.	Massachusetts.
19	var. <i>M. similis</i> Gray.	Rhode Island.
19	<b>similis</b> Say.	South Carolina.
19	<b>solidissima</b> Chemn. <i>M. gigantea</i> Lam.	New York.
19	<b>Gnathodon cuneatus</b> Gray. <i>Rangia Cyrenoides</i> Conrad.	Alabama.
20	<b>Mesodesma arctata</b> Conrad.	Rhode Island.
21	<b>Kellia rubra</b> Turton. <i>Cardium rubrum</i> Mont. <i>Amphidesma nucleolum</i> Lam.	Stonington, Ct.
21	<b>Amphidesma æquale</b> Say.	South Carolina.
22	<b>decisum</b> Conrad. <i>A. roseum?</i> Sowerby.	Upper California.
22	<b>Cumingia Californica</b> Conrad.	Santa Barbara.
22	<b>tellinoides</b> Conrad. <i>Mactra tellinoides</i> Conrad.	Maine.

Family **Lithophaga.**

22	<b>Saxicava Californica</b> Conrad.	California.
	<i>S. pholadis</i> Lam.	
22	<b>pholadis</b> Lam. (var.) <i>Bissomya pholadis</i> De Blain. <i>S. distorta</i> Say.	New York.
23	<b>Sphænia Californica</b> Conrad.	California.
23	<b>Petricola cylindracea</b> Desh.	California.
23	<b>dactylus</b> Sowerby.	New Jersey.
23	<b>pholadiformis</b> Lam. <i>P. fornicata</i> Say.	New York.
23	<b>Venerupis gigantea</b> Desh. <i>Saxidomus Nuttallii</i> Conrad.	California.
23	<b>Petittii</b> Desh.	California.

Family **Nymphacea.**

Page.	Name.	Locality.
23	<b>Sanguinolaria Nuttallii</b> <i>Conrad.</i>	California.
24	<b>Psammobia Pacifica</b> <i>Conrad.</i>	Columbia river.
25	<b>Tellina alta</b> <i>Conrad.</i>	California.
25	<i>alternata</i> <i>Say.</i>	Florida.
25	<b>Burneti</b> <i>Brod.</i>	Mazatlan.
	<i>Lucina cristata</i> <i>Recluz.</i>	
25	<b>calcareo</b> <i>Chemn.</i>	Greenland.
	<i>T. sordida</i> <i>Phil.</i>	
25	<b>Cayennensis</b> <i>Lam.</i>	Mexico.
	<i>T. constricta</i> <i>Phil.</i>	
	<i>Psammobia Cayennensis</i> <i>Lam.</i>	
	<i>T. intastriata</i> <i>Say.</i>	
25	<b>decora</b> <i>Say.</i>	East coast of Florida.
26	<b>dispar</b> <i>Conrad.</i>	California, Wahoo.
26	<b>Fabricii</b> <i>Hanley.</i>	Greenland.
	<i>T. fragilis</i> <i>Fab.</i>	
26	<b>fusca</b> <i>Say.</i>	New York.
	<i>Psammobia fusca</i> <i>Say.</i>	
	<i>Sanguinolaria fusca</i> <i>Conrad.</i>	
26	<b>inconspicua</b> <i>Br. &amp; Sowb.</i>	Arctic Ocean.
26	<b>iris</b> <i>Say.</i>	New York.
27	<b>lateralis</b> <i>Say.</i>	Florida.
27	<b>nasuta</b> <i>Conrad.</i>	Columbia river.
28	<b>polita</b> <i>Say.</i>	South Carolina.
28	<b>proxima</b> <i>Brown.</i>	Massachusetts.
	<i>T. sordida</i> <i>Couth.</i>	
28	<b>rugosa</b> <i>Born.</i>	New California.
28	<b>secta</b> <i>Conrad.</i>	Upper California.
	<i>T. ligamentina</i> <i>Desh.</i>	
29	<b>tenera</b> <i>Say.</i>	New Bedford.
30	<b>Lucina Californica</b> <i>Conrad.</i>	San Diego.
30	<b>contracta</b> <i>Say.</i>	Rhode Island.
30	<b>corrugata</b> <i>Desh.</i>	California.
30	<b>Floridana</b> <i>Conrad.</i>	Tampa bay.
30	<b>Nuttallii</b> <i>Conrad.</i>	Upper California.
31	<b>Donax californica</b> <i>Conrad.</i>	Sta. Barbara.
31	<b>fossor</b> <i>Say.</i>	New York.
31	<b>variabilis</b> <i>Say.</i>	Georgia.

Family **Conchacea.**

32	<b>Cyclas dubia</b> <i>Say.</i>	Ohio.
32	<i>elegans</i> <i>Adams.</i>	Vermont.
32	<i>minor</i> <i>Adams.</i>	Vermont.

Page.	Name.	Locality.
32	<i>Cyclas partumeia</i> Say.	Ohio.
32	<i>rhomboidea</i> Say.	Vermont.
32	<i>similis</i> Say.	Ohio.
	<i>C. sulcata</i> Lam.	
32	<i>staminea</i> Conrad.	Missouri.
33	<i>Cyrena Caroliniensis</i> Lam.	South Carolina.
	<i>Cyclas Caroliniensis</i> Bosc.	
33	<i>sordida</i> Hanley.	North America.
34	<i>Cyprina Islandica</i> Lam.	B'ks of Newfoundland.
	<i>Venus bucardium</i> Born.	Rhode Island.
	<i>mercenaria</i> Pennant.	
34	<i>Astarte Banksii</i> Gray.	Greenland.
34	<i>bilunulata</i> Conrad.	Tampa bay.
34	<i>castanea</i> Say.	N. Y., Provincetown.
	<i>A. picea</i> var.	
	<i>procera</i> Totten.	
34	<i>Danmoniensis</i> Sowerby.	Maine.
35	<i>difficilis</i> .	Greenland.
35	<i>lævis</i> .	Greenland.
35	<i>lactea</i> Brod.	Grand Bank.
35	<i>quadrans</i> Gould.	Maine.
35	<i>semisulcata</i> Gray.	Greenland.
35	<i>striata</i> Leach.	Greenland.
	<i>Nicania striata</i> Leach.	
35	<i>undata</i> Gould.	Maine.
	<i>A. latisulca</i> Hanley.	
35	<i>Cytherea convexa</i> Say.	New York.
36	<i>Crassatelloides</i> Conrad.	California.
	( <i>Trigonella</i> Conrad.)	
36	var.	San Diego, Sta. Barbara.
36	<i>Dione</i> Linn. (var.)	California.
36	<i>gigantea</i> Lam.	Florida.
37	<i>planulata</i> Sowerby.	Mazatlan.
37	<i>rosea</i> Br.	San Blas.
37	<i>squalida</i> Sowerby.	California.
	<i>C. elegans</i> Koch.	
	<i>biradiata</i> Sowerby.	
38	<i>Artemis gigantea</i> Sowerby.	California.
38	<i>Venus Californiensis</i> Brod.	California.
38	<i>cancellata</i> Lam. (var.)	South Carolina.
	<i>V. elevata</i> Say.	
	<i>Cingenda</i> Dillwyn.	
39	<i>fluctuosa</i> Gould.	B'ks of Newfoundland.
40	<i>gemma</i> Totten.	New York.
40	<i>gnidia</i> Br.	San Blas.

Page.	Name.	Locality.
40	<b>Venus grata</b> Say. <i>V. discors</i> Sowerby.	West coast of Mexico.
40	<b>mercenaria</b> Linn.	N. Y., N. J., Mass.
40	<b>Mortoni</b> Conrad.	Florida.
41	<b>notata</b> Say.	New York.
41	<b>Nuttallii</b> Conrad.	California.
42	<b>tricolor</b> Brod.	California.
42	<b>undatella</b> Sowerby.	California.

Family **Cardiacea.**

44	<b>Cardium elatum</b> Sowerby.	California.
44	var.	Gulf of California.
44	<b>Greenlandicum</b> Chemn. <i>C. edentulum</i> Sowerby. var. <i>Maetra radiata</i> Donovan. var. <i>Aphrodite columba</i> Lea.	Greenland. North Atlantic. B'ks of Newfoundland.
44	<b>Icelandicum</b> Chemn. (var.) <i>C. pubescens</i> Couth. <i>arcticum</i> Sowerby.	Massachusetts bay.
45	<b>magnum</b> Born. <i>C. maculatum</i> Gemlin. var. <i>C. ventricosum</i> Brug.	Gulf of Mexico. South Carolina.
45	<b>Mortoni</b> Conrad.	New York.
45	<b>Nuttallii</b> Conrad.	Upper California.
45	<b>pinnulatum</b> Conrad.	Rhode Island.
46	<b>quadragenarium</b> Conrad.	Upper California.
46	<b>substriatum</b> Conrad.	California.
47	<b>Cardita borealis</b> Conrad. <i>Venericardia borealis</i> Conrad.	Rhode Island.
47	<b>Floridana</b> Conrad.	Tampa Bay.

Family **Arcacea.**

49	<b>Arca Americana</b> Gray.	Mobile.
49	<b>formosa</b> Sowerby.	Mexico.
50	<b>incongrua</b> Say.	South Carolina.
50	<b>pezata</b> Say.	New York.
50	<b>ponderosa</b> Say. <i>A. hemicardium</i> Koch.	Coast of United States.
51	<b>transversa</b> Say.	New York.
51	<b>trapezia</b> Desh. <i>A. tobata</i> Reeve.	Mexico.
52	<b>Nucula antiqua</b> Mighels (fossil).	Maine.
52	<b>buccata</b> Stp. <i>N. rostrata?</i> Lam.	Greenland.

Page.	Name.	Locality.
53	<b>Nucula Cascoensis</b> <i>Mighels.</i>	Casco bay.
53	<b>delphinodonta</b> <i>Mighels.</i>	Casco bay.
53	<b>lenticula</b> <i>Möll.</i>	Greenland.
53	<b>limatula</b> <i>Say.</i>	Rhode Island.
53	<b>macilenta</b> <i>Stp.</i>	Greenland.
53	<b>minuta</b> <i>Gmelin.</i>	Massachusetts.
	<i>N. tenuisulcata</i> <i>Couth.</i>	
53	var.	Greenland.
53	<b>myalis</b> <i>Couth.</i>	Massachusetts bay.
53	<b>navicularis</b> <i>Couth.</i>	Maine.
53	<b>Portlandica</b> <i>Hitch.</i> (fossil).	Maine.
53	<b>proxima</b> <i>Say.</i>	Massachusetts bay.
53	<b>sapotilla</b> <i>Gould.</i>	Cape Cod.
53	<b>tenuis</b> <i>Turton, Gray.</i>	Maine, Greenland.
	<i>N. lucida</i> <i>Blanding.</i>	
53	<b>Thraciæformis</b> <i>Storer.</i>	Cape Cod.

#### Family Naiades.

54	<b>Unio acutissimus</b> <i>Lea.</i>	Alabama river.
54	<b>alatus</b> <i>Say.</i>	Fox river.
	<i>Symphynota alata</i> <i>Lea.</i>	Detroit riv., N. West'n
	var. <i>U. megaptera</i> <i>Raf.</i>	Territory, Ohio.
54	<b>altilis</b> <i>Conrad.</i>	Alabama river.
54	<b>angustatus</b> <i>Lea.</i>	Congaree river.
54	<b>apiculatus</b> <i>Say.</i>	New Orleans.
	var. <i>U. asper</i> <i>Lea.</i>	Alabama river.
55	<b>arctior</b> <i>Lea.</i>	Ohio river.
	<i>U. dilatatus?</i> <i>Raf.</i>	
55	<b>atrocostatus</b> <i>Lea.</i>	Alabama.
55	<b>biangulatus</b> <i>Lea.</i>	Tennessee.
55	<b>Blandingianus</b> <i>Lea.</i>	Florida.
55	<b>Boydianus</b> <i>Lea.</i>	New York.
55	<b>bullatus</b> <i>Raf.</i>	Ohio.
	<i>U. pustulosus</i> <i>Lea.</i>	
	var. <i>U. Dorfeuillanus</i> <i>Lea.</i>	
	<i>Schoolcraftensis</i> <i>Lea.</i>	
	<i>prasinus</i> <i>Conrad.</i>	
55	<b>cælatu</b> <i>Conrad.</i>	Tennessee.
55	<b>callosus</b> <i>Lea.</i>	Ohio canal.
55	<b>camptodon</b> <i>Say.</i>	New Orleans.
55	<b>capax</b> <i>Green.</i>	Louisiana.
	<i>U. globosus</i> <i>Lea.</i>	
55	<b>Capsæformis</b> <i>Lea.</i>	Cumberland river.

Page.	Name.	Locality.
56	<b>Unio carbonarius</b> Lea. <i>U. pliciferus</i> Lea. var. <i>U. plexus</i> Conrad. <i>semigranosa</i> Busch.	Medellin river. Mexico.
56	<b>cardium</b> Raf. <i>U. occidentes</i> Lea. var. <i>U. ventricosus</i> Barnes, Say. <i>subovatus</i> Lea.	Ohio river.
56	<b>cariosus</b> Say. <i>U. ovata</i> Valenc. var. <i>U. luteolus</i> Lam.	Passaic river. Hudson river & Conn.
56	<b>castaneus</b> Lea.	Alabama river.
56	<b>cerinus</b> Conrad.	Louisiana.
56	<b>cicatricosus</b> Say. <i>U. varicosus</i> Lea.	Ohio river.
56	<b>Claibornensis</b> Lea.	Alabama.
56	<b>clavus</b> Lam. <i>U. Modioliformis</i> Say. var. <i>U. scalenius</i> Raf. <i>cuneatus</i> Raf. <i>patulus</i> Lea.	Wabash river. Ohio river.
56	<b>coccineus</b> Lea. <i>U. rubra?</i> Raf. var. <i>U. catillus</i> Conrad. <i>Gouldianus?</i> Ward.	Mahoning river. Ohio river.
56	<b>collinus</b> Conrad.	N. river, Va.
56	<b>complanatus</b> Soland. <i>Mya complanata</i> Soland. var. <i>U. violaceus</i> Spengler. <i>purpureus</i> Say. <i>rarisulcata</i> Lam. <i>coarctata</i> Lam. <i>purpurascens</i> Lam. <i>rhombula</i> Lam. <i>carinifera</i> Lam. <i>Georgina</i> Lam. <i>glabrata</i> Lam. <i>sulcidens</i> Lam. <i>fluviatilis</i> Green. <i>Mya rigida</i> Wood.	Maryland. New Jersey. Yadkin river. Lake Champlain. Virginia. New York. Hudson river. Connecticut. Lake George. Massachusetts. Connecticut. Pennsylvania. Rhode Island.
57	<b>compressus</b> Lea. <i>Symphynota compressa</i> Lea.	New York.
57	<b>confertus</b> Lea.	Santee canal, S. C.
57	<b>Congaræus</b> Lea.	Congaree river.

Page.	Name.	Locality.
57	<b>Unio Conradius</b> <i>Lea.</i>	Tennessee.
	var.	Flint river.
57	<b>constrictus</b> <i>Conrad.</i>	Virginia.
57	<b>Cooperianus</b> <i>Lea.</i>	Ohio river.
	<i>U. striatus</i> Raf., Anthony.	
	var. <i>Obovaria pachostea</i> Raf., Fer.	Kentucky.
57	<b>cor</b> <i>Conrad.</i>	Elk river.
	<i>U. mytiloides?</i> Raf. (young).	
57	<b>cordatus</b> <i>Raf.</i>	Cumberland river.
	<i>U. undatus</i> Barnes.	
	var. <i>U. trigonus</i> <i>Lea.</i>	
	<i>undulatus</i> <i>Desh.</i>	
57	<b>costatus</b> <i>Raf.</i>	Ohio river, Tennessee.
	<i>U. undulatus</i> Barnes.	
57	<b>crassidens</b> <i>Lam.</i>	Ohio river.
	<i>U. cuneatus</i> Barnes.	
	var. <i>U. niger</i> Raf.	Ohio river.
	<i>gibber</i> <i>Lea.</i>	Tennessee.
57	<b>crassus</b> <i>Say.</i>	Ohio river.
	<i>U. ellipticus</i> Barnes.	
	var. <i>U. ellipsarius</i> Raf.	
	<i>ligamentina</i> <i>Lam.</i>	
	<i>orbiculatus</i> <i>Hild.</i>	Scioto river.
	<i>Mya gravis</i> <i>Wood.</i>	Cincinnati.
	<i>U. cyclips</i> Raf.	Mississippi.
	<i>abruptus</i> <i>Say.</i>	
58	<b>cuneolus</b> <i>Lea.</i>	Holston river.
58	<b>cylindricus</b> <i>Say.</i>	Wabash river.
	var. <i>U. naviformis</i> <i>Lam.</i>	Ohio river.
	<i>solenoides?</i> Raf.	Muskingum river.
58	<b>cyphius</b> <i>Raf.</i>	Ohio river.
	<i>U. Æsopus</i> <i>Green.</i>	
	var. <i>Obliquaria cyphia</i> Raf.	Falls of Ohio river.
58	<b>decisus</b> <i>Lea.</i>	Alabama river.
58	<b>declivis</b> <i>Say.</i>	Bayou Teche.
	var. <i>U. geometricus</i> <i>Lea.</i>	Louisiana.
58	<b>delumbis</b> <i>Conrad.</i>	Cooper river, S. C.
	<i>U. modioliformis</i> <i>Lea.</i>	
58	<b>dilatatus</b> <i>Raf.</i>	Upper Missouri.
	<i>U. gibbosus</i> Barnes.	
	var. <i>U. mucronatus</i> Barnes.	Ohio river.
	<i>nasuta</i> <i>Lam.</i>	Tennessee.
58	<b>dolabræformis</b> <i>Lea.</i>	Altamaha river.
58	<b>dromas</b> <i>Lea.</i>	Harpeth river.
58	var.	Elk river.



Page.	Name.	Locality.
58	<b>Unio Edgarianus</b> Lea.	Holston river.
59	<b>exoultus</b> Conrad.	New Orleans.
59	<b>fasciatus</b> Raf. <i>U. carinatus</i> Barnes.	Scioto river, Kentucky.
59	<b>fasciolaris</b> Raf. <i>U. phaseolus</i> Hild. var. <i>U. planulatus</i> Lea. <i>camelus</i> Lea. <i>cuneatus</i> Hild.	Ohio river. Wabash river.
59	<b>fasciolus</b> Raf. <i>U. multiradiatus</i> Lea. var. <i>U. ligamentina</i> Desh.	Ohio river.
59	<b>Fisherianus</b> Lea.	Chester river.
59	<b>flavus</b> Raf. <i>U. rubiginosus</i> Lea.	Kentucky, Ohio river.
59	<b>flexuosus</b> Raf. <i>U. foliatus</i> Hild.	Ohio river.
59	<b>folliculatus</b> Lea.	Savannah river.
59	<b>fragilis</b> Raf. <i>U. gracilis</i> Barnes. var. <i>U. fragilis</i> Swains. <i>Symphynota gracilis</i> Lea.	Detroit river. Fox river. Ohio river.
59	<b>fragosus</b> Conrad.	Scioto river.
59	<b>fulvus</b> Lea. <i>U. icterinus</i> Conrad.	South Carolina.
59	<b>gibbosus</b> Raf. var. <i>U. torulosus</i> Raf. <i>perplexus</i> Lea.	Ohio river. Scioto river. Wabash river.
60	<b>glans</b> Lea.	Ohio river.
60	<b>graniferus</b> Lea.	Ohio river.
60	<b>Griffithianus</b> Lea.	South Carolina.
60	<b>Haysianus</b> Lea.	Cumberland river.
60	<b>Hembeli</b> Conrad.	Louisiana.
60	<b>heros</b> Say. var. <i>U. multiplicatus</i> Lea. <i>undulatus</i> Say.	Fox river. Tennessee river. Wabash river.
60	<b>heterodon</b> Lea.	Schuylkill river.
60	<b>Hildrethianus</b> Lea. <i>Alasmodonta ambigua</i> Say.	Ohio river.
60	<b>Hopetonensis</b> Lea.	Darien, Georgia.
60	<b>Hydianus</b> Lea.	Teche river, La.
60	<b>incrassatus</b> Lea.	Chattahoochee river.
60	<b>inflatus</b> Lea. <i>Symphynota inflata</i> Lea. var. <i>U. Alabamensis</i> Conrad.	Alabama river.

Page.	Name.	Locality.
60	<b>Unio intermedius</b> Conrad.	Nolachucky riv., Tenn.
60	<b>interruptus</b> Raf. <i>U. brevidens</i> Lea. var.	Elk river, Tenn. Ohio river.
60	<b>Jayensis</b> Lea.	Florida.
60	<b>jejunus</b> Lea.	Roanoke river.
60	<b>Kirtlandianus</b> Lea.	Mahoning river.
60	<b>lanceolatus</b> Lea.	Tar river, N. C.
60	<b>lapillus</b> Say. <i>U. fabalis</i> Lea.	Detroit & Ohio rivers.
61	<b>lata</b> Raf. <i>Anodonta lata</i> Raf. var. <i>U. dehiscens</i> Say. <i>oriens</i> Lea.	Ohio river. Wabash river.
61	<b>latiradiatus</b> Conrad. <i>U. interruptus</i> Lea.	Nashville, Tenn., Harpeth river.
61	<b>lecontianus</b> Lea.	Conochee river, Ga.
61	<b>lenior</b> Lea.	Stone's river, Tenn.
61	<b>leptodon</b> Raf. <i>U. tenuissimus</i> Lea. var. <i>U. planus</i> Barnes. <i>velum</i> Say. <i>Anodonta purpurascens</i> Swains.	Ohio river. Wisconsin. Scioto river.
61	<b>lienosus</b> Conrad.	Alabama.
61	<b>lineolatus</b> Raf. <i>U. securis</i> Lea. var. <i>U. depressus</i> Raf.	Ohio river.
61	<b>luteolus</b> Lam. var. <i>U. siliquoideus</i> Barnes. <i>inflatus</i> Barnes.	Mohawk river. Delaware river. Lake Erie.
62	<b>Menkianus</b> Lea.	Harpeth river.
62	<b>metallicus</b> Say. <i>U. cuprinus</i> Lea.	Lake Chalco, Mexico.
62	<b>metanever</b> Raf. <i>U. metanevrus</i> Conrad. var. <i>U. nodosus</i> Barnes.	Ohio river. Wabash & Scioto rivs.
62	<b>monodontus</b> Say. <i>U. soleniformis</i> Lea.	Falls of Ohio.
62	<b>Muhlfeldianus</b> Lea.	Tennessee.
62	<b>mytiloides</b> Raf. <i>U. pyramidatus</i> Lea. var. <i>U. cardiacea</i> Say.	Ohio river.
62	<b>Nashvillianus</b> Lea.	Tennessee.
62	<b>nasutus</b> Say. var. <i>U. rostratus</i> Val.	New York.

Page.	Name.	Locality.
62	<b>Unio nervosus</b> Raf. <i>U. Donaciformis</i> Lea. var. <i>U. zigzag</i> Lea.	Ohio. Falls of Ohio.
62	<b>nexus</b> Say. <i>U. Arcaformis</i> Lea.	Cumberland river.
62	<b>Nicklinianus</b> Lea.	Mexico.
62	<b>nitens</b> Lea.	Long creek, Tenn.
62	<b>nodulatus</b> Raf. <i>U. pustulatus</i> Lea.	Ohio river.
62	<b>Novi-Eboraci</b> Lea.	New York.
63	<b>obesus</b> Lea.	York river, Va.
63	<b>obliquatus</b> Raf. var. <i>U. ridibundis</i> Say. <i>sulcatus</i> Lea.	Ohio. Kentucky.
63	<b>obliquus</b> Lam. <i>U. obovalis</i> Raf. var. <i>U. ebenus</i> Lea.	Ohio river.
63	<b>Ohioensis</b> Raf. <i>Anodonta Ohiensis</i> Raf. var. <i>U. lævissimus</i> Lea.	Ohio river.
63	<b>ochraceus</b> Say. var. <i>Synphynota ochracea</i> Lea. <i>Mytilus fluviatilis</i> Gmelin.	Passaic river. New Jersey. Schuylkill river.
63	<b>olivarius</b> Raf. var. <i>U. ellipsis</i> Lea.	Ohio river, Kentucky. Tennessee.
63	<b>ovalis</b> Flem. <i>U. nodulosus</i> Lam., &c. &c.	Lake Champlain.
63	<b>ovatus</b> Say. <i>U. ventricosus</i> Desh. var. <i>U. subovatus</i> Desh. <i>occidens</i> Desh.	Ohio river.
63	<b>oviformis</b> Conrad.	Tennessee.
63	<b>paludicolor</b> Gould.	Everglades, Fla.
63	<b>papyracea</b> Gould.	Miami river.
63	<b>parvus</b> Barnes.	Ohio and Fox rivers.
64	<b>paulus</b> Lea.	Georgia.
64	<b>pectorosus</b> Conrad. <i>U. perdix</i> Lea.	Harpeth river.
64	<b>personatus</b> Say. var. <i>U. capillaris</i> Lea. <i>pileus</i> Lea.	Wabash river. Cumberland river.
64	<b>pictus</b> Lea.	Harpeth river.
64	<b>pilaris</b> Lea.	Tennessee.
64	<b>planilateris</b> Conrad.	Yadkin river.
64	<b>plenus</b> Lea.	Ohio river.

Page.	Name.	Locality.
64	<b>Unio plicatus</b> Say. <i>U. Peruviana</i> Lam. var. <i>U. rariplicata</i> Lam. <i>Dombeyanus</i> Valenc. <i>undulata</i> Desh. <i>multiplicata</i> Desh.	Ohio. St. Peter's river. Ohio.
64	<b>politus</b> Say. <i>U. subrotundus</i> Lea.	Ohio.
64	<b>pullus</b> Conrad.	Sawney's creek.
65	<b>purpuratus</b> Lam. <i>U. ater</i> Lea. var. <i>U. lugubris</i> Say. <i>Poulsoni</i> ? Conrad. <i>ventricosus</i> Soland.	Mississippi. Bayou Teche. North Carolina.
65	<b>purpuriatius</b> Say. <i>U. Medellinus</i> Lea.	Mexico.
65	<b>quadrulus</b> Raf. <i>U. asperrimus</i> Lea. var. <i>Obliquaria quadrula</i> Raf. <i>U. rugosus</i> Barnes. <i>lachrymosus</i> Lea.	Ohio river.
65	<b>radiatus</b> Lam. <i>U. Virginiana</i> Lam. var. <i>Mya radiata</i> Gmelin. <i>oblongata</i> Wood.	Virginia. Wisconsin. Potomac.
65	<b>Rangianus</b> Lea.	Ohio river.
65	<b>Ravenelianus</b> Lea. <i>U. rudis</i> Conrad.	French Broad river.
65	<b>rectus</b> Lam. <i>U. latissima</i> Raf. var. <i>U. prælongus</i> Barnes. <i>Sageri</i> Conrad.	Ohio river. Lake Erie. Detroit river.
65	<b>reflexus</b> Raf. <i>U. cornutus</i> Barnes.	Alabama & Ohio rivers.
65	<b>retusus</b> Lam. var. <i>U. torsa</i> Raf. <i>obtusa</i> Say, Desh.	Ohio river. Tennessee. Wabash river.
65	<b>Roanokensis</b> Lea.	Roanoke river.
65	<b>rotundatus</b> Lam. <i>U. subglobosus</i> Lea. var. <i>U. suborbiculata</i> Lam. <i>glebulus</i> Say.	Bayou Teche. Louisiana.
66	<b>Sayi</b> Ward. var. <i>U. declivis</i> Conrad.	Kentucky. Ohio, Alabama.
66	<b>Shepardianus</b> Lea.	Hopeton, Ga., Altamaha riv.

Page.	Name.	Locality.
66	<b>Unio simus</b> <i>Lea.</i>	Tennessee.
66	<b>Sloatianus</b> <i>Lea.</i>	Chattahoochie river.
66	<b>solidus</b> <i>Lea.</i>	Mahoning river.
66	<b>Sowerbianus</b> <i>Lea.</i>	Tenn., Cumberland river.
66	<b>spinosus</b> <i>Lea.</i>	Altamaha river, Hope- ton and Darien, Ga.
66	<b>splendidus</b> <i>Lea.</i>	Altamaha river.
66	<b>stapes</b> <i>Lea.</i>	Alabama river.
66	<b>stegarius</b> <i>Raf.</i>	Scioto and Ohio rivers.
	<i>U. irroratus</i> <i>Lea.</i>	
66	<b>subinflatus</b> <i>Conrad.</i>	Savannah river.
66	<b>subplanus</b> <i>Conrad.</i>	Virginia.
66	<b>subrostratus</b> <i>Say.</i>	New York.
	<i>U. iris</i> <i>Lea.</i>	
	var. <i>U. nebulosus</i> <i>Conrad.</i>	Alabama.
67	<b>subrotundus</b> <i>Raf.</i>	Ohio river.
	<i>U. circulus</i> <i>Lea.</i>	
	var. <i>U. lens</i> <i>Lea.</i>	Tennessee.
67	<b>subtentus</b> <i>Say.</i>	Tennessee, Alabama.
67	<b>Tampicoensis</b> <i>Lea.</i>	Tampico river.
67	<b>Tappanianus</b> <i>Lea.</i>	Juniata river.
	<i>U. viridis</i> <i>Conrad.</i>	
67	<b>tenebrosus</b> <i>Conrad.</i>	Virginia.
	<i>U. tenerus</i> <i>Raf.</i>	
67	<b>teres</b> <i>Raf.</i>	Mississippi & Wabash rivers.
	<i>U. anodontoides</i> <i>Lea.</i>	
67	<b>tetralasmus</b> <i>Say.</i>	Bayou St. John.
67	<b>trapezoides</b> <i>Lea.</i>	Lake St. Joseph.
	var. <i>U. interruptus</i> <i>Say.</i>	Louisiana.
67	<b>triqueter</b> <i>Raf.</i>	Falls of Ohio.
	<i>U. triangularis</i> <i>Barnes.</i>	
	var. <i>U. cuneatus</i> <i>Swains.</i>	
	<i>formosus</i> <i>Lea.</i>	
67	<b>Troostensis</b> <i>Lea.</i>	Cumberland river.
	<i>U. trabalis</i> <i>Conrad.</i>	
67	<b>truncatus</b> <i>Raf.</i>	Wabash river, Ohio.
	<i>U. elegans</i> <i>Lea.</i>	
67	<b>tuberculatus</b> <i>Raf.</i>	Harpeth river.
	<i>U. verrucosus</i> <i>Barnes.</i>	
	var. <i>U. tuberculosa</i> <i>Val.</i>	Ohio river.
67	<b>turgidus</b> <i>Lea.</i>	New Orleans.
	<i>U. Mortoni</i> <i>Conrad.</i>	
67	<b>Vanuxemensis</b> <i>Lea.</i>	Cumberland river.
68	<b>venustus</b> <i>Lea.</i>	Potosi, Missouri.

Page.	Name.	Locality.
68	<b>Unio verrucosus</b> Raf. <i>U. tuberculatus</i> Barnes.	Ohio river.
68	<b>Watereensis</b> Lea. <i>U. Raveneli</i> Conrad.	Wateree canal.
68	<b>Zieglerianus</b> Lea.	Cumberland river.
68	<b>Margaritana arcuata</b> Lea.	Altamaha river.
68	<b>calceola</b> Lea. <i>Unio calceolus</i> Lea.	Ohio.
68	<b>complanata</b> Barnes. <i>Symphynota complanata</i> Lea. var. <i>Alasmodonta complanata</i> .	Ohio river. Tennessee.
68	<b>confragosa</b> Say. <i>Alasmodonta confragosa</i> Say.	Illinois.
68	<b>costata</b> Raf. <i>Alasmodonta rugosa</i> Barnes. var. <i>Alasmodonta abducta</i> Say.	Ohio. Wabash river.
68	<b>Curreyana</b> Lea.	Stone's river.
68	<b>dectoidea</b> Lea.	Scioto river.
68	<b>margaritifera</b> Linn. <i>Alasmodonta arcuata</i> Barnes.	Hudson river.
69	<b>marginata</b> Say. <i>Alasmodonta marginata</i> Say. var. <i>Alasmodonta truncata</i> Say. <i>Unio cariosa</i> Lam. var.? <i>varicosa</i> Lam. <i>calceolus</i> Say. <i>Mya regulosa</i> Wood.	New York. New Jersey. Lake Erie. Schuylkill river. Ohio river.
69	<b>Raveneliana</b> Lea.	Swananoe river.
69	<b>undulata</b> Say. <i>Alasmodonta undulata</i> Say. var. <i>Alasmodonta sculptilis</i> Say. <i>Mya undulata</i> Wood. <i>Unio hians</i> Valenc. <i>glabratus</i> Sowerby.	New York. Virginia. New Jersey.
71	<b>Anodonta Benedictensis</b> Lea. <i>Symphynota Benedictensis</i> Lea.	Lake Champlain.
71	<b>Couperiana</b> Lea.	Hopeton Ga.
71	<b>cylindracea</b> Lea.	Medellin river.
71	<b>decora</b> Lea.	Chillicothe.
71	<b>edentula</b> Say. <i>Alasmodonta edentula</i> Say. var. <i>Alasmodonta areolatus</i> Swain.	Ohio. Wabash river.
71	<b>excurvata</b> De Kay. <i>A. fluviatilis?</i> Lea.	Passaic river.
71	<b>ferruginea</b> Lea.	Indiana.
71	<b>Ferussaciana</b> Lea.	Cincinnati.

Page.	Name.	Locality.
72	<b>Anodonta fluviatilis</b> <i>Lea.</i>	Hudson river.
	<i>Mytilus fluviatilis</i> Sol.	
	var. <i>Mytilus illitus</i> Sol.	New Jersey.
	<i>A. cataracta</i> Say.	New York.
	<i>marginata</i> Say.	Massachusetts.
	<i>implicata</i> Say.	Connecticut.
	<i>teres</i> Conrad.	South Carolina.
72	<b>Footiana</b> <i>Lea.</i>	Ohio.
72	<b>gibbosa</b> <i>Say.</i>	South Carolina.
72	<b>gigantea</b> <i>Lea.</i>	Port Gibson.
72	<b>glauca</b> <i>Valenc.</i>	Acapulco.
72	<b>grandis</b> <i>Say.</i>	Fox river.
	<i>A. corpulenta</i> Cooper.	
72	<b>imbecilis</b> <i>Say.</i>	Wabash river and Cin-
	<i>A. incerta</i> <i>Lea.</i>	cinnati.
72	<b>Newtonensis</b> <i>Lea.</i>	New Jersey.
72	<b>Nuttalliana</b> <i>Lea.</i>	Wahlamat river.
72	<b>Oregonensis</b> <i>Lea.</i>	Wahlamat river.
72	<b>ovata</b> <i>Lea.</i>	Marietta.
72	<b>Pepiniana</b> <i>Lea.</i>	Lake Pepin.
73	<b>salmonia</b> <i>Lea.</i>	Poland, Ohio.
73	<b>Stewartiana</b> <i>Lea.</i>	Louisiana.
73	<b>subcylindracea</b> <i>Lea.</i>	Oak Orchard cr., N. Y.
73	<b>suborbiculata</b> <i>Say.</i>	Illinois.
	var. <i>A. rotundatus</i> Swains.	Alton, Illinois.
73	<b>undulata</b> <i>Say.</i>	New York.
	<i>A. rugosus</i> Swains.	
	var. <i>A. Pennsylvanica</i> Lam.	Pennsylvania.
73	<b>Wahlamatensis</b> <i>Lea.</i>	Wahlamat river.
73	<b>Wardiana</b> <i>Lea.</i>	Ohio.
	<i>A. virgata</i> Conrad.	

Family **Chamacea.**

74	<b>Chama arcinella</b> <i>Linn.</i>	Florida.
75	<i>exogyra</i> Conrad.	Upper California.
75	<i>producta</i> Brod.	Mexico.

Family **Mytilacea.**

76	<b>Modiola capax</b> Conrad.	California.
76	<i>cicercula</i> Møll.	Greenland.
	<i>Mytilus decussatus</i> Mont.	
76	<b>discors</b> <i>Linn.</i>	Greenland.
	<i>Mytilus discors</i> <i>Linn.</i>	
	<i>lævigata</i> Gray.	
	<i>Modiola discrepans</i> Lam.	

Page.	Name.	Locality.
76	<b>Modiola dubia.</b>	Greenland.
76	<i>glandula</i> Totten.	Massachusetts.
76	<i>modiolus</i> Linn. (var.) <i>Modiola papuana</i> Lam. <i>Mytilus modiolus</i> Linn. <i>barbatus</i> Linn.	United States.
76	<i>nexa</i> Gould.	Massachusetts.
76	<i>pectinula</i> Gould.	Massachusetts.
77	<i>plicatula</i> Lam. <i>Mytilus demissus</i> Wood. var. <i>Modiola semicostata</i> Conrad.	New York. Massachusetts.
77	<i>tulipa</i> Lam.	United States.
77	<b>Mytilus bifurcatus</b> Conrad.	California.
77	<i>Californianus</i> Conrad.	California.
77	<i>cubitus</i> Say.	Charleston, S. Ca.
77	<i>hamatus</i> Say.	Mobile.
77	<i>leucophantus</i> Conrad.	Georgia.
78	<b>Mytilimeria Nuttallii</b> Conrad.	California.
78	<b>Pinna muricata</b> Linn.	South Carolina.
79	<i>saccata</i> Linn. (var.) <i>P. Nuttallii</i> Conrad.	California.

ORDER **UNIMUSCULOSA.**Family **Pectinacea.**

83	<b>Lima sulcata</b> Leach.	Greenland.
83	<b>Pecten circularis</b> Sowerby.	California.
84	<i>dislocatus</i> Say.	Florida.
85	<b>Islandicus</b> Chemn. (var.) var. <i>P. Pealeii</i> Conrad. <i>Cinnabarina</i> Dillw.	Greenland. Massachusetts. B'ks of Newfoundland.
85	<b>irradians</b> Lam. <i>P. turgidus</i> Sowerby. var. <i>P. concentricus</i> Say.	New York, N. Jersey. Connecticut.
85	<b>lati-auratus</b> Conrad.	California.
85	<b>Magellanicus</b> Gmelin. <i>P. tenuicostata</i> Mighels.	Newfoundland, N. J., Maine.
85	<b>mesotimeris</b> Conrad.	California.
88	<b>Hinnites gigantea</b> Gray (var.) <i>Ostrea gigantea</i> Wood. var. <i>Hinnita Poulsoni</i> Conrad.	California.
89	<b>Spondylus longitudinalis</b> Lam.	America.
89	<i>pictorium</i> Chemn.	West Mexico.
89	<b>Exogyra costata.</b>	New Jersey.



Family **Ostracea.**

Page.	Name.	Locality.
89	<b>Ostræa borealis</b> Lam. var. <i>Ostrea Canadensis</i> Brug.	N. Y., Mass., Conn. New Jersey.
91	<b>Virginica</b> Gmelin. <i>Ostrea Virginiana</i> List.	Maryland, Virginia.
91	<b>Gryphæa convexa</b> Say (fossil).	New Jersey.
92	<b>Anomia aculeata</b> Müll.	New York.
92	<b>ephippium</b> Linn.	New York.

## CLASS BRACHIOPODA.

Family **Tendinosa.**

92	<b>Terebratula Californiana</b> Kust.	California.
92	<b>caput-serpentis</b> Lam. <i>T. costata</i> Lowe. <i>aurita</i> Flem. <i>pubescens</i> Müll.	Maine.
93	<b>psittacea</b> Lam.	Newfoundland.
93	<b>septentrionalis</b> Couth.	Maine.

## CLASS GASTEROPODA.

ORDER **HYDROBRANCHIATA.**

95	<b>Eolis Bostoniensis</b> Couth.	Boston.
----	----------------------------------	---------

ORDER **CIRRHOBANCHIATA.**

96	<b>Dentalium annulatum</b> Mighels.	Maine.
96	<b>entalis</b> Linn. (var.)	Maine.
96	<b>dentalis</b> Linn. <i>D. attenuatum</i> Say.	Boston.

ORDER **CYCLOBRANCHIATA.**

97	<b>Chiton albolineatus</b> Brod.	Mazatlan.
97	<b>apiculatus</b> Say. <i>C. pectinatus</i> Gould, p. 98.	New York.
97	<b>armatus</b> Nutt. <i>C. muscosus</i> Gould.	Upper California.
97	<b>cinereus</b> Linn. (var.) <i>C. minimus</i> Chemn. <i>cinex</i> Chemn.	Greenland.
98	<b>Emersonianus</b> Couth. var. <i>C. vestitus</i> Sowerby.	Massachusetts bay. Arctic ocean.

Page.	Name.	Locality.
98	<b>Chiton fulminatus</b> <i>Couth.</i>	Massachusetts bay.
	<i>C. lævigatus</i> <i>Flem.</i>	
	var. <i>C. latus</i> <i>Lowe.</i>	Northern Ocean.
98	<b>lævigatus</b> <i>Sowerby.</i>	California.
98	<b>Magdalenensis</b> <i>Hinds.</i>	California.
99	<b>scaber</b> <i>Reeve.</i>	Monterey, California.
100	<b>Patella candida</b> <i>Couth.</i>	Maine.
100	<b>cerea</b> <i>Möller.</i>	Greenland.
101	<b>Patella diaphana</b> <i>Nutt.</i>	Upper California.
101	<b>fenestrata</b> <i>Nutt.</i>	Upper California.
101	<b>lævigata</b> <i>Nutt.</i>	Upper California.
101	<b>leucophæa</b> <i>Gmelin.</i>	Upper California.
101	<b>mammillata</b> <i>Nutt.</i>	Upper California.
101	<b>Mazatlanica</b> <i>Sowerby.</i>	Mazatlan.
101	<b>monticolor</b> <i>Nutt.</i>	Upper California.
101	<b>Oregana</b> <i>Nutt.</i>	Upper California, Columbia river.
102	<b>pileata</b> <i>Nutt.</i>	Upper California.
102	<b>rubella</b> <i>Fabr.</i>	Greenland.
102	<b>spectrum</b> <i>Nutt.</i>	Upper California.
102	<b>strigillata</b> <i>Nutt.</i>	Upper California.
102	<b>tessellata</b> <i>Nutt.</i>	Upper California.
102	<b>umbonata</b> <i>Nutt.</i>	Upper California.

ORDER **CERVICOBRANCHIATA.**Family **Fissuracea.**

103	<b>Lottia alveus</b> <i>Conrad.</i>	New York.
103	<b>scabra</b> <i>Nutt.</i>	Upper California.
103	<b>testudinalis</b> <i>Müll.</i>	Mass., Greenland.
	<i>Patella testudinalis</i> <i>Müll.</i>	
105	<b>Fissurella alternata</b> <i>Say.</i>	Maryland.
105	<b>crenulata</b> <i>Sowerby.</i>	Up. Calif'a, Monterey.
107	<b>Cemoria Noachina</b> <i>Linn.</i>	Maine, Greenland.
	<i>Patella Noachina</i> <i>Linn.</i>	
	<i>Fissurella Noachina</i> <i>Sowerby.</i>	

Family **Capulacea.**

107	<b>Crepidula exuviata</b> <i>Nutt.</i>	Upper California.
107	<b>fornicata</b> <i>Linn.</i>	New York.
107	<b>glauca</b> <i>Say.</i>	Rhode Island.
107	<b>Navicelloides</b> <i>Nutt.</i>	Upper California.
107	<b>onyx</b> <i>Sowerby.</i>	Upper California.
	<i>C. rugosa</i> <i>Nutt.</i>	
107	<b>plana</b> <i>Say.</i>	New York.
108	<b>Calyptræa striata</b> <i>Say.</i>	Rhode Island.

Family **Macrostromata.**

Page.	Name.	Locality.
109	<b>Sigaretus perspectivus</b> <i>Say.</i>	South Carolina.
109	<b>Haliotis Californiensis</b> <i>Swains.</i>	California.
110	<b>corrugata</b> <i>Gray.</i>	California.
110	<b>Cracherodii</b> <i>Leach.</i>	California.
	<i>H. glaber</i> <i>Schub.</i>	
110	<b>splendens</b> <i>Reeve.</i>	California.

Family **Tubispiracea.**

111	<b>Skenea serpuloides</b> <i>Flem.</i>	Boston harbor.
-----	--	----------------

ORDER **PLEUROBRANCHIATA.**Family **Bullacea.**

112	<b>Bulla canaliculata</b> <i>Say.</i>	New Bedford.
113	<b>debilis</b> <i>Gould.</i>	Massachusetts bay.
113	<b>Gouldii</b> <i>Couth.</i>	Boston bay.
113	<b>insculpta</b> <i>Totten.</i>	New York.
113	<b>obstricta</b> <i>Gould.</i>	New Bedford.
113	<b>oryza</b> <i>Totten.</i>	New Bedford.
113	<b>triticea</b> <i>Couth.</i>	Boston Bay.

ORDER **PULMOBRANCHIATA.**Family **Colimacea.**

119	<b>Helix albolabris</b> <i>Say.</i>	N. Y., Georgia, Ohio.
	<i>Tridopsis albolabris</i> <i>Beck.</i>	
119	<b>alternata</b> <i>Say.</i>	New York.
	<i>H. scabra</i> <i>Lam.</i>	
	var. <i>H. radiata</i> <i>Gmelin.</i>	Ohio.
	<i>Patula alternata</i> <i>Held.</i>	Tennessee.
	<i>Euryomphala alternata</i> <i>Beck.</i>	Massachusetts.
120	<b>appressa</b> <i>Say.</i>	New York.
	<i>Tridopsis appressa</i> <i>Beck.</i>	
	var. <i>Helicodonta linguifera</i> <i>Fer.</i>	Missouri.
120	<b>arborea</b> <i>Say.</i>	New York.
	<i>H. Ottonis</i> <i>Pfr.</i>	
	var. <i>Helicella arborea</i> <i>Beck.</i>	
121	<b>areolata</b> <i>Sowerby.</i>	Columbia river.
122	<b>auriculata</b> <i>Say.</i>	Florida.
	<i>Polygyra auriculata</i> <i>Say.</i>	
	var. <i>Helicodonta auriculata</i> <i>Fer.</i>	St. Augustine.
	<i>Daedalochila auriculata</i> <i>Beck.</i>	

Page.	Name.	Locality.
122	<b>Helix avara</b> Say.	Florida.
	<i>Polygyra avara</i> Say.	
	var. <i>Helicodonta avara</i> Fer.	Louisiana.
	<i>H. Sayi</i> Wood.	
	<i>auriculata</i> Binney.	
	<i>Stenotrema avara</i> Raf.	
	<i>Daedalochila avara</i> Beck.	
123	<b>Berlanderiana</b> Moric.	Texas.
	<i>H. viginalis</i> Jan.	
125	<b>Buffoniana</b> Pfr.	Mexico.
125	<b>Californiensis</b> Lea.	Columbia riv., Calif'a.
	<i>H. Nickliniana</i> Lea.	
127	<b>Caroliniensis</b> Lea.	New York.
	<i>H. palliata?</i> Say.	
128	<b>cellaria</b> Müll.	United States.
	<i>H. glaphyra?</i> Say.	
128	<b>cereolus</b> Mühlf.	Florida.
	<i>H. septemvolva</i> Fer.	
	var. <i>H. planorbula</i> Lam.	
	<i>polygyrata</i> Binney.	
	<i>Polygyra septemvolva</i> Say.	
	<i>planorbula</i> Beck.	
129	<b>chersina</b> Say.	Massachusetts.
	<i>H. fulva</i> Drap.	
131	<b>clausa</b> Raf.	Tennessee.
	<i>Helicodonta clausa</i> Fer.	
	var. <i>Helix inflecta</i> Say.	Missouri.
	<i>Tridopsis clausa</i> Raf.	Carolina.
	<i>inflecta</i> Beck.	
	<i>Gonostoma clausum</i> Held.	
131	<b>coactiliata</b> Fer.	Tabasco.
	<i>H. fasciata</i> Nyst.	
132	<b>Columbiana</b> Lea.	California.
132	<b>convexa</b> Raf.	Ohio.
	<i>H. hirsuta</i> Fer. var. a.	
	<i>monodon</i> Rack., Binney.	Pennsylvania.
	<i>fraterna</i> Say.	
	<i>H. Leaii</i> Ward.	
	<i>Stenotrema convexa</i> Raf.	
	<i>Tridopsis convexa</i> Beck.	
	<i>fraterna</i> Beck.	
134	<b>Cumberlandiana</b> Lea.	Tennessee.
135	<b>demissa</b> Binney.	Alabama.
135	<b>dentifera</b> Binney.	Vermont.

Page.	Name.	Locality.
136	<b>Helix diodonta</b> Say. <i>H. Sayi</i> Binney.	Vermont.
137	<b>Edgariana</b> Lea. <i>Carocolla Edgariana</i> Lea.	Tennessee.
137	<b>elevata</b> Say. <i>Helicodonta Knoxvilliana</i> F. var. <i>Mesodon helicinum</i> Raf. <i>Tridopsis elevata</i> Beck.	Ohio. Tennessee.
138	<b>fallax</b> Say. var. <i>H. tridentata</i> Binney.	New York.
139	<b>fidelis</b> Gray. var. <i>H. Nuttalliana</i> Lea.	Columbia river. Oregon.
140	<b>fuliginosa</b> Griff. <i>H. capillacea</i> Pfr.	Ohio.
141	<b>fulva</b> Drap. (var.) <i>H. trochulus</i> Dillw. <i>trochilus</i> Flem. <i>nitidula</i> Alten. <i>chersina</i> Say. <i>Mandalisci</i> Bivon. <i>Conulus fulvus</i> Fitz. <i>Petasia trochiformis</i> Beck. <i>Polita fulva</i> Held. <i>H. Mortoni</i> Jeffr. <i>Alderi</i> Gray.	Massachusetts.
143	<b>griseola</b> Pfr. <i>H. cicercula</i> Fer. var. <i>H. splendidula</i> Ant. <i>Bradybaena pisum</i> Beck.	Mexico. Vera Cruz.
143	<b>gularis</b> Say. <i>Helicodonta gularis</i> Fer. var. <i>Sayda?</i> <i>gularis</i> Beck. <i>Helix suppressa</i> Say.	Ohio.
144	<b>Hindsii</b> Pfr.	Mexico.
144	<b>hirsuta</b> Say. <i>Helicodonta hirsuta</i> Fer. var. <i>Helix fraterna</i> Wood. <i>sinuata</i> γ Gmelin. <i>Helix isognomostomos</i> Gmelin. <i>Tridopsis hirsuta</i> Beck. <i>Helix stenotrema</i> Fer.	New York. Pennsylvania. Massachusetts. Rhode Island. Connecticut. Indiana.
146	<b>indentata</b> Say.	New Jersey.
147	<b>inornata</b> Say.	South Carolina.
147	<b>interna</b> Say. <i>H. pomum-Adami</i> Green.	Ohio.

Page.	Name.	Locality.
147	<b>Helix intertexta</b> Binney.	Ohio.
148	<b>labyrinthica</b> Say. <i>Helicodonta labyrinthica</i> Fer.	New York.
149	<b>lævigata</b> Raf. <i>Helix inornata</i> Binney. var. <i>Helicella lævigata</i> Fer. <i>Mesomphix lævigata</i> Raf.	Ohio.
151	<b>ligera</b> Say. <i>H. Wardiana</i> Lea. var. <i>H. Rafinesquea</i> Fer.	Ohio. Kentucky.
151	<b>lineata</b> Say. <i>Helicella lineata</i> Fer. var. <i>Euryomphala lineata</i> Beck.	New York. Massachusetts.
152	<b>lucubrata</b> Say.	Mexico.
153	<b>major</b> Binney. var. <i>H. albolabris</i> Fer.	Georgia.
155	<b>minuscula</b> Binney.	Ohio.
155	<b>Mobiliana</b> Lea.	Mobile.
155	<b>multidentata</b> Gould.	Vermont.
155	<b>multilineata</b> Say. <i>Helicogena multilineata</i> Fer. var. <i>Eurycratera multilineata</i> Beck.	Ohio.
157	<b>nemoralis</b> Linn. (var.) <i>H. subglobosa</i> Binney.	Vermont.
159	<b>obstricta</b> Say. var. <i>H. denotata</i> Fer. <i>Carocolla helicoides</i> Lea.	Ohio. Kentucky.
160	<b>Oregonensis</b> Lea.	Oregon.
161	<b>palliata</b> Say. <i>Helix notata</i> Desh. var. <i>Helicodonta denotata</i> Fer. <i>Helix Caroliniensis</i> Lea. <i>Tridopsis palliata</i> Beck.	New York. Ohio. Vermont. Carolina.
162	<b>Pennsylvanica</b> Green. <i>H. clausa</i> Say.	Pennsylvania.
163	<b>perspectiva</b> Say. <i>Helicella perspectiva</i> Fer. var. <i>Helix patula</i> Desh. <i>Euryomphala perspectiva</i> Beck. <i>Patula perspectiva</i> Held.	New York.
165	<b>planorboides</b> Raf. <i>Helicella planorboides</i> Fer. var. <i>Mesomphix planorboides</i> Raf. <i>Helix concava</i> Say. <i>Circinaria planorboides</i> Beck.	Ohio. Illinois.

Page.	Name.	Locality.
167	<b>Helix profunda</b> Say. <i>Helicella Richardi</i> Fer. var. <i>Tridopsis Richardi</i> Beck.	Ohio.
167	<b>pulchella</b> Müll. (var.) <i>H. paludosa</i> Walk., Mont., &c. &c. <i>H. minuta</i> Say.	Ohio.
168	<b>pura</b> Alder. (var.) <i>Helix nitidula</i> $\beta$ Drap. <i>lenticula</i> Held. <i>electrina</i> Gould. <i>nitida</i> Risso. <i>Helicella nitidosa</i> Beck. <i>Polita nitidosa</i> Held. <i>Zonites purus</i> Gray. <i>Helix striatula</i> Gray. <i>radiatula</i> Alder. <i>Zonites radiatulus</i> Gray. <i>Helix viridula</i> Menke. <i>clara</i> Held. <i>Helicella viridula</i> Beck. <i>Polita clara</i> Held.	Ohio.
169	<b>pustula</b> Fer. <i>Helicodonta pustula</i> Fer.	Texas.
173	<b>Sayi</b> Binney. <i>H. diodonta</i> Say.	Vermont.
176	<b>solitaria</b> Say. <i>Euryomphala solitaria</i> Beck.	Ohio.
176	<b>spinosa</b> Lea. <i>Curocolla spinosa</i> Lea.	Alabama.
177	<b>striatella</b> Anthony. <i>H. perspectiva</i> Fer.	Ohio.
178	<b>subplana</b> Binney.	New York.
180	<b>Texasiana</b> Moric. <i>H. triodonta</i> Jan. var. <i>H. fatigiata</i> Binney. <i>Polygyra plicata</i> Say. <i>Tridopsis triodonta</i> Beck. <i>Polygyra fatigiata</i> Say.	Texas. Alabama.
180	<b>thyroides</b> Say. <i>Helix thyroidus</i> Say. var. <i>Helicodonta thyroidus</i> Say. <i>Mesodon leucodon</i> Rafin. <i>Tridopsis thyroidus</i> Beck.	New York. Ohio.
180	<b>Townsendiana</b> Lea.	Wahlamat.

Page.	Name.	Locality.
181	<b>Helix tridentata</b> Say. <i>Helicodonta tridentata</i> Say. var. <i>Tridopsis lunula</i> Rafin., Beck. <i>tridentata</i> Beck.	New York. N. England, Canada. Pennsylvania.
182	<b>Troostiana</b> Lea. <i>Polygyra Troostiana</i> Lea.	Tennessee.
182	<b>tudiculata</b> Binney.	California.
183	<b>Vancouverensis</b> Lea.	Oregon.
184	<b>ventrosula</b> Pfr.	Mexico.
186	<b>zaleta</b> Say. <i>H. albolabris</i> Fer.	New York.
194	<b>Bulimus dealbatus</b> Say. <i>Helix dealbata</i> Say. var. <i>Buliminus dealbatus</i> Beck. <i>Zebrina dealbata</i> Held.	Tennessee. Alabama.
196	<b>fenestratus</b> Pfr.	Mexico.
198	<b>Gruneri</b> Pfr.	Mexico.
198	<b>Hegewischi</b> Pfr.	Mexico.
201	<b>Mexicanus</b> Lam. <i>Cochlogena vittata</i> Fer. var. <i>Bulimulus Mexicanus</i> Beck.	Tabasco.
206	<b>punctatissimus</b> Less. (var.) <i>Clausilia exesa</i> Pot. et M. <i>Cochlodina exesa</i> Fer. <i>Auricula fuscagula</i> Lea. <i>Pupa septemPLICATA</i> Mühlf. <i>Odontostomus fuscagulus</i> Beck. <i>Bulimus septemPLICATUS</i> Pfr.	Mexico.
208	<b>rudis</b> Anton.	Mexico.
208	<b>Schiedeanus</b> Pfr. <i>B. xanthostomus</i> Wieg. var. <i>B. candidissimus</i> Nyst.	Mexico.
213	<b>zebra</b> Müll. <i>Buccinum zebra</i> Müll., &c. &c.	Mexico.
218	<b>Achatina fasciata</b> Müll. <i>Buccinum fasciatum</i> Müll., &c. &c.	Florida.
219	<b>lubrica</b> Müll. <i>Helix lubrica</i> Müll., &c. &c.	Massachusetts.
221	<b>Rangiana</b> Pfr.	Mexico.
222	<b>trochlea</b> Pfr.	Mexico.
222	<b>truncata</b> Gmel. <i>Bulla truncata</i> Gmel. <i>Buccinum striatum</i> Chemn. <i>Bulimus striatus</i> Brug.	Florida, &c.



Page.	Name.	Locality.
	<i>Cochlicopa rosea</i> Fer.	
	<i>Achatina rosea</i> Desh.	
	<i>striata</i> Lam.	
	<i>Polyphemus glans</i> Say.	
	<i>Glandina truncata</i> Say.	
223	<b>Achatina virginea</b> Linn.	Florida, &c.
	<i>Bulla Virginea</i> Linn., &c. &c.	
224	<b>Pupa armifera</b> Say.	Ohio.
	<i>P. armigera</i> Pot. et M.	
	var. <i>P. rupicola</i> Pfr.	
225	<b>contracta</b> Say.	New York.
225	<b>corticaria</b> Say.	Ohio.
	<i>Odostomia corticaria</i> Say.	
226	<b>fallax</b> Say.	New York.
	<i>P. albolabris</i> Ward.	
	var. <i>P. simplex</i> Binney.	Massachusetts.
	<i>Cyclostoma marginatum</i> Say.	
	<i>P. placida</i> Say.	
227	<b>Gouldii</b> Binney.	New York.
228	<b>milium</b> Gould.	Vermont.
229	<b>muscorum</b> Linn. (var.)	New York.
	<i>Turbo muscorum</i> Linn., &c.	
	<i>P. badia</i> Adams.	
230	<b>ovata</b> Say.	New York.
	<i>Vertigo ovata</i> Say.	
	var. <i>P. modesta</i> Say.	
	<i>P. ovulum</i> Pfr.	
230	<b>pentodon</b> Say.	New York.
	<i>Vertigo pentodon</i> Say.	
	var. <i>P. Tappaniana</i> Ward.	Vermont.
	<i>curvidens</i> Gould.	Ohio.
231	<i>rupicola</i> Say.	S. Carolina, Florida.
232	<i>simplex</i> Gould.	Massachusetts.
235	<b>Cylindrella Goldfussi</b> Menke.	Texas.
235	<i>Liebmanni</i> Pfr.	Mexico.
250	<b>Succinea avara</b> Say.	New York.
	var. <i>S. vermata</i> Say.	
250	<b>campestris</b> Say.	New York.
	<i>Cochlohydra campestris</i> Fer.	
250	<b>Grœnlandica</b> Beck.	Greenland.
250	<b>inflata</b> Lea.	Carolina.
250	<b>Oregonensis</b> Lea.	Oregon.
250	<b>ovalis</b> Say.	New York.
	var. <i>Cochlohydra ovalis</i> Fer.	Ohio.

Family **Cyclostomacea**.

Page.	Name.	Locality.
255	<b>Cyclostoma dentatum</b> Say.	Florida.
257	<b>Mexicanum</b> Menke. ( <i>Aperostoma</i> ) Troschel.	Mexico.
259	<b>Sayanum</b> Anthony.	Ohio.
262	<b>Helicina occulta</b> Say.	Indiana.
262	<b>orbiculata</b> Say. <i>Polygyra orbiculata</i> Say.	East Florida.

Family **Auriculacea**.

263	<b>Carychium exiguum</b> Say. <i>Pupa exigua</i> Say.	Vermont.
264	<b>Auricula bidentata</b> Say. <i>Auricula cornea</i> Desh. var. <i>Melampus bidentatus</i> Say.	New York. Massachusetts.
264	<b>denticulata</b> Mont. (var.) <i>Actæon denticulatus</i> Flem. <i>Jaminea denticulata</i> Leach. <i>Conovulus denticulatus</i> Gray. <i>Auricula myosotis</i> Jeffr.	Massachusetts.
265	<b>Sayi</b> Kust.	New Jersey.

Family **Lymnæadæ**.

267	<b>Planorbis albus</b> Müll. (var.) <i>Helix alba</i> Gmel. <i>P. villosa</i> Poir. <i>albus</i> Turton. <i>hirsutus</i> Gould.	Massachusetts.
267	<b>armigerus</b> Say.	New York.
267	<b>bicarinatus</b> Say. var. <i>P. engonatus</i> Conrad.	New York. Georgia.
267	<b>campanulatus</b> Say.	New York.
267	<b>corpulentus</b> Say.	Winnipeck river.
267	<b>deflectus</b> Say. var. <i>P. virens</i> Adams.	Ohio. Vermont.
267	<b>dilatatus</b> Gould.	Massachusetts.
267	<b>exacutus</b> Say.	New York.
267	<b>lentus</b> Say.	South Carolina.
268	<b>parvus</b> Say. var. <i>P. elevatus</i> Adams. <i>concavus</i> Anthony.	New York. Vermont. Ohio.
268	<b>trivolis</b> Say. var. <i>P. regularis</i> Lea. <i>fullax</i> Say.	New York. New England. New Jersey.

Page.	Name.	Locality.
268	<b>Lymnæa appressa</b> Say.	Vermont.
268	<b>attenuata</b> Say.	Mexico.
268	<b>caperata</b> Say.	Ohio.
	var. <i>L. umbilicata</i> Adams.	New Bedford.
268	<b>catascopium</b> Say.	New York.
	<i>L. emarginata</i> Say.	
	var. <i>L. Virgineana</i> Lam.	Virginia.
	<i>cornea</i> Val.	
	<i>pinguis</i> Say.	Wisconsin.
	<i>decollata</i> Mighels.	Unity, Maine.
269	<b>columella</b> Say.	Massachusetts.
	var. <i>L. acuminata</i> Adams.	Woburn.
	<i>chalybea</i> Gould.	Cambridge.
	<i>coarctata</i> Lea.	Rhode Island.
	<i>macrostoma</i> Say.	Cayuga lake, N. Y.
269	<b>desidiosa</b> Say.	New York.
	var. <i>L. acuta</i> Lea.	Massachusetts.
	<i>Philadelphica</i> Lea.	Pennsylvania.
269	<b>elodes</b> Say.	New York.
269	<b>elongata</b> Say.	New York.
	<i>L. umbrosa</i> Say.	
269	<b>expansa</b> Hald.	Vermont.
269	<b>ferruginea</b> Hald.	Oregon.
269	<b>fragilis</b> Linn. (var.)	New York.
	<i>L. palustris</i> Dr.	
	<i>L. speciosa</i> Ziegl.	
	var. <i>L. corvus</i> Parr.	
269	<b>gracilis</b> Jay.	Vermont.
	<i>Acella gracilis</i> Hald.	
269	<b>Grœnlandica.</b>	Greenland.
269	<b>humilis</b> Say.	New York.
	var. <i>L. modicella</i> Say.	Maine.
	<i>parva?</i> Lea.	Ohio.
269	<b>jugularis</b> Say.	New York.
270	<b>Lindsleyi</b> De Kay.	Connecticut.
270	<b>megasoma</b> Say.	N. W. Territory.
270	<b>Nuttalliana</b> Lea.	Oregon.
270	<b>obrusa</b> Say.	Philadelphia.
270	<b>pallida</b> Adams.	Lake Champlain.
270	<b>reflexa</b> Say.	New York.
	var. <i>L. exilis</i> Lea.	Ohio.
270	<b>solida</b> Lea.	Oregon.
271	<b>umbrosa</b> Say.	New York.
	var. <i>L. elongata</i> Say.	Connecticut.

Page.	Name.	Locality.
271	<b>Lymnæa Vahlîi</b> Beck. <i>Limnophysa Vahlîi</i> Beck.	Greenland.
271	<b>Physa ancillaria</b> Say. var. <i>P. Sayi</i> Tappan.	Pennsylvania. Ohio.
271	<b>distorta</b> Hald.	St. Louis.
271	<b>fragilis</b> Mighels.	Maine.
271	<b>gyrina</b> Say. var. <i>P. elliptica</i> Lea.	Ohio. Indiana.
271	<b>heterostropha</b> Say. var. <i>P. aurea</i> Lea.	New York. Virginia.
271	<b>hypnorum</b> Linn. (var.) <i>P. elongata</i> Say.	New York.
271	<b>obesa</b> De Kay.	Mohawk river.
271	<b>osculans</b> Hald.	Mexico.
271	<b>scalaris</b> Jay.	Florida.
272	<b>Ancylus diaphanus</b> Hald.	Ohio.
272	<b>fuscus</b> Adams.	Massachusetts.
272	<b>obscurus</b> Hald.	Tennessee.
272	<b>parallelus</b> Hald.	New England.
272	<b>rivularis</b> Say.	Pennsylvania.
272	<b>tardus</b> Say.	Vermont.

ORDER **PECTINIBRANCHIATA.**Family **Melaniana.**

272	<b>Melania æqualis</b> Hald.	Nolachucky river.
272	<b>altilis</b> Lea.	Susquehannah river.
272	<b>alveare</b> Conrad.	Tennessee.
272	<b>annulifera</b> Conrad.	Alabama.
272	<b>approxima</b> Hald.	Tennessee.
272	<b>armigera</b> Say.	Tennessee.
273	<b>bella-crenata</b> Hald.	Alabama.
273	<b>Boykiniana</b> Lea.	Georgia.
273	<b>Buddii</b> Lea.	Tennessee.
273	<b>caliginosa</b> Lea.	Tennessee.
273	<b>canaliculata</b> Say.	Ohio.
273	<b>catenaria</b> Say.	South Carolina.
273	<b>catenoides</b> Lea.	Georgia.
273	<b>Cincinnatiensis</b> Lea.	Ohio.
273	<b>clavæformis</b> Lea.	Tennessee.
273	<b>comma</b> Conrad.	Alabama.
273	<b>congesta</b> Conrad.	Alabama.
273	<b>conica</b> Say.	Ohio.
273	<b>costulata</b> Lea.	Tennessee.

Page.	Name.	Locality.
273	<b>Melania crebricostata</b> <i>Lea.</i>	Tennessee.
273	<b>depygis</b> <i>Say.</i>	Ohio.
273	<b>dubiosa</b> <i>Lea.</i>	Alabama.
273	<b>Duttoniana</b> <i>Lea.</i>	Tennessee.
273	<b>ebenum</b> <i>Lea.</i>	Tennessee.
273	<b>Edgariana</b> <i>Lea.</i>	Tennessee.
273	<b>elevata</b> <i>Say.</i>	Ohio.
273	<b>excisa</b> <i>Lea.</i>	Alabama.
	( <i>Schizostoma</i> ) <i>Lea.</i>	
273	<b>excurata</b> <i>Conrad.</i>	Tennessee.
273	<b>exilis</b> <i>Hald.</i>	Ohio.
	var. <i>M. Kirtlandiana</i> <i>Lea.</i>	Indiana.
273	<b>gracilis</b> <i>Anthony.</i>	Ohio.
273	<b>Haysiana</b> <i>Lea.</i>	Alabama.
273	<b>Hydei</b> <i>Conrad.</i>	Alabama.
274	<b>impressa</b> <i>Lea.</i>	Alabama.
274	<b>incisa</b> <i>Lea.</i>	Alabama.
	<i>Anculotus incisus</i> <i>Lea.</i>	
274	<b>interrupta</b> <i>Hald.</i>	Tennessee.
274	<b>Jayana</b> <i>Lea.</i>	Tennessee.
274	<b>læta</b> <i>Jay.</i>	Alabama.
	var. <i>M. robusta</i> <i>Lea.</i>	Coosa river.
274	<b>laqueata</b> <i>Say.</i>	Tennessee.
274	<b>Le Contiana</b> <i>Lea.</i>	Georgia.
274	<b>lima</b> <i>Conrad.</i>	Alabama.
274	<b>livescens</b> <i>Menke.</i>	Lake Erie.
	var. <i>M. Niagarensis</i> <i>Lea.</i>	Niagara.
274	<b>multilineata</b> <i>Say.</i>	Virginia.
	<i>M. Virginica?</i> <i>Say.</i>	
274	<b>nassula</b> <i>Conrad.</i>	Alabama.
274	<b>nupera</b> <i>Say.</i>	Indiana.
	<i>Melanopsis semigranulosa.</i>	
274	<b>occidentalis</b> <i>Lea.</i>	Ohio.
274	<b>olivula</b> <i>Conrad.</i>	Alabama.
274	<b>Pagoda</b> <i>Lea.</i>	Tuscaloosa.
	( <i>Schizostoma</i> ) <i>Lea.</i>	
274	<b>perfusca</b> <i>Lea.</i>	Tennessee.
274	<b>plicatula</b> <i>Lea.</i>	Tennessee.
274	<b>plicifera</b> <i>Lea.</i>	Wahlamat river.
274	<b>prasinata</b> <i>Conrad.</i>	Alabama.
274	<b>proxima</b> <i>Say.</i>	South Carolina.
	var. <i>M. carinata</i> <i>Rav.</i>	North Carolina.
274	<b>regularis</b> <i>Lea.</i>	Tennessee.
274	<b>Rogersii</b> <i>Conrad.</i>	Alabama.

Page.	Name.	Locality.
274	<b>Melania salebrosa</b> <i>Conrad.</i>	Tennessee.
274	<b>Sayii</b> <i>Ward.</i>	Ohio.
275	<b>semicarinata</b> <i>Say.</i>	Ohio.
275	<b>simplex</b> <i>Say.</i>	Virginia.
275	<b>sordida</b> <i>Lea.</i>	Tennessee.
275	<b>striatula</b> <i>Lea.</i>	Tennessee.
275	<b>Stygia</b> <i>Say.</i>	Cumberland river.
275	<b>subularis</b> <i>Lea.</i>	Niagara.
275	<b>suturalis</b> <i>Hald.</i>	Ohio.
275	<b>symmetrica</b> <i>Hald.</i>	Virginia.
275	<b>Taitiana</b> <i>Lea.</i>	Alabama.
275	<b>teres</b> <i>Lea.</i>	Tennessee.
275	<b>Troostiana</b> <i>Lea.</i>	Tennessee.
275	<b>tuberculata</b> <i>Lea.</i>	Tennessee.
275	<b>uncialis</b> <i>Hald.</i>	Tennessee.
275	<b>undulata</b> <i>Say.</i>	Ohio.
275	<b>varicosa</b> <i>Ward.</i>	Ohio.
275	<b>venusta</b> <i>Lea.</i>	Tennessee.
275	<b>Virginica</b> <i>Say.</i>	Virginia.
276	<b>Anculotus angulatus</b> <i>Conrad.</i>	Alabama.
276	<b>carinatus</b> <i>De Kay.</i>	Lake Champlain.
276	<b>crassus</b> <i>Hald.</i>	Tennessee.
276	<b>dis similis</b> <i>Say.</i>	Pittsburg.
	<i>Paludina dissimilis</i> <i>Say.</i>	
276	<b>geniculatus</b> <i>Hald.</i>	East Tennessee.
	<i>Lithasia geniculata</i> <i>Hald.</i>	
276	<b>integer</b> <i>Say.</i>	Ohio.
	var. <i>A. concolor</i> <i>Anthony.</i>	Indiana.
276	<b>Kirtlandianus</b> <i>Anthony.</i>	Ohio.
276	<b>monodontoides</b> <i>Conrad.</i>	Virginia.
	var. <i>A. dentatus</i> <i>Couth.</i>	Potomac river.
276	<b>nigrescens</b> <i>Conrad.</i>	Maryland.
276	<b>obovatus</b> <i>Say.</i>	Alabama.
	<i>Melania obovata</i> <i>Say.</i>	
276	<b>pictus</b> <i>Conrad.</i>	Alabama.
276	<b>plicatus</b> <i>Conrad.</i>	Alabama.
276	<b>prærosus</b> <i>Saj.</i>	Ohio.
	var. <i>A. virgatus</i> <i>Lea.</i>	Tennessee.
276	<b>rubiginosus</b> <i>Lea.</i>	Alabama.
276	<b>subglobosus</b> <i>Say.</i>	Virginia.
	<i>Melania subglobosus</i> <i>Say.</i>	
276	<b>tæniatus</b> <i>Conrad.</i>	Alabama.
276	<b>trilineatus</b> <i>Saj.</i>	Falls of Ohio.
	var. <i>A. costatus</i> <i>Anthony.</i>	Ohio river.

Page.	Name.	Locality.
277	<i>Io fusiformis</i> Lea.	Tennessee.
277	<i>spinosa</i> Lea.	Tennessee.
<b>Family Peristomata.</b>		
278	<i>Valvata pupoidea</i> Gould.	Boston.
278	<i>sincera</i> Say.	Lake Champlain.
278	<i>tricarinata</i> Say.	New York.
	var. <i>V. unicarinata</i> De Kay.	Boston.
	<i>carinata</i> Sowerby.	
278	<i>Ammicola attenuata</i> Hald.	Virginia.
278	<i>Cincinnatiensis</i> Lea.	Ohio.
	<i>Cyclostoma Cincinnatiense.</i>	
278	<i>elongata.</i>	Virginia.
278	<i>grana</i> Say.	Ohio.
	<i>Paludina grana</i> Say.	
278	<i>isogona</i> Say.	Ohio.
	<i>Melania isogona</i> Say.	
278	<i>lapidaria</i> Say.	Ohio.
	<i>Cyclostoma lapidaria</i> Say.	
278	<i>limosa</i> Say.	Ohio.
	<i>Paludina limosa</i> Say.	
278	<i>lustrica</i> Say.	Vermont.
	<i>Paludina lustrica</i> Say.	
278	<i>pallida</i> Hald.	Vermont.
278	<i>porata</i> Say.	Ohio.
	<i>Paludina porata</i> Say.	
278	<i>Sayana</i> Anthony.	Ohio.
279	<i>Paludina altalis</i> Rav.	Santee canal.
279	<i>angulata</i> Lea.	Alabama.
279	<i>Coosaensis</i> Lea.	Alabama.
279	<i>cyclostomatiformis</i> Lea.	Alabama.
279	<i>decisa</i> Say.	New York, Ohio.
279	<i>genicula</i> Conrad.	Georgia.
280	<i>Georgiana</i> Lea.	Georgia.
280	<i>heterostropha</i> Anthony.	Ohio.
280	<i>integra</i> Say.	Ohio.
280	<i>intertexta</i> Say.	Louisiana.
280	<i>magnifica</i> Conrad.	Georgia.
	var. <i>P. bimonilifera</i> Lea.	Alabama.
280	<i>Nuttalliana</i> Lea.	Wahlamat.
280	<i>ponderosa</i> Say.	Ohio, Alabama.
280	<i>subcarinata</i> Say.	Ohio.
281	<i>subglobosa</i> Say.	N. W. Territory.
281	<i>subpurpurea</i> Say.	Illinois.

Page.	Name.	Locality.
282	<b>Ampullaria depressa</b> Say. var. <i>A. Hopetonensis</i> Lea. <i>paludosa</i> Say.	East Florida. Georgia.
283	<b>scalaris</b> D'Orb.	Mexico.
283	<b>urceus</b> Müll. <i>Nerita urceus</i> Müll. var. <i>Bulinus urceus</i> Brug. <i>A. rugosa</i> Lam.	Mexico. Mississippi.

#### Family Neritacea.

288	<b>Neritina reclivata</b> Say. <i>N. macrostoma</i> D'Orb. var. <i>N. Floridana?</i> Shuttl.	Mexico. Vera Cruz.
289	<b>Nerita Deshaysii</b> Recluz.	California.
291	<b>Natica canaliculata</b> Gould.	B'ks of Newfoundland.
291	<b>clausa</b> Sowerby. <i>N. borealis</i> Beck. var. <i>N. consolidata</i> Couth.	Melville Island. New York.
291	<b>cornea</b> Möll. <i>N. fragilis</i> Sab.	Greenland.
292	<b>duplicata</b> Say.	New York.
292	<b>flava</b> Gould. ( <i>Globulus</i> ) Sowerby.	B'ks of Newfoundland.
292	<b>Grœnlandica</b> Beck.	Greenland.
292	<b>heros</b> Say.	New York.
292	<b>immaculata</b> Totten.	Rhode Island.
292	<b>Lewisii</b> Gould.	Puget Sound.
293	<b>otis</b> Sowerby.	Mazatlan.
293	<b>pusilla</b> Say. <i>N. alba</i> Loven. var. <i>N. Grœnlandica</i> Beck.	New York.
293	<b>triseriata</b> Say.	New York.

#### Family Velutiniidæ.

294	<b>Velutina lævigata</b> Linn. <i>Helix lævigata</i> Linn. var. <i>V. capuloidea</i> Blain. <i>rupicola</i> Conrad. <i>Galericulum lævigatum</i> Brown. <i>Velutina plicaria?</i>	Boston bay. Massachusetts. Greenland.
294	<b>zonata</b> Gould.	Boston bay.

#### Family Plicacea.

296	<b>Tornatella puncto-striata</b> Adams.	New York.
-----	---	-----------



Family **Turbinacea.**

Page.	Name.	Locality.
299	<b>Pyramis striatula</b> <i>Couth.</i>	Massachusetts.
299	<b>Cingula aculeus</b> <i>Gould.</i>	Boston.
299	<b>latior</b> <i>Mighels.</i>	Casco bay.
299	<b>minuta</b> <i>Totten.</i>	New Bedford.
	<i>Turbo minutus</i> <i>Totten.</i>	
299	<b>Odostomia exigua</b> <i>Couth.</i>	Boston.
	<i>Jaminia exigua</i> <i>Couth.</i>	
	var. <i>Rissoa rupestris</i> <i>Forbes.</i>	
	<i>Turitella bisuturalis?</i> <i>Say.</i>	
299	<b>fusca</b> <i>Adams.</i>	New Bedford.
	<i>Pyramis fusca</i> <i>Adams.</i>	
	var. <i>Jaminia fusca</i> <i>Adams.</i>	
299	<b>seminuda</b> <i>Adams.</i>	Cape Cod.
	<i>Jaminia seminuda</i> <i>Adams.</i>	
299	<b>trifida</b> <i>Totten.</i>	Rhode Island.
	<i>Acteon trifidus</i> <i>Totten.</i>	
300	<b>Scalaria Grœnlandica</b> <i>Chemn.</i>	B'ks of Newfoundland.
	<i>Turbo clathrus Grœnlandicus.</i>	
	var. <i>S. planicosta</i> <i>Kiener.</i>	Massachusetts bay.
	<i>subulata</i> <i>Couth.</i>	Greenland.
300	<b>hexagona</b> <i>Sowerby.</i>	Acapulco.
300	<b>lineata</b> <i>Say.</i>	New York.
300	<b>multistriata</b> <i>Say.</i>	South Carolina.
	<i>S. pulchella</i> <i>Bivon.</i>	
300	<b>Nov.-Angliæ</b> <i>Couth.</i>	Cape Ann.
302	<b>Solarium placentale</b> <i>Hinds.</i>	California.
305	<b>Trochus moestus</b> <i>Jonas.</i>	California.
307	<b>undosus</b> <i>Wood.</i>	California.
	var. <i>T. Californianus</i> <i>Nutt.</i>	
307	<b>unguis</b> <i>Wood.</i>	Acapulco.
	<i>T. digitatus</i> <i>Desh.</i>	
307	<b>Margarita arctica</b> <i>Leach.</i>	Plymouth, Mass.
	<i>Turbo inflatus</i> <i>Totten.</i>	
307	<b>argentata</b> <i>Gould.</i>	Cape Ann.
307	<b>cinerea</b> <i>Couth.</i>	Massachusetts bay.
	<i>Turbo cinereus</i> <i>Couth.</i>	
307	<b>expansa</b> <i>Sowerby.</i>	Arctic Sea.
307	<b>glabrata.</b>	Greenland.
307	<b>glacialis</b> <i>Müll.</i>	Greenland.
307	<b>Grœnlandica</b> <i>Beck.</i>	Greenland.
307	<b>obscura</b> <i>Couth.</i>	Massachusetts bay.
	<i>Turbo obscurus</i> <i>Couth.</i>	
307	<b>septentrionalis.</b>	Greenland.

Page.	Name.	Locality.
307	<b>Margarita undulata</b> <i>Sowerby.</i> <i>Turbo incarnatus</i> <i>Couth.</i>	Massachusetts bay.
308	<b>Turbo Fokkesii</b> <i>Jonas.</i> <i>Murmorostoma planospira</i> <i>Jay.</i> var. <i>Turbo fluctuatus</i> <i>Reeve.</i>	Mazatlan. Columbia.
310	<b>Littorina irrorata</b> <i>Say.</i> <i>Phasianella sulcata</i> <i>Lam.</i>	New York, Florida.
311	<b>palliata</b> <i>Say.</i> <i>Turbo palliatus</i> <i>Say.</i>	New York.
311	<b>Sitchana</b> <i>Phil.</i>	Isl. Sitcha.
311	<b>tenebrosa</b> <i>Mont.</i> <i>Turbo vestitus</i> <i>Say.</i>	New York.
311	<b>Lacuna divaricata.</b>	Greenland.
311	<b>fusca</b> <i>Binney.</i> var. <i>Lacuna vincta?</i> <i>Mont.</i>	Boston.
311	<b>Neritoidea</b> <i>Gould.</i>	Boston bay.
312	<b>vincta</b> <i>Mont.</i> (var.) <i>L. pertusa</i> <i>Conrad.</i> var. <i>Turbo quadrifasciatus</i> <i>Flem.</i>	Plymouth, Mass.
313	<b>Turritella erosa</b> <i>Couth.</i>	Boston bay.
313	<b>interrupta</b> <i>Totten.</i>	Rhode Island.
313	<b>polaris</b> <i>Beck.</i>	Greenland.
313	<b>reticulata</b> <i>Mighels.</i>	Gulf of St. Lawrence.

#### Family Canalifera.

314	<b>Cerithium Emersonii</b> <i>Adams.</i>	New Bedford.
314	<b>ferrugineum</b> <i>Say.</i>	South Carolina.
314	<b>Greenii</b> <i>Adams.</i>	Cape Cod.
315	<b>muscarum</b> <i>Say.</i> <i>C. stercus-muscarum.</i>	Florida.
315	<b>nigro-cinctum</b> <i>Adams.</i>	New Bedford.
316	<b>Sayi</b> <i>Menke.</i> <i>C. reticulatum</i> <i>Totten.</i>	New Bedford.
316	<b>terebrale</b> <i>Adams.</i>	New Bedford.
318	<b>Turbinella scolymus</b> <i>Gmelin</i> (var.) ( <i>Latirus</i> ) <i>Montf.</i>	Gulf of Mexico.
319	<b>Cancellaria Couthouyi</b> <i>Jay.</i> <i>C. buccinoides</i> <i>Couth.</i>	Massachusetts bay.
320	<b>urceolata</b> <i>Hinds.</i>	California.
320	<b>viridula</b> <i>Fab.</i> <i>Defrancia viridula.</i>	Greenland.
320	<b>Fasciolaria ligata</b> <i>Mighels.</i>	Gulf of St. Lawrence.
321	<b>tulipa</b> <i>Linn.</i> (var.)	Gulf of Mexico.

Page.	Name.	Locality.
321	<b>Fusus carinatus</b> Pennant. <i>Murex carinatus</i> Pennant. var. <i>Murex fornicatus</i> Dillwyn.	Greenland. North Sea.
321	<b>corneus</b> Linn. (var.) <i>Murex corneus</i> Linn.	B'ks of Newfoundland.
321	<b>corona</b> Gmelin. <i>Murex corona</i> Gmelin.	Gulf of Mexico.
321	<b>decemcostatus</b> Say.	Massachusetts bay.
322	<b>Dupetit-Thouarsii</b> Kiener.	California.
322	<b>harpularius</b> Couth.	Massachusetts bay.
322	<b>muricatus</b> Mont. <i>Murex muricatus</i> Mont.	Massachusetts bay.
322	<b>scalariformis</b> Gould.	B'ks of Newfoundland.
323	<b>tornatus</b> Gould.	B'ks of Newfoundland.
323	<b>turriculus</b> Mont. <i>Murex turriculus</i> Mont. var. <i>Pleurotoma turricula</i> Reeve. <i>Murex angulatus</i> Donovan.	B'ks of Newfoundland.
323	<b>ventricosus</b> Gray. <i>F. ocelliferus</i> Encycl. M.	B'ks of Newfoundland.
323	<b>Trophon clathratum</b> Fab. <i>Tritonium clathratum</i> Fab.	Greenland.
323	<b>craticulatum</b> Fab. <i>Tritonium craticulatum</i> Fab. var. <i>Trophon Fabricii</i> Beck.	B'ks of Newfoundland.
323	<b>Defrancia cinerea</b> Möll.	Greenland.
324	<b>exarata</b> Möll.	Greenland.
324	<b>livida</b> Möll.	Greenland.
324	<b>reticulata</b> Möll.	Greenland.
324	<b>VahlII</b> Beck.	Greenland.
324	<b>viridula</b> Fab. <i>Tritonium viridula</i> Fab.	Greenland.
324	<b>Daphnella decussata</b> Couth.	Maine.
326	<b>Pleurotoma funiculata</b> Valenc.	Gulf of California.
327	<b>plicosa</b> Adams. <i>P. plicata</i> Adams.	New Bedford.
328	<b>violacea</b> Adams.	Maine.
328	<b>Pyrula aruana</b> Linn. <i>P. carica</i> Lam. var. <i>Murex aruanus</i> Linn.	New York. South Carolina.
328	<b>canaliculata</b> Linn. <i>Murex canaliculatus</i> Linn. var. <i>P. spirata</i> Kien.	New York. Rye, Vineyard.
329	<b>perversa</b> Linn. <i>Murex perversus</i> Linn.	Key West.

Page.	Name.	Locality.
329	<b>Pyrula pyrum</b> <i>Dillwyn.</i> <i>P. spirata</i> Lam. var. <i>Fulgur pyruloides</i> Say.	Florida.
330	<b>Murex bicolor</b> Val. <i>M. erythrostomus</i> Swains. var. <i>M. regius</i> Schub. et Wagn.	Gulf of California. Mazatlan.
330	<b>brassica</b> Lam. <i>M. ducalis</i> Brod.	Gulf Calif'a, Mazatlan.
330	<b>chrysostomus</b> Gray.	Gulf of Mexico.
331	<b>elongatus</b> Lam.	Gulf of Mexico.
331	<b>foliatus</b> Gmelin.	California.
331	<b>imperialis</b> Swain. (var.)	California.
332	<b>Nuttallii</b> Conrad. <i>Cerostoma Nuttallii</i> Conrad.	California.
333	<b>spinicostata</b> Val.	Gulf of Mexico.
334	<b>trilineatus</b> Reeve.	Gulf of Mexico.
334	<b>Ficula decussata</b> Wood.	San Blas.
335	<b>papyratia</b> Say. <i>Pyrula papyratia</i> Say.	Florida.
335	<b>Ranella caudata</b> Say.	New York.
336	<b>triquetra</b> Reeve.	California.
<b>Family Alata.</b>		
339	<b>Aporrhais occidentalis</b> Beck. <i>A. occidentalis</i> Sowerby.	Grand Bank.
342	<b>Strombus galeatus</b> Wood. (var.)	California.
342	<b>gracilior</b> Wood.	California.
<b>Family Purpurifera.</b>		
346	<b>Ricinula dumosa</b> Conrad. <i>R. porphyrostoma</i> Reeve.	California.
347	<b>Columbella avara</b> Say.	New York.
348	<b>carinata</b> Hinds.	California.
348	<b>hæmastoma</b> Sowerby (var.)	California.
349	<b>lunata</b> Say. <i>Nassa lunata</i> Say.	Massachusetts.
351	<b>Purpura aperta</b> Blain. (var.) <i>P. macrostoma</i> Conrad.	California.
352	<b>emarginata</b> Desh. <i>P. Conradi</i> Nutt.	California.
352	<b>Floridana</b> Conrad.	Tampa bay.
352	<b>harpa</b> Conrad.	California.
353	<b>lapillus</b> Linn. (var.) <i>Buccinum filosum</i> Gmelin. var. <i>P. imbricata</i> Lam.	Massachusetts. Maine.

Page.	Name.	Locality.
354	<b>Monoceros brevidens</b> Conrad.	California.
355	<b>lugubre</b> Sowerby. <i>M. cymatum</i> Sowerby.	California.
355	<b>punctatum</b> Gray. <i>Purpura lapilloides</i> Conrad.	Santa Barbara.
355	<b>unicarinatum</b> Sowb. (var.) <i>Purpura engonata</i> Conrad.	Santa Barbara.
356	<b>Harpa crenata</b> Swain. (var.) <i>H. testudinalis</i> . var. <i>H. Rivoliana</i> Less. <i>Mexicana</i> .	Mexico.
358	<b>Trichotropis borealis</b> Sowerby. <i>T. costellatus</i> Couth.	Newfoundland.
358	<b>Bullia armata</b> Gray. <i>Buccinum moniliferum</i> Kien.	Newfoundland.
359	<b>Buccinum calcareum</b> .	Newfoundland.
359	<b>ciliatum</b> Fabr. <i>Tritonium ciliatum</i> Fabr. var. <i>B. ventricosum</i> Kien.	Newfoundland.
360	<b>cyaneum</b> Beck.	Greenland.
360	<b>Donovani</b> Gray.	Newfoundland.
361	<b>Mölleri</b> Reeve.	Greenland.
362	<b>plicosum</b> Menke. <i>Fusus cinereus</i> Say.	New York.
362	<b>pristis</b> Desh. <i>B. serratum</i> Kien. var. <i>B. Northii</i> .	California.
362	<b>pusio</b> Linn. <i>B. plumatum</i> Gmelin. var. <i>Fusus pusio</i> Encycl. <i>articulatus</i> Lam.	California.
363	<b>undatum</b> Linn. (var.) <i>Tritonium undatum</i> Müll. <i>B. striatum</i> Pennant. var. <i>B. solutum</i> Dillwyn. <i>Cochlea marina</i> Belon.	Grand Banks.  Massachusetts. Cape Cod.
364	<b>Nassa obsoleta</b> Say. <i>Buccinum oliviforme</i> Kien.	New York.
365	<b>trivittata</b> Say.	New York.
365	<b>vibex</b> Say.	South Carolina.
369	<b>Oliva litterata</b> Lam.	Florida.
369	<b>mutica</b> Say.	South Carolina.
370	<b>polpasta</b> Duclos.	California.
373	<b>Terebra rudis</b> Gray. <i>T. Petitii</i> Kiener.	South Carolina.

Page.	Name.	Locality.
373	<b>Terebra specillata</b> <i>Hinds.</i>	San Blas.
373	<b>variegata</b> <i>Gray.</i>	Gulf of California.
	<i>T. Africana</i> <i>Gray.</i>	

#### Family **Columellata.**

374	<b>Marginella carnea</b> <i>Storer.</i>	Key West.
375	<b>Storeria</b> <i>Couth.</i>	Gulf of Mexico.
378	<b>Mitra Grœnlandica</b> <i>Gray.</i>	Greenland.
383	<b>Voluta Junonia</b> <i>Chemn.</i>	Gulf of Mexico.

#### Family **Convoluta.**

387	<b>Cyprœa albuginosa</b> <i>Mawe.</i>	California.
387	<b>Arabica</b> <i>Linn. (var.)</i>	California.
	<i>C. eglantina</i> <i>Duclos, &amp;c. &amp;c.</i>	
387	<b>Californica</b> <i>Gray.</i>	California.
	<i>Trivia Californica</i> <i>Gray.</i>	
391	<b>onyx</b> <i>Linn.</i>	San Diego, California.
	<i>C. adusta</i> <i>Lam.</i>	
	<i>nymphæ</i> <i>Duclos.</i>	
	<i>pulla</i> <i>Gmelin.</i>	
392	<b>Solandri</b> <i>Gray.</i>	California.
394	<b>Ovulum avena</b> <i>Sowerby.</i>	Mexico.
	( <i>Cyprœada.</i> )	
395	<b>uniplicatum</b> <i>Sowerby.</i>	South Carolina.
400	<b>Conus interruptus</b> <i>Brod.</i>	Mazatlan.
404	<b>purpurascens</b> <i>Brod.</i>	San Blas.
405	<b>spurius</b> <i>Gmel. (var.)</i>	Mexico.
	<i>C. leoninus</i> <i>Brug.</i>	
	<i>Proteus</i> <i>Brug.</i>	
	<i>inscriptus</i> <i>Brug.</i>	
	<i>bicolor</i> <i>Sowerby.</i>	

(Errata.) *Natica Grœnlandica* *Beck* = **N. pusilla** *Say.*

#### SUPPLEMENT.

465	<b>Cyclas aurea</b> <i>Prime.</i>	Ohio.
465	<b>cœrula</b> <i>Prime.</i>	Massachusetts.
465	<b>fabalis</b> <i>Prime.</i>	Lake Superior.
465	<b>flava</b> <i>Prime.</i>	Lake Superior.
465	<b>Jayensis</b> <i>Prime.</i>	Lake Superior.
465	<b>pellucida</b> <i>Prime.</i>	Vermont.
	<i>C. calyculata</i> <i>Adams.</i>	
466	<b>securis</b> <i>Prime.</i>	Cambridge.
466	<b>solidula</b> <i>Prime.</i>	Ohio.
466	<b>transversa</b> <i>Say.</i>	Ohio.
466	<b>truncata</b> <i>Lindsley.</i>	Connecticut.

Page.	Name.	Locality.
466	<b>Pisidium abditum</b> <i>Hald.</i>	Pennsylvania.
466	<i>atile</i> <i>Anthony.</i>	Ohio.†
466	<i>compressum</i> <i>Prime.</i>	Massachusetts.
466	<i>variabile</i> <i>Prime.</i>	Massachusetts.
466	<i>ventricosum</i> <i>Prime.</i>	Massachusetts.
466	<b>Venus astartoides</b> <i>Beck.</i>	Greenland.
466	<i>Manhattensis</i> <i>Prime.</i>	New York.
468	<b>Dentalium striolatum</b> <i>Stimpson.</i>	Maine.
469	<b>Bulla amygdalus</b> <i>List.</i>	Gulf of Mexico.
	<i>B. striata</i> <i>Brug.</i>	
469	<i>canaliculata</i> <i>Say.</i>	New Bedford.
	Subgenus <i>Tornatina.</i>	
	var. <i>Bullina canaliculata</i> <i>Say.</i>	
	<i>Volvaria canaliculata</i> <i>Say.</i>	
469	<i>corticata</i> <i>Möll.</i>	Greenland.
	Subgenus <i>Cylichna.</i>	
469	<i>debilis</i> <i>Gould.</i>	Boston bay.
	Subgenus <i>Aplustrum.</i>	
470	<i>formosa</i> <i>Stimpson.</i>	Massachusetts.
	<i>Philine formosa</i> <i>Stimpson.</i>	
470	<i>Gouldii</i> <i>Couth.</i>	Boston bay.
	Subgenus <i>Aplustrum.</i>	
470	<i>insculpta</i> <i>Totten.</i>	Rye, New York.
	Subgenus <i>Haminea.</i>	
	<i>B. solitaria</i> <i>Say.</i>	Maryland.
	var. <i>B. Reinhardi</i> <i>Holb.</i>	North America.
470	<i>lignaria</i> <i>Linn.</i> (var.)	B'ks of Newfoundland.
	Subgenus <i>Scaphander.</i>	
470	<i>nebulosa</i> <i>Gould</i> (var.)	Gulf of California.
470	<i>obstricta</i> <i>Gould.</i>	Boston bay.
	Subgenus <i>Tornatina.</i>	
470	<i>oryza</i> <i>Totten.</i>	Massachusetts.
	Subgenus <i>Haminea.</i>	
470	<i>pertenuis</i> <i>Mighels.</i>	Cape Cod.
471	<i>triticea</i> <i>Couth.</i>	Boston bay.
	Subgenus <i>Cylichna.</i>	
471	<i>virescens</i> <i>Sowerby.</i>	California.
	Subgenus <i>Haminea.</i>	
471	<b>Helix exigua</b> <i>Stimpson.</i>	Boston.
473	<b>Succinea obliqua</b> <i>Say.</i>	New York.
473	<i>Texasiana</i> <i>Pfr.</i>	Galveston.
474	<b>Planorbis multivolvis</b> <i>Case.</i>	Michigan.
474	<b>Physa vinosa</b> <i>Gould.</i>	Lake Superior.
474	<b>Melania brevi-spira</b> <i>Anthony.</i>	Ohio.
474	<i>monilifera</i> <i>Anthony.</i>	Georgia.
475	<b>Odostomia insculpta</b> <i>De Kay.</i>	New York bay.

Page.	Name.	Locality.
475	<i>Turritella acicula</i> <i>Stimpson</i> .	Cape Cod.
476	<i>Pleurotoma cerinum</i> <i>Kurtz, Stimpson</i> .	New Bedford.
476	<i>Murex Belcheri</i> <i>Hinds</i> .	San Diego.
476	<i>monoceros</i> <i>Sowb.</i> = <i>M. Nuttallii</i> <i>Conr</i> .	
478	<i>Spirialis Gouldii</i> <i>Stimpson</i> .	Coast of U. States.

[In the earlier editions of the Catalogue occur the following names. Considerable discrepancy also exists regarding synonymy, owing principally to the improvements in classification. These earlier editions, not being perfectly represented in the Bibliography, should be consulted by the student.—W. G. B.]

(First Edition, vide p. 46.)

Page.	Name.	Locality.
8	<i>Mya hyalina</i> .	Montauk point, N. Y.
8	<i>Erycina cardioides</i> .	Florida.
9	<i>Pandora rostrata</i> .	New Jersey.
10	<i>Lucina divaricata</i> .	Rhode Island.
11	<i>Cyclas cornea</i> .	New Jersey.
11	<i>Cytherea Florida</i> .	Florida.
12	<i>concentrica</i> .	South Carolina.
15	<i>Unio formosus</i> .	Ohio.
16	<i>soleniformis</i> .	Ohio.
16	<i>ebenus</i> .	Alabama.
16	<i>asper</i> .	Louisiana.
16	<i>lens</i> .	Ohio.
16	<i>anodontoides</i> .	Ohio.
16	<i>pustulosus</i> .	Ohio.
16	<i>pustulatus</i> .	Illinois.
16	<i>oriens</i> .	Ohio.
16	<i>brevidens</i> .	Ohio.
16	<i>asperrimus</i> .	Ohio.
16	<i>multiplicatus</i> .	Ohio.
16	<i>rubiginosus</i> .	Ohio.
16	<i>sulcatus</i> .	Ohio.
16	<i>planulatus</i> .	Ohio.
16	<i>circulus</i> .	Ohio.
16	<i>multiradiatus</i> .	Ohio.
16	<i>occidens</i> .	Illinois.
16	<i>securis</i> .	Ohio.
16	<i>iris</i> .	Ohio.
16	<i>zigzag</i> .	Ohio.
16	<i>patulus</i> .	Ohio.
16	<i>calceolus</i> .	Ohio.



Page.	Name.	Locality.
16	<b>Unio donaciformis.</b>	Ohio.
16	<i>ellipsis.</i>	Ohio.
16	<i>irroratus.</i>	Ohio.
16	<i>mytiloides.</i>	Ohio.
	<i>U. undatus</i> Barnes.	
16	<i>cuneiformis.</i>	Ohio.
17	<i>modioliformis.</i>	Ohio.
17	<i>perdix.</i>	Tennessee.
17	<i>varicosus.</i>	Ohio.
17	<i>tenerus</i> (Rav. ed. 2.)	Cooper river, S. C.
17	<i>ridibundus.</i>	Tennessee.
17	<i>torsus.</i>	Ohio.
17	<i>scalenius.</i>	Ohio.
17	<i>Æsopus.</i>	Ohio.
17	<i>cornutus.</i>	Ohio.
17	<i>cuneatus.</i>	Ohio.
17	<i>ventricosus.</i>	Illinois.
17	<i>triangularis.</i>	Ohio.
17	<i>foliatus.</i>	Ohio.
18	<i>undulatus.</i>	Ohio.
18	<b>Symphynota inflata.</b>	Tennessee.
18	<i>lævissima.</i>	Ohio.
18	<i>alata.</i>	Ohio.
18	<i>complanata.</i>	Ohio.
18	<i>compressa.</i>	Ohio.
18	<i>gracilis.</i>	Ohio.
18	<i>tenuissimus.</i>	Ohio.
18	<b>Alasmodonta confragosa.</b>	Illinois.
18	<i>rugosa.</i>	Ohio.
18	<i>complanata.</i>	Kentucky.
18	<i>marginata.</i>	Ohio.
18	<i>undulata.</i>	New Jersey.
18	<b>Anodonta fragilis.</b>	Ohio.
19	<b>Modiola demissus.</b>	Rhode Island.
20	<b>Pinna seminuda.</b>	South Carolina.
21	<b>Hinnites Poulsoni.</b>	California.
22	<b>Pecten gigantea.</b>	California.
26	<b>Helix aspersa.</b>	Charleston, S. C.
26	Richardi.	Tennessee.
28	<i>fraterna.</i>	Pennsylvania.
29	<b>Carocolla spinosa.</b>	Alabama.
30	<b>Bulimus undatus.</b>	Florida.
31	<i>mutilatus.</i>	South Carolina.
31	<b>Achatina vexillum.</b>	Florida.
31	<i>virginea.</i>	Florida.

Page.	Name.	Locality.
32	<b>Achatina glans.</b>	South Carolina.
33	<b>Physa gyrina.</b>	South Carolina.
33	<b>Melania carinata.</b>	Yadkin river, N. C.
34	<b>Ampullaria Hopetonensis.</b>	Georgia.
38	<b>Cerithium dislocatum.</b>	South Carolina.
39	<b>Fasciolaria distans.</b>	South Carolina.
40	<b>Fusus cinereus.</b>	South Carolina.
46	<b>Buccinum serratum.</b>	California.
53	<b>Oliva Sayana.</b>	South Carolina.

(Second Edition, vide p. 52.)

8	<b>Solen constrictus</b> <i>Lam.</i>	Rhode Island.
8	<b>rostratus</b> <i>Lam.</i>	Maine.
9	<b>Thracia corbuloides</b> <i>Desh.</i>	Rhode Island.
10	<b>Gnathodon truncatus.</b>	Florida.
12	<b>Tellina versicolor</b> <i>Cozzens.</i>	New York.
16	<b>Cardium fasciatum</b> <i>Mont.</i>	South Carolina.
19	<b>Unio arcæformis</b> <i>Lea.</i>	Tennessee.
20	<b>dehiscens</b> <i>Say.</i>	Ohio.
	<i>U. oriens</i> <i>Lea.</i>	
20	<b>elegans</b> <i>Lea.</i>	Ohio.
20	<b>gibbosus</b> <i>Barnes.</i>	
	<i>U. nasuta</i> <i>Lam.</i>	
20	<b>fabalis</b> <i>Lea.</i>	Ohio.
	<i>U. lapillus</i> <i>Say.</i>	
21	<i>heros</i> <i>Say</i> = <b>U. multiplicatus</b> <i>Lea.</i>	
21	<b>perplexus</b> <i>Lea.</i>	Ohio.
21	<b>phaseolus</b> <i>Hildreth.</i>	Ohio.
	<i>U. planulatus</i> <i>Lea.</i>	
21	<b>pyramidatus</b> <i>Lea.</i>	Ohio.
22	<b>sulcatus</b> <i>Lea.</i>	Tennessee.
	<i>U. ridibundus</i> <i>Say.</i>	
22	<b>rugosus</b> <i>Barnes.</i>	Ohio.
	<i>U. asperrimus</i> <i>Lea.</i>	
22	<b>orbiculatus</b> <i>Hildreth.</i>	Tennessee.
	<i>U. crassus</i> <i>Conrad.</i>	
	<i>abruptus</i> <i>Say.</i>	
22	<i>crassidens</i> (var. a) <i>Lam.</i> = <b>U. trapezoides</b> <i>Lea.</i>	
22	<b>trigonus</b> <i>Lea.</i>	Ohio.
22	<i>formosus</i> <i>Lea</i> = <b>U. triangularis</b> <i>Barnes.</i>	
22	<i>undatus</i> <i>Barnes</i> = <b>U. obliquus</b> <i>Lam.</i>	
22	<b>undulatus</b> <i>Barnes.</i>	Ohio.
23	<i>elongata</i> <i>Lam.</i> = <b>Alasmodonta margaritifera</b> <i>Say.</i>	
23	<b>Alasmodonta edentula</b> <i>Say.</i>	Ohio.
23	<b>Anodonta areolata</b> <i>Sw.</i>	Western rivers.

Page.	Name.	Locality.
23	<i>Anodonta corpulenta</i> Cooper.	Upper Miss. river.
23	<i>plana</i> Lea.	Illinois.
26	<i>Pecten concentricus</i> Say.	New York.
27	<i>Ostrea Canadensis</i> Lam.	New York.
29	<i>Clio borealis</i> Linn.	New York.
30	<i>Patella alveus</i> Conrad.	Plymouth, Mass.
31	<i>Crepidula unguiformis</i> Lam.	New York.
33	<i>Helix Bonplandii</i> Lam.	Tennessee.
34	<i>diodonta</i> Zgl.	Ohio.
34	<i>exoleta</i> Say.	Ohio.
34	<i>glaphyra</i> Say.	Ohio.
36	<i>minuta</i> Say.	Ohio.
36	<i>personata</i> Lam.	Ohio.
38	<i>Helicina picta</i> .	Mexico.
38	<i>Pupa exigua</i> Say.	Ohio.
39	<i>Clausilia exesa</i> Spix.	Mexico.
41	<i>Bulimus multifasciatus</i> Lam.	Mexico.
41	<i>princeps</i> Brod.	Mexico.
43	<i>Melampus bidentalis</i> Say.	New York.
43	<i>borealis</i> Conrad.	Rhode Island.
43	<i>Cyclostoma lapidaria</i> Say.	Ohio.
43	<i>marginata</i> Say.	Ohio.
44	<i>Physa elliptica</i> Lea.	Ohio.
45	<i>Lymnæa stagnalis</i> Lam.	Ohio.
45	<i>Melania annulata</i> Conrad.	Alabama.
45	<i>isogonia</i> Say.	Ohio.
45	<i>lineata</i> Say.	Ohio.
45	<i>mutilata</i> Say.	South Carolina.
45	<i>obovata</i> Say.	Ohio.
45	<i>olivata</i> Conrad.	Alabama.
46	<i>Paludina dissimilis</i> Say.	Ohio.
46	<i>grana</i> Say.	Ohio.
46	<i>limosa</i> Say.	Ohio.
47	<i>Neritina latissima</i> Brod.	Mexico.
49	<i>Actæon trifidus</i> Totten.	Rhode Island.
51	<i>Turbo inflatus</i> Totten.	Plymouth, Mass.
52	<i>minutus</i> Totten.	Cape Cod.
53	<i>Cerithium reticulatum</i> Totten.	Rhode Island.
74	<i>Loligo Pealeii</i> Lesueur.	New York.
75	<i>Unio camelus</i> Lea.	Ohio.

(Third Edition, vide p. 64.)

12	<i>Saxicava rhomboides</i> Desh.	Massachusetts bay.
14	<i>Tellina rosea</i> Lam.	California.
15	<i>Lucina bella</i> Conrad.	Upper California.

Page.	Name.	Locality.
17	<b>Cytherea callosa</b> <i>Conrad.</i>	Upper California.
19	<b>Venus staminea</b> <i>Conrad.</i>	Upper California.
23	<b>Unio camelus</b> <i>Lea.</i>	Ohio.
23	<b>Cumberlandicus</b> <i>Lea.</i>	Tennessee.
24	<b>cuprinus</b> <i>Lea.</i>	Mexico.
24	<b>lævissimus</b> <i>Lea.</i>	Ohio.
24	<b>lachrymosus</b> <i>Lea.</i>	Ohio.
25	<b>orbiculatus</b> <i>Hildreth.</i>	Indiana.
25	<b>pileus</b> <i>Lea.</i>	Ohio.
26	<b>Schoolcraftensis</b> <i>Lea.</i>	Green bay.
26	<b>subovatus</b> <i>Lea.</i>	Ohio.
23	<b>tenuissimus</b> <i>Lea.</i>	Ohio.
28	<b>Anodonta pavonia</b> <i>Lea.</i>	Ohio.
30	<b>Modiola papuana</b> <i>Lam.</i>	New York.
30	<b>Mytilus borealis</b> <i>Lam.</i>	New York.
31	<b>Perna Californica</b> <i>Conrad.</i>	California.
33	<b>Pecten tumidus</b> <i>Brod.</i>	Upper California.
34	<b>Anomia patellaris</b> <i>Lam.</i>	New York.
36	<b>Eolis gymnota</b> <i>Couth.</i>	Charles river.
33	<b>salmonacea</b> <i>Couth.</i>	Massachusetts.
37	<b>Tritonia Reynoldsii</b> <i>Couth.</i>	Charles river.
37	<b>Chiton Californicus</b> <i>Nutt.</i>	Upper California.
37	<b>incarnatus</b> <i>Nutt.</i>	Upper California.
37	<b>pectinatus</b> <i>Gould.</i>	New York.
37	<b>textilis</b> <i>Conrad.</i>	Upper California.
37	<b>Patella amœna</b> <i>Say.</i>	New York.
38	<b>plicata</b> <i>Nutt.</i>	Upper California.
38	<b>scabra</b> <i>Nutt.</i>	Upper California.
40	<b>Fissurella ornata</b> <i>Nutt.</i>	Upper California.
40	<b>pica</b> <i>Nutt.</i>	Upper California.
41	<b>Crepidula rugosa</b> <i>Nutt.</i>	Upper California.
41	<b>squamosa</b> <i>Brod.</i>	Upper California.
41	<b>Bulla Californica</b> <i>Nutt.</i>	Upper California.
46	<b>Helix denotata</b> <i>Fer.</i>	Ohio.
	<i>H. palliata</i> <i>Say.</i>	
47	<b>Leaii</b> <i>Ward.</i>	Ohio.
47	<b>linguifera</b> <i>Fer.</i>	Ohio.
	<i>H. appressa</i> <i>Say.</i>	
49	<b>planorbula</b> <i>Lam.</i>	Florida.
	<i>H. septemvolva</i> <i>Say.</i>	
49	<b>scabra</b> <i>Lam.</i>	New York.
	<i>H. alternata</i> <i>Say.</i>	
50	<b>subglobosa</b> <i>Binney.</i>	Massachusetts.
51	<b>Wardiana</b> <i>Lea.</i>	Ohio.
51	<b>zaleta</b> <i>Say.</i>	Ohio.

Page.	Name.	Locality.
58	<i>Achatina striata</i> Desh.	Florida.
59	<i>Auricula cornea</i> Desh.	New York.
61	<i>Physa aurea</i> Lea.	Virginia.
62	<i>Melania subglobosa</i> Say.	Ohio.
62	<i>trilineata</i> Say.	Ohio.
63	<i>Anculotus dentatus</i> Conrad.	Potomac.
64	<i>Paludina porata</i> Say.	Ohio.
68	<i>Natica variolaris</i> .	California.
68	<i>Galericulum lævigatum</i> Brown.	Massachusetts bay.
68	<i>ovatum</i> Brown.	Massachusetts bay.
69	<i>Pyramidella terebellum</i> Lam.	South Carolina.
69	<i>Scalaria communis</i> Lam.	South Carolina, &c.
70	<i>subulata</i> Couth.	Massachusetts bay.
70	<i>Trochus Californicus</i> Nutt.	Upper California.
70	<i>castaneus</i> Nutt.	Upper California.
72	<i>Monodonta fusca</i> Nutt.	Upper California.
72	<i>marginata</i> Nutt.	Upper California.
72	<i>Turbo aculeus</i> Gould.	Massachusetts bay.
72	<i>cinereus</i> Couth.	Massachusetts bay.
72	<i>incarnatus</i> Couth.	Massachusetts bay.
72	<i>inflatus</i> Totten.	Plymouth.
72	<i>irroratus</i> Say.	New York.
73	<i>minutus</i> Totten.	Cape Cod.
73	<i>obligatus</i> Say.	Massachusetts.
73	<i>obscurus</i> Couth.	Massachusetts.
73	<i>palliatius</i> Say.	Massachusetts.
73	<i>pallida</i> Nutt.	Upper California.
73	<i>vestita</i> Say.	Massachusetts.
73	<i>Marmarostoma planospira</i> Nutt.	Upper California.
73	<i>Littorina iostoma</i> Nutt.	Upper California.
73	<i>maculata</i> Nutt.	Upper California.
73	<i>planaxis</i> Nutt.	Upper California.
74	<i>Phasianella inflexa</i> Couth.	Massachusetts bay.
77	<i>Cancellaria Couthouyi</i> Jay. <i>C. buccinoides</i> Couth.	Massachusetts bay.
79	<i>Melongenella occidentalis</i> Nutt.	California.
80	<i>Murex sexcostatus</i> Brug.	California.
84	<i>Purpura bezoar</i> Blainv.	California.
84	<i>chocolatum</i> Ducloz.	California.
85	<i>macrostoma</i> Conrad.	Sta. Barbara.
86	<i>Monoceros engonata</i> Conrad. <i>Purpura spirata</i> Blainv.	California.
86	<i>lapilloides</i> Nutt.	California.
86	<i>plumbeum</i> Kiener.	California.
86	<i>punctulatum</i> Gray.	California.

Page.	Name.	Locality.
86	<i>Trichotropis costellatus</i> <i>Couth.</i>	Massachusetts bay.
87	<i>Buccinum Boysii</i> <i>Nutt.</i>	Upper California.
88	<i>Poulsoni</i> <i>Nutt.</i>	Upper California.
88	<i>serratum</i> <i>Dufr.</i>	California.
88	<i>trivittatum</i> <i>Say.</i>	New York.
89	<i>Terebra Petitii</i> <i>Kiener.</i>	South Carolina.
96	<i>Cypræa pustulata</i> <i>Lam.</i>	Mexico.
97	<i>Oliva buplicata</i> <i>Sowerby.</i>	California.
98	<i>undatella.</i>	California.

(Appendix. See, also, p. 64.)

Pa.	Pl.	Fig.	Name.	Locality.
112	i	8, 9	<i>Paludina scalaris</i> <i>Jay.</i>	Florida.
112	i	10, 11	<i>Lymnæa gracilis</i> <i>Jay.</i>	Essex Co., N. Y.
113	i	17, 18	<i>Trichotropis costellatus</i> <i>Couth.</i>	Mass. bay.
114	i	19, 20	<i>Nucula Portlandica</i> <i>Hitch.,</i> fossil.	Maine.
116	iii	7	<i>Ampullaria scalaris</i> <i>D'Orb.</i> <i>A. angulata</i> <i>Jay.</i>	Mexico.
118	v	1, 2	<i>Unio spinosus</i> <i>Lea.</i>	Georgia.
122	vii	11	<i>Melania læta</i> <i>Jay.</i>	Alabama.

**Bland.**—Facts and Principles relating to the Origin and Geographical Distribution of Mollusca: by THOS. BLAND, F. G. S. London. (From Am. Journal Science and Art, 2d series, vol. xiv, No. 42, pp. 389–404. November, 1852.)

**Lapham.**—Catalogue of the Mollusca of Wisconsin: by I. A. LAPHAM. (From Trans. Wis. State Agricultural Soc., vol. ii. Madison, Wis., 1852.) [Without descriptions.]

#### ORDER GASTEROPODA.

Page.		Page.	
367	<i>Ancylus rivularis</i> <i>Say.</i>	367	<i>Helix hirsutâ</i> <i>Say.</i>
367	<i>diaphanus</i> <i>Hald.</i>	367	<i>labyrinthica</i> <i>Say.</i>
367	<i>Vitrina pellucida</i> <i>Drap.</i>	367	<i>lineata</i> <i>Say.</i>
367	<i>Helix albolabris</i> <i>Say.</i>	367	<i>ligera</i> <i>Say.</i>
367	<i>alternata</i> <i>Say.</i>	367	<i>monodon</i> <i>Rackett.</i>
367	<i>arborea</i> <i>Say.</i>	367	<i>multilineata</i> <i>Say.</i>
367	<i>chersina</i> <i>Say.</i>	367	<i>perspectiva</i> <i>Say.</i>
367	<i>concava</i> <i>Say.</i>	367	<i>profunda</i> <i>Say.</i>
367	<i>fraterna</i> <i>Say.</i>	367	<i>porcina</i> <i>Say.</i>

Page.		Page.	
367	<b>Pupa armifera</b> Say.	368	<b>Limnea columella</b> Say.
367	<b>corticaria</b> Say.		<i>L. macrostoma</i> Say.
367	<b>ovata</b> Say.	368	<b>emarginata</b> Say.
	<i>P. modesta.</i>	368	<b>fragilis</b> Linn.
367	<b>Succinea obliqua</b> Say.		<i>L. elodes</i> Say.
367	<b>avara</b> Say.	368	<b>gracilis</b> Say.
368	<b>Bulimus lubricus</b> Brug.	368	<b>jugularis</b> Say.
368	<b>harpa</b> Pfeiffer.		<i>L. stagnalis</i> Kirtland.
	<i>Helix harpa</i> Say.	368	<b>megasoma</b> Say.
368	<b>Planorbis armigerus</b> Say.	368	<b>umbrosa</b> Say.
368	<b>bicarinatus</b> Say.	368	<b>Physa heterostropha</b> Say.
368	<b>campanulatus</b> Say.	368	<b>elongata</b> Say.
368	<b>corpulentus</b> Say.	368	<b>Paludina decisa</b> Say.
368	<b>deflectus</b> Say.	368	<b>isogona</b> Say.
368	<b>exacutus</b> Say.	368	<b>subglobosa</b> Say.
368	<b>parvus</b> Say.	368	<b>Amnicola limosa</b> Say.
368	<b>trivolvus</b> Say.	368	<b>lustrica</b> Say.
368	<b>Limnea caperata</b> Say.	368	<b>Melania depygis</b> Say.
	<i>L. umbilicata</i> Adams.	368	<b>elevata</b> Say.
368	<b>catascopium</b> Say.	368	<b>Valvata tricarinata</b> Say.
		368	<b>sincera</b> Say.

ORDER **ACEPHALA.**

369	<b>Unio bullatus</b> Raf.	369	<b>Unio nervosus</b> Raf.
	<i>U. pustulosus</i> Lea.		<i>U. zig-zag</i> Lea.
369	<b>cardium</b> Raf.		<i>donaciformis</i> Lea.
	<i>U. ventricosus</i> Barnes.	369	<b>olivarius</b> Raf.
369	<b>cariosus</b> Say.		<i>U. ellipsis</i> Lea.
369	<b>clava</b> Lam.	369	<b>parvus</b> Barnes.
	<i>U. mytiloides</i> Raf.	369	<b>prasinus</b> Conrad.
369	<b>dilatatus</b> Raf.		<i>U. Schoolcraftensis</i> Lea.
	<i>U. gibbosus</i> Barnes.	369	<b>radiatus</b> Lam.
369	<b>fasciolaris</b> Raf.	369	<b>rectus</b> Lam.
	<i>U. phaseolus</i> Hildreth.		<i>U. praelongus</i> Barnes.
	<i>mucronatus</i> Barnes.	369	<b>reflexus</b> Raf.
369	<b>fasciatus</b> Raf.		<i>U. cornutus</i> Barnes.
	<i>U. crassus</i> Barnes.	369	<b>subrostratus</b> Raf.
	<i>ellipticus</i> Barnes.		<i>U. iris</i> Lea.
	<i>carinatus</i> Barnes.	369	<b>trigonus</b> Lea.
369	<b>luteolus</b> Lam.	369	<b>truncatus</b> Raf.
	<i>U. siliquoides</i> Barnes.		<i>U. elegans</i> Lea.
	<i>instatus</i> Barnes.	369	<b>tuberculatus</b> Raf.
369	<b>metanevrus</b> Raf.		<i>U. verrucosus</i> Barnes.
	<i>U. nodosus</i> Barnes.	369	<b>undatus</b> Barnes.

Page.		Page.	
369	<b>Unio verrucosus</b> Raf. <i>U. tuberculatus</i> Barnes.	370	<b>Alasmodonta marginata</b> S.
369	<b>Metaptera alata</b> Conrad. <i>Unio alatus</i> Say.	370	<b>leptodon</b> Raf. <i>Unio planus</i> Barnes. <i>tenuissima</i> Lea.
369	<b>fragilis</b> Conrad. <i>Unio fragilis</i> Say. <i>gracilis</i> Barnes.	370	<b>Strophites calceolus</b> Conr. <i>Unio calceolus</i> Lea.
369	<b>Plectomerus plicatus</b> Conr. <i>Unio plicatus</i> Barnes.	370	<b>edentulus</b> Conrad. <i>Alasmodonta edentula</i> Say. <i>Anodonta edentula</i> DeKay.
370	<b>Complanaria complanata</b> <i>Conrad.</i> <i>Alasmodonta complanata</i> Barnes.	370	<b>Anodonta cataracta</b> Say. <i>A. fluviatilis</i> Lea.
370	<b>costata</b> Conrad. <i>Alasmodonta costata</i> Raf. <i>rugosa</i> Bar.	370	<b>declivis</b> Conrad. <i>A. plana</i> Lea.
370	<b>compressa</b> Conrad. <i>Symphynota compressa</i> Lea.	370	<b>Ferussaciana</b> Lea.
		370	<b>imbecilis</b> Say. <i>A. incerta</i> Lea.
		370	<b>Cyclas similis</b> Say.

**Lea.**—A Synopsis of the Family of Naiades: by ISAAC LEA, Member of the Amer. Phil. Soc., &c. Third edition, greatly enlarged and improved. Philadelphia, 1852.<sup>1</sup>

#### GENUS MARGARON.

##### Subgenus **Unio.**

Page.		Page.	
	(SYMPHYNOTE.)		
19	<b>Unio Nicklinianus</b> Lea.		<i>Lymnadia alata</i> Sowb.
19	<b>Boykinianus</b> Lea.	19	<b>Unio lævissimus</b> Lea. <i>Symph. lævissima</i> Lea. <i>U. lævissima</i> Deshayes.
19	<b>inflatus</b> Lea. <i>Symph. inflata</i> Lea. <i>U. Alabamensis</i> Conrad.	19	<b>gracilis</b> Barnes. <i>U. planus</i> Barnes. <i>fragilis</i> Swain. <i>Symph. gracilis</i> Lea.
19	<b>alatus</b> Say. <i>Mya alata</i> Wood. <i>Symph. alata</i> Lea.		

<sup>1</sup> There is also, in the marginal notes, much information regarding the synonymy which is not given in a shape convenient to embody in my extract. As no localities are given, I have taken only those species which are repeated by Mr. Lea in the North American sections of his geographical tables. Mr. Lea published three editions of this Synopsis, in the Transactions of the Philosophical Society (q. v.), in 1836 and in 1852. The last two now follow.—W. G. B.



Page.		Page.	
	<i>Metaptera gracilis</i> Stimp.	21	<b>Unio trapezoides</b> Lea.
19	<b>Unio pressus</b> Lea.		<i>U. crassidens</i> Lam. var. a.
	<i>Symph. compressa</i> Lea.		<i>interruptus</i> Say.
	<i>Complanaria alasmodon-</i>	21	<b>subtentus</b> Say.
	<i>tina</i> Stimpson.	21	<b>Conradicus</b> Lea.
	<i>U. compressus</i> Conrad.	21	<b>acutissimus</b> Lea.
19	<b>decoratus</b> Lea.		
19	<b>atromarginatus</b> Lea.		(b. <i>Nodulosus.</i> )
	(NON-SYMPHYNOTE.)	21	<b>lachrymosus</b> Lea.
	(a. <i>Plicate.</i> )	21	<b>asperrimus</b> Lea.
20	<b>multiplicatus</b> Lea.		<i>U. quadrulus</i> Say.
	<i>U. heros</i> Say.	21	<b>Rumphianus</b> Lea.
	<i>undulatus</i> Say.	22	<b>fragosus</b> Conrad.
20	<b>undulatus</b> Barnes.	22	<b>Phillipsii</b> Conrad.
	<i>U. costata?</i> Raf.	22	<b>Cincinnatiensis</b> Lea.
	<i>costatus</i> Conrad.	22	<b>pustulatus</b> Lea.
20	<b>perplicatus</b> Conrad.		<i>U. undulatus</i> Conrad.
20	<b>atrocostatus</b> Lea.	22	<b>Schoolcraftensis</b> Lea.
20	<b>plicatus</b> Lesueur.		<i>U. prasinus</i> Conrad.
	<i>U. Peruviana</i> Lam.		<i>nodiferus</i> Conrad.
	<i>rarplicata</i> Lam.	22	<b>apiculatus</b> Say.
	<i>Dombeyanus</i> Valen.	22	<b>asper</b> Lea.
	<i>undulata</i> Desh.	22	<b>Dorfeuillianus</b> Lea.
	<i>multiplicata</i> Desh.	22	<b>stapes</b> Lea.
	<i>crassus</i> Barnes.	22	<b>tuberosus</b> Lea.
	<i>undulatus</i> Conrad.	22	<b>sparsus</b> Lea.
20	<b>infucatus</b> Conrad.	22	<b>metanevrus</b> Raf.
	<i>U. securiformis</i> Conrad.		<i>U. nodosus</i> Barnes.
20	<b>Kleinianus</b> Lea.		<i>rugosus</i> Barnes.
20	<b>foliatus</b> Hild.		<i>Telederma metanevra</i> Sw.
	<i>U. flexuosa?</i> Raf.	22	<b>intermedius</b> Conrad.
	<i>U. flexuosus</i> Conrad.	22	<b>cornutus</b> Barnes.
	<i>foliatus</i> Conrad.		<i>U. reflexa?</i> Raf.
20	<b>cælatus</b> Conrad.		<i>reflexus</i> Conrad.
20	<b>Stewardsonii</b> Lea.	22	<b>pustulosus</b> Lea.
20	<b>pliciferus</b> Lea.		<i>U. verrucosus</i> Barnes.
	<i>U. carbonarius</i> Lea.		<i>verrucosa</i> Valen.
	<i>plexus</i> Conrad.		<i>verrucosus albus</i> Say.
20	<b>semigranosus</b> V. d. Busch.		<i>bullatus</i> Conrad.
21	<b>laticostatus</b> Lea.	22	<b>Keinerianus</b> Lea.
21	<b>hippopæus</b> Lea.	22	<b>turgidus</b> Lea.
21	<b>Sloatianus</b> Lea.		<i>U. Mortoni</i> Conrad.
	<i>U. plectoformis</i> Conrad.	22	<b>Cooperianus</b> Lea.

- | Page.    |                                  | Page. |                             |
|----------|----------------------------------|-------|-----------------------------|
| 22       | <b>Unio verrucosus</b> Barnes.   | 24    | <b>Unio penitus</b> Conrad. |
|          | <i>U. tuberculata</i> ? Raf.     | 24    | <b>Estabrookianus</b> Lea.  |
|          | <i>tuberculosa</i> Valen.        | 24    | <b>securis</b> Lea.         |
|          | <i>verrucosus purpureus</i>      |       | <i>U. depressa</i> (?) Raf. |
|          | Hild.                            |       | <i>lineolatus</i> Say.      |
|          | <i>tuberculatus</i> Conrad.      | 24    | <b>abacus</b> Hald.         |
| 22       | <b>graniferus</b> Lea.           | 24    | <b>camelus</b> Lea.         |
| (Errata) | <b>pernodosus</b> Lea.           | 24    | <b>compressissimus</b> Lea. |
| 22       | <b>irroratus</b> Lea.            | 24    | <b>ovatus</b> Say.          |
|          | <i>U. verrucosus albus</i> Hild. |       | <i>U. ventricosus</i> Desh. |
|          | <i>stegarius</i> Conrad.         |       | <i>subovatus</i> Desh.      |
| 22       | <b>caperatus</b> Lea.            |       | <i>occidens</i> Desh.       |
|          | <i>U. abacooides</i> Hald.       |       | <i>Æglia ovata</i> Swain.   |
| 23       | <b>dromas</b> Lea.               | 24    | <b>satur</b> Lea.           |
| 23       | <b>Lamarckianus</b> Lea.         | 24    | <b>subovatus</b> Lea.       |
| 23       | <b>Æsopus</b> Green.             | 24    | <b>crassidens</b> Lam.      |
|          | <i>U. cicatricosus</i> Conrad.   |       | <i>U. cuneatus</i> Barnes.  |
|          | <i>varicosus</i> Conrad.         |       | <i>niger</i> ? Raf.         |
|          | <i>cyphius</i> Conrad.           |       | <i>niger</i> Conrad.        |
| 23       | <b>varicosus</b> Lea.            | 24    | <b>incrassatus</b> Lea.     |
|          | <i>U. cicatricosus</i> ? Say.    | 24    | <b>Forbesianus</b> Lea.     |
|          | <i>cicatricosus</i> Conrad.      | 24    | <b>gibber</b> Lea.          |
| 23       | <b>perplexus</b> Lea.            | 24    | <b>pumilis</b> Lea.         |
|          | <i>U. gibbosus</i> ? Raf.        | 24    | <b>rubiginosus</b> Lea.     |
|          | <i>gibbosus</i> Conrad.          |       | <i>U. flavus</i> Conrad.    |
| 23       | <b>tuberculatus</b> Barnes.      |       | <i>cerinus</i> Conrad.      |
|          | <i>U. pustulata</i> Swain.       | 24    | <b>Bigbyensis</b> Lea.      |
| 23       | <b>cylindricus</b> Say.          | 24    | <b>maculatus</b> Conrad.    |
|          | <i>U. naviformis</i> Lam.        | 24    | <b>Barnesianus</b> Lea.     |
|          | (c. <i>Spinous</i> .)            | 24    | <b>cuneolus</b> Lea.        |
| 23       | <b>spinous</b> Lea.              | 24    | <b>pileus</b> Lea.          |
| 23       | <b>collinus</b> Conrad.          | 25    | <b>Sowerbianus</b> Lea.     |
|          | (d. <i>Smooth</i> .)             | 25    | <b>trigonus</b> Lea.        |
| 23       | <b>arcæformis</b> Lea.           | 25    | <b>cyrenoides</b> Phil.     |
|          | <i>U. nexus</i> Say.             | 25    | <b>Holstonensis</b> Lea.    |
| 23       | <b>triangularis</b> Barnes.      | 25    | <b>tumescens</b> Lea.       |
|          | <i>U. formosus</i> Lea.          | 25    | <b>fulgidus</b> Lea.        |
|          | <i>cuneatus</i> Swain.           | 25    | <b>solidus</b> Lea.         |
| 23       | <b>Foremanianus</b> Lea.         | 25    | <b>obliquus</b> Lam.        |
| 23       | <b>elegans</b> Lea.              |       | <i>U. undatus</i> Barnes.   |
|          | <i>U. truncatus</i> Say.         |       | <i>trigonus</i> Say.        |
| 24       | <b>donaciformis</b> Lea.         |       | <i>mytiloides</i> Eat.      |
| 24       | <b>zigzag</b> Lea.               |       | <i>undulatus</i> Desh.      |
| 24       | <b>heterodon</b> Lea.            |       | <i>cordatus</i> ? Raf.      |
|          |                                  |       | <i>cordatus</i> Conrad.     |
|          |                                  |       | <i>cardiacea</i> Guérin.    |

Page.		Page.	
25	<b>Unio plenus</b> <i>Lea.</i>	26	<b>Unio occidentens</b> <i>Lea.</i>
25	<b>pyramidatus</b> <i>Lea.</i>		<i>U. ventricosus</i> Say.
	<i>U. rubra?</i> Raf.		<i>lenis</i> (junior) Conrad.
	<i>mytiloides</i> Conrad.		<i>cardium</i> Conrad.
	<i>cardiacea</i> Desh.	27	<b>lineatus</b> <i>Lea.</i>
25	<b>Bournianus</b> <i>Lea.</i>	27	<b>dolabræformis</b> <i>Lea.</i>
25	<b>Edgarianus</b> <i>Lea.</i>	27	<b>capax</b> Green.
25	<b>mytiloides</b> Raf.		<i>Symph. globosa</i> Lea.
	<i>Mya obliqua</i> Wood.	27	<b>splendidus</b> <i>Lea.</i>
	<i>Uniopsis mytiloides</i> Swain.	27	<b>ochraceus</b> Say.
25	<b>Troostensis</b> <i>Lea.</i>		<i>Symph. ochracea</i> Lea.
	<i>U. trabilis</i> Conrad.		<i>U. rosaceus</i> Conrad.
25	<b>trossulus</b> <i>Lea.</i>		<i>Lampsilis ochracea</i> Stimp.
25	<b>Taitianus</b> <i>Lea.</i>	27	<b>stagnalis</b> Conrad.
25	<b>cor</b> Conrad.		<i>U. Ogecheensis</i> Conrad.
26	<b>Hanleyianus</b> <i>Lea.</i>	27	<b>Clarkianus</b> <i>Lea.</i>
26	<b>decisus</b> <i>Lea.</i>	27	<b>crocatus</b> <i>Lea.</i>
26	<b>clavus</b> Lam.	27	<b>affinis</b> <i>Lea.</i>
	<i>U. scalenia</i>	27	<b>cariosus</b> Say.
	<i>modioliformis</i> Say.		<i>U. cariosa</i> Lam.
26	<b>patulus</b> <i>Lea.</i>		<i>ovata</i> Valen.
26	<b>oviformis</b> Conrad.		<i>luteola</i> Conrad.
26	<b>argenteus</b> <i>Lea.</i>		<i>oratus</i> Conrad.
26	<b>Ravenelianus</b> <i>Lea.</i>		<i>Lampsilis cariosa</i> Stimp.
	<i>U. rudis</i> Conrad.	27	<b>Georgianus</b> <i>Lea.</i>
26	<b>Troschelianus</b> <i>Lea.</i>	27	<b>perovatus</b> Conrad.
26	<b>strictus</b> <i>Lea.</i>	27	<b>altilis</b> Conrad.
26	<b>Rangianus</b> <i>Lea.</i>	27	<b>multiradiatus</b> <i>Lea.</i>
	<i>U. gibbosus</i> Küst.		<i>U. fasciola?</i> Raf.
26	<b>sulcatus</b> <i>Lea.</i>		<i>fasciolus</i> Conrad.
	<i>U. ridibundus</i> Say.		<i>ligamentina</i> Desh.
26	<b>Haysianus</b> <i>Lea.</i>	27	<b>Novi-Eboraci</b> <i>Lea.</i>
26	<b>ellipsis</b> <i>Lea.</i>	27	<b>saxeus</b> Conrad.
	<i>U. brevisalis?</i> Sowb.	27	<b>perovalis</b> Conrad.
26	<b>castaneus</b> <i>Lea.</i>	27	<b>capsæformis</b> <i>Lea.</i>
26	<b>pulvinulus</b> <i>Lea.</i>	27	<b>Greenii</b> Conrad.
26	<b>Tampicoensis</b> <i>Lea.</i>	27	<b>pictus</b> <i>Lea.</i>
26	<b>Lecontianus</b> <i>Lea.</i>	27	<b>pallescens</b> <i>Lea.</i>
	<i>U. contrarius</i> Conrad.	27	<b>Tennesseensis</b> <i>Lea.</i>
26	<b>hebes</b> <i>Lea.</i>	27	<b>simplex</b> <i>Lea.</i>
26	<b>perdix</b> <i>Lea.</i>	27	<b>flavescens</b> <i>Lea.</i>
	<i>U. pectorosus</i> Conrad.	27	<b>interruptus</b> <i>Lea.</i>
26	<b>ventricosus</b> Barnes.		<i>U. tenuatus?</i> Conrad.
	<i>U. radiatus</i> Hild.		<i>latiradiatus</i> Conrad.
	<i>Lampsilis ventricosa</i> Stimp.		

Page.

- 27 **Unio Menkianus** *Lea.*  
 27 **Stonensis** *Lea.*  
 27 **venustus** *Lea.*  
 27 **exiguus** *Lea.*  
 27 **Tecomatensis** *Lea.*  
 28 **spatulatus** *Lea.*  
 28 **ligamentinus** *Lam.*  
     *U. crassus* Say.  
     *ellipticus* Barnes.  
     *carinatus* Barnes.  
     *Mya gravis* Wood.  
     *U. fasciatus* Conrad.  
 28 **orbiculatus** *Hild.*  
     *U. abruptus* Say.  
     *crassus* Conrad.  
 28 **Hydianus** *Lea.*  
 28 **approximus** *Lea.*  
 28 **Claibornensis** *Lea.*  
 28 **Powellii** *Lea.*  
 28 **Reeveianus** *Lea.*  
 28 **luteolus** *Lam.*  
     *U. siliquoides* Barnes.  
     *inflatus* Barnes.  
     *melinus* Conrad.  
     *rosaceus* De Kay.  
     *Lampsilis siliquoides* St.  
 28 **stramineus** *Conrad.*  
 28 **aratus** *Lea.*  
 28 **pulcher** *Lea.*  
 28 **tener** *Lea.*  
 29 **Prevostianus** *Lea.*  
 29 **radiatus** *Lam.*  
     *U. Virginiana* Lam.  
     *Mya radiata* Gmel.  
     *oblongata* Wood.  
     *pictorum tenuis* Chem.  
     *Lampsilis radiata* Stimp.  
 29 **regularis** *Lea.*  
 29 **amcenus** *Lea.*  
 29 **Sapotalensis** *Lea.*  
 29 **Oregonensis** *Lea.*  
 29 **Medellinus** *Lea.*  
 29 **notatus** *Lea.*  
 29 **subangulatus** *Lea.*  
 29 **Vanuxemensis** *Lea.*

Page.

- 29 **Unio Nashvillianus** *Lea.*  
 29 **Mississippiensis** *Conrad.*  
 29 **Zeiglerianus** *Lea.*  
 29 **lienosis** *Conrad.*  
 29 **constrictus** *Conrad.*  
 29 **placitus** *Lea.*  
 29 **buxeus** *Lea.*  
 29 **concavus** *Lea.*  
 29 **obscurus** *Lea.*  
 29 **proximus** *Lea.*  
 29 **nitens** *Lea.*  
 29 **Gouldii** *Lea.*  
 29 **Moussonianus** *Lea.*  
 29 **Monroensis** *Lea.*  
 29 **caliginosus** *Lea.*  
 29 **Binneyi** *Lea.*  
 30 **Bucklyi** *Lea.*  
 30 **fuscatus** *Lea.*  
 30 **occultus** *Lea.*  
 30 **luridus** *Lea.*  
 30 **nigellus** *Lea.*  
 30 **Cumberlandianus** *Lea.*  
     *U. Cumberlandicus* Chenu.  
 30 **vibex** *Conrad.*  
 30 **Muhlfeldianus** *Lea.*  
 31 **creperus** *Lea.*  
 31 **glaber** *Lea.*  
 31 **fabalis** *Lea.*  
     *U. capillus* Say.  
     *lapillus* Say.  
 31 **paulus** *Lea.*  
 31 **pusillus** *Lea.*  
 31 **parvus** *Barnes.*  
 31 **Haleianus** *Lea.*  
 31 **nigerrimus** *Lea.*  
 31 **minor** *Lea.*  
 31 **glans** *Lea.*  
 31 **nux** *Lea.*  
 31 **Brumbyanus** *Lea.*  
 31 **mæstus** *Lea.*  
 31 **pullus** *Conrad.*  
 31 **ineptus** *Lea.*  
 31 **discus** *Lea.*  
     *U. Panacoensis* V. d. Busch.  
 31 **simus** *Lea.*

Page.		Page.	
32	<b>Unio brevidens</b> Lea.	33	<b>Unio fulvus</b> Lea.
	<i>U. interruptus</i> Conrad.		<i>U. icterinus</i> Conrad.
32	<b>tetralasmus</b> Say.	33	<b>rufusculus</b> Lea.
32	<b>camptodon</b> Say.	33	<b>Gibbesianus</b> Lea.
	<i>U. declivis</i> Conrad.	33	<b>sordidus</b> Lea.
	<i>Sayii</i> Tappan.	33	<b>Dariensis</b> Lea.
	<i>rhomboidius</i> Ward, MS.	33	<b>Congaræus</b> Lea.
32	<b>obesus</b> Lea.	33	<b>neglectus</b> Lea.
32	<b>Hopetonensis</b> Lea.	33	<b>subplanus</b> Conrad.
32	<b>fraternus</b> Lea.	33	<b>declivis</b> Say.
32	<b>Cuverianus</b> Lea.		<i>U. geometricus</i> Lea.
32	<b>Roanokensis</b> Lea.		<i>excultus</i> Conrad.
32	<b>jejunus</b> Lea.	33	<b>paludicolus</b> Gould.
32	<b>complanatus</b> Lea.	33	<b>Blandingianus</b> Lea.
	<i>Mya complanata</i> Soland.	34	<b>famelicus</b> Gould.
	<i>rigida</i> Wood.	34	<b>circulus</b> Lea.
	<i>U. violaceus</i> Spangler.		<i>Mya rotunda?</i> Wood.
	<i>purpureus</i> Say.	34	<b>lens</b> Lea.
	<i>rarisulcata</i> Lam.	34	<b>unicolor</b> Lea.
	<i>coarctata</i> Lam.	34	<b>rubellus</b> Conrad.
	<i>purpurascens</i> Lam.	34	<b>Masoni</b> Conrad.
	<i>rhombula</i> Lam.	34	<b>rotundatus</b> Lam.
	<i>carinifera</i> Lam.		<i>U. suborbiculata</i> Lam.
	<i>Georgina</i> Lam.		<i>glebulus</i> Say.
	<i>glabrata</i> Lam.		<i>subglobosus</i> Lea.
	<i>sulcidens</i> Lam.	35	<b>personatus</b> Say.
	<i>fluvialilis</i> Green.		<i>U. capillaris</i> Lea.
	<i>subinflata</i> Conrad.	35	<b>retusus</b> Lam.
	<i>planilaterus</i> Conrad.		<i>U. torsa</i> Raf.
32	<b>symmetricus</b> Lea.		<i>obtusa</i> Cuvier.
32	<b>limatulus</b> Conrad.		<i>cordatus</i> (fem.) Küst.
32	<b>Buddianus</b> Lea.	35	<b>ebenus</b> Lea.
33	<b>Griffithianus</b> Lea.		<i>U. mytiloides</i> Conrad.
33	<b>confertus</b> Lea.		<i>obliquus</i> Conrad.
33	<b>Geddingsianus</b> Lea.		<i>Gouldianus</i> Ward.
33	<b>Whiteianus</b> Lea.	35	<b>Lesuerianus</b> Lea.
33	<b>fuliginosus</b> Lea.	35	<b>nucleopsis</b> Conrad.
33	<b>paliatus</b> Ravenel's letter.	35	<b>Kirtlandianus</b> Lea.
33	<b>Tuomeyi</b> Lea.	35	<b>pilaris</b> Lea.
33	<b>callosus</b> Lea.	35	<b>dollabelloides</b> Lea.
33	<b>tortivus</b> Lea.	35	<b>subrotundus</b> Lea.
33	<b>occidentalis</b> Conrad.		<i>U. politus?</i> Say.
33	<b>Watereensis</b> Lea.		<i>brevialis?</i> Crouch.
	<i>U. Raveneli</i> Conrad.		<i>politus</i> Conrad.

- | Page. |  | Page. |   |
|-------|--|-------|---|
| 35    | <b>Unio coccineus</b> <i>Lea.</i><br><i>U. coccineus</i> Hildreth's<br>letter, Conrad.<br><i>catillus</i> Conrad.<br><i>cuneus?</i> Conrad.  | 38    | <b>Unio phaseolus</b> <i>Hild.</i><br><i>U. planulatus</i> <i>Lea.</i><br><i>cuneatus</i> <i>Barnes.</i>  |
| 35    | <b>Shepardianus</b> <i>Lea.</i>  | 38    | <b>arcus</b> <i>Conrad.</i>   |
| 35    | <b>Duttonianus</b> <i>Lea.</i>   | 38    | <b>arctatus</b> <i>Conrad.</i>  |
| 35    | <b>folliculatus</b> <i>Lea.</i>  | 38    | <b>gibbosus</b> <i>Barnes.</i><br><i>U. mucronatus</i> <i>Barnes.</i><br><i>nasuta</i> <i>Lam.</i><br><i>dilatata?</i> <i>Raf.</i><br><i>dilatatus</i> <i>Conrad.</i> |
| 35    | <b>rectus</b> <i>Lam.</i><br><i>U. praelongus</i> <i>Barnes.</i><br><i>recta</i> <i>Valen.</i><br><i>Sageri</i> <i>Conrad.</i><br><i>Mya praelonga</i> <i>Wood.</i><br><i>Eurynea praelonga</i> <i>Stimp.</i>    | 38    | <b>arctior</b> <i>Lea.</i>  |
| 36    | <b>strigosus</b> <i>Lea.</i>   | 38    | <b>Vaughanianus</b> <i>Lea.</i><br><i>U. Carolinensis</i> <i>Rav. let.</i>  |
| 36    | <b>perstriatus</b> <i>Lea.</i>   | 38    | <b>purpuratus</b> <i>Lam.</i><br><i>Mya ventricosa</i> <i>Solan.</i><br><i>U. ater</i> <i>Lea.</i><br><i>lugubris</i> <i>Say.</i><br><i>Poulsoni</i> <i>Conrad.</i>   |
| 36    | <b>angustatus</b> <i>Lea.</i>  | 38    | <b>biangulatus</b> <i>Lea.</i>  |
| 36    | <b>dactylus</b> <i>Lea.</i>  | 38    | <b>cuprinus</b> <i>Lea.</i><br><i>U. metallicus</i> <i>Say.</i>   |
| 36    | <b>lanceolatus</b> <i>Lea.</i>   | 38    | <b>papyraceus</b> <i>Gould.</i>   |
| 36    | <b>anodontoides</b> <i>Lea.</i><br><i>U. teres?</i> <i>Raf.</i><br><i>teres</i> <i>Conrad.</i>   | 38    | <b>Boydianus</b> <i>Lea.</i>  |
| 37    | <b>productus</b> <i>Conrad.</i>  | 39    | <b>modioliformis</b> <i>Lea.</i><br><i>U. delumbis</i> <i>Conrad.</i>   |
| 37    | <b>sagittiformis</b> <i>Lea.</i>   | 39    | <b>Floridensis</b> <i>Lea.</i>  |
| 37    | <b>nasutus</b> <i>Say.</i><br><i>U. rostratus</i> <i>Valen.</i><br><i>Mya nasuta</i> <i>Wood.</i><br><i>U. subrostratus?</i> <i>Say.</i><br><i>Eurynea nasuta</i> <i>Stimp.</i>                                  | 39    | <b>tenerus</b> <i>Rav.</i><br><i>U. tenebrosus</i> <i>Conrad.</i>   |
| 37    | <b>Barrattii</b> <i>Lea.</i>   | 39    | <b>pellucidus</b> <i>Lea.</i>   |
| 37    | <b>Fisherianus</b> <i>Lea.</i>   | 39    | <b>amygdalum</b> <i>Lea.</i>  |
| 37    | <b>aheneus</b> <i>Lea.</i>   | 39    | <b>lenior</b> <i>Lea.</i>   |
| 37    | <b>Jayensis</b> <i>Lea.</i>  | 39    | <b>hyalinus</b> <i>Lea.</i>   |
| 38    | <b>lugubris</b> <i>Lea.</i>  | 39    | <b>nigrinus</b> <i>Lea.</i>   |
| 38    | <b>iris</b> <i>Lea.</i><br><i>U. nebulosus</i> <i>Conrad.</i>  | 39    | <b>Tappanianus</b> <i>Lea.</i><br><i>U. viridis</i> <i>Conrad.</i>  |
| 38    | <b>fatuus</b> <i>Lea.</i>  | 39    | <b>contradens</b> <i>Lea.</i>   |
| 38    | <b>tenuissimus</b> <i>Lea.</i><br><i>Symph. tenuissima</i> <i>Lea.</i><br><i>An. purpurascens</i> <i>Swain.</i><br><i>U. velum</i> <i>Say.</i><br><i>leptodon</i> <i>Conrad.</i><br><i>planus</i> <i>Conrad.</i> | 39    | <b>obtusus</b> <i>Lea.</i>  |
|       |  | 39    | <b>monodontus</b> <i>Say.</i><br><i>U. soleniformis</i> <i>Lea.</i>   |
|       |  | 39    | <b>Lazarus</b> <i>Lea.</i>  |

[Here follows a list of species with which the author is unacquainted. No habitats being given, I cannot be sure of any being American, but presume the following to be so.—W. G. B.]

Page.		Page.	
39	<b>Unio Aberti</b> Conrad.	40	<b>Unio parallelus</b> Conrad.
40	<b>furvus</b> Conrad.	40	<b>Pequottinus</b> Linsl.
40	<b>metastriatus</b> Conrad.	40	<b>puniceus</b> Hald.
40	<b>Mexicanus</b> Phil.	40	<b>purpurarius</b> Say.
<b>Subgenus Margaritana.</b>			
	(SYMPHYNOTE.)	42	<b>Margaritana undulata</b> Lea.
	(a. <i>Plicate.</i> )		<i>Alas. undulata</i> Say.
42	<b>Margaritana complanata</b> Lea.		<i>sculptilis</i> (jun.) Say.
	<i>Alas. complanata</i> Barnes.		<i>Strophitus sculptilis</i> Stim.
	<i>Symph. complanata</i> Lea.		<i>Mya undulata</i> Wood.
	<i>Unio complanata</i> Desh.		<i>Unio hians</i> Valen.
	<i>Katherina</i> Lea.		<i>glabratus</i> Sowb.
	(NON-SYMPHYNOTE.)	42	<b>Raveneliana</b> Lea.
	(a. <i>Plicate.</i> )	43	<b>radiata</b> Lea.
42	<b>confragosa</b> Lea.		<i>Alas. radiata</i> Conrad.
	<i>Alas. confragosa</i> Say.		<i>Uniopsis radiata?</i> Swain.
	<i>Unio confragosa</i> Desh.	43	<b>calceola</b> Lea.
42	<b>arcula</b> Lea.		<i>Unio calceolus</i> Lea.
42	<b>marginata</b> Lea.		<i>Alds. marginata</i> Say.
	<i>Alas. marginata</i> Say.		<i>truncata</i> Conrad.
	<i>truncata</i> Say.	43	<b>Hildrethiana</b> Lea.
	<i>Unio cariosa</i> Lam. (var. 2)		<i>Unio Hildrethianus</i> Lea.
	<i>varicosa</i> Lam.		<i>Alas. ambigua?</i> Say.
	<i>calceolus</i> Say.	43	<b>dehiscens</b> Lea.
	<i>Mya regulosa</i> Wood.		<i>Unio dehiscens</i> Say.
	<i>Alas. corrugata</i> De Kay.		<i>oriens</i> Lea.
42	<b>rugosa</b> Lea.	43	<b>margaritifera</b> Lea.
	<i>Alas. rugosa</i> Barnes.		<i>M. fluviatilis</i> Schum.
	<i>abducta</i> Say.		<i>arcuata</i> Stimpson.
	<i>Complanaria rugosa</i> Stim.		<i>Unio Carolinianus</i> Bosc.
	(b. <i>Smooth.</i> )		<i>Alas. arcuata</i> Barnes.
42	<b>deltoidea</b> Lea.		<i>fulcata</i> Gould.
42	<b>minor</b> Lea.	44	<b>Holstonia</b> Lea.
42	<b>Curreyana</b> Lea.	44	<b>fabula</b> Lea.
			(Unknown.)
		44	<b>Etowaensis</b> Conrad.
<b>Subgenus Anodonta.</b>			
	(SYMPHYNOTE.)	47	<b>Anodonta Benedictensis</b> Lea.
	(a. <i>Smooth.</i> )		<i>Symph. Benedictensis</i> Lea.
47	<b>Anodonta Wahlamatensis</b>		<i>A. cultratus</i> Gould.
	Lea.	47	<b>Nuttalliana</b> Lea.

Page.		Page.	
47	<b>Anodonta Californiensis</b> <i>Lea.</i> (NON-SYMPHYNOTE.) (b. <i>Smooth.</i> )	50	<b>Anodonta fluviatilis</b> <i>Lea.</i> <i>Myt. fluviatilis</i> Dill. <i>illitus</i> Soland?
49	<b>Oregonensis</b> <i>Lea.</i> <i>A. cognata</i> Gould.		<i>A. cataracta</i> Say. <i>marginata</i> Say. <i>teres</i> Conrad. <i>Unio cataracta</i> Desh.
49	<b>Pepiniana</b> <i>Lea.</i>	50	<b>opaca</b> <i>Lea.</i>
49	<b>fragilis</b> <i>Lam.</i>	50	<b>Arkansensis</b> <i>Lea.</i>
49	<b>Footiana</b> <i>Lea.</i>	50	<b>glauca</b> <i>Valen.</i> <i>A. glauca</i> Lam. <i>ovatus</i> Swain.
49	<b>undulata</b> <i>Say.</i> <i>Anodon rugosus</i> Swain. <i>Anodonta Pennsylvanica</i> <i>Lam.</i>	50	<b>ovata</b> <i>Lea.</i>
	<i>Unio undulata</i> Desh. <i>Alas. marginata</i> Küst. <i>Strophitus undulatus</i> Stim.	50	<b>plana</b> <i>Lea.</i> <i>A. declivis</i> Conrad.
49	<b>Wardiana</b> <i>Lea.</i> <i>A. virgata</i> Conrad.	50	<b>decora</b> <i>Lea.</i>
49	<b>edentula</b> <i>Lea.</i> <i>Alas. edentula</i> Say. <i>An. areolatus</i> Swain. <i>unadilla</i> De Kay.	50	<b>Harpethensis</b> <i>Lea.</i>
50	<b>pavonia</b> <i>Lea.</i>	50	<b>gigantea</b> <i>Lea.</i>
50	<b>Ferussaciana</b> <i>Lea.</i> <i>Alas. Ferussaciana</i> Küst.	50	<b>subvexa</b> <i>Conrad.</i>
50	<b>denigrata</b> <i>Lea.</i>	51	<b>Stewartiana</b> <i>Lea.</i>
50	<b>oblita</b> <i>Lea.</i>	51	<b>virens</b> <i>Lea.</i>
50	<b>argentea</b> <i>Lea.</i>	51	<b>gibbosa</b> <i>Say.</i> <i>A. inflata</i> Major Leconte's cabinet.
50	<b>ferruginea</b> <i>Lea.</i>	51	<b>Couperiana</b> <i>Lea.</i>
50	<b>salmonia</b> <i>Lea.</i>	51	<b>grandis</b> <i>Say.</i> <i>A. corpulenta</i> Coop.
50	<b>imbecillis</b> <i>Say.</i> <i>A. incerta</i> <i>Lea.</i>	51	<b>tetragona</b> <i>Lea.</i>
50	<b>implicata</b> <i>Say.</i> <i>A. Newtonensis</i> <i>Lea.</i> <i>excurvata</i> De Kay.	51	<b>Shaefferiana</b> <i>Lea.</i>
		51	<b>suborbiculata</b> <i>Say.</i>
		51	<b>Linnæana</b> <i>Lea.</i>
		51	<b>cylindræa</b> <i>Lea.</i>
		51	<b>subcylindræa</b> <i>Lea.</i>
		51	<b>Buchanensis</b> <i>Lea.</i>
		52	<b>angulata</b> <i>Lea.</i> <i>A. feminalis.</i>

[I presume the following to be the only American species in the list of those unknown to the author.—W. G. B.]

Page.		Page.	
53	<b>Anodonta impura</b> <i>Say.</i>	53	<b>Anodonta placitus</b> <i>Hald.</i>
53	<b>lugubris</b> <i>Say.</i>		



[The following species of Rafinesque are omitted by Mr. Lea from his Synopsis, he not having been able to determine them. I give them all, not knowing if any foreign species are included.—W. G. B.]

Page.		Page.	
57	<b>Alasmodonta atropurpureum</b> Raf.?	57	<b>Unio depressa</b> Raf.?
	<i>ref.?</i>	57	<b>diploderma</b> Raf.?
57	<b>badium</b> Raf.?	57	<b>diaphanus</b> Raf.?
57	<b>costata</b> Raf.?	57	<b>dilatata</b> Raf.?
57	<b>hians</b> Raf.?	57	<b>ellipsaria</b> Raf.?
57	<b>ponderosum</b> Raf.?	57	<b>elliptica</b> Raf.?
57	<b>papyraceum</b> Raf.?	57	<b>fasciata</b> Raf.?
57	<b>rugosum</b> Raf.?	57	<b>fulvus</b> Raf.?
57	<b>sulcatum</b> Raf.?	57	<b>fontinalis</b> Raf.?
57	<b>scriptum</b> Raf.?	57	<b>fulgens</b> Raf.?
57	<b>viridis</b> Raf.?	57	<b>fasciola</b> Raf.?
57	<b>Anodonta atra</b> Raf.?	57	<b>fasciolaris</b> Raf.?
57	<b>aperta</b> Raf.?	57	<b>flava</b> Raf.?
57	<b>cuneata</b> Raf.?	57	<b>flexuosa</b> Raf.?
57	<b>digonota</b> Raf.?	57	<b>flexus</b> Raf.?
57	<b>inflata</b> Raf.?	57	<b>fragilis</b> Raf.?
57	<b>lata</b> Raf.?	57	<b>gibbosa</b> Raf.?
57	<b>Ohiensis</b> Raf.?	57	<b>granulatus</b> Raf.?
57	<b>solenoides</b> Raf.?	57	<b>interrupta</b> Raf.?
57	<b>Unio atrosia</b> Raf.?	57	<b>lateralis</b> Raf.?
57	<b>atroviolacea</b> Raf.?	57	<b>latissima</b> Raf.?
57	<b>argyratus</b> Raf.?	57	<b>leptodon</b> Raf.?
57	<b>attenuata</b> Raf.?	57	<b>lævigata</b> Raf.?
57	<b>aurata</b> Raf.?	57	<b>lamobrachys</b> Raf.?
57	<b>bicolor</b> Raf.?	57	<b>lineolata</b> Raf.?
57	<b>bullata</b> Raf.?	57	<b>lividus</b> Raf.?
57	<b>biloba</b> Raf.?	57	<b>megaptera</b> Raf.?
57	<b>cardium</b> Raf.?	58	<b>montanus</b> Raf.?
57	<b>Cliffordiana</b> Raf.?	58	<b>melaplata</b> Raf.?
57	<b>calendis</b> Raf.?	58	<b>nervosa</b> Raf.?
57	<b>chloris</b> Raf.?	58	<b>nigra</b> Raf.?
57	<b>castaneus</b> Raf.?	58	<b>nodulata</b> Raf.?
57	<b>costata</b> Raf.?	58	<b>obliquata</b> Raf.?
57	<b>crassa</b> Raf.?	58	<b>obovalis</b> Raf.?
57	<b>cinerescens</b> Raf.?	58	<b>olivaria</b> Raf.?
57	<b>cordata</b> Raf.?	58	<b>ovata</b> Raf.?
57	<b>cuneata</b> Raf.?	58	<b>Paphos</b> Raf.?
57	<b>cyclips</b> Raf.?	58	<b>pachostea</b> Raf.?
57	<b>cuprea</b> Raf.?	58	<b>ponderosus</b> Raf.?
57	<b>cyphia</b> Raf.?	58	<b>pallida</b> Raf.?
57	<b>decorticata</b> Raf.?	58	<b>plateolus</b> Raf.?

Page.		Page.	
58	<b>Unio pusella</b> Raf.?	58	<b>Unio teres</b> Raf.?
58	<b>pallens</b> Raf.?	58	<b>triangularis</b> Raf.?
58	<b>perplexus</b> Raf.?	58	<b>triqueter</b> Raf.?
58	<b>quadrula</b> Raf.?	58	<b>truncata</b> Raf.?
58	<b>reflexa</b> Raf.?	58	<b>tuberculata</b> Raf.?
58	<b>retusa</b> Raf.?	58	<b>verrucosa</b> Raf.?
58	<b>rimosus</b> Raf.?	58	<b>viridis</b> Raf.?
58	<b>rosea</b> Raf.?	58	<b>vittatus</b> Raf.?
58	<b>rivularis</b> Raf.?	58	<b>Venus</b> Raf.?
58	<b>stegaria</b> Raf.?	58	<b>zonalis</b> Raf.?
58	<b>sintoxia</b> Raf.?	58	<b>Odatelia radiata</b> Raf.?
58	<b>sinuata</b> Raf.?	58	<b>Lasmonos fragalis</b> Raf.?
58	<b>solenoides</b> Raf.?	58	<b>Diplasma marginatæ</b> Raf.?
58	<b>striata</b> Raf.?	58	<b>similis</b> Raf.?
58	<b>subrotunda</b> Raf.?	58	<b>vitrea</b> Raf.?
58	<b>torulosa</b> Raf.?	58	<b>striata</b> Raf.?
58	<b>teneltus</b> Raf.?		

**Lea.**—Synopsis, &c. Second edition, 1836. With a frontispiece of **Unio spinosus**.

GENUS **MARGARITA**.

Subgenus **Unio**.

Page.		Page.	
	(SYMPHYNOTE.)		
	(b. <i>Smooth</i> .)		
11	<b>Unio inflatus</b> Lea.	12	<b>Unio cœlatus</b> Conrad.
	<i>Symph. inflata</i> Lea.	12	<b>multiplicatus</b> Lea.
11	<b>alatus</b> Say.		<i>U. heros</i> Say.
	<i>U. alatus</i> Say.		<i>undulatus</i> Say.
	<i>Mya alata</i> Wood.	12	<b>undulatus</b> Barnes.
	<i>Symph. alata</i> Lea.		<i>U. costata?</i> Raf.
11	<b>lævissimus</b> Lea.		<i>costatus</i> Conrad.
	<i>Symph. lævissima</i> Lea.	12	<b>plicatus</b> Lesueur.
	<i>U. lævissima</i> Deshayes.		<i>U. Peruviana</i> Lam.
11	<b>gracilis</b> Barnes.		<i>rariPLICATA</i> Lam.
	<i>U. planus</i> Barnes.		<i>Dombeyanus</i> Valen.
	<i>fragilis</i> Swain.		<i>undulata</i> Desh.
	<i>Symph. gracilis</i> Lea.		<i>multiplicata</i> Desh.
11	<b>compressus</b> Lea.	12	<b>trapezoides</b> Lea.
	<i>Symph. compressa</i> Lea.		<i>U. crassidens</i> Lam., var. a.
	(NON-SYMPHYNOTE.)		<i>interruptus</i> Say.
	(a. <i>Plicate</i> .)	13	<b>foliatus</b> Hild.
12	<b>Nicklinianus</b> Lea.		<i>U. flexuosa?</i> Raf.
			<i>flexuosus</i> Conrad.
			<i>foliatus</i> Conrad.

Page.		Page.	
13	<b>Unio pliciferus</b> <i>Lea.</i>	17	<b>Unio varicosus</b> <i>Lea.</i>
13	<i>subtentus</i> <i>Say.</i>		<i>U. cicatricosus?</i> <i>Say.</i>
13	<b>Conradicus</b> <i>Lea.</i>	17	<b>perplexus</b> <i>Lea.</i>
14	<b>acutissimus</b> <i>Lea.</i>		<i>U. gibbosus?</i> <i>Raf.</i>
	(b. <i>Nodulosus.</i> )		<i>gibbosus</i> <i>Conrad.</i>
14	<b>lachrymosus</b> <i>Lea.</i>	17	<b>tuberculatus</b> <i>Barnes.</i>
14	<b>asperrimus</b> <i>Lea.</i>	17	<b>cylindricus</b> <i>Say.</i>
	<i>U. quadrulus</i> <i>Say.</i>		<i>U. naviformis</i> <i>Lam.</i>
14	<b>fragrosus</b> <i>Conrad.</i>		(c. <i>Spinosus.</i> )
15	<b>Phillipsii</b> <i>Conrad.</i>	17	<b>spinosus</b> <i>Lea.</i>
15	<b>pustulatus</b> <i>Lea.</i>		(d. <i>Smooth.</i> )
15	<b>Schoolcraftensis</b> <i>Lea.</i>	18	<b>arcæformis</b> <i>Lea.</i>
	<i>U. prasinus</i> <i>Conrad.</i>		<i>U. nexus</i> <i>Say.</i>
15	<b>apiculatus</b> <i>Say.</i>	18	<b>triangularis</b> <i>Barnes.</i>
15	<b>asper</b> <i>Lea.</i>		<i>U. formosus</i> <i>Lea.</i>
15	<b>stapes</b> <i>Lea.</i>		<i>cuneatus</i> <i>Swain.</i>
15	<b>metanever</b> <i>Lea.</i>	18	<b>elegans</b> <i>Lea.</i>
	<i>U. metanевра</i> <i>Raf.</i>	18	<b>donaciformis</b> <i>Lea.</i>
	<i>nodosus</i> <i>Barnes.</i>	18	<b>zigzag</b> <i>Lea.</i>
	<i>rugosus</i> <i>Barnes.</i>	18	<b>heterodon</b> <i>Lea.</i>
	<i>metaneverrus</i> <i>Conrad.</i>	18	<b>penitus</b> <i>Conrad.</i>
15	<b>cornutus</b> <i>Barnes.</i>	19	<b>securis</b> <i>Lea.</i>
	<i>U. reflexa?</i> <i>Raf.</i>	19	<i>U. depressa</i> <i>Raf.</i>
	<i>reflexus</i> <i>Conrad.</i>	19	<b>camelus</b> <i>Lea.</i>
15	<b>pustulosus</b> <i>Lea.</i>	19	<b>ovatus</b> <i>Say.</i>
	<i>U. verrucosus</i> <i>Bar., var. b.</i>		<i>U. ventricosus</i> <i>Desh.</i>
	<i>verrucosa</i> <i>Valen.</i>		<i>subovatus</i> <i>Desh.</i>
	<i>verrucosus albus</i> <i>Say.</i>		<i>occidens</i> <i>Desh.</i>
16	<b>turgidus</b> <i>Lea.</i>	19	<b>subovatus</b> <i>Lea.</i>
	<i>U. Mortoni</i> <i>Conrad.</i>	19	<b>crassidens</b> <i>Lam.</i>
16	<b>Cooperianus</b> <i>Lea.</i>		<i>U. cuneatus</i> <i>Barnes.</i>
16	<b>verrucosus</b> <i>Barnes.</i>		<i>niger?</i> <i>Raf.</i>
	<i>U. tuberculata?</i> <i>Raf.</i>		<i>niger</i> <i>Conrad.</i>
	<i>tuberculosa</i> <i>Valen.</i>	19	<b>carbonarius</b> <i>Lea.</i>
	<i>verrucosus purpureus</i>	20	<b>gibber</b> <i>Lea.</i>
	<i>Hild.</i>	20	<b>pumilis</b> <i>Lea.</i>
	<i>tuberculatus</i> <i>Conrad.</i>	20	<b>rubiginosus</b> <i>Lea.</i>
16	<b>nodulosus</b> <i>Lea.</i>	20	<b>Barnesianus</b> <i>Lea.</i>
	<i>Mya nodulosa</i> <i>Wood.</i>	20	<b>pileus</b> <i>Lea.</i>
16	<b>irroratus</b> <i>Lea.</i>	20	<b>Sowerbianus</b> <i>Lea.</i>
	<i>U. verrucosus albus</i> <i>Hild.</i>	20	<b>solidus</b> <i>Lea.</i>
16	<b>dromas</b> <i>Lea.</i>	20	<b>obliqua</b> <i>Lam.</i>
17	<b>Æsopus</b> <i>Green.</i>		<i>U. undatus</i> <i>Barnes.</i>
	<i>U. cicatricosus</i> <i>Conrad.</i>		<i>trigonus</i> <i>Say.</i>
	<i>varicosus</i> <i>Conrad.</i>		

- | Page. |                              | Page. |                               |
|-------|------------------------------|-------|-------------------------------|
|       | <i>U. mytiloides</i> Eat.    |       | <i>U. ligamentina</i> Desh.   |
|       | <i>undulatus</i> Desh.       | 24    | <b>Unio perovalis</b> Conrad. |
|       | <i>cordatus?</i> Raf.        | 24    | <b>capsæformis</b> Lea.       |
|       | <i>cordatus</i> Conrad.      | 24    | <b>Greenii</b> Conrad.        |
| 21    | <b>Unio pyramidatus</b> Lea. | 24    | <b>pictus</b> Lea.            |
|       | <i>U. rubra?</i> Raf.        | 24    | <b>tæniatus</b> Conrad.       |
|       | <i>mytiloides</i> Conrad.    | 24    | <b>interruptus</b> Lea.       |
| 21    | <b>mytiloides</b> Raf.       | 24    | <b>venustus</b> Lea.          |
|       | <i>Mya obliqua</i> Wood.     | 24    | <b>crassus</b> Say.           |
| 21    | <b>Troostensis</b> Lea.      |       | <i>U. ellipticus</i> Barnes.  |
|       | <i>U. trabalis</i> Conrad.   |       | <i>carinatus</i> Barnes.      |
| 21    | <b>Taitianus</b> Lea.        |       | <i>ligamentina</i> Lam.       |
| 21    | <b>cor</b> Conrad.           |       | <i>Mya gravis</i> Wood.       |
| 21    | <b>decisus</b> Lea.          |       | <i>U. fasciatus</i> Conrad.   |
| 22    | <b>clavus</b> Lam.           | 25    | <b>orbiculatus</b> Hild.      |
|       | <i>U. scalenia</i> Raf.      |       | <i>U. abruptus</i> Say.       |
|       | <i>modioliformis</i> Say.    |       | <i>crassus</i> Conrad.        |
| 22    | <b>patulus</b> Lea.          | 25    | <b>Hydianus</b> Lea.          |
| 22    | <b>Ravenelianus</b> Lea.     | 25    | <b>luteolus</b> Lam.          |
| 22    | <b>sulcatus</b> Lea.         |       | <i>U. siliquoides</i> Barnes. |
|       | <i>U. ridibundus</i> Say.    |       | <i>inflatus</i> Barnes.       |
| 22    | <b>Haysianus</b> Lea.        | 25    | <b>pulcher</b> Lea.           |
| 22    | <b>ellipsis</b> Lea.         | 25    | <b>radiatus</b> Lam.          |
| 22    | <b>castaneus</b> Lea.        |       | <i>U. Virginiana</i> Lam.     |
| 22    | <b>Tampicoensis</b> Lea.     |       | <i>Mya radiata</i> Gmel.      |
| 23    | <b>Lecontianus</b> Lea.      |       | <i>oblongata</i> Wood.        |
| 23    | <b>perdix</b> Lea.           |       | <i>pictorum tenuis</i> Chem.  |
| 23    | <b>pectorosus</b> Conrad.    | 26    | <b>Medellinus</b> Lea.        |
| 23    | <b>ventricosus</b> Barnes.   | 26    | <b>notatus</b> Lea.           |
| 23    | <b>occidens</b> Lea.         | 26    | <b>Vanuxemensis</b> Lea.      |
|       | <i>U. ventricosus</i> Say.   | 26    | <b>Nashvillianus</b> Lea.     |
| 23    | <b>globosa</b> Lea.          | 26    | <b>Zeiglerianus</b> Lea.      |
|       | <i>Symph. globosa</i> Lea.   | 26    | <b>lienosus</b> Conrad.       |
|       | <i>U. capax?</i> Green.      | 26    | <b>obscurus</b> Lea.          |
| 23    | <b>ochraceus</b> Say.        | 27    | <b>Cumberlandianus</b> Lea.   |
|       | <i>Symph. ochracea</i> Lea.  | 27    | <b>vibex</b> Conrad.          |
| 23    | <b>splendidus</b> Lea.       | 27    | <b>Muhlfeldianus</b> Lea.     |
| 23    | <b>cariosus</b> Say.         | 28    | <b>creperus</b> Lea.          |
|       | <i>U. cariosa</i> Lam.       | 28    | <b>glaber</b> Lea.            |
|       | <i>ovata</i> Valen.          | 28    | <b>Hildrethianus</b> Lea.     |
|       | <i>luteola</i> Conrad.       |       | <i>Alas. ambigua?</i> Say.    |
| 24    | <b>perovatus</b> Conrad.     | 28    | <b>fabalis</b> Lea.           |
| 24    | <b>aitilis</b> Conrad.       |       | <i>U. capillus</i> Say.       |
| 24    | <b>multiradiatus</b> Lea.    |       | <i>lapillus</i> Say.          |
|       | <i>U. fasciola?</i> Raf.     | 28    | <b>parvus</b> Barnes.         |
|       | <i>fasciolus</i> Conrad.     |       | <i>U. parvus</i> Conrad.      |

Page.		Page.	
28	<b>Unio glans</b> <i>Lea.</i>	34	<b>Unio retusus</b> <i>Lam.</i>
29	<b>brevidens</b> <i>Lea.</i>		<i>U. torsa</i> Raf.
30	<b>tetralasmus</b> <i>Say.</i>	34	<b>ebenus</b> <i>Lea.</i>
30	<b>camptodon</b> <i>Say.</i>		<i>U. mytiloides</i> Conrad.
	<i>U. declivis</i> Conrad.	34	<b>maculatus</b> <i>Conrad.</i>
30	<b>obesus</b> <i>Lea.</i>	34	<b>Kirtlandianus</b> <i>Lea.</i>
30	<b>Hopetonensis</b> <i>Lea.</i>	34	<b>subrotundus</b> <i>Lea.</i>
30	<b>Roanokensis</b> <i>Lea.</i>		<i>U. politus?</i> Say.
30	<b>jejunus</b> <i>Lea.</i>		<i>brevialis?</i> Crough.
30	<b>complanatus</b> <i>Lea.</i>	34	<b>infucatus</b> <i>Conrad.</i>
	<i>Mya complanata</i> Sol.	34	<b>coccineus</b> <i>Lea.</i>
	<i>rigida</i> Wood.		<i>U. coccineus</i> Hildreth's
	<i>U. violaceus</i> Spangler.		letter, Conrad.
	<i>purpureus</i> Say.		<i>catillus</i> Conrad.
	<i>rarisulcata</i> Lam.	34	<b>Shepardianus</b> <i>Lea.</i>
	<i>coarctata</i> Lam.	34	<b>folliculatus</b> <i>Lea.</i>
	<i>purpurascens</i> Lam.	34	<b>rectus</b> <i>Lam.</i>
	<i>rhombula</i> Lam.		<i>U. praelongus</i> Barnes.
	<i>carinifera</i> Lam.		<i>recta</i> Valen.
	<i>Georgina</i> Lam.		<i>Sageri?</i> Conrad.
	<i>glabrata</i> Lam.		<i>Mya praelonga</i> Wood.
	<i>sulcidens</i> Lam.	35	<b>dehiscens?</b> <i>Say.</i>
	<i>fluviatilis</i> Green.		<i>U. oriens</i> <i>Lea.</i>
31	<b>Griffithianus</b> <i>Lea.</i>	35	<b>angustatus</b> <i>Lea.</i>
31	<b>confertus</b> <i>Lea.</i>	35	<b>lanceolatus</b> <i>Lea.</i>
31	<b>paliatus</b> <i>Ravenel's</i> letter.	35	<b>anodontoides</b> <i>Lea.</i>
31	<b>Watereensis</b> <i>Lea.</i>		<i>U. teres?</i> Raf.
	<i>U. Raveneli</i> Conrad.		<i>teres</i> Conrad.
32	<b>fulvus</b> <i>Lea.</i>	37	<b>productus</b> <i>Conrad.</i>
	<i>U. icterinus</i> Conrad.	37	<b>nasutus</b> <i>Say.</i>
32	<b>Congaræus</b> <i>Lea.</i>		<i>U. rostratus</i> Valen.
32	<b>declivis</b> <i>Say.</i>		<i>Mya nasuta</i> Wood.
	<i>U. geometricus</i> <i>Lea.</i>		<i>U. subrostratus?</i> Say.
32	<b>Blandingianus</b> <i>Lea.</i>	37	<b>Fisherianus</b> <i>Lea.</i>
33	<b>circulus</b> <i>Lea.</i>	37	<b>Jayensis</b> <i>Lea.</i>
	<i>Mya rotunda?</i> Wood.	37	<b>lugubris</b> <i>Lea.</i>
33	<b>lens</b> <i>Lea.</i>	37	<b>iris</b> <i>Lea.</i>
33	<b>rubellus</b> <i>Conrad.</i>		<i>U. nebulosus</i> Conrad.
33	<b>Masoni</b> <i>Conrad.</i>	38	<b>tenuissimus</b> <i>Lea.</i>
33	<b>rotundatus</b> <i>Lam.</i>		<i>Symph. tenuissima</i> <i>Lea.</i>
	<i>U. suborbiculata</i> Lam.		<i>An. purpurascens</i> Swain.
	<i>glebulus</i> Say.		<i>U. velum</i> Say.
	<i>subglobosus</i> <i>Lea.</i>	38	<b>phaseolus</b> <i>Hild.</i>
33	<b>personatus</b> <i>Say.</i>		<i>U. planulatus</i> <i>Lea.</i>
	<i>U. capillaris</i> <i>Lea.</i>		<i>cuneatus</i> Barnes.

Page.		Page.	
38	<b>Unio arcus</b> Conrad.		<i>U. ater</i> Lea.
38	<b>arctatus</b> Conrad.		<i>lugubris</i> Say.
38	<b>gibbosus</b> Barnes.		<i>Poulsoni</i> Conrad.
	<i>U. mucronatus</i> Barnes.	39	<b>Unio cuprinus</b> Lea.
	<i>nasuta</i> Lam.		<i>U. metallicus</i> Say.
	<i>dilatata?</i> Raf.	39	<b>modioliformis</b> Lea.
	<i>dilatatus</i> Conrad.		<i>U. delumbis</i> Conrad.
39	<b>arctior</b> Lea.	39	<b>tenerus</b> Rav.
39	<b>Vaughanianus</b> Lea.		<i>U. tenebrosus</i> Conrad.
	<i>U. Carolinensis</i> Rav. lett.	39	<b>Tappanianus</b> Lea.
39	<b>purpuratus</b> Lam.	39	<b>stramineus</b> Conrad.
	<i>Mya ventricosa</i> Solan.	40	<b>monodontus</b> Say.
			<i>U. soleniformis</i> Lea.

[The following species are known to the author by name only.—W. G. B.]

Page.		Page.	
41	<b>Unio Grœnlandicus</b> Schröt.	41	<b>Unio oviformis</b> Conrad.
41	<b>purpuratus</b> Say.	41	<b>furvus</b> Conrad.

#### Subgenus **Margaritana**.

	(SYMPHYNOTE.)		<i>Alas. sculptilis</i> (y'ng) Say.
	(a. <i>Plicate</i> .)		<i>Mya undulata</i> Wood.
43	<b>Margaritana complanata</b> Lea.		<i>Unio hians</i> Valen.
	<i>Alas. complanata</i> Barnes.		<i>glabratus</i> Sowb.
	<i>Symph. complanata</i> Lea.	44	<b>Margaritana Raveneliana</b>
	(NON SYMPHYNOTE.)		Lea.
	(a. <i>Plicate</i> .)	44	<b>radiata</b> Lea.
43	<b>confragosa</b> Lea.		<i>Alas. radiata</i> Conrad.
	<i>Alas. confragosa</i> Say.	45	<b>calceola</b> Lea.
43	<b>arcula</b> Lea.		<i>Unio calceolus</i> Lea.
43	<b>marginata</b> Lea.		<i>Alas. marginata</i> Say.
	<i>Alas. marginata</i> Say.		<i>truncata</i> Conrad.
	<i>truncata</i> Say.	45	<b>margaritifera</b> Lea.
	<i>Unio cariosa</i> Lam. (var. 2.)		<i>Mya margaritifera</i> Linn.
	<i>varicosa</i> Lam.		<i>Margaritana fluviatilis</i>
	<i>calceolus</i> Say.		Schum.
	<i>Mya regulosa</i> Wood.		<i>Unio elongata</i> Lam.
44	<b>rugosa</b> Lea.		<i>sinuata</i> Pfeif.
	<i>Alas. rugosa</i> Barnes.		<i>Roissyi</i> Mich.
	<i>abducta</i> Say.		<i>margaritifera</i> Pfeif.
	(b. <i>Smooth</i> .)		<i>rivalis</i> Zeig.
44	<b>deltoidea</b> Lea.		<i>Al. margaritifera</i> Flem.
44	<b>undulata</b> Lea.		<i>arcuata</i> Barnes.
	<i>Alas. undulata</i> Say.	46	<b>Holstonia</b> Lea.
		46	<b>fabula</b> Lea.

Subgenus **Anodonta**.

Page.		Page.	
	(SYMPHYNOTE.)		<i>Myt. illitus</i> Soland.
	(a. <i>Smooth</i> .)		<i>A. cataracta</i> Say.
48	<b>Anodonta Benedictensis</b> Lea.		<i>implicata?</i> Say.
	<i>Symph. Benedictensis</i> Lea.		<i>teres</i> Conrad.
	(NON-SYMPHYNOTE.)	51	<b>Anodonta glauca</b> Valen.
	(b. <i>Smooth</i> .)		<i>A. glauca</i> Lam.
50	<b>fragilis</b> Lam.	52	<b>ovata</b> Lea.
50	<b>undulata</b> Say.	52	<b>plana</b> Lea.
	<i>Anodon rugosus</i> Swain.		<i>A. declivis</i> Conrad.
	<i>Anodonta Pennsylvanica</i>	52	<b>decora</b> Lea.
	Lam.	52	<b>gigantea</b> Lea.
50	<b>Wardiana</b> Lea.	52	<b>subvexa</b> Conrad.
	<i>A. virgata</i> Conrad.	52	<b>Stewartiana</b> Lea.
50	<b>edentula</b> Lea.	52	<b>globosa</b> Say.
	<i>Alas. edentula</i> Say.		<i>A. inflata</i> Maj. LeConte's
	<i>Anodon areolatus</i> Swain.		cabinet.
51	<b>Ferussaciana</b> Lea.	52	<b>grandis</b> Say.
51	<b>salmonia</b> Lea.		<i>A. corpulenta</i> Coop.
51	<b>incerta</b> Lea.	52	<b>suborbiculata</b> Say.
51	<b>fluviatilis</b> Lea.	54	<b>cylindracea</b> Lea.
	<i>Myt. fluviatilis</i> Soland.	54	<b>Buchanensis</b> Lea.

[The following species are unknown to the author.—W. G. B.]

Page.		Page.	
54	<b>Anodonta imbecilis</b> Say.	54	<b>Anodonta impura</b> Say.
54	<b>lugubris</b> Say.		

[A list of uncertain species of Rafinesque is given on pp. 58 and 59. It is the same as copied from the third edition.—W. G. B.]

In the Addenda, *Anodonta marginata* Say = **A. fluviatilis**.

<p><b>Unio Dorfeuillianus</b> Lea.</p> <p><b>graniferus</b> Lea.</p> <p><b>Rangianus</b> Lea.</p> <p><b>Menkianus</b> Lea.</p> <p><b>discus</b> Lea.</p> <p><b>contradens</b> Lea.</p>	<p><b>Anodonta Nuttalliana</b> Lea.</p> <p><b>Wahlamatensis</b> Lea.</p> <p><b>Oregonensis</b> Lea.</p> <p><b>pavonia</b> Lea.</p> <p><b>Newtonensis</b> Lea.</p>
--	---

**Adams.**—Shells: by Prof. C. B. ADAMS. From the Exploration of the Red River of Louisiana, by Capt. Marcy. Washington, 1854.

[No descriptions are given. The particular localities are noted.]

Page.	Name.	Locality.
242	<b>Unio asperrimus</b> <i>Lea.</i>	Otter creek, lat. 34° 35' N.,
242	—————	long. 100° W.
243	<b>tuberculatus</b> <i>Barnes.</i>	Otter creek.
243	<b>anodontoides</b> <i>Lea.</i>	Otter creek.
243	<b>parvus</b> <i>Barnes.</i>	Otter creek.
243	<b>Hydianus</b> <i>Lea.</i>	Fort Washita.
243	<b>lævissimus</b> <i>Lea.</i>	Otter creek?
243	<b>gracilis</b> <i>Barnes.</i>	Otter creek.
243	<b>Cyclas distorta</b> <i>Prime.</i>	Otter creek.
243	<b>Bulimus liquabilis</b> <i>Reeve.</i>	Otter creek.
243	<b>Physa ancillaria</b> <i>Say.</i>	Otter creek.
244	<b>heterostropha</b> <i>Say.</i>	Otter creek.
244	<b>Limnæa caperata</b> <i>Say.</i>	One day from Cache creek.
244	<b>Planorbis lentus</b> <i>Say.</i>	One day from Cache cr., &c.

Also—Notes on the geographical distribution of the above.

**Schumard.**—Notices of Additional Species of Shells: by G. C. SCHUMARD, M. D.

Page.	Name.	Locality.
244	<b>Unio anodontoides</b> <i>Lea.</i>	Little Wichita, &c.
244	<b>rugosus</b> <i>Barnes.</i>	Little Wichita.
245	<b>siliquoides</b> <i>Barnes.</i>	Near Otter creek.
245	<b>lævissimus</b> <i>Lea.</i>	Otter creek.
245	<b>Anodonta imbecillis</b> <i>Say.</i>	Beaver creek, &c.
245	<b>Planorbis trivolvis</b> <i>Say.</i>	
245	<b>Physa gyrina</b> <i>Say.</i>	Beaver cr., Choctaw nation.
245	<b>Succinea avara</b> <i>Say.</i>	Otter cr., Choctaw nation.
245	<b>Cyclas partumeia</b> <i>Say.</i>	Otter and Beaver creeks.
245	<b>Bulimus dealbatus</b> <i>Say.</i>	Texas.



**Stimpson.**—Synopsis of the Marine Invertebrata of Grand Manan, or the region about the mouth of the Bay of Fundy, New Brunswick: by WILLIAM STIMPSON. (Smithsonian Contributions to Knowledge, vol. vi. Washington, 1854.)

[Descriptions of new species are given in full, with notes on those previously known.]

Page.		Page.	
19	<i>Ascidia callosa</i> Stimp.	21	<i>Mactra ponderosa</i> Phil.
20	<i>tenella</i> Stimp.	21	<i>solidissima</i> Chemn.
20	<i>geometrica</i> Stimp.	21	<i>Tellina fusca</i> Phil.
20	<i>Glandula fibrosa</i> Stimp.	21	<i>proxima</i> Brown.
20	<i>mollis</i> Stimp.	21	<i>Solen ensis</i> Linn.
20	<i>Cynthia pyriformis</i> Rathke.	21	<i>Thracia truncata</i> Mighels.
20	<i>echinata</i> Stimp.	21	<i>myopsis</i> Beck.
20	<i>Boltenia rubra</i> Stimp.		<i>T. Couthouyi</i> Stimp.
20	<i>reniformis</i> (?) McLeay.	21	<i>Conradi</i> Couth.
20	<i>Terebratula septentrionalis</i>	21	<i>Lyonsia hyalina</i> Conrad.
	Couth.	21	<i>Pandora trilineata</i> Say.
20	<i>Anomia ehippium</i> Linn.	21	<i>Neæra pellucida</i> St. (fig. 13.)
20	<i>aculeata</i> Gmelin.	22	<i>Panopæa Norvegica</i> Lovèn.
20	<i>Pecten Magellanicus</i> Lam.	22	<i>Mya truncata</i> L.
20	<i>Islandicus</i> Müll.	22	<i>arenaria</i> L.
20	<i>Nucula proxima</i> Say.	22	<i>Saxicava rugosa</i> Lam.
20	<i>tenuis</i> Turton.	22	<i>arctica</i> Desh.
20	<i>delphinodonta</i> Mighels.	22	<i>Pholas crispata</i> L.
20	<i>Leda thraciæformis</i> Stimp.	22	<i>Dentalium striolatum</i> Stimp.
20	<i>sapotilla</i> Stimp.	22	<i>Chiton albus</i> L.
20	<i>myalis</i> Stimp.	22	<i>ruber</i> L.
20	<i>limatula</i> Stimp.	22	<i>marmoreus</i> O. Fabr.
21	<i>tenuisulcata</i> Stimp.	22	<i>mendicarius</i> Mighels.
21	<i>Mytilus decussatus</i> Stimp.	22	<i>Pilidium cæcum</i> .
21	<i>corrugata</i> Stimp.		<i>Patella cæca</i> Müll.
21	<i>discors</i> L.		<i>candida</i> Couth.
21	<i>levigatus</i> Stimp.		<i>Pilidium candidum</i> Stimp.
21	<i>discrepans</i> Mont.	22	<i>Tectura testudinalis</i> Gray.
21	<i>modiolus</i> L.	22	<i>Calyptræa striata</i> Say.
21	<i>edulis</i> L.	22	<i>Diadora Noachina</i> Gray.
21	<i>Thyasira Gouldii</i> Stimp.	23	<i>Trochus occidentale</i> Mighels.
21	<i>Cardita borealis</i> Conrad.	23	<i>Margarita cineræa</i> Gould.
21	<i>Astarte sulcata</i> Flem.	23	<i>obscura</i> Gould.
21	<i>quadrans</i> Gould.	23	<i>undulata</i> Sowb.
21	<i>Cyprina Islandica</i> Lam.	23	<i>argentata</i> Gould.
21	<i>Cardium Islandicum</i> Linn.	23	<i>helicina</i> Müll.
21	<i>pinnulatum</i> Conrad.	23	<i>acuminata</i> Sowb.

Page.		Page.	
23	<i>Adeorbis costulata</i> Stimp.	24	<i>Tritonium decemcostatum</i>
23	<i>Littorina rudis</i> Gould.		<i>Midd.</i>
23	<i>litoralis</i> F. & H.	24	<i>pygmæum</i> Stimp.
23	<i>Lacuna vincta</i> Turton.	24	<i>clathratum</i> Müll.
23	<i>Rissoa eburnea</i> Stimp.	24	<i>Fasciolaria ligata</i> Mighels.
23	<i>aculeus</i> Stimp.	24	<i>Columbella rosacea</i> Stimp.
23	<i>Mighelsii</i> Stimp.	24	<i>dissimilis</i> Stimp.
23	<i>pelagica</i> Stimp.	24	<i>Mangelia turricula</i> F. & H.
23	<i>Turritella costulata</i> Mighels.	24	<i>pyramidalis</i> Stimp.
23	<i>erosa</i> Couth.	25	<i>cancellata</i> Stimp.
23	<i>acicula</i> Stimp.	25	<i>decussata</i> Stimp.
23	<i>Aporrhais occidentalis</i> Beck.	25	<i>Bulla hiemalis</i> Couth.
23	<i>Scalaria Grœnlandica</i> Gould.	25	<i>triticea</i> Couth.
23	<i>Menestho albula</i> Möll.	25	<i>pertenuis</i> Mighels.
23	<i>Chemnitzia nivea</i> Stimp.	25	<i>debilis</i> Gould.
24	<i>Natica flava</i> Gould.	25	<i>Philine lineolata</i> Stimp.
24	<i>heros</i> Say.	25	<i>Canthopsis Hvardiensiis</i>
24	<i>triseriata</i> S.		<i>Agassiz.</i>
24	<i>Grœnlandica</i> Beck.	25	<i>Eolis farinacea</i> Gould, MS.
24	<i>immaculata</i> Totten.	25	<i>stellata</i> Stimp. (n. sp.)
24	<i>clausa</i> Brod. & Sowb.	25	<i>purpurea</i> Stimp. (n. sp.)
24	<i>Velutina haliotoïdes</i> Möll.	26	<i>diversa</i> Couth.
24	<i>zonata</i> Gould.	26	<i>Mananensis</i> Stimp.
24	<i>Lamellaria perspicua</i> Lovèn.	26	<i>Doto coronata</i> Lovèn.
24	<i>Admete viridula</i> Stimp.	26	<i>Dendronotus arborescens</i>
24	<i>Trichotropis borealis</i> Br. &		<i>A. &amp; H.</i>
24	<i>Purpura lapillus</i> Lam. [Sowb.	26	<i>Ancula sulphurea</i> Stimp.
24	<i>Nassa trivittata</i> S.	26	<i>Doris planulata</i> St. (fig. 14.)
24	<i>Buccinum undatum</i> L.	26	<i>pallida</i> Agassiz.
24	<i>Tritonium Islandicum</i> Lovèn.	27	<i>Loligo Bartramii</i> (?) Les.

**Prime.**—Descriptions of three new species of *Pisidium*: by TEMPLE PRIME. (From *Annals of the New York Lyceum of Natural History*, vol. vi. March, 1854.)

Page.	Plate.	Fig.	Name.	Locality.
64	i	1	<i>Pisidium cicer</i> Prime.	Washington Co., N. Y.
65	i	2	<i>contortum</i> Prime.	Pittsfield, Mass.
65	i.	3	<i>Noveboracense</i> Prime.	Washington and Herkimer Counties, N. Y.

**Prime.**—On the identity of *Cyclas elegans* Adams with *Cyclas rhomboïdea* Say: by TEMPLE PRIME. (From same, p. 66.)

**Anthony.**—Descriptions of new Fluvialile Shells of the Genus  
*Melania* of Lamarek from the Western States of North America:  
 by J. G. ANTHONY, Esq. (From same.)

Page.	Plate.	Fig.	Name.	Locality.
83	ii	1	<b><i>Melania athleta</i></b> <i>Anthony.</i>	Tennessee.
84	ii	2	<i>viridula</i> <i>Anthony.</i>	Tennessee.
85	ii	3	<i>hastata</i> <i>Anthony.</i>	Alabama.
86	ii	4	<i>iota</i> <i>Anthony.</i>	Ohio?
87	ii	5	<i>altipeta</i> <i>Anthony.</i>	Raccoon creek, Ohio.
88	ii	6	<i>latitans</i> <i>Anthony.</i>	Mammoth cave, Ky.
89	ii	7	<i>vittata</i> <i>Anthony.</i>	Alabama.
90	ii	8	<i>nigrocincta</i> <i>Anthony.</i>	Tennessee.
91	ii	9	<i>subangulata</i> <i>Anthony.</i>	Alabama.
92	ii	10	<i>brunnea</i> <i>Anthony.</i>	Alabama.
93	ii	11	<i>virens</i> <i>Anthony.</i>	Alabama.
93	ii	12	<i>ampla</i> <i>Anthony.</i>	Alabama.
94	ii	13	<i>ambusta</i> <i>Anthony.</i>	Alabama.
95	ii	14	<i>arachnoidea</i> <i>Anthony.</i>	London, Tenn.
97	ii	15	<i>eliminata</i> <i>Anthony.</i>	Owenboro', Ky.
98	ii	16	<i>baculum</i> <i>Anthony.</i>	Tennessee.
99	ii	17	<i>incrassata</i> <i>Anthony.</i>	—?
99	ii	18	<i>excavata</i> <i>Anthony.</i>	Alabama
100	ii	19	<i>casta</i> <i>Anthony.</i>	Alabama.
101	ii	20	<i>textilosa</i> <i>Anthony.</i>	Georgia.
102	iii	1	<i>curvilabris</i> <i>Anthony.</i>	Tennessee.
103	iii	2	<i>elegantula</i> <i>Anthony.</i>	Kentucky.
104	iii	3	<i>pupoidea</i> <i>Anthony.</i>	Alabama.
105	iii	4	<i>tecta</i> <i>Anthony.</i>	Ohio.
105	iii	5	<i>imbricata</i> <i>Anthony.</i>	Alabama.
106	iii	6	<i>pagodiformis</i> <i>Anthony.</i>	Battle creek, Tenn.
107	iii	7	<i>eximia</i> <i>Anthony.</i>	Tennessee.
108	iii	8	<i>cristata</i> <i>Anthony.</i>	Alabama.
109	iii	9	<i>proscissa</i> <i>Anthony.</i>	Alabama.
110	iii	10	<i>torulosa</i> <i>Anthony.</i>	Tennessee.
111	iii	11	<i>planogyra</i> <i>Anthony.</i>	Alabama.
112	iii	12	<i>gradata</i> <i>Anthony.</i>	Alabama.
113	iii	13	<i>fastigiata</i> <i>Anthony.</i>	Tennessee
114	iii	14	<i>vicina</i> <i>Anthony.</i>	Alabama.
115	iii	15	<i>pallidula</i> <i>Anthony.</i>	Tennessee.
116	iii	16	<i>rhombica</i> <i>Anthony.</i>	Alabama.
April, 1854.				
117	iii	17	<i>angulata</i> <i>Anthony.</i>	Tennessee.
118	iii	18	<i>tabulata</i> <i>Anthony.</i>	Tennessee.

Page.	Plate.	Fig.	Name.	Locality.
119	iii	19	<b>Melania clara</b> <i>Anthony.</i>	Alabama.
120	iii	20	<b>fusco-cincta</b> <i>Anthony.</i>	Alabama.
121	iii	21	<b>plena</b> <i>Anthony.</i>	Alabama.
122	iii	22	<b>compacta</b> <i>Anthony.</i>	Alabama.
123	iii	23	<b>glans</b> <i>Anthony.</i>	Tennessee.
123	iii	24	<b>planospira</b> <i>Anthony.</i>	Tennessee.
124	iii	25	<b>undosa</b> <i>Anthony.</i>	Nolen river, Ky.
125	iii	26	<b>consanguinea</b> <i>Anthony.</i>	Indiana.
126	iii	27	<b>coronilla</b> <i>Anthony.</i>	Tennessee.
127	iii	28	<b>corpulenta</b> <i>Anthony.</i>	Alabama.
128	iii	29	<b>neglecta</b> <i>Anthony.</i>	Dayton, Ohio.
129	i	5	<b>gracilior</b> <i>Anthony.</i>	Stark, Co., Ohio.
			<i>M. gracilis</i> <i>Anthony</i> , <i>preoc.</i>	

**Redfield.**—Descriptions of new species of Shells: by JOHN H. REDFIELD. (From same, April, 1854.)

Pa.	Pl.	Fig.	Name.	Locality.
130	i	6	<b>Anculosa Anthonyi</b> <i>Budd MS.</i>	Holston riv., Knoxville, Ten.

**Anthony.**—Descriptions of new species of Ancyclus and Anculosa from the Western States of North America: by JOHN G. ANTHONY. (From same, October, 1855.)

Page.	Plate.	Fig.	Name.	Locality.
158	v	20-21	<b>Ancyclus elatior</b> <i>Anthony.</i>	Green river, Ky.
158	v	22-23	<b>Anculosa ampla</b> <i>Anthony.</i>	Alabama.

**Redfield.**—Descriptions of two new species of North American Helicidæ: by JOHN H. REDFIELD. (From same, Dec., 1856.)

Page.	Plate.	Fig.	Name.	Locality.
170	ix	8-10	<b>Helix Elliotti</b> <i>Redfield.</i>	Georgia and N. C.
171	ix	4-7	<b>barbigera</b> <i>Redfield.</i>	Habersham Co., Ga.

**Wailes.**—Catalogue of Mollusca: by B. L. C. WAILES. (From Geological Report of Mississippi, 1854.)

Page.	Name.	Page.	Name.
338	<b>Unio anodontoides.</b>	338	<b>Unio circulus.</b>
338	<b>asperrimus.</b>	338	<b>globosus.</b>
338	<b>cylindricus.</b>	338	<b>glans.</b>

Page		Page	
338	<b>Unio hydranus.</b>	338	<b>Unio rectus.</b>
338	heros.	338	siliquoides.
338	inflata.	338	subovatus.
338	lens.	338	trapezoides.
338	<b>Mississippiensis.</b>	338	trigonius.
338	multiplicatus.	338	tuberculatus.
338	nodiferus.	338	<b>Anodonta grandis.</b>
338	nobilis.	338	plana.
338	nasutus.	338	suborbiculatus.
338	nodulatus.	338	decora.
338	obesus.	338	<b>Stewartiana.</b>
338	plicatus.	339	<b>Helix alternata.</b>
338	perplicatus.	339	auriculata.
338	porrectus.	339	fraterna.
338	purpuratus.	339	hirsuta.
338	pustulosus.	339	interna.
338	pustulatus.	339	pulchella.
338	quadrolus.	339	tridentata.

**Bland.**—Descriptions of two new species of North American Helicidæ: by THOMAS BLAND. (From Annals N. Y. Lyceum, February, 1858.) And, Remarks on certain species of North American Helicidæ.

[These papers are also printed in pamphlet form, with the title of "Remarks on certain species of North American Helicidæ, with descriptions of new species." New York: H. Baillièrè. The original work and pamphlet are both quoted. The numbering of the plate is the same in each.]

February, 1858.

ANNALS.				REMARKS.		Name.
Vol.	Page.	Pl.	Fig.	Pt.	Page.	
vi	277	ix	14-16	1	1	<b>Helix Edwardsi</b> Bland. Fayette or Green Briar Co., Va.
vi	279	ix	11-13	1	3	<b>sculptilis</b> Bland. Anantehely Mountains, N. C.
vi	283	ix	17-20	1	7	<b>fatigiata</b> Say. <i>H. Dorfeuilliana</i> Desh. <i>Texasiana</i> Desh.
vi	288	ix	21-23	1	12	<b>Troostiana</b> Lea. <i>H. fatigiata</i> Binney. <i>plicata</i> Binney. <i>Polygyra Troostiana</i> Lea.

ANNALS.			REMARKS.		Name.
Vol.	Page.	Pl. Fig.	Pt.	Page.	
vi	291	ix 27-30	1	15	<b>Helix Hazienda</b> Bland. <i>Polygyra plicata</i> Say. <i>Troostiana</i> W. G. Binney.
					<i>H. Texasiana</i> Pfr. <i>Dorfeulliana</i> Desh. <i>fatigiata</i> Binney.
vi	294	ix 24-26	1	18	<b>Dorfeulliana</b> Lea. <i>Polygyra Dorfeulliana</i> Lea. <i>H. fatigiata</i> Binney.
vi	299		1	23	<b>Pennsylvanica</b> Green. <i>H. Mitchelliana</i> Desh.

## September, 1858.

ANNALS.		REMARKS.		Name.	Locality.
Vol.	Page.	Pt.	Page.		
vi	336	1	27	<b>Helix clausa</b> Say. <i>H. Pennsylvanica</i> Pfr. <i>Mitchelliana</i> Chemn.	
vi	339	1	29	<b>Mitchelliana</b> Lea. <i>H. clausa</i> De Kay.	
vi	341	1	31	<b>jejuna</b> Say. <i>H. Mobiliana</i> Lea.	
vi	344	1	34	<b>porcina</b> Say (with a fig.) <i>H. hirsuta</i> Binney. <i>inflecta</i> ?	
vi	346	1	36	<b>pustula</b> Fer. (with a fig.) <i>H. leporina</i> W. G. Binney.	
vi	348	1	39	<b>leporina</b> Gould. <i>H. pustula</i> Pfr. (var.)	
vi	350	1	40	<b>pustuloides</b> Bland. <i>H. pustula</i> Binney, non Fer.	
vi	352	1	42	<b>glaphyra</b> Say (with a fig.)	
vi	358	1	49	<b>albolabris</b> Say. <i>H. major</i> Binney.	

## December, 1858.

vii	26	2	55	<b>Helix auriculata</b> Say (fig.)	St. Augustine, Florida.
vii	30	2	59	<b>avara</b> Say (with a fig.)	St. John's river, Fla.
vii	34	2	63	<b>uvulifera</b> Shuttl. (fig.) <i>H. florulifera</i> Reeve.	Corpus Christi.
vii	35	2	64	<b>Postelliana</b> Bland (fig.)	Ga., various localities.
vii	37	2	66	<b>auriformis</b> Bland (fig.) <i>H. auriculata</i> Binney. <i>avara</i> Reeve.	Ga., Texas, Alabama.

**Trask.**—Proceedings of the California Academy of Natural Sciences, vol. i. San Francisco. Dr. J. B. TRASK. (Feb. 1855.)  
Descriptions of—

Page.	Name.	Locality.
28	<i>Anodonta Randalli</i> Trask.	Upper San Joaquin.
29	<i>triangularis</i> Trask.	Sacramento river.
29	<i>rotundovata</i> Trask.	Sacramento valley.
30	<i>Alasmodonta Yubaensis</i> Trask.	Yuba river.

**Holmes.**—Description of a new species of *Ostrea* found living in the waters of the Coast of South Carolina: by FRANCIS S. HOLMES. (Proc. of Elliott Soc. of Nat. Hist. of Charleston, S. C., vol. i. p. 29. June, 1856.)

Page.	Name.	Locality.
29	<i>Ostrea triangularis</i> Holmes.	Edisto river.

**Chickering.**—List of Marine, Fresh-water, and Land Shells found in the vicinity of Portland, Maine: by J. W. CHICKERING, Jr.

[No date, but published in 1855 or 1856.—W. G. B.]

No.	MARINE SHELLS.	No.	
3	<i>Anomia aculeata</i> Gmelin.	26	<i>Chiton albus</i> Mont.
4	<i>ephippium</i> Linn.	27	<i>Emersonii</i> Couth.
5	<i>Astarte castanea</i> Say.	28	<i>fulminatus</i> Couth.
6	<i>quadrans</i> Gould.	29	<i>ruber</i> Lowe.
7	<i>undata</i> Gould.	30	<i>Cingula aculeus</i> Gould.
13	<i>Buccinum obsoletum</i> Say.	31	<i>arenaria</i> Mont.
14	<i>plicosum</i> Menke.	32	<i>latior</i> Mighels.
15	<i>rosaceum</i> Gould.	33	<i>minuta</i> Totten.
16	<i>trivittatum</i> Say.	34	<i>semicostata</i> Mont.
17	<i>undatum</i> Linn.	35	<i>Cochlodesma Leana</i> Conrad.
18	<i>Bulla debilis</i> Gould.	36	<i>Crepidula fornicata</i> Linn.
19	<i>pertenuis</i> Mighels.	37	<i>plana</i> Say.
20	<i>triticea</i> Couth.	38	<i>Cyprina Islandica</i> Linn.
21	<i>Calyptræa striata</i> Say.	39	<i>Dentalium entale</i> Linn.
22	<i>Cardita borealis</i> Conrad.	40	<i>Fusus bamffius</i> Flem.
23	<i>Cardium Islandicum</i> Linn.	41	<i>decemcostatus</i> Say.
24	<i>pinnulatum</i> Conrad.	42	<i>pygmaeus</i> Gould.
25	<i>Cemoria Noachina</i> Linn.	43	<i>rufus</i> Mont.
		44	<i>turriculus</i> Mont.

- |     |                                    |     |  |
|-----|------------------------------------|-----|--|
| No. |                                    | No. |  |
| 45  | <i>Lacuna neritoidea</i> Gould.    | 91  | <i>Purpura lapillus</i> Linn.                        |
| 46  | <i>fusca</i> Gould.                | 92  | <i>Sanguinolaria fusca</i> Say.                      |
| 47  | <i>vincta</i> Mont.                | 93  | <i>Saxicava distorta</i> Linn.                       |
| 48  | <i>Littorina palliata</i> Say.     | 94  | <i>Scalaria Greenlandica</i><br><i>Chemn.</i>        |
| 49  | <i>rudis</i> Don.                  | 95  | <i>Sigaretus haliotoides</i> Linn.                   |
| 50  | <i>tenebrosa</i> Mont.             | 96  | <i>Skenia serpuloides</i> Mont.                      |
| 51  | <i>Lucina flexuosa</i> Mont.       | 97  | <i>Solemya borealis</i> Totten.                      |
| 52  | <i>Machera costata</i> Say.        | 98  | <i>velum</i> Say.                                    |
| 53  | <i>Mactra gigantea</i> Lam.        | 99  | <i>Solen ensis</i> Linn.                             |
| 54  | <i>Margarita arctica</i> Leach.    | 100 | <i>siliqua</i> .                                     |
| 55  | <i>argentata</i> Gould.            | 102 | <i>Terebratula caput-ser-</i><br><i>pentis</i> Linn. |
| 56  | <i>cinerea</i> Couth.              | 103 | <i>Thracia truncata</i> Mighels.                     |
| 57  | <i>obscura</i> Couth.              | 104 | <i>Trichotropis borealis</i> Sowb.                   |
| 58  | <i>undulata</i> Sowerby.           | 105 | <i>Turritella erosa</i> Couth.                       |
| 59  | <i>Mesodesma arctata</i> Conrad.   | 106 | <i>Velutina lævigata</i> Linn.                       |
| 60  | <i>Modiola discrepans</i> Mont.    | 107 | <i>zonata</i> Gould.                                 |
| 61  | <i>glandula</i> Totten.            | 108 | <i>Venus gemma</i> Totten.                           |
| 62  | <i>modiolus</i> Linn.              | 109 | <i>mercenaria</i> Linn.                              |
| 63  | <i>nexa</i> Gould.                 |     |  |
| 64  | <i>plicatula</i> Lam.              |     | FRESH-WATER SHELLS.                                  |
| 65  | <i>Mya arenaria</i> Linn.          | 110 | <i>Alasmodon arcuata</i> Barnes.                     |
| 66  | <i>Mytilus edulis</i> Linn.        | 111 | <i>marginata</i> Say.                                |
| 67  | <i>Natica clausa</i> Sowerby.      | 112 | <i>undulata</i> Say.                                 |
| 68  | <i>heros</i> Say.                  | 113 | <i>Amnicola lustrica</i> Say.                        |
| 69  | <i>immaculata</i> Totten.          | 114 | <i>porata</i> Say.                                   |
| 70  | <i>pusilla</i> Say.                | 115 | <i>Ancylus rivularis</i> Say.                        |
| 71  | <i>triseriata</i> Say.             | 116 | <i>tardus</i> Say.                                   |
| 72  | <i>Cascoensis</i> Mighels.         | 117 | <i>Anodon cataracta</i> Say.                         |
| 73  | <i>delphinodonta</i> Mighels.      | 118 | <i>implicata</i> Say.                                |
| 74  | <i>limatula</i> Say.               | 119 | <i>marginata</i> Say.                                |
| 75  | <i>minuta</i> Gmelin.              | 120 | <i>Cyclas calyculata</i> Drap.                       |
| 76  | <i>myalis</i> Couth.               | 121 | <i>minor</i> Mighels.                                |
| 77  | <i>Nucula navicularis</i> Couth.   | 122 | <i>partumeia</i> Say.                                |
| 78  | <i>Portlandica</i> Hitchcock.      | 123 | <i>similis</i> Say.                                  |
| 79  | <i>proxima</i> Say.                | 124 | <i>Limnæa columella</i> Say.                         |
| 80  | <i>sapotilla</i> Gould.            | 125 | <i>decollata</i> Mighels.                            |
| 81  | <i>tenuis</i> Mont.                | 126 | <i>desidiosa</i> Say.                                |
| 82  | <i>thraciæformis</i> Storer.       | 127 | <i>humilis</i> Say.                                  |
| 83  | <i>Patella alveus</i> Conrad.      | 128 | <i>Paludina decisa</i> Say.                          |
| 84  | <i>amcena</i> Say.                 | 129 | <i>Physa ancillaria</i> Say.                         |
| 85  | <i>candida</i> Couth.              | 130 | <i>heterostropha</i> Say.                            |
| 86  | <i>Pecten Islandicus</i> Müll.     | 131 | <i>hypnorum</i> Drap.                                |
| 87  | <i>Magellanicus</i> Gmelin.        |     |  |
| 89  | <i>Pleurotoma decussata</i> Couth. |     |  |
| 90  | <i>violacea</i> Adams.             |     |  |



No.		No.	
132	<b>Planorbis armigerus</b> Say.	146	<b>Helix arborea</b> Say.
133	<b>bicarinatus</b> Say.	147	<b>cellaria.</b>
134	<b>campanulatus</b> Say.	148	<b>electrina</b> Gould.
135	<b>deflectus</b> Say.	149	<b>fraterna</b> Say.
136	<b>exacutus</b> Say.	150	<b>harpa</b> Say.
137	<b>lentus</b> Say.	151	<b>hortensis</b> Müll.
138	<b>parvus</b> Say.	152	<b>labyrinthica</b> Say.
139	<b>trivolvus</b> Say.	153	<b>lineata</b> Say.
140	<b>Unio complanatus</b> Sol.	154	<b>pulchella</b> Müll.
141	<b>ochraceus</b> Say.	155	<b>striatella</b> Anth.
142	<b>radiatus</b> Say.	156	<b>Pupa contracta</b> Say.
		157	<b>curvidens</b> Gould.
		158	<b>Gouldii.</b>
		159	<b>modesta</b> Say.
	LAND SHELLS.	160	<b>Succinea campestris</b> Say.
143	<b>Bulimus lubricus</b> Müll.	161	<b>ovalis</b> Say.
144	<b>Helix albolabris</b> Say.	162	<b>Vitrina pellucida</b> Drap.
145	<b>alternata</b> Say.		

**Shaffer.**—A complete List of Land and Fresh-water Shells found in the immediate vicinity of Cincinnati, Ohio: by DAVID H. SHAFFER. [No date.]

No.		No.	
1	<b>Unio abruptus</b> Say.	11	<b>Unio cornutus</b> Barnes.
	<i>U. orbiculatus</i> Hildreth.	12	<b>crassus</b> Say.
2	<b>Æsopus</b> Green.		<i>U. ellipsaria</i> Raf.
3	<b>alatus</b> Say.		<i>ellipticus</i> Barnes.
	<i>U. megaptera</i> Raf.		<i>carinatus</i> Barnes.
4	<b>anodontoides</b> (rare) Lea.		<i>ligamentina</i> Lam.
	<i>U. teres</i> Raf.	13	<b>cylindricus</b> Say.
5	<b>catillus</b> (rare) Conrad.		<i>U. naviformis</i> Lam.
	<i>U. coccineus</i> Hildreth.		<i>solenoides</i> Raf.
	<i>Gouldianus</i> (wh'enacre)	14	<b>cuneatus</b> Barnes.
6	<b>cicatricosus</b> Say. [Ward.]		<i>U. nigra</i> Raf.
	<i>U. varicosus</i> Lea.	15	<b>dehiscens</b> Say.
7	<b>circulus</b> Lea.		<i>U. oriens</i> Lea.
	<i>U. lens</i> Lea.	16	<b>donaciformis</b> Lea.
	<i>subrotunda</i> Raf.		<i>U. zig-zag</i> Lea.
8	<b>clavus</b> Lam.	17	<b>ebenus</b> Lea.
	<i>U. scalenia</i> Raf.	18	<b>elegans</b> Lea.
	<i>patulus</i> Lea.	19	<b>ellipsis</b> Lea.
9	<b>compressus</b> Lea.	20	<b>flavus</b> Raf.
	<i>Symphonata compressa</i> Lea.		<i>U. rubiginosus</i> Lea.
10	<b>Cooperianus</b> Lea.		<i>trigonis</i> Lea.

- | No. |   | No. |   |
|-----|---|-----|---|
| 21  | <b>Unio flexuosus</b> (male) Raf.<br><i>U. foliatus</i> (female) Hild.  | 42  | <b>Unio politus</b> Say.<br><i>U. subrotundus</i> Lea.  |
| 22  | <b>fragosus</b> Conrad.   | 43  | <b>pustulosus</b> Lea.<br><i>U. verrucosus albus</i> Hildreth.  |
| 23  | <b>gibbosus</b> Barnes.<br><i>U. nasutus</i> Lam.<br><i>dilatata</i> Raf.<br><i>arctior</i> (whitenacre) Lea. | 44  | <b>pyramidatus</b> Lea.<br><i>U. obliqua</i> Lam.   |
| 24  | <b>Hildrethianus</b> Lea.   | 45  | <b>rangianus</b> Lea.   |
| 25  | <b>glans</b> Lea.   | 46  | <b>rectus</b> Lam.<br><i>U. praelongus</i> Barnes.<br><i>latissima</i> Raf.   |
| 26  | <b>gracilis</b> Barnes.<br><i>Symphonata gracilis</i> Lea.  | 47  | <b>retusus</b> Lam.<br><i>U. torsa</i> Raf.   |
| 27  | <b>iris</b> Lea.<br><i>U. subrostratus</i> Say.   | 48  | <b>rugosus</b> Barnes.<br><i>U. quadrula</i> Raf.<br><i>lachrymosus</i> Lea.<br><i>asperrimus</i> Lea.                |
| 28  | <b>irroratus</b> Lea.<br><i>U. stegaria</i> Raf.  | 49  | <b>Sayii</b> (rare) Ward.   |
| 29  | <b>laevissimus</b> Lea.<br><i>Symph. lavissima</i> Lea.   | 50  | <b>securis</b> Lea.<br><i>U. depressa</i> Raf.  |
| 30  | <b>lapillus</b> Say.<br><i>U. fabalis</i> Lea.  | 51  | <b>siliquoides</b> Barnes.<br><i>U. luteolus</i> Lam.<br><i>inflatus</i> (fem.) Barnes.                               |
| 31  | <b>monodontus</b> Say.<br><i>U. soleniformis</i> Lea.   | 52  | <b>solidus</b> Lea.<br><i>U. myteloides</i> Raf.  |
| 32  | <b>multiradiatus</b> Lea.<br><i>U. fasciola</i> Raf.  | 53  | <b>sulcatus</b> (male) Lea. [Say.<br><i>U. ridibundus</i> (female, rare)  |
| 33  | <b>nodosus</b> Barnes.<br><i>U. metenevra</i> Raf.  | 54  | <b>triangularis</b> Barnes.<br><i>U. formosus</i> (male) Lea.<br><i>triqueter</i> Raf.                                |
| 34  | <b>nodulatus</b> Raf.<br><i>U. pustulatus</i> Lea.  | 55  | <b>trigonis</b> Lea.<br><i>U. rubiginosis</i> (rare) Lea.   |
| 35  | <b>ovatus</b> Say.  | 56  | <b>tuberculatus</b> Barnes.<br><i>U. tuberculosus</i> Valen.<br><i>verrucosa</i> Raf.                                 |
| 36  | <b>parvus</b> Barnes.   | 57  | <b>undatus</b> Barnes.<br><i>U. caridiacea</i> Say.<br><i>pyramidatus</i> Lea.  |
| 37  | <b>perplexus</b> Lea.<br><i>U. gibbosa</i> Raf.   | 58  | <b>undulatus</b> Barnes.<br><i>U. heros</i> Say.<br><i>multiplicatus</i> Lea.   |
| 38  | <b>personatus</b> (fem., rare) Say.<br><i>U. capillaris</i> (female) Lea.<br><i>pileus</i> (male) Lea.        | 59  | <b>ventricosus</b> Barnes.<br><i>U. cardium</i> Raf.<br><i>occidens</i> (female) Lea.<br><i>subovatus</i> (male) Lea. |
| 39  | <b>phaseolus</b> Hildreth.<br><i>U. planulatus</i> Lea.<br><i>camelus</i> Lea.                                |     |   |
| 40  | <b>planus</b> Barnes.<br><i>U. tenuissimus</i> Lea.<br><i>velum</i> (female) Say.<br><i>leptodon</i> Raf.     |     |   |
| 41  | <b>plicatus</b> Say.<br><i>U. costata</i> Raf.<br><i>rariplicata</i> Lam.<br><i>undulatus</i> Deshayes.       |     |   |

- | No. |  | No. |  |
|-----|--|-----|--|
| 60  | <b>Unio verrucosus</b> <i>Barnes.</i><br><i>U. tuberculata</i> Raf.<br><i>graniferus</i> Lea.  | 25  | <b>Helix lineata</b> (rare) <i>Say.</i>                        |
| 61  | <b>Alasmodonta calceola</b> <i>Lea.</i><br><i>A. deltoidea</i> Lea.                            | 26  | <b>minuta</b> <i>Say.</i><br><i>H. pulchella</i> Binney.       |
| 62  | <b>complanata</b> <i>Barnes.</i>   | 27  | <b>minuscule</b> <i>Lea.</i>                                   |
| 63  | <b>rugosa</b> <i>Barnes.</i><br><i>A. costata</i> Raf.   | 28  | <b>minutissima</b> <i>Lea.</i>                                 |
| 64  | <b>truncata</b> <i>Say.</i>  | 29  | <b>multilineata</b> <i>Say.</i>                                |
| 65  | <b>Anodonta edentula</b> <i>Say.</i><br><i>A. areolata</i> Swainson.                           | 30  | <b>Michelliana</b> <i>Lea.</i>                                 |
| 66  | <b>Ferussaciana</b> <i>Lea.</i>  | 31  | <b>Pennsylvanica</b> <i>Green.</i>                             |
| 67  | <b>imbecilis</b> <i>Say.</i><br><i>A. incerta</i> Lea.   | 32  | <b>perspectiva</b> <i>Say.</i>                                 |
| 68  | <b>pavonia</b> <i>Lea.</i><br><i>A. Wardiana</i> (rare) <i>Lea.</i>                            | 33  | <b>palliata</b> <i>Say.</i>                                    |
| 69  | <b>plana</b> <i>Lea.</i><br><i>A. decora</i> (young) <i>Lea.</i><br><i>grandis</i> <i>Say.</i> | 34  | <b>profunda</b> <i>Say.</i>                                    |
|     | <b>Ancylus rivularis</b> <i>Say.</i>   | 35  | <b>ruderata</b> <i>Binney.</i><br><i>H. striatella</i> Athony. |
| 1   | <b>Helix albolabris</b> <i>Say.</i>  | 36  | <b>solitaria</b> <i>Say.</i>                                   |
| 2   | <b>alternata</b> <i>Say.</i>   | 37  | <b>suppressa</b> (rare) <i>Say.</i>                            |
| 3   | <b>appressa</b> (rare) <i>Say.</i>   | 38  | <b>thyroidea</b> <i>Say.</i>                                   |
| 4   | <b>arborea</b> <i>Say.</i>   | 39  | <b>tridentata</b> <i>Say.</i>                                  |
| 5   | <b>chersina</b> (rare) <i>Say.</i>   | 40  | <b>zaleta</b> <i>Say.</i>                                      |
| 6   | <b>clausa</b> <i>Say.</i>  | 1   | <b>Pupa armifera</b> <i>Say.</i>                               |
| 7   | <b>concava</b> <i>Say.</i>   | 2   | <b>exigua</b> <i>Say.</i>                                      |
| 8   | <b>diodonta</b> (rare) <i>Say.</i>   | 3   | <b>ovata</b> <i>Say.</i>                                       |
| 9   | <b>elevata</b> <i>Say.</i>   | 4   | <b>pentodon</b> <i>Say.</i>                                    |
| 10  | <b>electrina</b> <i>Gould.</i>   | 5   | (unknown).   |
| 11  | <b>fallax</b> <i>Say.</i>  | 1   | <b>Succinea aurea</b> <i>Lea.</i>                              |
| 12  | <b>fraterna</b> <i>Say.</i>  | 2   | <b>obliqua</b> <i>Say.</i>                                     |
| 13  | <b>fuliginosa</b> (rare) <i>Griffith.</i>  | 3   | <b>vermetus</b> <i>Say.</i>                                    |
| 14  | <b>glaphyra</b> (rare) <i>Say.</i>   | 1   | <b>Planorbis armigerus</b> <i>Say.</i>                         |
| 15  | <b>hirsuta</b> <i>Say.</i>   | 2   | <b>bicarinatus</b> <i>Say.</i>                                 |
| 16  | <b>indentata</b> <i>Say.</i>   | 3   | <b>lens</b> <i>Lea.</i>  |
| 17  | <b>inflecta</b> <i>Say.</i>  | 4   | <b>lentus</b> <i>Say.</i>                                      |
| 18  | <b>inornata</b> <i>Say.</i>  | 5   | <b>parvus</b> <i>Say.</i>                                      |
| 19  | <b>intertexta</b> (rare).  | 6   | <b>trivolvus</b> <i>Say.</i>                                   |
| 20  | <b>interna</b> <i>Say.</i>   | 1   | <b>Cyclostoma lapidaria</b> <i>Say.</i>                        |
| 21  | <b>labyrinthica</b> <i>Say.</i>  | 2   | <b>Cincinnatiensis</b> <i>Carley.</i>                          |
| 22  | <b>monodon</b> <i>Binney.</i><br><i>H. Leaii.</i>  | 1   | <b>Physa elliptica</b> <i>Lea.</i>                             |
| 23  | <b>ligeri</b> <i>Say.</i>  | 2   | <b>heterostropha</b> <i>Say.</i>                               |
| 24  | <b>limatula</b> (rare).  | 3   | <b>aurea</b> <i>Lea.</i>                                       |
|     |  | 1   | <b>Lymnea desiduosa</b> <i>Say.</i>                            |
|     |  | 2   | <b>elodes</b> <i>Say.</i>                                      |
|     |  | 3   | <b>exilis</b> <i>Lea.</i>                                      |
|     |  | 1   | <b>Melania canaliculata</b> <i>Say.</i>                        |
|     |  | 2   | <b>conica</b> <i>Say.</i>                                      |
|     |  | 3   | <b>depygis</b> <i>Say.</i>                                     |
|     |  | 4   | <b>undulata</b> <i>Say.</i>                                    |
|     |  | 5   | <b>Sayii</b> <i>Wood.</i>                                      |

No.		No.	
6	<i>Melania Virginica</i> Say.	2	<i>Paludina decisa</i> Say.
7	<i>virgata</i> Lea.	3	<i>integra</i> Say.
1	<i>Anculosa costatus</i> Anthony.	4	<i>subcarinata</i> Say.
2	<i>integra</i> Say.	1	<i>Cyclas similis</i> .
3	<i>prærorsa</i> Say. [Clark.]	2	<i>rhomboidea</i> .
1	<i>Paludina Cincinnatiensis</i>	3	<i>partumea</i> .

**W. G. Binney.**—Reports of Explorations and Surveys to ascertain the most practicable and economical Route for a Railroad from the Mississippi River to the Pacific Ocean, made under the direction of the Secretary of War in 1854–5, vol. vi, pp. 111–114. Washington, 1857. Report on the Land Shells collected on the Survey: by W. G. BINNEY.

Page.		Page.	
111	<i>Helix fidelis</i> Gray. <i>H. Nuttalliana</i> Lea.	113	<i>Helix œruginosa</i> Gould.
112	<i>infumata</i> Gould.	114	<i>Dupetithouarsi</i> Deshayes. <i>H. Oregonensis</i> Lea.

**Prime.**—Notes on some American Species of *Cyclas* described by Lamarek, Say, Rafinesque, and Linsley: by TEMPLE PRIME, LL. B., Member of the Boston Society of Nat. Hist. Part. I, pp. 4. Lamarek and Say. The Hague, 1857.

Page.		Page.	
4	<i>Cyclas sulcata</i> Lam. <i>C. Saratogea</i> Lam. <i>similis</i> Say.	4	<i>Cyclas striatina</i> Lam. <i>C. edentula</i> Say. <i>modesta</i> Prime.
4	<i>Cyclas cornea</i> Lam., No. 2 = <i>C. partumia</i> .		
4	<i>Cyclas cornea</i> Lam., No. 3 = <i>C. rhomboida</i> .		

**Haldeman.**—The Iconographic Encyclopædia of Science, Literature, and Art, systematically arranged: by J. G. HECK. Translated from the German, with additions, and edited by SPENCER F. BAIRD, A. M., M. D., &c. Vol. ii. N. Y., 1857.

[The division "Mollusca" (p. 49) contains many important notes on American Mollusca by Prof. S. S. HALDEMAN. The pages devoted to the water-breathing fluviatile univalves are of particular interest, p. 83 et seq.]

Page.	
69	<b>Unionidæ.</b> (Copious notes.)
83	<i>Anculosa</i> Say = <i>Leptoxis</i> Raf.

Page.	
84	<i>Melania armigera</i> Say
84	<i>Duttoniana</i> Lea } = <i>Pleurocera</i> Raf.
84	<i>catenoides</i> Lea }
84	<b>Pleurocera</b> ( <i>Io</i> ). (Description of animal).
84	<i>Io spinosa</i> Lea = <i>Pleurocera fluvialis</i> Say.
84	<i>Io tenebrosa</i> Lea = <i>Pleurocera fluvialis</i> Say.
89	<b>Ampullaria</b> . (Animal described.)
90	<b>Physidæ</b> . (Notes.)

**Ravenel.**—Descriptions of three new species of Univalves, recent and fossil: by E. RAVENEL, M. D. (Proceedings of Elliott Society of Natural History of Charleston, S. C., vol i, p. 281. March, 1858.)

Page.	Name.	Locality.
281	<b>Columbella spirantha</b> Rav.	Wande river, S. C.

**Higgins.**—A Catalogue of the Shell-bearing species of Mollusca inhabiting the vicinity of Columbus, Ohio—with some Remarks thereon: by FRANK HIGGINS. Sept. 1858. [Without descriptions.]

Page.	No.	Name.	Locality.
4	1	<b>Unio alasmodontinus</b> Barnes.	Scioto river & tributaries.
4	2	<b>alatus</b> Say.	Scioto river.
4	3	<b>Bourneianus</b> Lea.	Scioto river.
4	4	<b>cuneatus</b> Barnes.	Scioto river.
4	5	<b>coccinneus</b> Hild.	Scioto river.
4	6	<b>cicatricosus</b> Say.	Scioto river.
4	7	<b>cylindricus</b> Say.	Scioto river.
4	8	<b>crassus</b> Say.	Scioto river.
4	9	<b>circulus</b> Lea. <i>U. lens</i> Lea (young).	Scioto river.
4	10	<b>clavus</b> Lam. <i>U. patulus</i> Lea (young).	Scioto river.
4	11	<b>cornutus</b> Barnes.	Scioto river.
4	12	<b>donaciformis</b> Lea.	Scioto river.
4	13	<b>elegans</b> Lea.	Scioto river.
4	14	<b>ellipsis</b> Lea.	Scioto river.
4	15	<b>Gouldianus</b> Ward.	Scioto river.
4	16	<b>gibbosus</b> Barnes. var. <i>U. arctior</i> Lea.	Scioto river.
4	17	<b>gracilis</b> Barnes.	Scioto river.

Page.	No.	Name.	Locality.
5	18	<b>Unio irroratus</b> <i>Lea.</i>	Scioto river.
5	19	<i>lappilus</i> <i>Say.</i>	Scioto river.
5	20	<i>multiradiatus</i> <i>Lea.</i>	Scioto river.
5	21	<i>phaselosus</i> <i>Hild.</i> var. <i>U. camelus</i> <i>Lea.</i> <i>planantulus</i> <i>Lea.</i>	Scioto river.
5	22	<i>pustulosus</i> <i>Lea.</i>	Scioto river.
5	23	<i>parvus</i> <i>Barnes.</i>	Scioto river & Ohio canal.
5	24	<i>perplexus</i> <i>Lea.</i>	Scioto river.
5	25	<i>plicatus</i> <i>Say.</i>	Scioto river & Ohio canal.
5	26	<i>Rangianus</i> <i>Lea.</i>	Scioto river.
5	27	<i>rubiginosus</i> <i>Lea.</i>	Scioto river & Ohio canal.
5	28	<i>rectus</i> <i>Lam.</i>	Scioto river.
5	29	<i>siliquoideus</i> <i>Barnes.</i>	Scioto river & Ohio canal.
5	30	<i>subrostratus</i> <i>Say.</i>	Scioto river.
5	31	<i>solidus</i> <i>Lea.</i>	Scioto river.
5	32	<i>Sayii</i> <i>Ward.</i>	Scioto river & Ohio canal.
5	33	<i>tuberculatus</i> <i>Barnes.</i>	Scioto river.
5	34	<i>tenuissimus</i> <i>Lea.</i>	Scioto river.
5	35	<i>triangularis</i> <i>Barnes.</i>	Scioto river.
5	36	<i>verrucosus</i> <i>Barnes.</i>	Scioto river.
5	37	<i>ventricosus</i> <i>Barnes.</i> var. <i>U. occidentens</i> <i>Lea.</i> <i>subovatus</i> <i>Lea.</i>	Scioto river.
5	38	<b>Alasmodon ambigua</b> <i>Say.</i>	Scioto river.
5	39	<i>calceola</i> <i>Lea.</i>	Scioto river & Ohio canal.
5	40	<i>truncata</i> <i>Say.</i>	Scioto river.
5	41	<i>rugosa</i> <i>Barnes.</i>	Scioto river & Ohio canal.
5	42	<b>Anodon aerolata</b> <i>Swain.</i>	Scioto river & Ohio canal.
5	43	<i>Buchanensis</i> <i>Lea.</i>	Scioto river & Ohio canal.
5	44	<i>Ferussaciana</i> <i>Lea.</i>	Scioto river & Ohio canal.
5	45	<i>imbecilis</i> <i>Say.</i>	Scioto river & Ohio canal.
5	46	<i>pavonia</i> <i>Lea.</i>	Scioto river.
5	47	<i>plana</i> <i>Lea.</i> <i>A. decora</i> <i>Lea</i> (young).	Scioto river & Ohio canal.
5	48	<i>salmonea</i> <i>Lea.</i>	Scioto river.
5	49	<b>Cyclas edentula</b> <i>Say.</i>	Ohio canal.
5	50	<i>occidentalis</i> <i>Prime.</i>	Swamps.
5	51	<i>partumeia</i> <i>Say.</i>	Swamps.
5	52	<i>solidula</i> <i>Prime.</i>	Scioto river & Ohio canal.
5	53	<i>similis</i> <i>Say.</i>	Scioto river & Ohio canal.
5	54	<i>rhomboidea</i> <i>Say.</i>	Ohio canal.
5	55	<i>transversa</i> <i>Say.</i>	Scioto river & Ohio canal.
6	56	<b>Pisidium dubium</b> <i>Say.</i>	Scioto river & Ohio canal.
6	57	<i>compressum</i> <i>Prime.</i>	Ohio canal.

Page.	No.	Name.	Locality.
6	58	<i>Pisidium abditum</i> Hald.	Ohio canal.
6	59	<i>ferruginium</i> Prime.	Ohio canal.
6	60	<i>Limnæ caperata</i> Say.	Swamp ditches.
6	61	<i>desoidosa</i> Say.	Swamp ditches.
6	62	<i>humilis</i> Say.	Scioto riv., Ohio can., &c.
6	63	<i>reflexis</i> Say.	Swamps.
6	64	<i>umbrosus</i> Say.	Swamps.
6	65	—— ?	Swamps.
6	66	<i>Physa ancillaria</i> Lea.	Scioto river.
6	67	<i>elongata</i> Say.	Swamp ditches.
6	68	<i>gyrina</i> Say.	Scioto river.
6	69	<i>heterostropha</i> Say.	Scioto riv., Ohio can., &c.
6	70	<i>Planorbis armigerus</i> Say.	Swamp ditches.
6	71	<i>campanulatus</i> Say.	Scioto river.
6	72	<i>bicarinatus</i> Say.	Scioto river & Ohio canal.
6	73	<i>dilitatus</i> Gould.	Swamps.
6	74	<i>parvus</i> Say.	Ohio ca'l, swamp ditches.
6	75	<i>lentus</i> Say.	Scioto river.
6	76	<i>trivolvus</i> Say.	Scioto swamps, Ohio ca'l.
6	77	<i>Ancylus tardus</i> Say.	Scioto river & Ohio canal.
6	78	—— ?	Scioto river.
6	79	<i>Paludina decisa</i> Say.	Scioto river & Ohio canal.
6	80	<i>genicula</i> Conrad.	Scioto river & Ohio canal.
6	81	<i>integra</i> Say.	Scioto river & Ohio canal.
		<i>P. heterostropha</i> Kirtland.	
6	82	<i>rufa</i> Hald.	Scioto river & Ohio canal.
6	83	<i>Amnicola limosa</i> Say.	Ohio canal.
6	84	<i>lapidaria</i> Say.	Moist places.
6	85	<i>Sayana</i> Anthony.	Moist places.
7	86	<i>Valvata tricarinata</i> Say.	Ohio canal.
7	87	<i>Melania depygis</i> Say.	Scioto river.
7	88	<i>inornata</i> Anthony.	Scioto river & Ohio canal.
7	89	<i>gracilor</i> Anthony.	Scioto river.
7	90	<i>exilis</i> Hald.	Scioto river.
7	91	<i>Kirtlandiana</i> Lea.	Scioto river.
7	92	<i>regularis</i> Lea.	Scioto river.
7	93	<i>pulchella</i> Anthony.	Scioto river.
7	94	<i>Sayii</i> Ward.	Scioto river.
7	95	<i>Anculosa isogonia</i> Say.	Ohio canal.
7	96	<i>Zua lubricus</i> Say.	Rocky places.
7	97	<i>Succinea avara</i> Say.	Moist places.
7	98	<i>ovalis</i> Say.	
7	99	<i>obliqua</i> Say.	
7	100	<i>vermetus</i> Say.	
7	101	<i>Pupa armifera</i> Say.	

Page.	No.	Name.	Locality.
7	102	<b>Pupa contracta</b> Say.	Moist places.
7	103	<b>exigua</b> Say.	Moist places.
7	104	<b>fallax</b> Say.	Rocky places.
7	105	<b>vata</b> Say.	Moist places.
7	106	<b>pentodon</b> Say.	Moist places.
7	107	<b>rupicola</b> Gould.	Moist places.
7	108	<b>Helix albolabris</b> Say.	Dry ridges, rocky places.
7	109	<b>alternata</b> Say.	Dry ridges, &c.
7	110	<b>arborea</b> Say.	Dry woodlands.
7	111	<b>chersina</b> Say.	Moist places.
7	112	<b>clausa</b> Say. var. <i>H. Mitcheliana</i> Lea.	Hill-sides, river bottoms.
7	113	<b>concava</b> Say.	Dry ridges, riv. bottoms.
7	114	<b>electrina</b> Gould.	Moist places.
7	115	<b>fallax</b> Say.	Hill-sides, river bottoms.
7	116	<b>fraterna</b> Say.	Hill-sides, river bottoms.
8	117	<b>fuliginosa</b> Griffith.	Rocky places, &c.
8	118	<b>hirsuta</b> Say.	River bottoms, &c.
8	119	<b>hydrophilia</b> Ingalls.	Swamp prairies.
8	120	<b>inflecta</b> Say.	Hill-sides, river bottoms.
8	121	<b>inornata</b> Say.	
8	122	<b>intertexta</b> Say.	Dry woodlands.
8	123	<b>indentata</b> Say.	Woodlands.
8	124	<b>lineata</b> Say.	Moist woodlands.
8	125	<b>Leaii</b> Ward.	Swamp prairies.
8	126	<b>labyrinthica</b> Say.	Moist places.
8	127	<b>liamatula</b> Ward.	Moist woodlands.
8	128	<b>ligera</b> Say. var. <i>H. Wardiana</i> Lea.	Moist woodlands.
8	129	<b>minutissima</b> Lea.	Moist places.
8	130	<b>miniscula</b> Binney.	Moist places.
8	131	<b>monodon</b> Rackett.	Hill-sides.
8	132	<b>multilineata</b> Say.	Swamp prairies.
8	133	<b>palliata</b> Say.	River bottoms.
8	134	<b>perspectiva</b> Say.	Woodlands, dry ridges.
8	135	<b>profunda</b> Say.	Hill-sides, river bottoms.
8	136	<b>Pennsylvanica</b> Green.	Hill-sides, river bottoms.
8	137	<b>pulchella</b> Multa.	Gardens in the city.
8	138	<b>solitaria</b> Say.	Dry ridges, &c.
8	139	<b>striatella</b> Anthony.	Moist places.
8	140	<b>suppressa</b> Say.	
8	141	<b>tridentata</b> Say.	Rocky places.
8	142	<b>thyroidea</b> Say.	Dry ridges, &c.
8	143	<b>zaleta</b> Say.	Hill-sides, &c.
8	144	<b>Helicina orbiculata</b> Say.	Swamp prairies.



**True.**—Shells gathered about Salem, Mass., with particular localities designated and remarks on the species: by JOSEPH TRUE. (Proceed. of the Essex Institute, vol. ii, pt. 1. Salem, 1858. [No descriptions are given.]

Page.		Page.	
188	<b>Teredo navalis.</b>	191	<b>Cardium Islandicum.</b>
188	<b>Pholas dactylus.</b>	191	<i>pinnulatum.</i>
188	<i>crispata.</i>	191	<b>Cardita borealis.</b>
189	<b>Solen ensis.</b>	191	<b>Nucula limatula.</b>
189	<b>Machæra costata.</b>	191	<i>myalis.</i>
189	<b>Solemya velum.</b>	191	<i>minuta.</i>
189	<i>borealis.</i>	191	<i>sapotilla.</i>
189	<b>Glycimeris siliqua.</b>	191	<i>tenuis.</i>
189	<b>Mya arenaria.</b>	191	<i>proxima.</i>
189	<b>Pandora trilineata.</b>	191	<b>Unio complanatus.</b>
189	<b>Osteodesma hyalina.</b>	191	<i>radiatus.</i>
189	<b>Cochleodesma Leana.</b>	191	<i>nasutus.</i>
190	<b>Thracia Conradi.</b>	191	<b>Anodon fluviatilis.</b>
190	<b>Mactra solidissima.</b>	191	<i>implicata.</i>
190	<i>lateralis.</i>	191	<b>Mytilus edulis.</b>
190	<i>ovalis.</i>	191	<i>pellucidus.</i>
190	<b>Mesodesma arctata.</b>	192	<b>Modiola modiolus.</b>
190	<b>Montacuta bidentata.</b>	192	<i>plicatula.</i>
190	<b>Kellia rubra.</b>	192	<i>discrepans.</i>
190	<b>Saxicava distorta.</b>	192	<i>glandula.</i>
190	<b>Petricola pholadiformis.</b>	192	<b>Pecten Islandicum.</b>
190	<b>Sanguinolaria fusca.</b>	192	<i>Magellanicus.</i>
190	<b>Tellina tenera.</b>	192	<i>concentricus.</i>
190	<b>Lucina filosa Stimpson.</b>	192	<b>Anomia ehippium.</b>
190	<i>flexuosa.</i>	192	<i>aculeata.</i>
190	<b>Cyclas elegans.</b>	192	<i>squamula.</i>
190	<i>truncata.</i>	192	<b>Terebratula caput-ser-</b>
190	—.		<i>pentis.</i>
190	<b>Pisidium dubium.</b>	192	<b>Chiton fulminatus.</b>
190	<i>pusillum.</i>	192	<i>ruber.</i>
190	<i>minus.</i>	192	<i>albus.</i>
191	<b>Astarte castanea.</b>	192	<i>Emersonianus.</i>
191	<i>sulcata.</i>	192	<b>Lottia testudinalis.</b>
191	<i>quadrans.</i>	192	<i>alveus.</i>
191	<b>Cyprina Islandicum.</b>	192	<b>Dentalium dentale.</b>
191	<b>Cytherea convexa.</b>	192	<b>Cemoria Noachina.</b>
191	<b>Venus mercenaria.</b>	192	<b>Crepidula fornicata.</b>
191	<i>gemma.</i>		(Not finished.)

**Say—W. G. Binney.**—The Complete Writings of THOMAS SAY on the Conchology of the United States: edited by W. G. BINNEY. New York, 1858.

[Under this title are collected all the descriptions and figures of recent shells published by Mr. Say. In the following tables reference is given to the original publications and to the reprint.—W. G. B.]

**Say.**—1. The article "Conchology." (From the American edition of Nicholson's Encyclopedia of Arts and Sciences, vol. ii. First edition. Philadelphia, 1816.)

[There is no paging. I am indebted to the kindness of Mr. S. Hanley for the date and references to this edition. I have never been able to obtain access to a copy of it, though I have searched for it in all the principal libraries of Boston, New York, and Philadelphia. The second and third editions are common. The original manuscript is preserved in the library of the Philadelphia Academy of Natural Sciences. This paper was also distributed separately with a distinct title-page, "Descriptions of Land and Fresh-water Shells of the United States."—W. G. B.]

NICH. ED.		BINNEY'S ED.		Name.	Locality.
Pl.	Fig.	Pl.	Fig.		
i	1	5	lxxix	1	<b>Helix</b> <i>albolabris</i> Say.
iv	4	5	lxxii	4	<i>arborea</i> Say.
ii	1	6	lxx	1	<i>tridentata</i> Say. Middle States.
i	2	6	lxxix	2	<i>alternata</i> Say.
i	3	6	lxxix	3	<i>glaphyra</i> Say. Mr. Ord's garden, Phila.
i	7	47	lxxix	7	<b>Limnæa</b> <i>subcarinata</i> Say.
ii	4	47	lxx	4	<i>virginica</i> Say.
ii	5	48	lxx	5	<i>vivipara</i> Say. Lakes. <i>Helix vivipara.</i>
ii	6	49	lxx	6	<i>decisa</i> Say.
ii	3	45	lxx	3	<i>catascopium</i> Say. Delaware river, &c. <i>jugularis</i> Say.
i	6	46	lxxix	6	<i>heterostropha</i> Say.
ii	2	44	lxx	2	<b>Planorbis</b> <i>trivolvus</i> Say. Lake Erie.
i	4	44	lxxix	4	<i>bicarinatus</i> Say.
i	5	45	lxxix	5	<i>parvus</i> Say. Delaware river.
iv	5	7	lxxii	5	<b>Ostomia</b> <i>corticaria</i> Say.
i	8	49	lxxix	8	<b>Unio</b> <i>crassus</i> Say. Ohio, &c. <i>plicatus</i> Say. Lake Erie.
iii	1	50	lxxi	1	<i>purpureus</i> Say. Delaware river, &c. <i>ovatus</i> Say. Ohio, &c.
iii	2	51	lxxi	2	<i>cariosus</i> Say. Delaware & Schuylkill.

NICH. ED.		BINNEY'S ED.		Name.	Locality.
Pl. Fig.	Pa.	Pl.	Fig.		
ii 8	51	lxx	8	<b>Unio ochraceus</b> Say.	Delaware & Schuylkill.
iv 1	52	lxxii	1	<b>nasutus</b> Say.	Delaware & Schuylkill.
iv 2	52	lxxii	2	<b>alatus</b> Say.	Lake Erie.
iv 3	52	lxxii	3	<b>cylindricus</b> Say.	Wabash river.
iii 3	53	lxxi	3	<b>undulatus</b> Say =	Delaware & Schuylkill.
<b>Monodonta</b> Say (n. g.)					
iii 4	53	lxxi	4	<b>Anodonta cataracta</b> Say.	
iii 5	53	lxxi	5	<b>marginata</b> Say.	
iii 6	54	lxxi	6	<b>undulata</b> Say.	
i 9	54	lxix	9	<b>Cyclas similis</b> Say.	Delaware.
i 10	55	lxix	10	<b>dubia</b> Say.	Delaware.

**Say.**—2. The second edition of the same (vol. iv, 1818) contains the article "Conchology." The references to the plates and localities, being the same as in the first edition, are not repeated. The pages are not numbered.

P. of repr.

5	<b>Helix albolabris</b> Say.
5	<b>thyroidus</b> Say.
5	<b>arboreus</b> Say.
6	<b>tridentata</b> Say.
6	<b>alternata</b> Say.
	<i>II. radiata</i> Gmel.
	<i>Cochlea umbilicata</i> , &c.
7	<b>glaphyra</b> Say. [Lister.
44	<b>Planorbis trivolvis</b> Say.
	<i>Cochlea trium orbium</i> , &c.
	Lister.
44	<b>bicarinatus</b> Say.
45	<b>parvus</b> Say.
45	<b>Lymnæa catascoplum</b> Say.
46	<b>jugularis</b> Say.
46	<b>heterostropha</b> Say.
47	<b>subcarinata</b> Say.
47	<b>virginica</b> Say.
48	<b>vivipara</b> Linn.
49	<b>decisa</b> Say.

P. of repr.

7	<b>Odostomia corticaria</b> Say.
49	<b>Unio crassus</b> Say.
50	<b>plicatus</b> Say.
50	<b>purpureus</b> Say.
50	<b>ovatus</b> Say.
51	<b>cariosus</b> Say.
	<i>Musculus latior</i> , &c. List.
51	<b>ochraceus</b> Say.
52	<b>nasutus</b> Say.
	<i>Musculus fuscus</i> , &c. List.
52	<b>alatus</b> Say.
52	<b>cylindricus</b> Say.
53	<b>Monodonta</b> Say (n. g.)
53	<b>undulatus</b> Say.
53	<b>Anodonta cataracta</b> Say.
53	<b>marginata</b> Say.
53	<b>undulata</b> Say.
54	<b>Cyclas similis</b> Say.
55	<b>dubia</b> Say.

**Say.**—3. The third edition of the same, published in Philadelphia, 1819 (vol. iv.), has the following species in addition to those contained in the second edition. A few generic names are changed, the species being in these cases repeated below.

P. of repr.	Name.	Locality.
7	<b>Helix labyrinthica</b> Say.	
7	<i>hirsuta</i> Say.	
7	<i>perspectiva</i> Say.	Lake Erie.
7	<i>lineata</i> Say.	Philadelphia.
7	<b>Polygyra</b> Say (n. g.)	
7	<i>auriculata</i> Say.	Florida.
7	<i>avara</i> Say.	Florida.
7	<i>septemvolva</i> Say.	Georgia and Florida.
7	<b>Oligyra</b> Say (n. g.)	
7	<i>orbiculata</i> Say.	East Florida.
56	<b>Planorbis glabratus</b> Say.	South Carolina.
56	<b>Limnæa columella</b> Say.	
7	<b>Succinea campestris</b> Say.	Georgia and Florida.
7	<i>ovalis</i> Say.	
56	<b>Cyclostoma tricarinata</b> Say.	Delaware river.
56	<b>Ancylus rivularis</b> Say.	
56	<b>Paludina limosa</b> Say.	Delaware and Schuylkill.
56	<i>lapidaria</i> Say.	
47	<i>subcarinata</i> Say.	
	( <i>Lymnæa</i> , 1st edition.)	
47	<i>virginica</i> Say.	Lakes.
	( <i>Lymnæa</i> , 1st edition.)	
48	<i>vivipara</i> Linn.	
	( <i>Lymnæa</i> , 1st edition.)	
48	<i>dissimilis</i> Say.	Pennsylvania.
49	<i>decisa</i> Say.	
	( <i>Lymnæa</i> , 1st edition.)	
7	<b>Pupa corticaria</b> Say.	
	( <i>Odostomia</i> Say, 1st edition.)	
7	<b>Polyphemus glans</b> Say.	
56	<b>Alasmodonta</b> Say (n. g.)	
	( <i>Monodonta</i> Say, 1st edition.)	
56	<i>marginata</i> Say.	
53	<i>undulata</i> Say.	
	<i>Monodonta undulata</i> Say, 1st ed.	
56	<b>Cyrena Carolinensis</b> Bosc.	Georgia, S. C., Florida.
	<i>Cyclas Carolinensis</i> Bosc.	

**Say.**—4. On the Genus *Ocythoë*: being an extract of a letter from THOS. SAY, Esq., of Philadelphia, to WM. ELFORD LEACH, M. D., F. R. S. (From the Philosophical Transactions of the Royal Society, 1819, p. 107.)

P. of repr.	Name.	Locality.
56	<b><i>Ocythoë punctata</i></b> Say.	Atlantic ocean, near N. A. coast.

**Say.**—5. Numerous Articles from the Journal of the Academy of Natural Sciences of Philadelphia.

Vol. I. May, 1817.—Description of seven species of American Fresh Water and Land Shells, not noticed in the systems.

Page of Jour.	Page of reprint.	Name.	Locality.
13	59	<b><i>Cyclostoma tricarinata</i></b> Say.	Delaware river.
13	59	<b><i>lapidaria</i></b> Say.	
14	60	<b><i>Lymnæa columella</i></b> Say.	
15	8	<b><i>Succinea ovalis</i></b> Say.	

June, 1817.—The same concluded.

17	8	<b><i>Helix hirsuta</i></b> Say.	
18	9	<b><i>perspectiva</i></b> Say.	Lake Erie.
18	9	<b><i>lineata</i></b> Say.	Philadelphia.

October, 1817.—Descriptions of new species of Land and Fresh Water Shells of the United States.

123	9	<b><i>Helix thyroïdus</i></b> Say.	
123	10	<b><i>minuta</i></b> Say.	
124	10	<b><i>labyrinthica</i></b> Say.	
125	60	<b><i>Ancylus rivularis</i></b> Say.	
125	61	<b><i>Paludina limosa</i></b> Say.	Del. and Schuyl. rivs.

June, 1818.—Account of two new genera, and several new species, of Fresh Water and Land Shells.

276	10	<b><i>Polygyra</i></b> Say (n. g.)	
277	10	<b><i>auriculata</i></b> Say.	Florida.
277	11	<b><i>avara</i></b> Say.	Florida.
278	11	<b><i>septemvolva</i></b> Say.	Florida and Georgia.
280	61	<b><i>Planorbis glabratus</i></b> Say.	South Carolina.
281	12	<b><i>Succinea campestris</i></b> Say.	East Florida.
282	13	<b><i>Polyphemus glans</i></b> Brug.	Louisiana to Georgia.
283	13	<b><i>Olygyra</i></b> Say (n. g.)	
283	13	<b><i>orbiculata</i></b> Say.	East Florida.

## December, 1818.—Description of a new genus of Fresh Water Bivalve Shells.

Page of Jour.	Page of reprint.	Name.	Locality.
459	62	<b>Alasmodonta</b> Say. ( <i>Monodonta</i> Say, preoc.)	
459	62	<b>marginata</b> Say.	Scioto river.
	62	<b>undulata</b> Say ( <i>Monodonta</i> .)	

## Vol. II. January, 1821.—Descriptions of Univalve Shells of the United States.

150	15	<b>Helix multilineata</b> Say.	Illinois and Missouri.
151	15	<b>appressa</b> Say.	Ohio and Missouri rivs.
152	16	<b>palliata</b> Say.	Illinois and Ohio.
153	16	<b>inflecta</b> Say.	Lower Missouri.
154	17	<b>clausa</b> Say.	Illinois.
154	17	<b>obstricta</b> Say.	Ohio.
154	17	<b>elevata</b> Say.	Ohio.
155	18	<b>interna</b> Say.	Lower Missouri.
156	18	<b>chersina</b> Say.	Sea islands of Georgia.
156	18	<b>gularis</b> Say.	Ohio, Pennsylvania.
157	19	<b>ligera</b> Say.	Missouri.
157	19	<b>solitaria</b> Say.	Lower Missouri.
158	19	<b>jejuna</b> Say.	Southern States.
159	20	<b>concava</b> Say.	Illinois and Missouri.
159	20	<b>dealbata</b> Say.	Missouri and Alabama.
160	20	<b>profunda</b> Say.	B'ks of Ohio, Miss., Mo.
161	21	<b>albolabris</b> Say.	Council Bluff.
161	21	<b>thyroidus</b> Say.	B'ks of Ohio, Mo., Miss.
161	21	<b>alternata</b> Say.	B'ks of Ohio, Mo., Miss.
161	21	<b>hirsuta</b> Say.	Council Bluff.
161	21	<b>labyrinthica</b> Say.	Council Bluff.
161	21	<b>minuta</b> Say.	Council Bluff.
161	21	<b>perspectiva</b> Say.	Banks of Missouri, &c.
161	21	<b>Polygyra plicata</b> Say.	Alabama.
162	21	<b>Pupa armifera</b> Say.	Upper Missouri.
163	22	<b>rupicola</b> Say.	East Florida.
163	22	<b>Succinea ovalis</b> Say.	Missouri.
164	63	<b>Planorbis armigerus</b> Say.	Upper Missouri.
164	63	<b>trivolvus</b> Say.	Council Bluff.
164	63	<b>bicarinatus</b> Say.	Council Bluff.
164	63	<b>parvus</b> Say.	Council Bluff.
164	63	<b>parallelus</b> Say.	Upper Missouri.
165	64	<b>exacuus</b> Say.	Lake Champlain.
166	64	<b>campanulatus</b> Say.	Lake Cayuga.

Page of Jour.	Page of reprint.	Name.	Locality.
167	65	<b>Lymneus elongatus</b> Say.	Upper Missouri.
167	65	<b>columellus</b> Say.	Cold-water creek, Mo.
167	65	<b>reflexus</b> Say.	Lakes Erie & Superior.
168	66	<b>appressus</b> Say.	Lake Superior.
169	66	<b>elodes</b> Say.	Canandaigua lake, &c.
169	66	<b>desidiosus</b> Say.	Cayuga lake.
170	67	<b>macrostomus</b> Say.	Cayuga lake.
170	67	<b>emarginatus</b> Say.	Maine.
171	67	<b>Physa gyrina</b> Say.	Missouri.
171	68	<b>elongata</b> Say.	Illinois.
172	68	<b>heterostropha</b> Say.	Council Bluff.
172	68	<b>Cyclostoma marginata</b> Say.	Upper Missouri.
173	68	<b>Valvata tricarinata</b> Say.	Council Bluff.
173	68	<b>Paludina ponderosa</b> Say.	Ohio river.
174	69	<b>integra</b> Say.	Missouri.
174	69	<b>porata</b> Say.	Cayuga lake.
175	69	<b>lustrica</b> Say.	Cayuga lake.
175	69	<b>Melania canaliculata</b> Say.	Ohio river.
176	70	<b>elevata</b> Say.	Ohio river.
176	70	<b>conica</b> Say.	Ohio river.
177	70	<b>prærosa</b> Say = <b>Anculotus</b> (n. g.)	Ohio river.
178	71	<b>armigera</b> Say.	Ohio river.
178	71	<b>Bulla fluviatilis</b> Say.	Delaware river.

June, 1822.—An account of some of the Marine Shells of the United States, p. 221.

223	73	<b>Patella amœna</b> Say.	New England.
224	73	<b>Fissurella alternata</b> Say.	Maryland, &c.
225	73	<b>Crepidula fornicata.</b>	
225	74	<b>depressa</b> Say.	Southern coast.
226	74	<b>glauca</b> Say.	
226	74	<b>plana</b> Say.	New Jersey to Florida.
227	74	<b>intorta</b> (var. ?) Say.	Southern coast.
227	75	<b>convexa</b> Say.	
228	75	<b>Oliva mutica</b> Say.	Southern coast.
229	75	<b>Buccinum ornatum</b> Say.	East Florida.
230	76	<b>Columbella avara</b> Say.	Maryland and south.
231	77	<b>Nassa vibex</b> Say.	Southern and middle.
231	77	<b>trivittata</b> Say.	Southern and middle.
232	77	<b>obsoleta</b> Say.	
234	78	<b>acuta</b> Say.	Southern coast.
235	79	<b>Cerithium dislocatum</b> Say.	Maryland to Florida.
236	79	<b>Fusus cinereus</b> Say.	Maryland and N. J.
236	80	<b>Ranella caudata</b> Say.	

Page of Jour.	Page of reprint.	Name.	Locality.
237	80	<b>Fulgur pyruloides</b> Say.	Southern coast.
238	81	<b>Pyrula papyratia</b> Say.	Ga., E. Fla., W. Indies.
239	81	<b>Turbo irroratus</b> Say.	New Jersey to Florida.
240	81	<i>canaliculatus</i> Say.	Southern coast.
240	82	<i>palliatu</i> s Say.	New England.
241	82	<i>obligatus</i> Say.	Portland, Maine.
241	82	<i>vestita</i> Say.	Maine.
242	83	<b>Scalaria lineata</b> Say.	Southern coast.
243	83	<b>Turritella alternata</b> Say.	
244	84	<i>impressa</i> Say.	Maryland.
244	84	<b>Turritella bisuturalis</b> Say.	Boston.
245	84	<b>Bulla solitaria</b> Say.	Southern coast.
246	84	<b>Melampus bidentatus</b> Say.	East Florida.
246	85	<i>var. lineatus</i> Say.	
247	85	<b>Natica duplicata</b> Say.	
		<i>N. rugosa</i> Say, olim.	
248	86	<i>heros</i> Say.	New Jersey.
257	87	<i>pusilla</i> Say.	Southern coast.
257	87	<b>Theodoxus reclivatus</b> Say.	East Florida.
258	88	<b>Ostrea semicylindrica</b> Say.	Georgia and Florida.
259	88	<b>Pecten concentricus</b> Say.	N. Jersey, N. England.
260	89	<i>var. borealis</i> Say.	New England.
260	89	<i>dislocatus</i> Say.	Southern coast.
261	89	<b>Pandora trilineata</b> Say.	S'n and middle coast.
262	90	<b>Avicula hirundo</b> Say.	S'n coast, W. Indies.
263	90	<b>Mytillus cubitus</b> Say.	
264	91	<i>lateralis</i> Say.	Southern coast.
265	91	<i>hamatus</i> Say.	Gulf of Mexico.
265	91	<b>Modiola Americana</b> Leach (var.)	Southern coast.
266	92	<i>castanea</i> Say.	Southern coast.
267	92	<b>Arca ponderosa</b> Say.	Southern coast.
268	93	<i>pexata</i> Say.	
268	93	<i>incongrua</i> Say.	
269	93	<i>transversa</i> Say.	
270	94	<b>Nucula proxima</b> Say.	Southern coast.
271	94	<b>Venus notata</b> Say.	N. England to Georgia.
271	95	<i>præparca</i> Say.	
272	95	<i>elevata</i> Say.	Southern coast.
273	95	<i>inequalis</i> Say.	Middle coast.
273	96	<i>castanea</i> Say.	New Jersey.
274	96	<b>Cytherea occulta</b> Say.	Southern coast.
275	96	<b>Tellina alternata</b> Say.	Georgia and Florida.
276	97	<i>polita</i> Say.	Southern coast.
302	98	<i>iris</i> Say.	Southern coast.



Page of Jour.	Page of reprint.	Name.	Locality.
303	98	<b>Tellina flexuosa</b> Say.	Southern coast.
303	98	<i>tenera</i> Say.	New Jersey.
304	99	<b>Psammobia?</b> <i>lusoria</i> Say.	Southern States.
305	99	<b>Donax variabilis</b> Say.	Georgia and Florida.
306	99	<i>fossor</i> Say.	N. J. and Maryland.
307	100	<b>Amphidesma orbiculata</b> Say.	Georgia.
307	100	<i>æqualis</i> Say.	Southern coast.
308	101	<i>punctata</i> Say.	Southern coast.
309	101	<b>Mactra similis</b> Say.	New Jersey, &c.
309	101	<i>lateralis</i> Say.	Whole coast.
310	102	<i>oblonga</i> Say.	Georgia.
310	102	<b>Lutraria lineata</b> Say.	Georgia and Florida.
311	102	<i>canaliculata</i> Say.	Maryland to Florida.
312	103	<b>Corbula contracta</b> Say.	Georgia and Florida.
313	103	<b>Mya acuta</b> Say.	Southern coast.
313	103	<i>mercenaria</i> Say.	
314	104	<b>Anatina papyratia</b> Say.	Southern coast.
315	104	<b>Solen costatus</b> Say.	New Jersey.
316	104	<i>centralis</i> Say.	Southern coast.
316	105	<i>viridis</i> Say.	Southern coast.
317	105	<b>Solemya velum</b> Say.	Southern coast.
318	106	<b>Saxicava distorta</b> Say.	Southern coast.
319	106	<b>Petricola fornicata</b> Say.	
320	107	<b>Pholas oblongata</b> Say.	Georgia to Florida.
321	107	<i>truncata</i> Say.	Southern coast.
322	108	<i>cuneiformis</i> Say.	Southern coast.

December, 1822.—Descriptions of Univalve, Terrestrial, and Fluviatile Shells of the United States.

370	23	<b>Helix irrorata</b> Say.	Northumberl'd Co., Pa.
371	24	<i>inornata</i> Say.	Pennsylvania.
372	24	<i>indentata</i> Say.	Pennsylvania, N. J.
373	24	<i>lineata</i> Say.	Near Philadelphia.
373	25	<b>Bulimus multilatus</b> Say.	South Carolina.
374	25	<b>Pupa contracta</b> Say.	Virginia.
375	26	<i>exigua</i> Say.	Harrowgate.
375	26	<b>Vertigo ovata</b> Say.	Harrowgate.
376	27	<i>pentodon</i> Say.	Pennsylvania.
377	27	<b>Melampus obliquus</b> Say.	South Carolina.
378	110	<b>Lymneus humilis</b> Say.	S. C. and Oswego.
378	110	<b>Paludina grana</b> Say.	Pennsylvania.
379	111	<b>Melania catenaria</b> Say.	South Carolina.
380	111	<i>multilineata</i> Say.	Delaware.
380	111	<b>Cyclas rhomboida</b> Say.	Lake Champlain.
380	112	<i>partumela</i> Say.	Germantown.

Vol. IV. September 1825.—On a new species of *Modiola*, p. 368.

Page of Jour.	Page of reprint.	Name.	Locality.
369	112	<b><i>Modiola opifex</i></b> Say.	Island of Minorca.
		Plate xix, fig. 2, a, b; reprint, pl. lxx.	

Vol. V. September, 1825.—Descriptions of some new species of Fresh Water and Land Shells of the United States, p. 119.

119	27	<b><i>Helix fallax</i></b> Say.	Philadelphia.
120	28	<i>egena</i> Say.	Above Philadelphia.
120	28	<b><i>Bulimus multilineatus</i></b> Say.	Southern Florida.
121	28	<b><i>Pupa fallax</i></b> Say.	Milton, Mass.
122	29	<b><i>Achatina solida</i></b> Say.	Southern Florida.
122		<i>flammigera</i> Fer.	Southern Florida.
122		<i>vexillum</i> Hum.	Southern Florida.
122	113	<b><i>Lymneus modicellus</i></b> Say.	Owego.
123	113	<i>obrussus</i> Say.	Harrowgate.
123	114	<i>pinguis</i> Say.	Del. and Schuylkill.
123	114	<i>galbanus</i> Say (fossil).	New Jersey.
124	114	<b><i>Physa ancillaria</i></b> Say.	Easton, Pa., and Conn.
125	29	<b><i>Cyclostoma dentata</i></b> Say.	Florida.
125	115	<b><i>Paludina subglobosa</i></b> Say.	N. W. Territory.
126	115	<b><i>Melania simplex</i></b> Say.	Abingdon, Va.
126	115	<i>proxima</i> Say.	N. and S. Carolina.
128	116	( <i>Anculotus</i> ) <b><i>subglobosa</i></b> Say.	Holstein riv., Va.
128	116	<b><i>Pirena scalariformis</i></b> Say.	Florida Keys.

November, 1825.

129	117	<b><i>Fusus fluvialis</i></b> Say.	Holstein river.
130	118	<b><i>Unio subtentus</i></b> Say.	Holstein river.
130	118	<i>cariosus</i> Say.	Holstein river.
131	119	<b><i>Alasmodonta ambigua</i></b> Say.	N. W. Territory.

February, 1826.—Descriptions of Marine Shells recently discovered on the coast of the United States.

207	118	<b><i>Delphinula laxa</i></b> Say.	South Carolina.
207	119	<b><i>Turritella concava</i></b> Say.	
208	119	<i>æqualis</i> Say.	
208	119	<b><i>Scalaria multistriata</i></b> Say.	Southern coast.
209	120	<b><i>Infundibulum depressum</i></b> Say.	South Carolina.
209	120	<b><i>Natica triseriata</i></b> Say.	Boston.
211	121	<b><i>Volvaria canaliculata</i></b> Say.	South Carolina.
211	121	<b><i>Nassa uncinata</i></b> Say.	South Carolina.
212	122	<i>alba</i> Say.	Florida and W. Indies.
213	122	<i>lunata</i> Say.	Southern States.
214	123	<b><i>Fusus decemcostatus</i></b> Say.	Boston.
215	123	<i>bicolor</i> Say.	East Florida.

Page of Jour.	Page of reprint.	Name.	Locality.
215	124	<i>Patella alternata</i> Say.	East Florida.
216	124	<i>Calyptrea (Dispotæa) striata</i> Say.	New Jersey.
216	124	<i>Venericardia tridentata</i> Say.	South Carolina.
218	125	<i>Tellina intastriata</i> Say.	Florida.
218	126	<i>lateralis</i> Say.	
219	126	<i>decora</i> Say.	Florida.
219	126	<i>Psammobia fusca</i> Say.	Georgia.
220	127	<i>Amphidesma radiata</i> Say.	Georgia and Florida.
221	127	<i>lepida</i> Say.	South Carolina.

**Say.**—6. Narrative of an Expedition to the Source of the St. Peter's River, &c. &c., under the command of Major STEPHEN H. LONG, vol. ii, Appendix. 1824.

LONG'S EXP.			REPRINT.			Name.	Locality.
Pa.	Pl.	Fig.	Pa.	Pl.	Fig.		
256	xv	1	29	lxxiv	1	<i>Helix harpa</i> Say.	N. W. Territory.
257	xv	2	30	lxxiv	2	<i>porcina</i> Say.	N. W. Territory.
257	xv	3	30	lxxiv	3	<i>fraterna</i> Say.	Pennsylvania.
257	xv	4	30	lxxiv	4	<i>diodonta</i> Say.	New York.
258			31			<i>perspectiva</i> Say.	N. W. Territory.
258			31			<i>arborea</i> Say.	N. W. Territory.
258			31			<i>chersina</i> Say.	N. W. Territory.
258			31			<i>albolabris</i> Say.	Lake Superior.
258			31			<i>alternata</i> Say.	Lake Superior.
258			31			<i>thyroidus</i> Say.	Niagara Falls.
258			31			<i>ligera</i> Say.	N. W. Territory.
258			31			<i>Vitrina pellucida</i> Müll.	Lake Superior.
259			31			<i>Bulimus lubricus</i> Say.	N. W. Territory.
259	xv	5	32	lxxiv	5	<i>Pupa modesta</i> Say.	N. W. Territory.
260	xv	6	32	lxxiv	6	<i>Succinea avara</i> Say.	N. W. Territory.
260	xv	7	32	lxxiv	7	<i>obliqua</i> Say.	N. W. Territory.
261	xv	8	128	lxxiv	8	<i>Planorbis deflectus</i> Say.	N. W. Territory.
262	xv	9	128	lxxiv	9	<i>corpulentus</i> Say.	N. W. Territory.
262			129			<i>campanulatus</i> Say.	Niagara Falls.
262			129			<i>trivolis</i> Say.	N. W. Ter., Nia. F.
262			129			<i>parvus</i> Say.	N. W. Territory.
263			129			<i>armigerus</i> Say.	St. Peter & Red ri.
263			129			<i>bicarinatus</i> Say.	N. W. Territory.
263	xv	10	129	lxxiv	10	<i>Lymneus megasomus</i> Say.	N. W. Territory.
263			130			<i>emarginatus</i> Say.	Lake Namokan.
263			130			<i>elongatus</i> Say.	Rainyla., Seiner.
263			130			<i>desidiosus</i> Say.	Falls of Niagara.
264			130			<i>Physa heterostropha</i> Say.	N. W. Territory.
264	xv	11	130	lxxiv	11	<i>Valvata sincera</i> Say.	N. W. Territory.
264			130			<i>Paludina limosa</i> Say.	N. W. Territory.
264	xiv	2	130	lxxiii	2	<i>Ampullaria depressa</i> Say.	East Florida.
265			131			<i>Melania virginica</i> Say.	Falls of Niagara.
265	xiv	3, 4	131	lxxiii	3, 4	<i>Anodonta gibbosa</i> Say.	South Carolina.

**Say.**—7. Descriptions of some new Terrestrial and Fluvial Shells of North America, 1829, 1830, 1831. New Harmony, Ind., 1840.

[This consists of a reprint by Mrs. Say of some of the descriptions contained in "The New Harmony Disseminator of Useful Knowledge," and in the "Transylvania Journal of Medicine." It is referred to in the left-hand column of the two succeeding articles.—W. G. B.]

**Say.**—8. Descriptions of some New Terrestrial and Fluvial Shells of North America. (New Harmony Disseminator of Useful Knowledge.)

Vol. II, No. 15.—July 29, 1829.

Page of Say's reprint.	Page of N. H. Diss.	Page of Binney's edition.	Name.	Locality.
13	229	36	<i>Helix lucubrata Say.</i>	Mexico.
14	229	36	<i>suppressa Say.</i>	Pennsylvania.
14	229	37	<i>fatigiata (Polygyra) Say.</i>	New Harmony.
24	230	38	<i>Pupa placida Say.</i>	Massachusetts.
23	230	38	<i>Succinea vermata Say.</i>	New Harmony.
24	230	38	<i>undulata Say.</i>	Mexico.
23	230	148	<i>Lymneus caperatus Say.</i>	Indiana.

No. 16.—August 12, 1829.

23	244	148	<i>Lymneus attenuatus Say.</i>	Mexico.
22	244	148	<i>Valvata humeralis Say.</i>	Mexico.
20	244	146	<i>Paludina intertexta Say.</i>	Louisiana.
20	245	145	<i>transversa Say.</i>	Louisiana.
20	245	146	<i>elongata Swainson.</i>	St. John's riv., Fla.
			<i>P. multilineata Say.</i>	
20	245	146	<i>subpurpurea Say.</i>	Fox river.
21	245	147	<i>Ampullaria rotundata Say.</i>	St. John's riv., Fla.

No. 17.—August 28, 1829.

22	260	147	<i>Ampullaria depressa Say = A. paludosa.</i>	
22	260	147	<i>Ampullaria flagellata Say.</i>	Mexico.
16	260	141	<i>Melania nupera Say.</i>	Wabash.
16	260	141	<i>cancellata Say.</i>	Florida.
16	261	142	<i>semicarinata Say.</i>	Kentucky.
17	261	142	<i>undulata Say.</i>	Ohio.
17	261	142	<i>stygia Say.</i>	Cumberland river.

## No. 18.—September 9, 1829.

Page of Say's reprint.	Page of N. H. Diss.	Page of Binney's edition.	Name.	Locality.
17	275	143	<b>Melania laqueata</b> Say.	Cumberland river.
18	276	143	<b>obovata</b> Say.	Kentucky river.
18	276	144	<b>integra</b> Say.	Ohio river.
19	227	144	<b>isogona</b> Say.	Bear-grass cr., Louisville.
19	227	144	<b>trilineata</b> Say.	Falls of Ohio.

## No. 19.—September 23, 1829.

19	291	145	<b>Melania depygis</b> Say.	Falls of Ohio.
	291	165	<b>Unio heros</b> Say.	Fox river.
	291	225	<i>peruvianus</i> Auct. Am. = <b>U. plicatus</b> .	
5	292	131	<b>cicatricosus</b> Say.	Wabash.
	293	155	<b>monodonta</b> Say.	Falls of Ohio.
5	293	132	<b>velum</b> Say.	Kentucky river.
5	293	132	<i>cardice</i> Say = <b>U. cordata</b> .	
5	283	132	<i>incurvus</i> Say = <b>U. intorta</b> .	

## No. 20.—October 7, 1829.

	308	131	<b>Unio dehiscens</b> Say.	Wabash.
	308	131	<b>ridibundus</b> Say.	Cumberland river.
	309	131	<b>personatus</b> Say.	Wabash.
	309	131	<b>apiculatus</b> Say.	Near New Orleans.

## No. 21.—October 21, 1829.

	323	134	<b>Unio radula</b> Say.	
7	324	134	<b>purpureus</b> Say.	

## No. 22.—November 4, 1829.

10	339	137	<b>Alasmodonta sculptilis</b> Say.	Virginia.
	339	131	<b>confragosa</b> Say.	Wabash river.
10	340	137	<b>edentula</b> Say.	Wabash river.
11	340	138	<b>Anodonta implicata</b> Say.	Danvers, Mass.
11	340	138	<b>lugubris</b> Say.	Cumberland river.
12	341	139	<b>grandis</b> Say.	Fox river.

## No. 23.—November 18, 1829.

12	355	139	<b>Anodonta impura</b> Say.	Mexico.
13	355	140	<b>imbecillis</b> Say.	Wabash river.
10	356	137	<b>Cyclas edentula</b> Say.	Lake Canandaigua.
10	356	138	<b>transversa</b> Say.	Kentucky.
11	356	138	<b>triangularis</b> Say.	Mexico.

## In newspaper form.—December 28, 1831.

P. of Say's reprint.	P. of Binney's edition.	Name.	Locality.
25	39	<b>Bulimus alternatus</b> Say.	Mexico.
25	39	<b>undatus</b> Brug.	Mexico.
25	39	<b>serperastrus</b> Say.	Mexico.
26	40	<b>emeus</b> Say.	Mexico.
15	140	<b>Melania pluristriata</b> Say.	Mexico.

## January 15, 1831.

26	149	<b>Ancylus tardus</b> Say.	Wabash river.
6	133	<b>Unio purpuriatius</b> Say.	Mexico.
6	133	<b>metallicus</b> Say.	Mexico.
6	134	<b>subrostratus</b> Say.	Wabash.
	132	<b>velum</b> Say.	Kentucky.
26	149	<i>Bulla fluviatilis</i> Say = young <b>Planorbis</b> .	

## January 29, 1831.

13	140	<b>Anodonta imbecillis</b> Say.	
	161	<b>suborbiculata</b> Say.	Near Wabash river.

**Say.**—9. Descriptions of several new species of Shells and of a new species of Lumbricus. (Transylvania Journal of Medicine, vol. iv, 1831. Lexington, Ky.)

Page of Say's reprint.	Page of Tr. J. Binney's Med. edition.	Page of Binney's edition.	Name.	Locality.
525	149		<b>Unio interruptus</b> Say.	} See "Amer. Conch." for locality.
526	149		<b>glebulus</b> Say.	
527	149		<b>nexus</b> Say.	
527	149		<b>declivis</b> Say.	
528	149		<b>lapillus</b> Say.	
15	528	37	<b>Helicina occulta</b> Say.	New Harmony, Ind.

**Say.**—10. American Conchology; or, Descriptions of the Shells of North America. Illustrated by colored figures from original drawings executed from nature. New Harmony, Ind.

[The numbering of the plates is the same in the original and reprint.]

## Part I.—1830.

P. of repr.	Pl.	Name.	Locality.
150	i	<b>Astarte castanea</b> Say. <i>Venus castanea</i> Say.	New Jersey.

P. of repr. Pl.	Name.	Locality.
151 ii	<b>Pandora trilineata</b> Say.	S'n & middle coast.
152 iii	<b>Oliva literata</b> Lam.	Southern coast.
153 iv	<b>Unio triangularis</b> Barnes. <i>U. cuneatus</i> Sw.	
154 v	<b>sulcatus</b> Lea. <i>U. flagellatus</i> Say MS.	Wabash & Ohio rivs.
154 v	<b>ridibundus</b> Say. var. <b>perplexus</b> .	Cumberland river.
155 vi	<b>monodonta</b> Say.	Wabash & Ohio rivs.
156 vii	<b>Delphinula?</b> <b>laxa</b> Say.	Charleston.
157 viii	<b>Melania nupera</b> Say.	Wabash river.
157 viii	<b>depygis</b> Say.	Ohio river.
158 ix	<b>Lutraria lineata</b> Say. <i>L. papyracea</i> Lam.?	N. Jersey to Florida.
159 x	<b>Paludina decisa</b> Say. <i>Cochlea Virginiana</i> , &c. Lister.	
159 x	<b>vivipara</b> Linn. <i>Cochlea vivipara</i> , &c. Lister. <i>Helix vivipara</i> Linn. <i>Nerita vivipara</i> Müll. <i>Cyclostoma vivipara</i> Dr. <i>Le vivipare à bandes</i> Geoff. Cuv.	Florida, S. Carolina.

## Part II.—April, 1831.

161 xi	<b>Anodonta suborbiculata</b> Say.	Wabash river.
163 xii	<b>Nucula limatula</b> Say.	Nahant, Mass.
164 xii	<b>lævis</b> Say (fossil).	
164 xii	<b>concentrica</b> Say (fossil).	
33 xiii	<b>Helix albolabris</b> Say. <i>Cochlea Virginiana</i> , &c. Lister.	Canada to S. C.
33 xiii	<b>thyroidus</b> Say. <i>Cochlea umbilicata</i> , &c. Lister. <i>terrestris</i> , &c. Schröter.	
164 xiv	<b>Unio ellipsis</b> Lea.	
165 xv	<b>subtentus</b> Say.	Holstein river, S. C.
165 xvi	<b>undulatus</b> Barnes. <i>U. heros</i> Say.	Fox br. of Wabash.
166 xvii	<b>abruptus</b> Say.	Wabash river.
168 xviii	<b>Solecrtus costatus</b> Say. <i>Solen costatus</i> Say.	Mass. to N. Jersey.
169 xix	<b>Fulgur pyruloides</b> Say. <i>Bulla ficus</i> (var. b) Gmelin. <i>Pyrula spirata</i> Lam. <i>Bulla pyrum</i> Dillw.	South of New Jersey.

P. of repr.	Pl.	Fig.	Name.	Locality.
34	xx		<b>Glandina truncata</b> <i>Gmelin.</i> <i>Buccinum striatum</i> Chemn. <i>Bulla truncata</i> Gmelin. <i>Polyphemus glans</i> Say. <i>Helix rosea</i> Fer. <i>E. flumine</i> , &c. Lister.	S. C., Ga., Fla., Miss.
Part III.—September, 1831.				
171	xxi		<b>Alasmodonta confragosa</b> <i>Say.</i>	Fox br. of Wabash riv., New Orleans.
171	xxii		<b>Unio phaseolus</b> <i>Hildreth.</i> <i>U. cuneatus</i> (var.) Barnes. <i>planulatus</i> Lea.	Wabash river.
173	xxiii		<b>tetralasmus</b> <i>Say.</i>	New Orleans.
173	xxiv		<b>dehiscens</b> <i>Say.</i>	Wabash river.
175	xxv		<b>Sigaretus perspectivus</b> <i>Say.</i>	N. Jersey and South.
176	xxv		<b>maculatus</b> <i>Say.</i>	Southern coast.
177	xxvi		<b>Venus grata</b> <i>Say.</i>	W. coast of Mexico.
179	xxvii		<b>Scalaria clathrus</b> <i>L.</i> <i>Turbo clathrus</i> <i>L.</i> <i>S. communis</i> Lam. <i>clathrus</i> Auct.	
180	xxvii		<b>multistriata</b> <i>Say.</i>	S. Carolina, Florida.
180	xxvii		<b>lineata</b> <i>Say.</i>	Southern coast.
181	xxviii		<b>Amphidesma transversum</b> <i>Say.</i>	Georgia.
182	xxviii		<b>æquale</b> <i>Say.</i>	Charleston, S. C.
183	xxix		<b>Fusus corneus</b> <i>Linn.</i> <i>Murex corneus</i> <i>L.</i> <i>F. Islandicus</i> Martini. <i>Murex Islandicus</i> Gmelin.	New Jersey.
184	xxix		<b>cinereus</b> <i>Say.</i>	Maryland, N. Jersey.
184	xxx	1	<b>Paludina ponderosa</b> <i>Say.</i>	Ohio river.
185	xxx	2	<b>subpurpurea</b> <i>Say.</i>	Fox river.
185	xxx	3, 4	<b>intertexta</b> <i>Say.</i>	New Orleans.
Part IV.—March, 1832.				
187	xxxi	1	<b>Limneus umbrosus</b> <i>Say.</i> <i>L. elongatus</i> <i>Say.</i>	Council Bluff, U. Can.
188	xxxi	2	<b>reflexus</b> <i>Say.</i>	Lake Superior.
188	xxxi	3	<b>elodes</b> <i>Say.</i> <i>L. palustris</i> Lin.?	New York.
188	xxxii		<b>Unio ventricosus</b> <i>Barnes.</i> <i>U. ovatus</i> (var. b) Lam. <i>occidens</i> Lea?	Western waters.
189	xxxiii		<b>interruptus</b> <i>Say.</i>	Bayou Teche.



P. of repr.	Pl	Fig.	Name.	Locality.
190	xxxiv		<b>Unio glebulus</b> Say.	Bayou Teche.
190	xxxv		<i>declivis</i> Say.	Bayou Teche.
192	xxxvi	2	<b>Arca staminea</b> Say (fossil).	
192	xxxvi	1	<i>lienosa</i> Say (fossil).	
35	xxxvii	1	<b>Helix clausa</b> Say.	Western States.
35	xxxvii	2	<i>elevata</i> Say. <i>H. Knorrwilliana</i> Fer.	Western States.
36	xxxvii	3	<i>profunda</i> Say. <i>H. Richardii</i> Lam.	Western States.
192	xxxviii		<b>Siphonaria alternata</b> Say.	East Florida.
193	xxxix		<b>Bullina canaliculata</b> Say. <i>Volvaria canaliculata</i> Say.	South Carolina.
194	xl		<b>Cardita tridentata</b> Say. <i>Venericardia tridentata</i> Say.	South Carolina.
On page 4 of cover—				
195			<b>Alasmodonta fragosa</b> Say.	Bay. Teche, not N. O.
195			<b>Ampullaria urceus</b> L. <i>A. rujosa</i> Lam.	Doubtful in the Mississippi.
Part V.—August, 1832.				
195	xli		<b>Unio lapillus</b> Say.	
196	xlii		<i>camptodon</i> Say.	New Orleans.
196	xliii		<i>lugubris</i> Say. <i>U. ater</i> Lea.	Bayou Teche, La.
198	xliv		<b>Crepidula plana</b> Say.	New York to Florida.
199	xlvi		<b>Modiola papuana</b> d'Arg. <i>Musculus papuanus</i> d'Arg. <i>Modiola papuana</i> Lam.	Maine.
36	xlvi	1-3	<b>Helicina orbiculata</b> Say. <i>Olygyra orbiculata</i> Say.	Florida.
36	xlvi	4-6	<i>occulta</i> Say.	New Harmony, Ind.
199	xlvii	2	<b>Melania Virginica</b> Gmelin. <i>Buccinum Virginicum</i> Gmelin. <i>Paludina Virginica</i> Say. <i>M. fasciata</i> Mke.	Delaware & Schuyl- kill rivers.
199	xlvii	2	<i>multilineata</i> Say. <i>M. curta</i> Mke.	Philadelphia & N. J.
200	xlvii	4	<i>semicarinata</i> Say.	Kentucky.
200	xlvii	1	<i>laqueata</i> Say.	Cumberland river.
200	xlviiii		<b>Ranella caudata</b> Say.	
201	xliv	1	<b>Cerithium muscarum</b> Say.	Florida.
202	xliv	2	<i>septemstriatum</i> Say.	Florida.
203	xliv	3	<i>ferrugineum</i> Say.	Florida.

P. of repr. Pl.	Fig.	Name.	Locality.
204	1	<b>Mytilus hamatus</b> Say. <i>M. striatus</i> Barnes.	Gulf of Mexico.
205		On page 4 of cover— <i>Sigaretus perspectivus</i> } = <b>Cryptostoma.</b> <i>maculatus</i> }	
205		<b>Unio glebulus</b> Say.	Bayou Teche.
205		<b>Venericardia cribraria</b> Say.	New Jersey.
Part VI.—April, 1834.			
205	li	<b>Unio nexus</b> Say. <i>U. arcæformis</i> Lea.	Tennessee.
207	lii	<b>apiculatus</b> Say. <i>U. asper</i> Lea.	New Orleans.
207	liii	<b>quadrolus</b> Raf. <i>U. rugosus</i> Barnes. <i>asperrimus</i> Lea. <i>lachrymosus</i> Lea.	Ohio & N. Orleans.
210	liv	1 <b>Planorbis lentus</b> Say.	N. Orleans & Mexico.
210	liv	2 <b>trivolis</b> Say. <i>Cochlea</i> &c. Lister.	Canada to Missouri.
210	liv	3 <b>bicarinatus</b> Say. <i>Helix angulatus</i> Rackett.	Canada to Missouri.
211	lv	1 <b>Limneus emarginatus</b> Say.	Canada and Maine.
211	lv	2 <b>catascopium</b> Say.	Penn'a and N. Y.
211	lv	3 <b>decidiosus</b> Say.	N. Y., Pa., and Ind.
213	lvi	1 <b>Pecten Islandicus</b> Müller. <i>Ostrea Islandica</i> Müller. <i>cinnabarina</i> Born. <i>Pealeii</i> Conrad.	Northern coast.
214	lvi	2 <b>dislocatus</b> Say.	South Carolina.
216	lvii	1 <b>Nassa uncinata</b> Say.	South Carolina.
216	lvii	2 <b>vibex</b> Say.	S. Carolina and N. J.
216	lvii	3 <b>acuta</b> Say.	Southern coast.
218	lviii	<b>Ostrea equestris</b> Say.	S. C., Ga., Antilles.
219	lix	<b>Cytherea albaria</b> Say (fossil).	South Carolina.
222	lx	1 <b>Petricola pholadiformis</b> Lam. <i>P. fornicata</i> Say.	Maine to Florida.
222	lx	2 <b>dactylus</b> Sowb. <i>P. flagellata</i> Say.	South Carolina.
222		<b>Cryptostoma</b> Say (n. g.)	
223		<b>perspectivus</b> Say.	
223		<b>maculatus</b> Say.	

[With this number appeared "An attempt to exhibit a Synonymy of the Western North American species of the genera *Unio* and *Alasmodonta*." The list is here given, the paging referring to the reprint.—W. G. B.]

Page.	No.		Page.	No.	
223	1	<b>Unio niger</b> Raf. <i>U. cuneatus</i> Barnes.	224	16	<b>Unio truncatus</b> Raf. <i>U. undatus</i> B., var. a. <i>elegans</i> Lea.
223	2	<b>cariosus</b> Say. <i>U. viridis</i> Raf. <i>siliquoides</i> B., var. <i>radiatus?</i> Gmel.	224	17	<b>interruptus</b> Raf. <i>U. brevidens</i> Lea.
223	3	<b>fasciatus</b> Raf. <i>U. carinatus</i> Barnes.	224	18	<b>lineolatus</b> Raf. <i>U. depressus</i> R., y'ng. <i>securis</i> Lea.
223	4	<b>leptodon</b> Raf. <i>U. planus</i> Barnes. <i>purpurescens</i> Sw. <i>tenuissimus</i> Lea.	224	19	<b>ellipsarius</b> Raf. <i>U. ellipticus</i> Barnes. <i>crassus</i> Say.
223	5	<b>fragilis</b> Raf. <i>U. gracilis</i> Barnes.	224	20	<b>fasciolaris</b> Raf. <i>U. crassus</i> Wood? <i>ponderosus</i> Gray. <i>mucronatus</i> Barnes, young. <i>phaseolus</i> Hildr. <i>planulatus</i> Lea.
223	6	<b>nervosus</b> Raf. <i>U. zig-zag</i> Lea. <i>donaciformis</i> Lea.	224	21	<b>verrucosus</b> Raf. <i>U. tuberculatus</i> Bar.
223	7	<b>lævigatus</b> Raf. <i>U. castaneus?</i> Lea.	224	22	<b>flavus</b> Raf. <i>U. rubiginosus</i> Lea.
223	8	<b>rectus</b> Lam. <i>U. latissimus</i> Raf. <i>prælongus</i> Barnes.	224	23	<b>cyphius</b> Raf. <i>U. æsopus</i> Green.
223	9	<b>dilatatus</b> Raf. <i>U. nasutus</i> Lam. <i>gibbosus</i> Barnes.	224	24	<b>metanevrus</b> Raf. <i>U. nodosus</i> Barnes.
224	10	<b>cyllindricus</b> Say. <i>U. naviformis</i> Lam. <i>solenoides</i> Raf.	224	25	<b>reflexus</b> Raf. <i>U. cornutus</i> Barnes.
224	11	<b>cardium</b> Raf. <i>U. ventricosus</i> Barnes. <i>occidens</i> Lea. <i>subovatus</i> Lea, var. <i>capax</i> Green, var.	224	26	<b>retusus</b> Raf. <i>U. stapes?</i> Lea, var.
224	12	<b>ovatus</b> Say.	224	27	<b>flexuosus</b> Raf. <i>U. pileus</i> Lea?
224	13	<b>fasciolus</b> Raf. <i>U. multiradiatus</i> Lea.	224	28	<b>nodulatus</b> Raf. <i>U. pustulatus</i> Lea.
224	14	<b>alatus</b> Say. <i>U. megapterus</i> Raf.	224	29	<b>quadrulus</b> Raf. <i>U. rugosus</i> Barnes. <i>lachrymosus</i> Lea. <i>asperrimus</i> Lea.
224	15	<b>triqueter</b> Raf. <i>U. triangularis</i> Bar. <i>cuneatus</i> Sw. <i>formosus</i> Lea, var.	224	30	<b>nodulosus</b> Wood. <i>U. bullatus</i> Barnes. <i>verrucosus</i> B., var.

Page. No.	Name.	Page. No.	Name.	Locality.
	<i>U. verrucosus albus</i> Hildr.	225 44	<b>Unio latus</b> (Anod.) Raf.	
	<i>pustulosus</i> Lea.		<i>U. dehiscens</i> Say.	
224 31	<b>Unio tuberculatus</b> Raf.	225 45	<i>heros</i> Say.	
	<i>U. verrucosus</i> Barnes.		<i>U. undulatus</i> Say.	
	<i>verrucosus purpureus</i> Hildr.	225 46	<i>multiplicatus</i> Lea.	
	<i>tuberculosis</i> Val.		<b>lugubris</b> Say.	
224 32	<b>subrotundus</b> Raf.		<i>U. ater</i> Lea.	
	<i>U. rotundatus?</i> Lam.	225 47	<i>atra</i> Desh.	
	<i>orbiculatus</i> Hildr.		<b>interruptus</b> Say.	
	<i>circulus</i> Lea.	225 48	<i>U. trapezoides</i> Lea.	
	<i>lens?</i> Lea, y'g var.		<b>apiculatus</b> Say.	
224 33	<b>obliquatus</b> Raf.	225 49	<i>U. asper</i> Lea.	
	<i>U. sulcatus</i> Lea.		<b>lapillus</b> Say.	
224 34	<b>triangularis</b> Raf.	225 50	<i>U. fabalis</i> Lea.	
	<i>U. ellipsis</i> Lea.		<b>monodontus</b> Say.	
224 35	<b>scalenius</b> Raf.	225 51	<i>U. soleniformis</i> Lea.	
	<i>U. decusus?</i> Lea, var.		<b>metallicus</b> Say.	
224 36	<b>obovalis</b> Raf.	225 52	<i>U. cuprinus</i> Lea.	
	<i>U. ebenus</i> Lea.		<b>nexus</b> Say.	
224 37	<b>stegarius</b> Raf.	225 53	<i>U. arcaformis</i> Lea.	
	<i>U. irroratus</i> Lea.		<b>politus nob.</b>	
224 38	<b>mytiloides</b> Raf.		<i>U. subrotundus</i> Lea	
	<i>U. caridiacea</i> Say of	225 54	(not Raf.)	
	Guérin.		<b>cicatricosus</b> Say.	
	<i>pyramidatus</i> Lea.	225 55	<i>U. varicosus</i> Lea.	
225 39	<b>cuneatus</b> Raf.		<b>plicatus</b> Say.	
	<i>U. patulus</i> Lea.	225 56	<i>U. rariplicatus</i> Lam.	
225 40	<b>gibbosus</b> Raf.		<b>parvus</b> Barnes.	
	<i>U. perplexus.</i>	225 57	<i>U. glans?</i> Lea, var.	
225 41	<b>costatus</b> Raf.		<b>undatus</b> Barnes.	
	<i>U. peruvianus?</i> Lam.	225 58	<i>U. trigonus</i> Lea.	
	<i>undulatus</i> Barnes.		<b>subrostratus</b> Say.	
225 42	<b>teres</b> Raf.		<i>U. iris</i> Lea.	
	<i>U. anodontoides</i> Lea.	225 1	<b>Alasmodontamarginata</b>	
225 43	<b>Ohioensis</b> (Anod.)		Say.	
	Raf.	225 2	<i>Unio calceolus</i> Lea.	
	<i>Symph. lævissimus</i> Lea.		<b>costata</b> Raf.	
	<i>inflatus?</i> Lea,	225 3	<i>A. rugosa</i> Barnes.	
	var.		<b>complanata</b> Barnes.	
P. of repr.	Name.			
	On page 4 of cover—			
225	<b>Pecten varius</b> Linn.			Northern coast.
225	<i>Helix irrorata</i> Say = <b>H. lactea</b> Mill.			

P. of repr.	Pl.	Fig.	Name.	Locality.
225			<i>Melania acuta</i> Lea = <b>M. semicarinata</b> Say.	
226			<i>Valvata arenifera</i> Lea = <b>Phrygania</b> .	
226			<i>Carocolla heicoides</i> Lea } = <b>Helix palliata</b> (var. a) Say.	
226			<i>Helix denotata</i> Fer. }	
226			<i>Carolinensis</i> Lea = <b>H. appressa</b> (var. a) Say.	
226			<i>Melania tuberculata</i> Lea = <b>M. stygia</b> Say.	
226			<i>elongata</i> Lea = <b>M. elevata</b> Say.	

On page 4 of cover—

235 **Helix aspersa** is said to be found in North America.

Part VII.—No date.

(Published by Mr. CONRAD after Mr. SAY'S death.)

226	lxi	1	<b>Donax variabilis</b> Say.	Georgia and Florida.
226	lxi	2	<b>fossor</b> Say.	N. J. and Maryland.
226	lxii		<b>Cyrena Carolinensis</b> Say.	S. C., Fla., Ala., Ga.
			<i>Cyclus Carolinensis</i> Bosc.	
226	lxiii		<b>Venus alveata</b> Conrad (fossil).	Charleston.
			<i>V. paphia</i> Lam. ?	
227	lxiv	1	<b>Tellina brevifrons</b> Say.	South Carolina.
228	lxiv	2	<b>mera</b> Say.	South Carolina.
228	lxv	1	<b>alternata</b> Say.	S. C., Ga., and Fla.
228	lxv	2	<b>polita</b> Say.	S. C. and Florida.
228	lxv	3	<b>tenta</b> Say.	South Carolina.
229	lxiv	3	<b>tenuis</b> Da Costa.	Charleston.
			<i>T. levis</i> Lister.	
229	lxvi		<b>Arca zebra</b> Swainson.	Florida.
230	lxvii		<b>Unio truncatus</b> Raf.	Western waters.
			<i>U. elegans</i> Lea.	
230	lxviii		<b>lineolatus</b> Raf.	Ohio, Alabama, and
			<i>U. depressa</i> Raf.	Bl. Warrior rivers.
			<i>securis</i> Lea.	
231			<b>Venus cingenda</b> Dillw.	
			<i>V. cancellata</i> Lam.	
			<i>elevata</i> Conrad.	
231			<b>Chiton apiculatus</b> Say.	South Carolina.

**Say.**—10. A Glossary to Say's Conchology. New Harmony, Ind., 1832. (Issued with No. 5 of the Conchology.)

[No descriptions being given, it is not included in Binney's edition, nor is the following.—W. G. B.]

**Say.**—11. Catalogue of Exotic Shells in my Cabinet, 1833.

**Prime.**—List of known species of *Pisidium*, with their Synonymy: by TEMPLE PRIME. (From Annals of New York Lyceum of Natural History, vol. vii. March, 1859.)

Page.		Page.	
94	<b>Pisidium abditum</b> Hald. <i>Cyclas minor</i> C. B. Ad. <i>P. minus</i> Stimp. <i>Kurtzi</i> Prime. <i>zonatum</i> Prime. <i>regulare</i> Prime. <i>notatum</i> Prime. <i>amplum</i> Ingalls. <i>resartum</i> Ingalls. <i>rubrum</i> Lewis MS. <i>plenum</i> Lewis.	102	<b>Pisidium Steenbuchi</b> Morch. <i>Cyclas Steenbuchi</i> Möll.
		102	<b>tenellum</b> Gould. <i>P. rubellum</i> Prime.
		102	<b>variabile</b> Prime. <i>P. grande</i> Whitt. MS.
		102	<b>ventricosum</b> Prime.
		102	<b>Virginicum</b> Bgt. <i>Tellina Virginica</i> Gmel. <i>pusilla</i> (pars) Dillw. <i>Cyclas Virginica</i> Fer. <i>dubia</i> Say. <i>dubiosa</i> Say. ( <i>Physemoda</i> ) <i>æqualis</i> Raf.
95	<b>Adamsi</b> Prime. <i>Cyclas nitida</i> Migh.		<i>P. abruptum</i> Hald. <i>dubium</i> Hald. <i>æquale</i> Raf.
97	<b>compressum</b> Prime. <i>Cyclas altilis</i> Anth. <i>P. altile</i> Anth.		
98	<b>equilaterale</b> Prime.		
98	<b>ferrugineum</b> Prime.		
100	<b>Novi-Eboraci</b> Prime.		
101	<b>rotundatum</b> Prime.		

**Cooper.**—Report upon the Mollusca collected on the Survey: by WM. COOPER. (In Reports on the Natural History, &c., of Minnesota, Nebraska, Washington, and Oregon Territories, made in connection with the Pacific Railroad Survey. New York, 1859.)

[Descriptions of new species only are given, and full notes of locality, &c.—W. G. B.]

Page.		Page.	
369	<b>Murex foliatus</b> Gmelin. <i>M. monodon</i> Esch. <i>Cerastoma monodon</i> Carp. <i>foliatum</i> Carp.	369	<b>Triton Oregonense</b> Redf. <i>Tritonium</i> ( <i>Buccinum</i> ) <i>cancellatum</i> Midd. <i>Fusus Oregonensis</i> Reeve. <i>cancellatus</i> Reeve. <i>Triton cancellatum</i> ( <i>Oregonense</i> ) Carp.
369	<b>festivus</b> Hinds. <i>Pteronotus festivus</i> Carp.		

- | Page. |  | Page. |   |
|-------|--|-------|---|
| 370   | <b>Crysodomus antiquus</b><br><i>Swainson?</i> Carp.<br><i>Murex antiquus</i> Linn.<br><i>Fusus antiquus</i> Lam.<br><i>Tritonium (Fusus) antiquum</i><br>Midd.<br>var. <i>Behringiana</i> Midd. | 374   | <b>Turritella Eschrichtii</b> Midd.   |
| 370   | <b>Middendorffii</b> Cooper.<br><i>Tritonium (Fusus) decem-</i><br><i>costatum</i> Midd., nec Say.   | 374   | <b>Littorina rudis</b> Gould.<br><i>L. Barclayana?</i> Hinds.                           |
| 371   | <b>sitchensis</b> Carp. [Midd.<br><i>Tritonium (Fusus) sitchense</i>   | 374   | <b>scutulata</b> Gould.   |
| 371   | <b>Nassa mendica</b> Gould.  | 374   | <b>planaxis</b> Nutt.   |
| 371   | <b>Gibbsii</b> Cooper (n. sp.)   | 375   | <b>Trochus filosus</b> Wood.<br><i>T. ligatus</i> Gould.<br><i>modestus</i> Midd.?      |
| 371   | <b>Purpura lactuca</b> Esch.<br><i>Murex lactuca</i> Esch.<br><i>ferrugineus</i> Esch.<br><i>P. septentrionalis</i> Reeve.<br><i>Muricidia lactuca</i> Carp.                                     | 375   | <b>schantaricus</b> Midd.   |
| 372   | <b>ostrina</b> Gould. [Desh.<br><i>P. Freycinetii</i> Midd., non<br><i>decemcostata</i> Midd.  | 375   | <b>Haliotis Kamtschatkiana</b><br><i>Jonas.</i>   |
| 372   | <b>lapillus</b> Linn.  | 375   | <b>Fissurella nigropunctata</b>   |
| 372   | <b>emarginata</b> Desh.<br><i>P. Conradi</i> Nutt.   | 375   | <b>aspera</b> Esch. [Sowb.<br><i>F. cratilia</i> Gould?<br><i>denseclathrata</i> Reeve? |
| 372   | <b>Monoceros engonatum</b> Con.<br><i>Purpura (Monoceros) engo-</i><br><i>nata</i> Conr.<br><i>M. unicarinum</i> Reeve.  | 376   | <b>Nacella instabilis</b> Carp.?  |
| 373   | <b>lapilloides</b> Conr.<br><i>M. punctatum</i> Gray.  | 376   | <b>Acmaea pelta</b> Carp.?  |
| 373   | <b>Columbella gausapata</b> Gld.   | 376   | <b>persona</b> Carp.?   |
| 373   | <b>valga</b> Gould.  | 376   | <b>spectrum</b> Carp.?  |
| 373   | <b>Natica Lewisii</b> Gould.<br><i>N. herculea</i> Midd.   | 376   | <b>scabra</b> Carp.?  |
| 373   | <b>Potamis pullatus</b> Gould.<br><i>Cerithiæ pullata</i> Carp.  | 376   | <b>æruginea</b> Carp.?  |
| 374   | <b>Melania plicifera</b> Lea.  | 376   | <b>Scurria mitra</b> Carp.?   |
| 374   | <b>silicula</b> Gould.   | 376   | <b>Chiton muscosus.</b>   |
| 374   | <b>shortäensis</b> Lea.  | 376   | <b>submarmoreus.</b>  |
| 374   | <b>Ammicola Nuttalliana</b> Lea.<br><i>Paludina Nuttalliana</i> Lea.   | 376   | <b>tunicatus.</b>   |
| 374   | <b>seminalis</b> Hinds.<br><i>Paludina seminalis</i> Hinds.<br><i>Bithinia seminalis</i> Carp.   | 376   | <b>lignosus.</b>  |
|       |  | 376   | <b>Helix fidelis</b> Gray.<br><i>H. Nuttalliana</i> Lea.                                |
|       |  | 376   | <b>Townsendiana</b> Lea.  |
|       |  | 376   | <b>Columbiana</b> Lea.<br><i>H. labiosa</i> Gould.                                      |
|       |  | 377   | <b>Vancouverensis</b> Lea.  |
|       |  | 377   | <b>devia</b> Gould.<br><i>H. Baskervillei</i> Pfr.                                      |
|       |  | 377   | <b>tudiculata</b> Binney.   |
|       |  | 377   | <b>Succinea Nuttalliana</b> Lea.  |
|       |  | 377   | <b>Limax Columbianus</b> Gould.   |
|       |  | 378   | <b>Lymnaea umbrosa</b> Gould.   |
|       |  | 378   | <b>emarginata</b> Say.  |
|       |  | 378   | <b>jugularis</b> Say.   |
|       |  | 378   | <b>Physa elongata</b> Say.  |
|       |  | 378   | <b>heterostropha</b> Say.   |
|       |  | 378   | <b>bullata</b> Gould. MS.   |
|       |  | 378   | <b>Ancylus caurinus</b> Coop. n. s.?  |
|       |  | 378   | <b>Planorbis corpulentus</b> Say.   |

- | Page. |                                   | Page. |                                    |
|-------|-----------------------------------|-------|------------------------------------|
| 378   | <b>Planorbis trivolvis</b> Say.   |       | <i>Tapes diversa</i> Sowb.         |
| 378   | <i>planulatus</i> Cooper, n. sp.  |       | <i>straminea</i> Carp.             |
| 379   | <b>Bulla nebulosa</b> Gould.      |       | <i>Saxidomus Petiti</i> Carp.      |
| 379   | <i>tenella</i> Adams.             | 383   | <b>Saxidomus Nuttalli</b> Conr.    |
| 379   | <b>Ostrea edulis</b> Linn. [Desh. |       | <i>Venerupis gigantea</i> Desh.    |
| 379   | <b>Anomia machroschisma</b>       |       | <i>Venus maxima</i> Philippi.      |
|       | <i>Placunanomia macroschisma</i>  |       | <i>S. gigantea</i> Carp.           |
|       | Carp.                             | 383   | <b>Venus lamellifera</b> Conr.     |
| 379   | <b>Pecten caurinus</b> Gould.     |       | <i>Venerupis cordieri</i> Desh.    |
| 380   | <i>ventricosus</i> Sowb.          |       | (var. $\beta$ .)                   |
|       | <i>P. tumidus</i> Sowb.           |       | <i>Petricola cordieri</i> Desh.    |
| 380   | <b>Mytilus edulis</b> Linn.       |       | <i>Rupellaria lamellifera</i> Car. |
| 380   | <i>Californianus</i> Conr.        | 384   | <b>Lutraria maxima</b> Midd.       |
| 380   | <b>Modiola capax</b> Conr.        |       | <i>L. capax</i> Gould.             |
| 380   | <i>flabellata</i> Gould.          | 384   | <b>Tellina nasuta</b> Conr.        |
| 380   | <b>Lithodomus.</b>                | 384   | <i>edentula</i> Brod. & Sowb.      |
| 381   | <b>Arca grandis</b> Brod. & Sowb. | 384   | <i>bodegensis</i> Hinds. [Conr.    |
| 381   | <b>Margaritana margaritifera</b>  | 385   | <b>Sanguinolaria Californiana.</b> |
|       | Lea.                              | 385   | <b>Solen sicarius</b> Gould.       |
|       | <i>Mya margaritifera</i> Linn.    | 385   | <b>Machaera Nuttalli</b> Carp.     |
|       | <i>Margar. fluviatilis</i> Schum. |       | <i>Solen maximus</i> Wood, nec     |
|       | <i>Alasmodonta falcata</i> Gld.   |       | Chemn.                             |
| 381   | <b>Anodonta angulata</b> Lea.     |       | <i>Solecurtus Nuttallii</i> Conr.  |
|       | <i>A. fæminalis</i> Gould.        |       | <i>M. costata</i> Midd.            |
| 381   | <i>Oregonensis</i> Lea.           |       | <i>maxima</i> Gould.               |
| 381   | <i>Wahlamatensis</i> Lea.         | 385   | <b>Mya cancellata</b> Conr.        |
| 382   | <b>Cardium Nuttalli</b> Conr.     |       | <i>Platydon cancellatum</i> Con.   |
| 382   | <i>quadragenarium</i> Conr.       | 385   | <b>Sphænia Californica</b> Conr.   |
| 382   | <b>Lucina Californica</b> Conr.   |       | <i>Cryptomya Californica</i> Con.  |
| 382   | <b>Cyclas</b> —, n. sp.           | 386   | <b>Mytilimeria Nuttalli</b> Conr.  |
| 382   | <b>Venus staminea</b> Conr.       | 386   | <b>Pholas penita</b> Conr.         |
|       | <i>Venerupis Petiti</i> Desh.     |       | <i>Pholas concamerata</i> Desh.    |
|       | <i>Venus rigida</i> Gould.        |       | <i>Parapholas penita</i> Conr.     |

In Appendix—*Machaera Nuttallii* = **M. patula**.



**Binney—Gould.**—The Terrestrial Air-breathing Mollusks of the United States, and the adjacent Territories of North America, described and illustrated by AMOS BINNEY: edited by A. A. GOULD. Boston, vols. i, ii, 1851; vol. iii (plates), 1857.

[In vol. i, are general remarks on classification, history, geographical distribution, &c., with Special Anatomy by Dr. J. LEIDY.]

## Vol. I.—1851.

Page.	Name.	Locality.
48	<i>Odotropis Raf.</i>	
49	<i>Mesomphix Raf.</i>	
49	<i>Tridopsis Raf.</i>	
49	<i>Xolotrema Raf.</i>	
49	<i>Chimotrema Raf.</i>	
49	<i>Toxotrema Raf.</i>	
49	<i>Stenotrema Raf.</i>	
49	<i>Aplodon Raf.</i>	
49	<i>Mesodon Raf.</i>	
49	<i>Omphalina Raf.</i>	
50	<i>Agatina variegata Raf.</i>	Louisiana
50	<i>fuscata Raf.</i>	Texas.
51	<i>Philomycus quadrilus Raf.</i>	Hudson river.
52	<i>oxurus Raf.</i>	New York.
52	<i>fuscus Raf.</i>	Ohio.
52	<i>flexuolaris Raf.</i>	Catskill mountains.
52	<i>Eumelus nebulosus Raf.</i>	Ohio and Kentucky.
52	<i>lividus Raf.</i>	Ohio, Indiana, and Ky.
53	<i>Hemiloma ovata Raf.</i>	Lexington.
53	<i>Limax gracilis Raf.</i>	Kentucky.

Page.	Plate.	Fig.	Name.	Page.	Plate.	Fig.	Name.
			Anatomy of—				Anatomy of—
248	i		<i>Limax variegatus.</i>	255	ix	4	<i>Helix fuliginosa.</i>
249	ii	1-4	<i>Ariox hortensis.</i>	255	ix	5-6	<i>auriculata.</i>
250	ii	5-6	<i>Limax campestris.</i>	256	ix	7-9	<i>pulchella.</i>
250	ii	7-9	<i>agrestis.</i>	256	x	1-3	<i>exoleta.</i>
250	iii		<i>Tebennophorus Caro-</i> <i>linensis.</i>	256	x	4-5	<i>elevata.</i>
				256	xi	1-4	<i>Sayii.</i>
251	iv		<i>Vaginulus Floridanus.</i>	257	xi	5-6	<i>hirsuta.</i>
252	v		<i>Bulimus fasciatus.</i>	257	xi	7-9	<i>thyroidus.</i>
252	vi		<i>Helix albolabris.</i>	257	xii	1-3	<i>intertexta.</i>
253	vii	1	<i>cellaria.</i>	257	xii	4-7	<i>ligera.</i>
253	vii	2-5	<i>alternata.</i>	258	xii	9-11	<i>concava.</i>
253	vii	4-7	<i>perspectiva.</i>	258	xiii	1-3	<i>Succinea obliqua.</i>
253	vii	8	<i>palliata.</i>	258	xiv		<i>Glandina truncata.</i>
254	viii	1-6	<i>multilineata.</i>	259	xv	2-4	<i>Pupa incana.</i>
254	viii	7-10	<i>solitaria.</i>	259	xv	5-6	<i>Bulimus decollatus.</i>
255	viii	11	<i>Berlandieriana.</i>	259	xv	7-8	<i>virgulatus.</i>
255	ix	1-3	<i>profunda.</i>	259	xvi		<i>Glandina truncata.</i>

## Vol. II.—1851.

[NOTE.—The localities are combined in the quotations from vol. iv.—W. G. B.]

Pa.	Plate.	Fig.	Name.	Pa.	Plate.	Fig.	Name.
			<b>LIMACIDÆ.</b>	66			<i>Succinea Wardiana</i> Lea = <b>avara.</b>
17	lxvii		<b>Vaginulus Floridanus</b> <i>Binney.</i>	66			<i>Totteniana</i> Lea = <b>ovalis</b> Say. [Gld.
20	lxiii	1-2	<b>Tebennophorus Caro-</b> <b>linensis</b> Bosc.	66			<i>Nuttalliana</i> = <b>ovalis</b>
			<i>Limax Carolinensis</i> Bosc.	66			<i>inflata</i> = <b>campestris.</b>
			<i>Carolinianus</i> De Roissy.	66			<i>retusa</i> = <b>ovalis</b> Gld.
			<i>togata</i> Gould.	67	lxvii b	1	<b>lineata</b> De Kay? <b>campestris</b> Say.
			<i>Philomycus Carolinen-</i> <i>sis</i> Fer.	67			<i>S. inflata</i> Lea. [Gld.
24	lxiii	3	<b>dorsalis</b> Binn. [Binn. <i>Philomycus dorsalis</i>	67			<i>aperta</i> Lea = <b>rotundata</b> <b>Nuttalliana</b> Lea. (sp. dist.)
27	lxiv	1	<b>Arion hortensis</b> Fer.	67			<b>Oregonensis</b> Lea. (sp. dist.)
	lxv	2		69	lxvii b	3	<b>obliqua</b> Say. <i>S. ovalis</i> Say.
30	lxvi	2	<b>foliolatus</b> Gould.				<i>campestris</i> Gld. &c. <i>Totteniana</i> Lea.
33			<b>Limax lineatus</b> De Kay?	72			<b>Totteniana</b> Lea. (sp. dist., A. A. G.)
33			<b>marmoratus</b> De Kay?				
33			<b>gracilis</b> Raf.?	73	lxvii c	4	<b>avara</b> Say. <i>S. vermata</i> Say.
34	lxv	1	<b>variegatus</b> Drap. <i>L. flavus</i> Binn.				<i>Wardiana</i> Lea.
36	lxiv	2	<b>agrestis</b> Müll. <i>L. tunicata</i> Gould.	75	lxvii c	1	<b>luteola</b> Gould.
41	lxiv	3	<b>campestris</b> Binn.	76	lxvii c	3	<b>aurea</b> Lea.
43	lxvi	1	<b>Columbianus</b> Gould.	77	lxvii c	2	<b>Oregonensis</b> Lea.
			<b>HELICIDÆ.</b>	78	lxvii a	3	<b>ovalis</b> Gould.
55	lxvii a	1	<i>Vitrina pellucida</i> Müll. =	81	lxvii a	4	<b>Nuttalliana</b> Lea.
58			<b>V. limpida</b> A. A. G.	82	lxvii a	2	<b>Concordialis</b> Gould.
63			<b>Succinea ovalis</b> Say.	96	i		<b>Helix major</b> Binney. <i>H. albolabris</i> Fer.
63			<b>campestris</b> Say.	99	ii		<b>albolabris</b> Say.
63			<b>avara</b> Say.	103	iii		<b>multilineata</b> Say.
63			<b>obliqua</b> Say.	105	vii		<b>Pennsylvanica</b> Green.
64			<b>avara</b> Say.	107	iv		<b>clausa</b> Say. <i>H. Mitchelliana</i> Lea. <i>Mitchella</i> Kirtl.
64			<b>vermeta</b> Say.	109	xlix	1-2	<b>Berlandieriana</b> Mor.
64			<b>undulata</b> Say.	111			<i>H. pachyloma</i> Mke.?
64			<b>campestris</b> Say.	111	viii		<b>hortensis</b> Müll. <i>H. subglobosa</i> Binn.
64			<b>ovalis</b> Say.	115	xliiii		<b>Buffoniana</b> Pfr. <i>H. aspersa</i> (in pl.)
65			<b>obliqua</b> Say.	116			<b>aspersa</b> Müll.
65			<b>avara</b> Say.	117	xvi		<b>tudiculata</b> Binney.
65			<i>S. vermata</i> Say.	119	vi a, vi	1	<b>Nickliniana</b> Lea.
65			<b>undulata</b> Say.	121	vi	2	<b>Californiensis</b> Lea.
65			<b>retusa</b> Lea.	122	xiii a	2	<b>abjecta</b> Gould.
65			<b>aperta</b> Lea.	123	xlvi		<b>polychroa</b> Binney.
65			<b>Wardiana</b> Lea.		xlvii		<i>H. submeris</i> Mighels. <i>Pisana</i> Forb.?
65			<b>Totteniana</b> Lea.	126			
66			<b>Nuttalliana</b> Lea.				
66			<b>aurea</b> Lea.				
66			<b>Oregonensis</b> Lea.				
66			<b>inflata</b> Lea.				

Pa.	Plate.	Fig.	Name.	Pa.	Plate.	Fig.	Name.
126	ix		<b>Helix elevata</b> Say. <i>H. Knorrwilliana</i> Fer. <i>Tennesseensis</i> Lea.	183	xxvii		<b>Helix tridentata</b> Say. <i>H. fallax</i> Say.
129	xi		<b>thyroidus</b> Say.	186	xxviii		<b>auriculata</b> Say. [Say.
131	x		<b>exoleta</b> Binn. <i>H. zaleta</i> Binn. <i>albolabris</i> Fer., var.	186	xl		<i>Polygyra auriculata</i> <i>avara</i> Say. <i>Stenotrema avara</i> Hart. <i>H. Sayii</i> Wood.
134	xii		<b>dentifera</b> Binn.	189	xl a	4	<b>vultuosa</b> Gould.
136	xiv, xv		<b>palliata</b> Say. <i>H. obstricta</i> Say. <i>denotata</i> Fer. <i>notata</i> Desh. <i>Caroliniensis</i> Lea. <i>Carocolla helicoides</i>	191	xl v	1	<b>Texasiana</b> Mor. <i>H. auriculata</i> Binn.
140	xiii		<b>appressa</b> Say. [Lea. <i>H. linguifera</i> Fer. <i>Tridopsis appressa</i>	193	xxxix	2, 4	<b>fatigiata</b> Say. <i>H. Troostiana</i> Pfr. <i>Polygyra plicatu</i> Say. <i>fatigiata</i> Say. <i>Dorfeuillana</i> Lea <i>Troostiana</i> Lea.
143	xl v	2-3	<b>inflecta</b> , Say. [Beck. <i>H. clausa</i> Fer. <i>Gonostoma clausa</i> Held.	196	xxxviii		<b>septemvolva</b> Say. <i>H. planorbula</i> Lam. <i>cereolus</i> Pfr.
145	xxix a	2	<i>Tridopsis inflecta</i>	199	xl a	1	<b>leporina</b> Gould.
147	xli		<b>loricata</b> Gld. [Beck. <i>monodon</i> Rack. <i>H. fraterna</i> Say. <i>convexa</i> Desh. <i>Leatii</i> Ward.	201	xxxix	3	<b>pustula</b> Fer.
149				202	xvii	3	<b>labyrinthica</b> Say.
150	xlii	3-4	<b>hirsuta</b> Say. <i>H. stenotrema</i> Fer. <i>fraterna</i> Wood. <i>porcina</i> Say. <i>Tridopsis hirsuta</i> Beck.	204	xxxv		<b>ligera</b> Say. <i>H. Rufinesquea</i> Fer. <i>Wardiana</i> Lea.
153	xliv		<b>spinosa</b> Lea. (Car.)	206	xxxvi		<b>intertexta</b> Binn.
155	xliv		<b>Edgariana</b> Lea.	208	xxiv		<b>solitaria</b> Say. <i>Euryomphala solitaria</i>
156	xl a	3	<b>germana</b> Gould.	210	xxvi a		<b>strigosa</b> Gld. [Beck.
157	xl a	2	<b>maxillata</b> Gould.	211	xxii a	1	<b>sportella</b> Gould.
159	xviii		<b>Nuttalliana</b> Lea. <i>H. fidelis</i> Gray.	212	xxv		<b>alternata</b> Say. <i>H. scabra</i> Lam. <i>Patula alternata</i> Held. <i>Euryomphala alternata</i> Beck.
161	xix		<b>Townsendiana</b> Lea.	216	xxvi		<b>Cumberlandiana</b> Lea. <i>Carocolla Cumberlandiana</i> Lea.
163	xxi		<b>concava</b> Say. <i>H. planorboides</i> Fer. <i>Circinaria planorboides</i> Beck.	217	xxx	2	<b>striatella</b> Anth.
166	xx		<b>Vancouverensis</b> Lea. <i>H. concava</i> Binn.	219	xxx	3	<b>limatula</b> Binn.
169	v		<b>Columbiana</b> Lea.	221	xvii a	2	<b>minuscula</b> Binn. <i>H. minutissima</i> Lea.
170	xiii a		<b>labiosa</b> Gould.	222	xxxi		<b>fuliginosa</b> Griff. <i>H. lavigata</i> Fer. <i>capillacea</i> Pfr.
172	xlii	2	<b>Mobiliana</b> Lea.	225	xxxii		<b>lucubrata</b> Say. <i>H. lavigata</i> Fer.
174	xxix a	4	<b>saxicola</b> Pfr. <i>H. Mauriniana</i> D'Orb.	227	xxxiv		<b>inornata</b> Say.
175	xvii	1	<b>pulchella</b> Müll. <i>H. minuta</i> Say.	229	xxxiii		<b>subplana</b> Binn.
177	xxii		<b>profunda</b> Say. <i>H. Richardi</i> Fer.	230	xxiv	4	<b>cellaria</b> Müll. <i>H. glaphyra</i> Say. <i>nitida</i> Dr.
180	xxiii		<b>Sayii</b> Binn. <i>H. diodonta</i> Say.	232	xlii	1	<b>demissa</b> Binn.
				233	xxii a	2	<b>lucida</b> Dr. <i>H. nitida</i> Müll. <i>hydrophila</i> Ingalls.

Pa.	Plate.	Fig.	Name.	Pa.	Plate.	Fig.	Name.
235	xxix	3	<b>Helix arborea</b> Say.	278	lviii		<b>Bulimus virgulatus</b> Fer.
236	xxix	1	<b>electrina</b> Gould.				<i>Helix</i> ( <i>Cochlogena</i> ) <i>virgulata</i> Fer.
238	xxix a	3	<b>Otonis</b> Pfr. <i>H. arborea</i> Pfr., var.				<i>B. Caribbæorum</i> Lam. <i>multilineatus</i> Say. <i>Menkei</i> Green. <i>venosus</i> Rve.
239	xxix a	1	<b>capsella</b> Gould. <i>H. rotula</i> Gould.				
240	xxix a	2	<b>selenina</b> Gould.	280	l	1	<b>decollatus</b> Linn. <i>Helix decollata</i> Linn. <i>B. multilatus</i> Say. <i>mutilatus</i> Jay.
242	xix	2	<b>indentata</b> Say.				
243	xvii	4	<b>chersina</b> Say. <i>H. egena</i> .	283	lii	4	<b>lubricus</b> Müll. <i>Helix lubrica</i> Müll. <i>Achatina lubrica</i> Mke. <i>Zua lubrica</i> Leach. <i>Cionella lubrica</i> Jeffr. <i>Columna lubrica</i> lan. <i>Styloides lubricus</i> Fitz.
245							
245	xxii a	3	<b>egena</b> Say.				
247	xxx	4	<b>interna</b> Say. <i>H. pomum-Adami</i> Gr.				
250	xxxvii	3-4	<b>gularis</b> Say.				
253	xxxvii	1	<b>suppressa</b> Say.	285	liii	4	<b>subula</b> Pfr. <i>Achatina subula</i> Pfr. <i>B. octonoides</i> Orb. <i>procerus</i> Adams.
254	xxxvii	2	<b>lasmodon</b> Phillips.				
256	xxx	1	<b>perspectiva</b> Say. <i>H. parvula</i> Desh. <i>Euryomphala perspec-</i> <i>tiva</i> Beck. [Held. <i>Patula perspectiva</i>				
258	xlvi	3	<b>multidentata</b> Binn.	286	liii	1	<b>exiguus</b> Say. <i>Pupa exigua</i> Say = <b>Carychium</b> .
261	xlvi	1	<b>lineata</b> Say. [Beck. <i>Euryomphala lineata</i>	288	lii	1	<b>fallax</b> Gould. [Say. <i>Cyclostoma marginata</i> <i>Pupa fallax</i> Gould. <i>albilabris</i> Ad.
266	lv		<b>Bulimus fasciatus</b> Müll.	288	lii	1	<b>fallax</b> Gould. [Say. <i>Cyclostoma marginata</i> <i>Pupa fallax</i> Gould. <i>albilabris</i> Ad.
	lvi		<i>Buccinum fasciatum</i> Müll.	290	lii	3	<b>harpa</b> Say. <i>Helix harpa</i> Say. <i>Pupa costulata</i> Migh.
	lvii		<i>Bulla virginea</i> Linn. <i>fasciata</i> Chemn. <i>Bulim. vexillum</i> Brug. <i>Helix vexillum</i> Fer. <i>Achatina vexillum</i> Lk. <i>crenata</i> Sw. <i>pallida</i> Sw. <i>fasciata</i> Sw. <i>solida</i> Say.	293	liii	3	<b>Achatina gracillima</b> Pfr. <i>Bulim. gracillimus</i> Pfr. <i>A. striato-costata</i> Orb.
271	lii		<b>zebra</b> Müll. <i>Buccinum zebra</i> Müll. <i>Bulla zebra</i> Gmel. <i>Zebra Müllereri</i> Chem. <i>Bulimus undatus</i> Brug. <i>Helix undata</i> Fer. <i>Bulimus melanocheilus</i> Val. <i>Achat. pulchella</i> Spix. <i>Bulimus princeps</i> Brod. <i>Achat. flammigera</i> S.	294	liii	2	<b>pellucida</b> Pfr. <i>Tornatella Cubensis</i> Pfr.
				298	lxii a		<b>Glandina bullata</b> Gld. <i>G. truncata</i> Gould.
				299	lxii	1	<b>Vanuxemensis</b> Lea. <i>Achatina Vanuxemen-</i> <i>sis</i> Rve.
				301	lix		<b>truncata</b> Say. <i>Bulla truncata</i> Gmel. <i>Buccinum striatum</i> Ch. <i>Bulimus striatus</i> Brug. <i>Cochlicopa rosea</i> Fer. <i>Achatina rosea</i> Desh. <i>truncata</i> Orb.
274	l	2	<b>serperastrus</b> Say. <i>B. nitelinus</i> Rv. <i>lilacinus</i> Rv.	306	lxix	1	<b>Cylindrella pontifica</b> Gould. <i>Pupa pontifica</i> Gould.
276	li		<b>dealbatus</b> Say. <i>Helix dealbata</i> Say.				
	li a		<i>Zebrina dealbata</i> Held.				
	li b		<i>B. alternatus</i> Say. <i>Schiedeanus</i> Pfr. <i>lactarius</i> Mke.				
278							
278							

Pa.	Plate.	Fig.	Name.	Pa.	Plate.	Fig.	Name.
309	lxix	2	<b>Cylindrella lactaria</b> <i>Gd.</i> <i>Pupa (Siphonostoma)</i> <i>lactaria</i> Gould.	337	lxxi	1	<b>Vertigo milium</b> <i>Gould</i> (cut p. 338). <i>Pupa milium</i> Gould.
310	lxix	3	<b>jejuna</b> <i>Gould.</i>	339	lxxii	4	<b>Pupa corticaria</b> <i>Say</i> (cut p. 340). [ <i>Say.</i> <i>Odostomia corticaria</i>
316	lxviii		<b>Pupa maritima</b> <i>Pfr.</i>				
318			<i>P. incana</i> <i>Binn.</i>	341	lxx	1	<b>rupicola</b> <i>Say</i> (cut p. 342). <i>P. procera</i> <i>Gould.</i>
319	lii	2	<b>modica</b> <i>Gould.</i>	343	lxxii	3	<b>simplex</b> <i>Gould.</i> [ <i>Say.</i>
320	lxx	4	<b>armifera</b> <i>Say</i> (cut p. 322.) [ <i>Mich.</i> <i>P. armigera</i> <i>Pot. &amp;</i> <i>badia</i> <i>Ad.</i> (cut p. 324). 348 lxxii <b>Cyclostoma dentatum</b>	352	lxxiii		<b>Helicina orbiculata</b> <i>S.</i> <i>Oligyra orbiculata</i> <i>S.</i> <i>Helicina rubella</i> <i>Gr'n.</i> 252 <i>? castanea</i> <i>Sowb.</i> 253 <i>minuta</i> <i>Sowb.</i> 253 <i>Ambeliana</i> <i>De Roissy.</i> 254 <i>tropica</i> <i>lan.</i>
323	lxx	3	<b>contracta</b> <i>Say</i> (cut p. 327) lxxxi <b>decora</b> <i>Gould.</i> [326]. lxxiv 3 <b>pentodon</b> <i>Say</i> (cut p. 330). <i>Vertigo pentodon</i> <i>Say.</i> <i>P. curvidens</i> <i>Gould.</i> <i>Tappaniana</i> <i>Ad.</i>	354	lxxiv	4	<b>chrysocheila</b> <i>Binn.</i>
324	lxx	2		356	lxxiv	2	<b>occulta</b> <i>Say.</i> <i>Oligyra occulta</i> <i>Say.</i>
327	lxxi	3		358			<b>Helix divesta</b> <i>Gould.</i> <i>H. abjecta</i> <i>Gould.</i> <i>dejecta</i> <i>Gould.</i>
328	lxii	1					
331	lxxii	2	<b>variolosa</b> <i>Gould.</i>				
332	lxxi	2	<b>Vertigo Gouldii</b> <i>Binn.</i> (cut p. 333). <i>Pupa Gouldii</i> <i>Binn.</i>				
334	lxxi	4	<b>ovata</b> <i>Say</i> (cut p. 336). <i>Pupa ovata</i> <i>Gould.</i> <i>modesta</i> <i>Gould.</i>				

[Wood-cuts of the lingual ribbon of many of the species are also given.—W. G. B.]

## Vol. III, Plates.—1857.

Pa.	Plate.	Fig.	Name.	Pa.	Plate.	Fig.	Name.
9	xi a		<b>Helix bucculenta</b> <i>Gld.</i>	26			<b>Helix Nickliniana</b> <i>Lea.</i>
11			<b>devia</b> <i>Gould.</i> <i>H. Baskervillei</i> <i>Pfr.</i>	26			<b>Californiensis</b> <i>Rve.</i>
12			<b>ramentosa</b> <i>Gould.</i>	26			<b>Californiensis</b> <i>Lea.</i>
12			<b>æruginea</b> <i>Gould.</i>	27			<i>H. vineta</i> <i>Val.</i>
13			<b>infumata</b> <i>Gould.</i>	27			<b>divesta</b> <i>Gould.</i>
13			<b>Oregonensis</b> <i>Lea</i> =	31			<i>H. abjecta.</i>
14			<b>Dupetithouarsi</b> <i>Desh.</i>	31			<b>lucubrata</b> <i>Say.</i>
14			<b>areolata</b> <i>Sowb.</i>	31			<i>H. fuliginosa</i> <i>Rve.</i>
15			<b>Pandoræ</b> <i>Forbes.</i>	31			<b>septemvolva</b> <i>Say</i> (in- ternal lamina).
			<i>H. Damascenus</i> <i>Gld.</i>	33	xliv	2	<b>? triodonta</b> <i>lan.</i>
16			<b>exigua</b> <i>Stimpson.</i>	33			<b>polychroa</b> <i>Binn.</i>
17			<b>Hindsi</b> <i>Pfr.</i>	34			<i>H. rhodocheila</i> in pl.
17			<b>Hopetonensis</b> <i>Shuttl.</i>	34			<b>selenina</b> <i>Gould.</i>
18			<i>H. tridentata</i> <i>Binn.,</i>	34			<i>H. vortex</i> <i>Pfr.</i>
18			<b>Rugell</b> <i>Shuttl.</i> [var.]	34			<i>tenuistriata</i> <i>Bin.</i>
19			<b>mordax</b> <i>Shuttl.</i>	34			<b>Berlandieriana</b> <i>Mor.</i>
19			<b>Zonites placentula</b>	40	lxxii	1	<i>H. albolineata</i> in pl.
			<i>Shuttl.</i>				<b>Pupa Tappaniana</b> <i>Ad.</i>
20			<b>macilenta</b> <i>Shuttl.</i>				(right hand fig.)
20			<b>Helix uvulifera</b> <i>Shuttl.</i>				<b>curvidens</b> <i>Gould</i>
21			<b>barbigera</b> <i>Redf.</i>				(left hand fig.)
23			<b>Elliotti</b> <i>Redf.</i>				

**W. G. Binney.**—A Supplement to the same, constituting vol. iv: by W. G. BINNEY. (From the Boston Journal of Natural History, vol. vii, 1859.)<sup>1</sup>

## SECTION I.—THE SPECIES OF THE PACIFIC COAST.

Page.	Plate.	Fig.	Name.	Locality.
6			<b>Arion foliolatus</b> Gould.	Puget sound.
6			<b>Limax Columbianus</b> Gould.	Pisqually & Puget s.
6			<b>Succinea Nuttalliana</b> Lea.	Lewis river, Oregon.
6			<b>Oregonensis</b> Lea.	Oregon.
6	lxxix	14	<b>rusticana</b> Gould.	Oregon.
7			<b>cingulata</b> Forbes (e. l.)	Mazatlan.
7			<b>aperta</b> Lea (e. l.)	
7			<b>Helix tudiculata</b> Binney.	San Diego.
7			<b>Nickliniana</b> Lea.	California.
			<i>H. Californiensis</i> Chemn., &c.	
			<i>arboretorum</i> Val., &c.	
			<i>nemorivaga</i> Val.	
8	vi	1	<b>intercisa</b> W. G. Binney (mid. fig.)	Oregon.
			<i>H. Nickliniana</i> (var.) Binney.	
9	vi	1	<b>redimita</b> W. G. Binney.	California.
			<i>H. Nickliniana</i> (var.) Binney.	
11	lxxvi	5	<b>anachoreta</b> W. G. Binney.	California.
12			<b>reticulata</b> Pfr.	California.
12			<b>exarata</b> Pfr.	California.
13			<b>Californiensis</b> Pfr.	California.
			<i>H. vineta</i> Val.	
13			<b>ramentosa</b> Gould.	California.
14			<b>loricata</b> Gould.	California.
			<i>H. Leontii</i> Lea.	
14			<b>germana</b> Gould.	Oregon.
14			<b>fidelis</b> Gray.	Oregon.
			<i>H. Nuttalliana</i> Lea.	
15	lxxix	2	<b>infumata</b> Gould.	San Francisco.
15			<b>Townsendiana</b> Lea.	Oregon.
15	lxxvi	4	<b>arrosa</b> Gould.	San Francisco.
			<i>H. æruginosa</i> Gould.	
15	lxxvi	9	<b>Dupetithouarsi</b> Desh.	California & Oregon.
			<i>H. Oregonensis</i> Lea.	
15	lxxix	21	<b>Mormonum</b> Pfr.	Mormon island, Cal.
16			<b>Columbiana</b> Lea.	Oregon.
			<i>H. labiosa</i> Gould.	

<sup>1</sup> Extra limital and spurious species are respectively designated by the letters e. l. and sp. being affixed to their names.

Page.	Plate.	Fig.	Name.	Locality.
17	lxxix	13	<b>Helix devia</b> Gould. <i>H. Baskervillei</i> Pfr.	Oregon.
17	lxxvi	12	<b>Kelletti</b> Forbes.	San Diego.
18	lxxvi	8	<b>Pandoræ</b> Forbes. <i>H. damascenus</i> Gould.	Santa Barbara.
18	lxxvi	10	<b>levis</b> Pfr.	Columbia river.
19	lxxvi	11,3	<b>areolata</b> Sowerby.	Oregon & California.
19			<b>Vancouverensis</b> Lea. <i>H. vellicata</i> Forbes.	Columbia river.
19			<b>sportella</b> Gould.	San Diego, &c.
20	lxxvi	7	<b>Newberryana</b> W. G. B.	San Diego, &c.
22	lxxvi	6	<b>cultellata</b> Thompson.	Contra Costa co., Cal.
23			<b>strigosa</b> Gould.	Oregon, N. Mex., &c.
23			<b>Sagraiana</b> Orb. (sp.)	
23	lxxvi	1	<b>acutedenta</b> W. G. B. (e. l.)	
23	lxxvi	2	<b>Loisa</b> W. G. B. (e. l.)	
24			<b>aspersa</b> Müll. (e. l.)	
24			<b>Mazatlanica</b> Pfr. (e. l.)	
24	lxxix	15	<b>Bulimus Californicus</b> Rve.	California.
24	lxxix	12	<b>excelsus</b> Gould. <i>B. elatus</i> Gould.	California.
25			<b>chordatus</b> Pfr. (e. l.)	
25			<b>Humboldti</b> Rve. (e. l.)	
25			<b>Mexicanus</b> Lam. (e. l.)	
25			<b>zebra</b> Müll. (e. l.)	
25			<b>Ziegleri</b> Pfr. (e. l.)	
25			<b>vegetus</b> Gould (e. l.)	
25			<b>vesicalis</b> Gould (e. l.) <i>B. sufflatus</i> Gould.	
25			<b>Laurentii</b> Sowerby (e. l.)	
26	lxxix	19	<b>Achatina Californica</b> Pfr.	Monterey, Cal.
26			<b>Glandina Albersi</b> Pfr. (e. l.)	
26			<b>turris</b> Pfr. (e. l.)	
26	lxxix	8	<b>Melampus olivaceus</b> Carp.	Mazatlan.
28	lxxix	20	<b>Truncatella Californica</b> Pfr.	San Diego.
		22	<i>T. gracilentata</i> Gould.	

## SECTION II.—THE SPECIES EAST OF THE ROCKY MOUNTAINS.

Family **Limacea**.

29	<b>Vaginulus Floridanus</b> Binney.	Charlotte harbor.
30	<b>flexuolaris</b> (sp.)	
30	<b>fuscus</b> (sp.)	
30	<b>oxyurus</b> (sp.)	
30	<b>quadrilus</b> (sp.)	

Page.	Plate.	Fig.	Name.	Locality.
30			<b>Tebennophorus Carolinensis</b> <i>Limax Carolinensis</i> Bosc. <i>marmoratus</i> De Kay.	E'rn, Midd., S'rn and Binney. W'rn States.
31			<b>dorsalis</b> Binney. <i>Philomycus dorsalis</i> Binney. <i>Limax dorsalis</i> De Kay.	Mass. and Vermont.
31			<b>bilineatus</b> Cart. (sp.)	
31			<b>Arion hortensis</b> Dr.	Boston, &c.
31			<b>empiricorum</b> Fer. (sp.)	
31			<b>foliolatus</b> Gould (sp.)	
31			<b>Limax variegatus</b> Dr. <i>L. flavus</i> De Kay.	Boston, &c.
31			<b>agrestis</b> Müll.	Boston, &c.
32			<b>campestris</b> Binney.	Massachusetts, &c.
32			<b>Columbianus</b> Gould (sp.)	
32			<b>fuliginosus</b> Gould (sp.)	
32			<b>olivaceus</b> Gould (sp.)	
32			<b>lineatus</b> De Kay (sp.)	
32			<b>gracilis</b> Raf. (sp.)	
32			<b>Eumelus lividus</b> Raf. (sp.)	
32			<b>nebulosus</b> Raf. (sp.)	
32			<b>Deroceras gracilis</b> Raf. (sp.)	
32			<b>Philomycus flexuolaris</b> Raf. (sp.) <i>fuscus</i> Raf. (sp.)	
32			<i>oxyurus</i> Raf. (sp.)	
32			<i>quadrilus</i> Raf. (sp.)	
32			<b>Testacina</b> Raf. (sp.)	
32			<b>Urcinella</b> Raf. (sp.)	
32			<b>Zilotea</b> Raf. (sp.)	
Family <b>Helicea.</b>				
32	lxxix	9	<b>Vitrina Angelicæ</b> Bk. <i>Helix pellucida</i> Fabr. <i>domestica</i> Ström.	Greenland.
33			<b>limpida</b> Gould. <i>V. pellucida</i> De Kay. <i>Americana</i> Pfr.	From Maine & Lake Superior north.
34			<b>Succinea campestris</b> Say.	South Carolina, &c.
34	lxxx	11	<b>inflata</b> Lea. <i>S. campestris</i> (var.) Binney.	Georgia.
35			<b>obliqua</b> Say. <i>S. lineata</i> De Kay.	Canada to Arkansas.
35			<b>Totteniana</b> Lea. <i>S. obliqua</i> (var.) Binney.	Rhode Island, &c.



Page.	Plate.	Fig.	Name.	Locality.
35			<b>Succinea avara</b> Say. <i>S. vermata</i> Say? <i>Wardiana</i> Lea.	Whole country.
37			<b>aurea</b> Lea. <i>S. ovalis</i> (var.) Anthony.	New York and Ohio.
37	lxxix	7	<b>retusa</b> Lea. <i>S. campestris</i> Anthony.	Ohio.
38	lxxx	4	<b>Grœnlandica</b> Beck.	Greenland.
38	lxxx	5	<b>lineata</b> W. G. Binney.	Nebraska Territory.
40	lxxix	1	<b>Haydeni</b> W. G. Binney.	Nebraska Territory.
41			<b>luteola</b> Gould. <i>S. Texasiana</i> Pfr.	Texas.
41			<b>Concordialis</b> Gould. <i>S. munita</i> Binney.	L. Concordia, Tex.
41	lxxx	12	<b>effusa</b> Shuttl.	East Florida.
42	lxxix	18	<b>Salleana</b> Pfr. <i>putris</i> Linn. (sp.) <i>amphibia</i> Dr. (sp.)	New Orleans.
43			<b>Helix major</b> Binney. <i>H. albolabris</i> Pf.	Tenn. to Florida.
43			<b>albolabris</b> Say. <i>H. rufa</i> De Kay.	S. Car. to Arkansas, north to Canada.
45			<b>multilineata</b> Say.	N'n, Mid., W'n St's, west of Aleg. mts.
45			<b>Pennsylvanica</b> Green. <i>H. Mitchelliana</i> Desh.	Middle States.
46			<b>clausa</b> Say. <i>H. Pennsylvanica</i> Pfr. <i>Mitchelliana</i> Chemn.	W'n & S'n States.
47	iv		<b>Mitchelliana</b> Lea. <i>H. clausa</i> pars Binney.	Ohio.
49	lxxvii	22	<b>Berlandieriana</b> Mor. <i>H. pachyloma</i> Mke. <i>virginalis</i> Pfr.	Southw'n States and Mexico.
50	lxxvii	20	<b>griseola</b> Pfr. <i>H. cicercula</i> Fer. <i>splendidula</i> Anton. <i>albocincta</i> Binney. <i>albozonata</i> Binney. <i>albolineata</i> Gould. <i>Brandybœna pisum</i> Beck.	Texas, Mexico, and Central America.
51			<b>hortensis</b> Müll. <i>H. subglobosa</i> Binney. <i>memoralis</i> Stimp.	Greenland, & Conn. ? introduced on isl's of N. Atlan. coast.
51	lxxvii	4	<b>aspera</b> Müll.	

Page.	Plate.	Fig.	Name.	Locality.
51			<b>Helix divesta</b> Gould.	
			<i>H. abjecta</i> Gould.	
51	lxxviii	22	<b>varians</b> Mke.	Florida.
			<i>H. carnicolor</i> Pfr.	
			<i>pisana</i> Chemn.	
			<i>submeris</i> Mighels.	
			<i>rhodocheila</i> Binney.	
			<i>polychroa</i> Binney.	
52			<b>elevata</b> Say.	N'n & Middle St's.
			<i>H. Tennesseensis</i> Lea.	
53	lxxvii	10	<b>Clarkii</b> Lea.	North Carolina.
53			<b>thyroides</b> Say.	Canada to Texas.
			<i>Anchistoma thyroides</i> Ad., Gen.	
54			<b>bucculenta</b> Gould.	
			<i>H. thyroides</i> $\beta$ Pfr.	
54			<b>exoleta</b> Binney.	Georgia to Texas.
			<i>H. zaleta</i> Binney.	[Ga., &c.
			<i>albolabris</i> (var.) Pfr., &c.	Midd. & N'n States,
55			<b>dentifera</b> Binney.	N. Y., Ohio, Vt., Va.,
55	lxxvii	3	<b>Roemeri</b> Pfr.	Texas. [Me., Pa.
			<i>H. dentifera</i> Pfr.	
56			<b>palliat</b> Say.	Whole country?
			<i>H. denotata</i> Fer.	
57			<b>obstricta</b> Say.	Ohio.
			<i>H. palliat</i> (var.) Binney.	
			<i>denotata</i> (var.) Fer.	
			<i>appressa</i> (var.) Desh.	
			<i>Carocolla helicoides</i> Lea.	
59			<b>appressa</b> Say.	W'n, Southw'n, &
			<i>H. linguifera</i> Fer.	Southern States.
59			<b>inflecta</b> Say.	Canada to Texas.
			<i>H. clausa</i> Raf. ( <i>Xolotrema</i> .)	
60	lxxviii	15	<b>Rugeli</b> Shuttl.	Tennessee.
60			<b>monodon</b> Rack.	Canada to Texas.
			<i>H. fraterna</i> Say.	
			<i>Leaui</i> Ward.	
			<i>hirsuta</i> Fer.	
			<i>convexa</i> Pfr.	
61.			<b>stenotrema</b> Fer.	S'n & W'n States.
			<i>H. hirsuta</i> (var.) Binney.	
62			<b>hirsuta</b> Say.	Canada to Texas.
			<i>H. sinuata</i> $\gamma$ Gmelin.	
			<i>isognomostomus</i> $\gamma$ Gmelin.	
			<i>convexa</i> Raf. ( <i>Stenostoma</i> .)	
			<i>porcina</i> Say?	
			<i>Tridopsis hirsuta</i> Woodw.	

Page.	Plate.	Fig.	Name.	Locality.
63	lxxvii	2	<b>Helix barbiger</b> Redf.	Georgia.
63	lxxviii	7, 9	<b>Edwardsi</b> Bland.	Virginia.
65			<b>spinosa</b> Lea.	Ala., Ga., Tenn.
65			<b>Edgariana</b> Lea.	Tenn., Ark., Ala.
65			<b>maxillata</b> Gould.	Tennessee, Georgia.
65			<b>concava</b> Say.	Whole country.
			<i>H. planorboides</i> Raf.	
			<i>dissidens</i> Desh.	
67			<b>jejuna</b> Say.	Ala., Ga., Florida.
			<i>H. Mobiliana</i> Lea, Binney.	
68			<b>incrustata</b> Poey.	Texas.
			<i>H. saxicola</i> Gould.	
69			<b>pulchella</b> Müll.	Whole country?
			<i>H. costata</i> Müll.	
			<i>minuta</i> Say.	
70			<b>profunda</b> Say.	Middle States, &c.
			<i>H. Richardi</i> Fer.	
70			<b>Sayii</b> Binney.	Illinois to Me. & Pa.
			<i>H. diodonta</i> Say.	
70			<b>tridentata</b> Say.	All the States.
			<i>Tridopsis lunula</i> Raf.	
71			<b>fallax</b> Say.	All the States?
			<i>H. tridentata</i> (var.) Binney.	
72	lxxvii	16	<b>Hopetonensis</b> Shuttl.	Florida and Georgia.
72	lxxvii	14	<b>ventrosula</b> Pfr.	Texas. [Natchez.
73			<b>auriculata</b> Say (Polyg.)	Fla., S. C., Ga., and
74			<b>avara</b> Say (Polyg.)	
			<i>H. auriculata</i> pars. Binney.	
			<i>Sayii</i> Wood.	
75			<b>uvulifera</b> Shuttl. (fig.)	Florida.
			<i>H. florulifera</i> Rve.	
			<i>auriculata</i> min. Fer.	
75			<b>vultuosa</b> Gould.	Texas.
76	lxxviii	1, 3, 4	<b>Ariadnæ</b> Pfr.	Texas?
			<i>H. Couchiana</i> Lea.	
77	lxxviii	19	<b>hippocrepis</b> Pfr.	Texas.
79			<b>Texasiana</b> Mor.	Texas.
			<i>H. tridonta</i> Fer.	
			<i>auriculata</i> Binney, olim.	
			<i>Tamaulipasensis</i> Lea.	
80	lxxviii	24	<b>Mooreana</b> W. G. Binney.	Texas.
81	lxxviii	21	<b>tholus</b> W. G. Binney.	Texas.
82			<b>fatigiata</b> Say.	Tennessee.
			<i>H. fatigiata</i> Binney, pars.	
			<i>auriculata</i> Binney olim.	

Page.	Plate.	Fig.	Name.	Locality.
			<i>H. Texasiana</i> (var. $\beta$ ) Desh.	
			<i>Dorfeulliana</i> Desh.	
			<i>Helicina fastigiata</i> Desh.	
84	lxxviii	13	<b>Helix Hazardi</b> Bland.	Tenn. & Kentucky.
			<i>Polygyra plicata</i> Say.	
			<i>H. fatigiata</i> Binney, pars.	
			<i>Texasiana</i> Pfr., &c.	
			<i>Dorfeulliana</i> Desh.	
			<i>Troostiana</i> W. G. Binney.	
			<i>Helicina plicata</i> De Kay.	
86	lxxviii	2, 14	<b>Dorfeulliana</b> Lea.	Ohio.
			<i>Polygyra Dorfeulliana</i> Lea.	
			<i>H. fatigiata</i> Binney, pars.	
88	lxxviii	11	<b>Troostiana</b> Lea (Pol.)	Tennessee.
			<i>H. fatigiata</i> Binney, pars.	
			<i>plicata</i> Shuttl., &c.	
90	lxxvii	23	<b>cereolus</b> Muhlf.	Florida.
			<i>Polygyra septemvolva</i> Say.	
			<i>H. planorbula</i> Lam., &c.	
			<i>septemvolva</i> Binney.	
91	lxxviii	23	<b>microdonta</b> Desh.	Florida and Texas.
			<i>H. plana</i> Dunk.	
92	lxxviii	17	<b>volvaxis</b> Pfr.	Georgia and Florida.
			<i>Polygyra septemvolva</i> Beck.	
92	lxxviii	5, 6, 8	<b>Hindsii</b> Pfr.	Texas.
92			<b>leporina</b> Gould.	Miss., Ark., Ga., Ill., and Ind.
			<i>H. pustula</i> $\beta$ Pfr.	
93			<b>pustuloides</b> Bland.	Georgia.
			<i>H. pustula</i> Binney in pl. non Fer.	
94	lxxvii	12	<b>pustula</b> Fer.	Ga., Fla., & Texas.
95			<b>labyrinthica</b> Say.	Whole country.
95			<b>ligera</b> Say.	W'rn St's, Ky., Pa., and Ark.
			<i>H. Rafinesquea</i> Fer.?	
			<i>Wardiana</i> Lea.	
96			<b>intertexta</b> Binney.	W'rn & Mid. St's, &c.
96			<b>solitaria</b> Say.	W'rn, S. W'rn, &c.
97	lxxvii	11	<b>Cooperi</b> W. G. Binney.	Nebraska.
98			<b>alternata</b> Say.	Whole country.
			<i>H. scabra</i> Lam.	
			<i>inflecta</i> Pfr.	
			<i>strongylodes</i> Pfr.	
99			<b>mordax</b> Shuttl.	North Carolina.
99			<b>Cumberlandiana</b> Lea.	West Tennessee.
			<i>Carocola Cumberlandiana</i> Lea.	

Page.	Plate.	Fig.	Name.	Locality.
99			<b>Helix striatella</b> <i>Anthony.</i> <i>H. ruderata</i> Adams.	E'rn, W'rn, and N'rn States, &c.
100			<b>limatula</b> <i>Binney.</i>	Northern States.
100	lxxvii	6, 7	<b>minutissima</b> <i>Lea.</i> <i>H. minuscula</i> teste Binney.	Ohio and N. York.
101	lxxix	4, 5	<b>miliun</b> <i>Morse.</i>	Maine.
102	lxxvii	19	<b>exigua</b> <i>Stimp.</i> <i>H. annulata</i> Case. <i>striatella</i> jun. Gould.	Mass. and Canada.
102			<b>minuscula</b> <i>Binney.</i> <i>H. minutalis</i> Mor. <i>apex</i> Adams. <i>Lavelleana</i> Orb. in text. <i>Mauriniana</i> Orb. in tab.	Whole country.
103	lxxvii	9	<b>asteriscus</b> <i>Morse.</i> <i>H. minutissima</i> Gould.	Maine.
104	lxxx	14	<b>kopnodes</b> <i>W. G. Binney.</i>	Alabama.
105			<b>fuliginosa</b> <i>Binney.</i> <i>H. lævigata</i> Fer. teste A. B. non W. G. B. <i>capillacea</i> Pfr. <i>Omphalina cuprea</i> Raf. ?	Whole country?
106	lxxx	2	<b>friabilis</b> <i>W. G. Binney.</i>	Ind., Ill., Ala., Tex.
107			<b>caduca</b> <i>Pfr.</i>	Texas.
108			<b>lævigata</b> <i>Pfr.</i> <i>H. lucubrata</i> Binney, non Say. <i>fuliginosa</i> Binney, olim. <i>inornata</i> Rve.	W'rn & S'rn States.
109			<b>inornata</b> <i>Say.</i> <i>H. glaphyra</i> Pfr.	N'rn, N. E'rn, W'rn, and Mid. St's, &c.
110			<b>subplana</b> <i>Binney.</i>	Tennessee.
110	lxxvii	15	<b>sculptilis</b> <i>Bland.</i>	North Carolina.
111			<b>cellaria</b> <i>Müll.</i> <i>H. glaphyra</i> Say.	N. E'rn & Mid. St's.
115	lxxix	10	<b>bulbina</b> <i>Desh.</i>	B'ks of O., Mo., Miss.
116			<b>demissa</b> <i>Binney.</i>	Pennsylvania.
116			<b>lucida</b> <i>Dr.</i> <i>H. nitida</i> Müll. <i>hydrophila</i> Ing.	New York and Ohio.
116			<b>arborea</b> <i>Say.</i>	U. S. and Canada.
116	lxxvii	18	<b>Elliotti</b> <i>Redf.</i>	Georgia and N. C.
117			<b>electrina</b> <i>Gould.</i>	E'rn, Mid., W'rn, &
117			<b>Ottonis</b> <i>Pfr.</i>	Florida. [S'rn St's.
117			<b>Steenstrupii</b> <i>Morch.</i> <i>Helicella Steenstrupii</i> Morch. <i>H. nitida</i> Fabr. <i>alliaris</i> Forb.	Greenland.

Page.	Plate.	Fig.	Name.	Locality.
117			<b>Helix capsella</b> Gould. <i>H. rotula</i> Gould. <i>placentula</i> Shuttl.	Tennessee.
117			<b>vortex</b> Pfr. <i>H. selenina</i> Gould in vol. ii.	Georgia and Florida.
118			<b>tenuistriata</b> Binney. <i>H. selenina</i> Gould in vol. iii.	Tennessee.
119			<b>indentata</b> Say.	Whole country.
119			<b>chersina</b> Say. <i>H. fulva</i> teste Mighels, &c.	Whole country.
119			<i>egena</i> Say = <b>chersina</b> teste Binn.	Pennsylvania.
120	lxxvii	17	<b>Fabricii</b> Beck. <i>H. nitida</i> Fabr. <i>Conulus Fabricii</i> Morch. <i>H. Hammonis</i> Ström. ?	Greenland.
121			<b>Gundlachi</b> Pfr. <i>H. pusilla</i> Pfr. <i>egena</i> Gould, non Say.	Florida.
121			<b>interna</b> Say.	Western States, &c.
121			<b>gularis</b> Say. <i>H. bicostata</i> Pfr. <i>Rafinesquea</i> Fer. ?	Tennessee, Alabama, Ohio, and Penn.
122			<b>suppressa</b> Say. <i>H. gularis</i> (var.) Pfr.	Middle States, Ala., and Florida.
122			<b>lasmodon</b> Phillips. <i>H. macilenta</i> Shuttl. in vol. iii.	Alabama and Tenn.
122			<b>perspectiva</b> Say. <i>H. patula</i> Desh.	N'rn, W'rn, S'rn, and Middle States, &c.
123			<b>multidentata</b> Binney.	Vt., Ohio, Me., N. Y.
123			<b>lineata</b> Say.	Whole country.
123			<b>arborum</b> Linn. (sp.)	
124			<b>Bonplandi</b> Lam. (sp.)	
124			<i>corpuloides</i> Mont. = <b>Delphinoidea</b> .	
124			<i>harpa</i> Say = <b>Bulimus</b> .	
124			<i>dealbata</i> Say = <b>Bulimus</b> .	
124			<b>depicta</b> Grat. (sp.)	
124			<i>domestica</i> Ström. = <b>Vitrina Angelicæ</b> ?	
124			<b>hieroglyphica</b> Beck. (sp.)	
124			<b>hispidata</b> Linn. (sp.)	Canada ?
124			<i>irrorata</i> Say = <b>lactea</b> Müll.	Pennsylvania ?
125			<b>nemoralis</b> Linn. (sp.)	
125			<i>pellucida</i> Fabr. = <b>Vitrina Angelicæ</b> .	
125			<b>pisana</b> Müll. (sp.)	
125			<i>subcylindrica</i> Pult. = <b>Truncatella</b> .	
125			<i>Trumbulli</i> Linsl. = { <b>Margarita arctica</b> ? { <b>Skenea serpuloides</b> teste Gl.	

Page.	Plate.	Fig.	Name.	Locality.
125			<b>Helix virgata</b> Mont. (sp.)	
125	lxxvii	13	<b>Bulimus zebra</b> Müll.	Florida, Louisiana?
	lxxviii	12	<i>Agatina fuscata</i> Raf.	
126			<b>serperastrus</b> Say.	Texas.
			<i>B. nitelinus</i> Rve.	
			<i>lilacinus</i> Rve.	
			<i>Liebmanni</i> Pf.	
			<i>Ziebmanni</i> β Rve.	
			<i>nitelinus</i> γ Rve.	
126	lxxx	3, 1?	<b>alternatus</b> Say.	Louisiana, Texas.
			<i>B. lactarius</i> Pfr.	
			<i>dealbatus</i> pars Binney.	
128			<b>Mariæ</b> Albers.	Texas.
128			<b>Binneyanus</b> Pfr.	Texas.
			<i>B. dealbatus</i> (var.) Binney.	
			<i>Schiedeanus</i> Gould, vol. iii.	
129	lxxx	8, 15	<b>Schiedeanus</b> Pfr.	Texas.
129	lxxx	13	<b>patriarcha</b> W. G. Binney.	Texas.
130	lxxx	6, 7	<b>dealbatus</b> Say.	Southwestern St's.
			<i>Helix dealbata</i> Say.	
			<i>B. confinis</i> Rve.	
			<i>liquabilis</i> Rve.	
132			<b>multilineatus</b> Say.	Florida.
			<i>B. virgulatus</i> Binn. vol. iii, excl., syn. non Fer.	
132	lxxx	10	<b>Dormani</b> W. G. Binney.	St. Augustine.
134	lxxix	3	<b>Floridanus</b> Pfr.	Florida.
134			<b>decollatus</b> Linn.	Charleston, S. C.
			<i>B. mutilatus</i> Say.	
134			<b>subula</b> Pfr.	Florida.
			<i>Achatina subula</i> Pfr.	
			<i>B. hortensis</i> Adams.	
134			<b>gracillimus</b> Pfr.	East Florida.
			<i>Achatina gracillima</i> Pfr.	
135			<b>Gossei</b> Pfr.	Texas.
135			<b>harpa</b> Say.	N. W. Terr., Maine.
			<i>Helix harpa</i> Say.	
136			<b>marginatus</b> Say.	Whole country?
			<i>Cyclostoma marginata</i> Say.	
			<i>Pupa fullax</i> Say.	
			<i>albilabris</i> Adams.	
			<i>Parraiana</i> Orb.	
			<i>placida</i> Say?	
			<i>B. fallax</i> Gould.	
137			<b>accula</b> Müll. }	Introduced.
137			<b>octona</b> Brug. }	

Page.	Plate.	Fig.	Name.	Locality.
137			<i>Bulimus exiguus</i> Binney = <b>Carychium exiguum</b> .	
137			<i>fasciatus</i> Binney = <b>Achatina</b> .	
137			<i>Gossei</i> Pfr. } = <b>Macr. pontificus</b> ?	
137			<i>Kieneri</i> Pfr. }	
137			<i>lubricus</i> Adams = <b>Achatina</b> .	
137			<i>obscurus</i> vid. <b>Pupa placida</b> .	
137			<i>striatus</i> Brug. = <b>Glandina truncata</b> .	
137			<i>vexillum</i> Brug. } = <b>Achatina fasciata</b> .	
137			<i>zebra</i> Orb. }	
137			<b>vermetus</b> Anthony (sp.)	Cincinnati.
137			<b>Macroceramus pontificus</b> Gld.	E. Florida and Cuba.
			<i>Bulimus Kieneri</i> ?	
			<i>Pupa pontifica</i> Gould.	
138			<b>Achatina fasciata</b> Müll.	Florida.
			<i>Bulimus fasciatus</i> Binney.	
			<i>Buccinum fasciatum</i> Müll.	
			<i>A. solida</i> Say.	
			<i>picta</i> Rve., &c. &c.	
			<i>Agatina variegata</i> Raf.	
138			<b>lubrica</b> Müll.	N. W. Terr., N. E'rn and Midd. States.
			<i>Bulimus lubricus</i> Binney.	
			<i>lubricoides</i> St., &c. &c.	
138			<b>virginea</b> Jay (sp.)	
			<i>Bulimus vexillum</i> De Kay.	
138			<i>bullata</i> Pfr. } = <b>Glandina</b> .	
139			<i>striata</i> De Kay. }	
139			<i>Texasiana</i> Pfr. }	
139			<i>truncata</i> Pfr. }	
139			<i>Vanuxemensis</i> Pfr. }	
139			<b>flammigera</b> De Kay (sp.)	
139			<i>flammigera</i> Say = <b>Bulimus zebra</b> .	
139			<i>gracillima</i> Pfr. = <b>Bulimus</b> .	
139			<i>pellucida</i> Binney = <b>Blauneria pellucida</b> .	
139			<i>rosea</i> Desh. = <b>Glandina truncata</b> .	
139			<i>subula</i> Pfr. = <b>Bulimus</b> .	
139			<b>Glandina bullata</b> Gould.	Louisiana.
			<i>Achatina bullata</i> Pfr.	
			<i>Oleacina bullata</i> Gr. and Pf.	
139	lxi	1	<b>corneola</b> W. G. Binney.	Texas and Mexico.
			<i>G. truncata</i> (var.) Binney.	
140	lxii	2	<b>parallela</b> W. G. Binney.	Louisiana.
			<i>G. truncata</i> (var.) Binney.	
140	lxxvii	21	<b>Texasiana</b> Pfr.	Texas.
			<i>G. truncata</i> (var.) Binney.	
			<i>Achatina Texasiana</i> Pfr.	



Page.	Plate.	Fig.	Name.	Locality.
141	lxxx	9	<b>Glandina truncata</b> <i>Gmelin.</i> <i>Achatina truncata</i> Pfr., &c. <i>Planorbis glans</i> De Kay. <i>Oleacina truncata</i> Gr. and Pfr. <i>Achatina striata</i> Ch.	Southern States.
141			<b>Vanuzemensis</b> <i>Lea.</i> <i>Achatina Vanuzemensis</i> Pfr. <i>Oleacina Vanuzemensis</i> Gr. and Pfr.	Texas and Mexico.
141	lxxix	17	<b>Pupa incana</b> <i>Binney.</i> <i>P. maritima</i> Gould, non Pfr. <i>detrita</i> Shuttl.	Florida and Cuba.
142			<b>modica</b> <i>Gould.</i>	Florida.
142			<b>armifera</b> <i>Say.</i> <i>P. rupicola</i> Pfr. Symb.	Whole country?
142			<b>badia</b> <i>Adams.</i> <i>P. muscorum</i> teste Pfr.	Crown Point.
143			<b>contracta</b> <i>Say.</i> <i>P. corticaria</i> Pfr. Symb. <i>deltostoma</i> Charp. <i>Vertigo contracta</i> Ad. Gen.	Whole country?
143			<b>decora</b> <i>Gould.</i> <i>Vertigo decorata</i> Ad. Gen.	Lake Superior.
143			<b>pentodon</b> <i>Say.</i> <i>Vertigo pentodon</i> <i>Say.</i> <i>P. curvidens</i> <i>Gould.</i> <i>Tappaniana</i> <i>Ward.</i>	Whole country?
144			<b>placida</b> <i>Say.</i> <i>P. fallax</i> teste De Kay, &c. <i>Bulinus hordeaceus?</i> teste De Kay. <i>obscurus</i> teste Gould, &c.	Massachusetts.
145			<b>rupicola</b> <i>Say.</i> <i>Carychium?</i> <i>rupicola</i> <i>Say.</i> <i>P. procera</i> <i>Gould.</i> <i>carinata</i> <i>Gould.</i> <i>gibbosa</i> <i>Chemn.</i> <i>minuta</i> <i>Pfr.</i> <i>Vertigo rupicola</i> <i>Binney.</i> <i>minuta</i> <i>Ads. Gen.?</i>	Ark., S. C., Md., Fla., and St. Croix.
146			<b>variolosa</b> <i>Gould.</i> <i>Vertigo variolosa</i> <i>Ads. Gen.</i>	East Florida.
146			<b>corticaria</b> <i>Say.</i> <i>Odostomia corticaria</i> <i>Say.</i> <i>Carychium corticaria</i> <i>Fer.</i>	Mid. States & Miss.
147			<b>pellucida</b> <i>Pfr.</i>	Texas and Cuba.

Page.	Plate.	Fig.	Name.	Locality.
147			<b>Pupa Hoppii</b> Möll. <i>P. Steenbuchii</i> Beck.	Greenland.
147			<i>albilabris</i> Adams = <b>Bulimus marginatus</b> .	
147			<i>costulata</i> Mighels = <b>Bulimus harpa</b> .	
147			<i>exigua</i> Say = <b>Carychium</b> .	
147			<i>fallax</i> Say = <b>Bulimus marginatus</b> .	
148			<i>Gouldii</i> Binney } = <b>Vertigo</b> .	
148			<i>milium</i> Gould }	
148			<i>modesta</i> Say }	
148			<i>ovata</i> Gould } = <b>Vertigo ovata</b> .	
148			<i>ovulum</i> Pfr. }	
148			<i>Parraiana</i> Orb. = <b>Bulimus marginatus</b> .	
148			<i>simplex</i> Gould = <b>Vertigo</b> .	
148			<i>unicarinata</i> Binney = <b>Macr. pontificus</b> .	
148			<b>Vertigo Gouldii</b> Binney.	N. England, Penn'a,
			<i>Pupa Gouldii</i> Binney.	N. Y., and Md.
148			<b>milium</b> Gould.	New England, Ohio,
			<i>Pupa milium</i> Gould.	Mississippi.
148			<b>ovata</b> Say.	Whole country?
			<i>Pupa ovata</i> Gould, &c.	
			<i>modesta</i> Say.	
			<i>ovulum</i> Pfr.	
148			<b>simplex</b> Gould.	Mass. and Conn.
			<i>Pupa simplex</i> Gould, &c.	
149			<i>contracta</i> Ads. Gen. } = <b>Pupa</b> .	
149			<i>decora</i> Ads. Gen. }	
149			<i>minuta</i> Ads. Gen. = <b>Pupa rupicola</b> .	
149			<i>pentodon</i> Say } = <b>Pupa</b> .	
149			<i>rupicola</i> Binney. }	
149			<b>Cylindrella variegata</b> Pfr.	Florida?
			<i>C. lactaria</i> Gould.	
149			<b>Poeyana</b> Orb.	Florida.
			<i>Pupa Poeyana</i> Orb.	
			<i>C. lactaria</i> Binney in tab.	
150			<b>jejuna</b> Gould.	Florida.
			<i>C. variegata</i> teste Pfr.	
150			<b>Roemeri</b> Pfr.	New Braunfels, Tex.
151	lxxix	23	<b>Goldfussi</b> Pfr.	Texas.
151			<i>pontifica</i> Gould = <b>Macroceramus</b> .	
152			<i>Aplodon nodosum</i> Raf.	
152			<i>Chimotrema planiuscula</i> Raf.	
152			<i>Hemiloma avara</i> Raf.	
152			<i>Mesodon maculatum</i> Raf.	
152			<i>Mesomphix</i> Raf.	
152			<i>Odotropis</i> Raf.	

Page.	Plate.	Fig.	Name.	Locality.
152			<i>Omphalina cuprea</i> Raf. = <b>Helix fuliginosa?</b>	
152			<i>Stenostoma</i> Raf.	
152			<i>Stenotrema convexa</i> Raf.	
152			<i>Toxostoma globularis</i> Raf.	
152			<i>Toxotrema complanata</i> Raf.	
152			<i>Triodopsis lunula</i> Raf.	
152			<i>Trophodon</i> Raf.	
152			<i>Xolotrema lunula</i> Raf.	
152			<i>triodopsis</i> Raf.	
152			<i>Partula Otaheitana</i> Fer. (e. l.)	
<b>Family Auriculacea.</b>				
156	lxxv	23	<b>Melampus bidentatus</b> Say.	Whole coast.
			<i>M. biplicatus</i> Pfr.	
			<i>corneus</i> Stimp.	
			<i>Jaumei</i> Pfr.	
			<i>lineatus</i> Beck.	
			<i>Auricula cornea</i> Desh.	
			<i>bidentata</i> Gould.	
			<i>Jaumei</i> Mitre.	
			<i>biplicata</i> Desh.	
			<i>Conovulus biplicatus</i> Beck.	
161	lxxv	12, 13	<b>cingulatus</b> Pfr.	Florida and W. I.
			<i>Auricula oliva</i> Orb.	
			<i>stenostoma</i> Küst.	
			&c. &c.	
162	lxxv	21, 25	<b>coffea</b> Linn.	Fla., Mex., & W. I.
			(Synonyms all foreign.)	
165	lxxv	30	<b>Floridanus</b> Pfr.	Florida.
			(Synonyms all foreign.)	
166			<b>flavus</b> Gmelin (cut).	Florida.
			(Synonyms all foreign.)	
167			<b>obliquus</b> Say.	South Carolina.
			<i>Auricula obliqua</i> De Kay.	
168	lxxv	29	<b>pusillus</b> Gmelin.	Florida.
			(Synonyms all foreign.)	
170			<b>Redfieldi</b> Pfr.	Florida?
171			<i>borealis</i> Conrad	} = <b>Alexia myosotis.</b>
171			<i>denticulatus</i> Stimp.	
171			<i>Auricula bidentata</i>	} = <b>Melampus.</b>
171			<i>biplicata</i>	
171			<i>cingulata</i>	
171			<i>coniformis</i>	
171			<i>cornea</i>	
172			<i>denticulata</i>	

Page.	Plate.	Fig.	Name.	Locality.
172			<i>Auricula Floridana</i> = <b>Melampus.</b>	
172			<i>Jaumei</i> = <b>Melampus bidentatus.</b>	
172			<i>nitens</i> = <b>pusillus.</b>	
172			<i>obliqua</i> = <b>obliquus.</b>	
172			<i>oliva</i> = <b>cingulatus.</b>	
172			<i>pusilla</i> = <b>pusilius.</b>	
172			<i>Sayii</i> = <b>Leuconia.</b>	
172			<i>stenostoma</i> = <b>Melampus cingulatus.</b>	
172	lxxv	33	<b>Alexia myosotis</b> <i>Drap.</i>	Mass., N. Y., R. I.
	lxxix	16	<i>Auricula denticulata</i> <i>Gould.</i>	
			<i>Melampus denticulatus</i> <i>Stimp.</i>	
			<i>borealis</i> <i>Conrad.</i>	
			<i>turritus</i> <i>Say</i> <i>ined.</i>	
175			<b>Blauneria pellucida</b> <i>Pfr.</i>	Florida, S. Carolina.
			<i>Achatina pellucida</i> <i>Binney.</i>	
			(Other synonyms foreign.)	
177	lxxv	34	<b>Leuconia (?) Sayii</b> <i>Küster.</i>	
			<i>Auricula Sayii</i> <i>Küst.</i>	
178			<b>Carychium exiguum</b> <i>Say.</i>	Whole country?
			<i>Pupa exigua</i> <i>Say.</i>	
			<i>Bulimus exiguus</i> <i>Binney.</i>	
			<i>C. exile</i> <i>H. C. Lea.</i>	
			<i>existelium</i> <i>Bourg.</i>	
			<i>euphæum</i> <i>Bourg.</i>	
183			<i>armigerum</i> } = <b>Pupa.</b>	
183			<i>contractum</i> }	
183			<i>rupicolum</i> }	
183			<i>corticarium</i> }	

#### Family **Aciculacea.**

185	lxxv	2, 4	<b>Truncatella Caribæensis</b> <i>Sowb.</i>	Fla., Mexico, Ala.
			(Synonyms all foreign.)	
186	lxxv	5, 6, 8	<b>subcylindrica</b> <i>Gray.</i>	Florida.
188	lxxv	3, 7	<b>bilabiata</b> <i>Pfr.</i>	Florida.
189	lxxv	1, 9, 10	<b>pulchella</b> <i>Pfr.</i>	Florida.

#### Family **Cyclostomacea.**

191	lxxv	24	<b>Chondropoma dentatum</b> <i>Say.</i>	Florida.
			<i>Cyclostoma dentatum</i> <i>Say.</i>	
191			<i>Cyclostoma Cincinnatiensis</i> <i>Lea</i> } = <b>Amnicola.</b>	
191			<i>lapidaria</i> <i>Say</i> }	
191			<i>marginalis</i> <i>Kirt.</i> } = <b>Bul. marginatus.</b>	
191			<i>marginata</i> <i>Say</i> }	
191			<i>tricarinata</i> <i>Say</i> = <b>Valvata.</b>	

Family **Helicinacea.**

Page.	Plate.	Fig.	Name.	Locality.
192			<b>Helicina chrysocheila</b> Binney.	Tampico, Texas.
192	lxxv	14, 16	<b>Hanleyana</b> Pfr.	New Orleans.
193			<b>occulta</b> Say (fossil?) <i>H. rubella</i> Green?	Western States.
193			<b>orbiculata</b> Say. <i>Olygyra orbiculata</i> Say. <i>H. vestita</i> Guild? <i>castanea</i> Sowerby?	Georgia, Tenn., Ala., Texas, &c.
194			<b>tropica</b> Ian. (pl. lxxiii part.) <i>H. Ambeliana</i> Sowerby.	Texas.
195	lxxv	17	<b>subglobulosa</b> Poey.	Key Biscayne.
196			<i>fastigiata</i> De Kay } = <b>Helix.</b>	
196			<i>plicata</i> De Kay }	

**Tufts.**—Catalogue of Shells deposited in the State Cabinet: by SAMUEL TUFTS, JR. (From Catalogue of Massachusetts State Cabinet—Appendix. Boston, 1859.)

Pa.	No.		Pa.	No.	
85	26	<b>Teredo navalis.</b>	85	57	<b>Mesodesma arctata.</b>
85	27	<b>Pholas costata.</b>	85	58	<b>Jauresii.</b>
85	11	<b>crispata.</b>	85	59	<b>Montacuta bidentata.</b>
85	28	<b>Solen ensis.</b>	85	60	<b>Kellia rubra.</b>
85	30	<b>Solecurtus caribbæus.</b>	85	61	<b>Saxicava distorta.</b>
85	33	<b>Machæra nitida.</b>	85	25	<b>rugosa</b> Stimpson.
85	34	<b>costata.</b>	85	63	<b>Petricola pholadiformis.</b>
85	35	<b>Solemya velum.</b>	85	66	<b>Sanguinolaria fusca.</b>
85	36	<b>borealis.</b>	85	67	<b>sordida.</b>
85	39	<b>Glycymeris siliqua.</b>	85	67	<b>Tellina tenta.</b>
85	40	<b>Mya arenaria.</b>	85	68	<b>tenera.</b>
85	42	<b>truncata.</b>	85	69	<b>Lucina radula.</b>
85	43	<b>Corbula contracta.</b>	85	71	<b>flexuosa.</b>
85	44	<b>Pandora trilineata.</b>	86	72	<b>Cyclas partumeia.</b>
85	46	<b>Lyonsia hyalina.</b>	86	74	<b>elegans.</b>
85	47	<b>Anatina papyracea.</b>	86	75	<b>Pisidium dubium.</b>
85	49	<b>Cochlodesma Leana.</b>	86	76	<b>Astarte castanea.</b>
85	50	<b>Thracia Conradi.</b>	86	78	<b>sulcata.</b>
85	23	<b>Couthouyi.</b>	86	80	<b>lactea.</b>
85	22	<b>truncata.</b>	86	81	<b>quadrans.</b>
85	51	<b>Mactra solidissima.</b>	86	82	<b>Cyprina Islandica.</b>
85	53	<b>ovalis.</b>	86	84	<b>Cytherea convexa.</b>
85	54	<b>lateralis.</b>			

Pa.	No.		Pa.	No.	
86	85	<b>Venus mercenaria.</b>	86	146	<b>Chiton apiculatus.</b>
86	86	notata.	86	148	fulminatus.
86	88	gemma.	86	149	ruber.
86	89	<b>Cardium Islandicum.</b>	86	150	albus.
86	90	pinnulatum.	86	151	<b>Emersonianus.</b>
86	91	Mortoni.	87	153	<b>Lottia testudinalis.</b>
86	92	<b>Grœnlandicum.</b>	87	154	alveus.
86	94	<b>Cardita borealis.</b>	87	155	<b>Dentalium dentale.</b>
86	95	<b>Arca pexata.</b>	87	156	<b>Cemoria Noachina.</b>
86	96	transversa.	87	158	<b>Crepidula fornicata.</b>
86	97	<b>Nucula thraciæformis.</b>	87	159	plana.
86	98	limatula.	87	160	conveza.
86	99	myalis.	87	162	<b>Bulla insculpta.</b>
86	100	sapotilla.	87	163	hiemalis.
86	101	minuta.	87	163	<b>Gouldii.</b>
86	102	<b>Jacksonii.</b>	87	164	debilis.
86	103	proxima.	87	165	triticea.
86	105	tenuis.	87	166	canaliculata.
86	107	<b>Unio complanatus.</b>	87	167	obstricta.
86	109	nasutus.	87	168	oryza.
86	110	radiatus.	87	169	lineolata.
86	111	cariosus.	87	170	<b>Helix albolabris.</b>
86	112	ochraceus.	87	171	thyroidus.
86	113	<b>Alasmodon arcuata.</b>	87	172	hortensis.
86	115	undulata.	87	173	tridentata.
86	116	marginata.	87	174	monodon.
86	117	<b>Anodon fluviatilis.</b>	87	175	hirsuta.
86	118	implicata.	87	176	pulchella.
86	120	undulata.	87	177	alternata.
86	121	<b>Mytilus edulis.</b>	87	178	striatella.
86	123	<b>Modiola modiolus.</b>	87	179	lineata.
86	125	plicatula.	87	180	cellaria.
86	127	pectinula.	87	181	indentata.
86	128	nexa.	87	182	arborea.
86	129	discrepans.	87	184	labyrinthica.
86	130	discors.	87	185	chersina.
86	131	glandula.	87		Pupa ——— ?
86	132	<b>Pecten Magellanicus.</b>	87		——— ?
86	133	Islandicus.	87	193	<b>Bulimus lubricus.</b>
86	134	concentricus.	87	194	<b>Succinea ovalis.</b>
86	137	<b>Ostrea borealis.</b>	87	195	obliqua.
86	138	<b>Anomia ephippium.</b>	87	196	avara.
86	141	<b>Terebratula caput ser-</b>	87	197	<b>Auricula bidentata.</b>
		pentis.	87	199	denticulata.
86	142	psittacea.	87	201	<b>Planorbis trivolvis.</b>

Pa.	No.		Pa.	No.	
87	202	<b>Planorbis lentus.</b>	88	261	<b>Lacuna vincta.</b>
87	203	<b>bicarinatus.</b>	88	263	var. <b>fusca.</b>
87	204	<b>campanulatus.</b>	88	263	<b>neritoidea.</b>
87	205	<b>armigerus.</b>	88	265	<b>Cingula minuta.</b>
87	206	<b>hirsutus.</b>	88	266	<b>aculeus.</b>
87	209	<b>parvus.</b>	88	267	<b>Turritella erosa.</b>
87	211	<b>Physa heterostropha.</b>	88	35	<b>acicula</b> <i>Stimpson.</i>
87	213	<b>ancillaria.</b>	88	269	<b>Pyramis striatula.</b>
87	214	<b>elongata.</b>	88	272	<b>Odostomia exigua.</b>
87	215	<b>Limnea columella.</b>	88	275	<b>Cerithium Emersonii.</b>
87	217	<b>macrostoma.</b>	88	278	<b>Sayii.</b>
87	218	<b>modicellus.</b>	88	279	<b>Greenii.</b>
87	219	<b>decidiosa.</b>	88		<b>Pleurotoma cerinum</b>
87	221	<b>elodes.</b>	88	280	<b>decussata.</b> [ <i>Stimp.</i>
87	224	<b>Ancylus fuscus.</b>	88	283	<b>Cancellaria Couthouyi.</b>
87	224	<b>rivularis.</b>	88	284	<b>Fusus Islandicus.</b>
87	225	<b>Valvata tricarinata.</b>	88	285	<b>ventricosus.</b>
87	226	<b>pupoidea.</b>	88	287	<b>decemcostatus.</b>
87	227	<b>Paludina decisa.</b>	88	288	<b>scalariformis.</b>
87	229	<b>Ammicola porata.</b>	88	289	<b>Bamffius.</b>
87	231	<b>Natica heros.</b>	88	290	<b>rufus.</b>
87	233	<b>triseriata.</b>	88	291	<b>harpularius.</b>
87	234	<b>immaculata.</b>	88	292	<b>turricula.</b>
87	235	<b>canaliculata.</b>	88	293	<b>muricatus.</b>
87	236	<b>duplicata.</b>	88	294	<b>Pyrula canaliculata.</b>
87	237	<b>pusilla.</b>	88	296	<b>carica.</b>
87	238	<b>clausa.</b>	88	297	<b>Ranella caudata.</b>
87	239	<b>flava.</b>	88	298	<b>Rostellaria occiden-</b>
87	240	<b>Janthina fragilis.</b>			<b>talis.</b>
88	241	<b>Velutina lævigata.</b>	88	300	<b>Trichotropis borealis.</b>
88	242	<b>zonata.</b>	88	301	<b>Purpura lapillus.</b>
88	244	<b>Sigaretus haliotoideus.</b>	88	303	<b>Buccinum plicosum.</b>
88	246	<b>Vermetus lumbricalis.</b>	88	304	<b>Donovani.</b>
88	249	<b>Scalaria Grœnlandica.</b>	88	305	<b>undatum.</b>
88	252	<b>Margarita cinerea.</b>	88	307	<b>ciliatum.</b>
88	253	<b>obscura.</b>	88	308	<b>obsoletum.</b>
88	254	<b>undulata.</b>	88	309	<b>trivittatum.</b>
88	255	<b>arctica.</b>	88	310	<b>vibex.</b>
88	256	<b>argentata.</b>	88	311	<b>rosaceum.</b>
88	257	<b>Littorina rudis.</b>	88	312	<b>lunatum.</b>
88	259	<b>tenebrosa.</b>	88	313	<b>Columbella avara.</b>
88	260	<b>palliatâ.</b>			

**Carpenter.**—Report on the Present State of our Knowledge with regard to the Mollusca of the West Coast of North America: by PHILIP P. CARPENTER. (From the Report of the British Association for the Advancement of Science for 1856. London, 1857.)

[To this admirable Report I refer for the full synonymy, references, and dates of the species of the following list, which embodies the selected names only of the species of the "Northern Fauna" and "Gulf of California," omitting those of Central America, Panama, and Gallapagos. As stated in the preface, I have not given the same attention to the synonymy of the west coast species, the labor having been so thoroughly done by Mr. CARPENTER. The names of species about which any doubt exists are included in parentheses. I omit the Bryozoa.—W. G. B.]

## I. ARCTIC FAUNA.

### CLASS PALLIOBRANCHIATA.

Page.		Page.
298	<i>Rhynchonella psittacea.</i>	

### CLASS LAMELLIBRANCHIATA.

299	<i>Saxicava pholadis.</i>	305	<i>Venus (Astartoides).</i>
299	<i>Petricola gibba.</i>	306	<i>Astarte (corrugata).</i>
299	<i>cylindracea.</i>	307	<i>Cardium Californiense.</i>
299	<i>Saxidomus gigantea.</i>	307	<i>Nuttalli.</i>
299	<i>Petitii.</i>	309	<i>Mytilus edulis.</i>
300	<i>Mya arenaria.</i>	309	<i>Modiola cultellus.</i>
300	<i>Lutraria maxima.</i>	309	<i>modiolus.</i>
301	<i>Machæra costata.</i>	310	<i>Pectunculus septentrio-</i>
301	<i>Tellina solidula.</i>		<i>nalis.</i>
301	( <i>lata</i> ).	310	<i>Nucula castrensis.</i>
301	( <i>lutea</i> ).	311	<i>Pecten rubidus.</i>
301	<i>edentula.</i>	312	<i>Placunanomia patellifor-</i>
302	<i>nasuta.</i>		<i>mis.</i>
304	<i>Macra (ovalis).</i>	312	( <i>macrochisma</i> ).

### CLASS GASTEROPODA.

313	<i>Dendronotus arborescens.</i>	317	<i>Tonicia Brandtii.</i>
313	<i>Æolis pinnata.</i>	317	<i>Sitchensis.</i>
313	<i>Flabellina crassicornis.</i>	317	<i>Eschscholtzii.</i>
313	<i>subrosacea.</i>	317	<i>Merckii.</i>
317	<i>Dentalium politum.</i>	317	<i>insignis.</i>
317	<i>Lepidochiton lividus.</i>	317	<i>lineata.</i>



Page.		Page.	
318	<i>Katherina submarmorea</i> .	327	<i>Iacuna glacialis</i> .
318	<i>tunicata</i> .	328	<i>Trichotropis (bicarinata)</i> .
318	<i>Cryptochiton Stelleri</i> .	328	<i>cancellata</i> .
318	[Gen. indet.] <i>Wosnessenskii</i> .	328	<i>insignis</i> .
318	<i>Nacella Asmi</i> .	328	<i>inermis</i> .
319	<i>Acmæa personoides</i> .	329	<i>Admete viridula</i> .
319	<i>pileolus</i> .	329	<i>arctica</i> .
319	<i>digitalis</i> .	336	<i>Scalaria Groenlandica</i> .
319	<i>cassis</i> .	336	<i>Natica clausa</i> .
319	<i>pelta</i> .	336	<i>Lunatia flava</i> .
319	<i>patina</i> .	337	<i>Velutina coriacea</i> .
319	<i>persona</i> .	337	<i>spongiosa</i> .
319	<i>Scurria mitra</i> .	337	<i>Sitchensis</i> .
319	<i>Fissurella (violacea)</i> .	338	( <i>Argobuccinum</i> ) <i>cancellata</i> .
320	<i>Glyphis aspera</i> .	338	<i>scabrum</i> . [tum.]
320	<i>Haliotis aquatilis</i> .	340	<i>Purpura Freycinetii</i> .
320	<i>Kamtschatkiana</i> .	340	( <i>decemcostata</i> ).
320	<i>Callopoma (Fokkesii)</i> .	340	<i>lapillus</i> .
321	<i>Osilinus ater</i> .	340	<i>septentrionalis</i> .
321	<i>Omphalius modestus</i> .	342	<i>Buccinum tenebrosum</i> .
321	<i>mœstus</i> .	342	( <i>ovum</i> ).
321	<i>euryomphalus</i> .	342	<i>Bulla ampullacea</i> .
321	<i>Margarita arctica</i> .	343	<i>Chrysodomus Sabinii</i> .
321	<i>striata</i> .	343	( <i>antiquus</i> ).
321	<i>sulcata</i> .	343	( <i>deformis</i> ).
321	<i>callostoma</i> .	343	( <i>Islandicus</i> ).
323	<i>Crepidula (grandis)</i> .	343	( <i>Behringii</i> ).
323	<i>Sitchana</i> .	343	( <i>Baeri</i> ).
323	<i>minuta</i> .	343	<i>Sitchensis</i> .
325	<i>Turritella Eschrichtii</i> .	343	<i>luridus</i> .
326	<i>Littorina Kurila</i> .	343	<i>Trophon clathratum</i> .
326	<i>Sitchana</i> .	345	( <i>Cerastoma</i> ) <i>monodon</i> .
326	<i>modesta</i> .	345	( <i>Muricidea</i> ) <i>lactuca</i> .
326	[ <i>aspera</i> ].		

## CLASS CEPHALOPODA.

345	<i>Octopus</i> ———.		345	<i>Onychoteuthis (Bergii)</i> .
-----	---------------------	--	-----	---------------------------------

## II. OREGON FAUNA.

## CLASS PALLIOBRANCHIATA.

298	<i>Terebratula pulvinata</i> .		298	<i>Terebratula canrena</i> .
-----	--------------------------------	--	-----	------------------------------

## CLASS LAMELLIBRANCHIATA.

Page.		Page.	
299	<i>Petricola cylindracea.</i>	308	<i>Cyclas patella.</i>
299	<i>Saxidomus Nuttalli.</i>	308	<i>egregia.</i>
300	<i>Mya præcisæ.</i>	309	<i>Unio famelicus.</i>
300	<i>Panopœa generosa.</i>	309	<i>Alasmodon falcata.</i>
300	<i>Lyonsia bracteata.</i>	309	<i>Anodon feminalis.</i>
301	( <i>picta</i> ).	309	<i>Oregonensis.</i>
301	<i>Solen sicarius.</i>	309	<i>Wahlamatensis.</i>
301	<i>maximus.</i>	309	<i>cognata.</i>
301	<i>Machæra Nuttalli.</i>	309	<i>Nuttalliana.</i>
301	<i>Sanguinolaria Californiana.</i>	309	<i>Mytilus edulis.</i>
301	<i>Tellina edentula.</i>	309	( <i>Californianus</i> ).
302	<i>nasuta.</i>	309	<i>Modiola modiolus.</i>
302	( <i>inquinata</i> ).	309	<i>elongata.</i>
302	<i>Californica.</i>	309	<i>flabellata.</i>
302	<i>Bodegensis.</i>	309	<i>Crenella discrepans.</i>
302	<i>secta.</i>	310	<i>Pectunculus septentriona-</i>
304	<i>Maetra falcata.</i>	311	<i>Pecten Fabricii.</i> [lis.
305	<i>Venus calcarea.</i>	311	<i>caurinus.</i>
305	<i>ampliata.</i>	311	<i>hericeus.</i>
305	—.	311	<i>Townsendi.</i>
305	<i>rigida.</i>	312	<i>Ostrea ? conchaphila.</i>
306	<i>Cardita ventricosa.</i>	312	<i>Placunanomia cepio.</i>
307	<i>Cardium Nuttalli.</i>	312	<i>alope.</i>
307	<i>blandum.</i>	312	<i>Anomia lampe.</i>

## CLASS GASTEROPODA.

313	<i>Doris</i> —.	314	<i>Helix Kelletii.</i>
313	<i>Goniodoris</i> —.	314	<i>tudiculata.</i>
313	<i>Dendronotus</i> —.	314	<i>Columbiana.</i>
313	<i>Æolis</i> —.	314	<i>Townsendiana.</i>
313	<i>Chioræra leonina.</i>	314	<i>Californiensis.</i>
313	<i>Haminea</i> —.	314	<i>areolata.</i>
313	<i>Limax Columbianus.</i>	315	<i>Succinea rusticans.</i>
313	<i>Arion foliolatus.</i>	315	<i>Oregonensis.</i>
314	<i>Helix Oregonensis.</i>	316	<i>Limnæa lepida.</i>
314	<i>labiosa.</i>	316	<i>apicina.</i>
314	<i>loricata.</i>	316	<i>Nuttalliana.</i>
314	<i>Baskervillei.</i>	316	<i>ferruginea.</i>
314	<i>fidelis.</i>	316	<i>umbrosa.</i>
314	<i>strigosa.</i>	316	<i>Physa bullata.</i>
314	<i>sportella.</i>	316	—.
314	<i>Vancouverensis.</i>	316	<i>Planorbis vermicularis.</i>
314	<i>germana.</i>	316	<i>corpulentus.</i>
314	<i>Pandoræ.</i>	316	<i>subcrenatus.</i>

Page.		Page.	
316	<i>Planorbis opercularis</i> .	325	<i>Melania plicifera</i> .
317	<i>Dentalium</i> ———.	325	<i>bulbosa</i> .
317	<i>Callochiton interstinctus</i> .	325	<i>plicata</i> .
317	<i>Chiton muscosus</i> .	326	<i>Litorina lepida</i> .
318	<i>Mopalia vespertina</i> .	326	<i>scutellata</i> .
318	<i>Katherina Douglasiæ</i> .	327	<i>Lacuna carinata</i> .
318	<i>Cryptochiton Stelleri</i> .	328	<i>Trichotropis borealis</i> .
318	[Gen. indet.] <i>lignosus</i> .	331	<i>Bela fidicula</i> .
318	<i>dentiens</i> .	335	<i>Cerithiopsis filosa</i> .
318	<i>Nacella instabilis</i> .	336	<i>Scalaria australis</i> .
319	<i>Acmaea pelta</i> .	336	—————.
319	<i>persona</i> .	336	<i>Lunatia caurina</i> .
319	<i>textilina</i> .	336	<i>impervia</i> .
319	<i>fimbriata</i> .	336	<i>Lewesii</i> .
319	<i>cribraria</i> .	336	<i>algida</i> .
319	<i>spectrum</i> .	337	<i>Polinices perspicua</i> .
319	<i>Scurria mitra</i> .	337	<i>Triton (tigrinus)</i> .
320	<i>Glyphis cratitia</i> .	338	( <i>Argobuccinum</i> ) <i>Oregon-</i>
320	<i>Puncturella cucullata</i> .	339	<i>Olivella</i> ———. [ense.
320	<i>galeata</i> .	340	<i>Purpura lapillus</i> .
320	<i>Haliotis</i> ———.	340	<i>septentrionalis</i> .
320	<i>Trochus annulatus</i> .	340	<i>ostrina</i> .
320	( <i>Ziziphinus</i> ) <i>filosus</i> .	340	<i>lagena</i> .
321	( <i>lima</i> ).	341	<i>Columbella gausapata</i> .
321	<i>Trochiscus Norrisii</i> .	342	<i>Buccinum corrugatum</i> .
321	<i>Livonia (pica)</i> .	342	<i>Nassa mendica</i> .
323	<i>Galerus fastigatus</i> .	342	<i>fossata</i> .
323	<i>Crepidula ? nummaria</i> .	343	<i>Trophon Orpheus</i> .
323	<i>rostriformis</i> .	343	<i>corrugatum</i> .
323	? <i>lingulata</i> .	343	<i>cancellinum</i> .
325	<i>Melania silicula</i> .	345	( <i>Cerastoma</i> ) <i>foliatum</i> .

## III. UPPER CALIFORNIA FAUNA.

CLASS **PALLIOBRANCHIATA.**

298	<i>Discina Evansii</i> .		298	<i>Waldheimia (Californica)</i> .
-----	--------------------------	--	-----	-----------------------------------

CLASS **LAMELLIBRANCHIATA.**

299	<i>Pholadidea penita</i> .		299	<i>Saxidomus Nuttalli</i> .
299	<i>Parapholas Californica</i> .		300	<i>Lutraria maxima</i> .
299	<i>Saxicava pholadis</i> .		300	<i>Platydon cancellata</i> .
299	<i>Petricola cylindracea</i> .		300	<i>Cryptodon Nuttalli</i> .
299	<i>Californica</i> .		300	<i>Sphænia Californica</i> .
299	<i>Rupellaria lamellifera</i> .		300	<i>Corbula polychroma</i> .
299	<i>Saxidomus Petiti</i> .		300	( <i>bicarinata</i> ).

Page.		Page.	
300	<b>Corbula (nasuta).</b>	307	<b>Chama exogyra.</b>
300	<b>Thracia curta.</b>	307	pellucida.
300	<b>Lyonsia Californica.</b>	307	fr. Mexicana.
301	<b>Mytilimeria Nuttalli.</b>	307	<b>Cardium Californiense.</b>
301	<b>Pandora punctata.</b>	307	Nuttalli.
301	<b>Machæra Nuttalli.</b>	307	quadragenarium.
301	lucida.	307	(Laperoussii).
301	<b>Solecurtus subteres.</b>	308	<b>Diplodonta orbella.</b>
301	Californianus.	308	<b>Kellia Laperoussii.</b>
301	<b>Sanguinolaria grandis.</b>	309	<b>Alasmodon falcata.</b>
301	rubroradiata.	309	<b>Anodon cognata.</b>
302	<b>Tellina Bodegensis.</b>	309	Nuttalliana.
302	secta.	309	angulata.
302	alta.	309	<b>Mytilus edulis.</b>
303	? <b>Scrobicularia biangularis.</b>	309	Californianus.
304	<b>Cumingia Californica.</b>	309	bifurcatus.
304	<b>Donax flexuosus.</b>	309	glomeratus.
304	Californicus.	309	<b>Modiola recta.</b>
304	rostratus.	309	nitens.
304	gracilis.	309	capax.
304	<b>Mactra Californica.</b>	309	<b>Lithophagus Gruneri.</b>
304	planulata.	310	<b>Byssoarca (gradata).</b>
305	<b>Trigona tantilla.</b>	310	<b>Pectunculus (inæqualis).</b>
305	crassatelloides.	311	<b>Nucula cælata.</b>
305	<b>Dosinia callosa.</b>	311	<b>Leda (polita).</b>
305	<b>Venus rigida.</b>	311	<b>Isognomon costellatum.</b>
305	Nuttalli.	311	<b>Pecten latiauritus.</b>
306	? <b>Tapes diversa.</b>	312	<b>Ostrea ———.</b>
306	tumida.	312	conchaphila.
306	straminea.	312	<b>Placunanomia macroschis-</b>
306	<b>Trapezium Californicum.</b>	312	<b>Anomia lampe.</b> [ma.

CLASS **GASTEROPODA.**

313	<b>Bulla nebulosa.</b>	314	<b>Helix infumata.</b>
313	<b>Tornatina culcitella.</b>	314	levis.
313	cerealis.	314	vecillata.
314	<b>Helix tudiculata.</b>	314	Sagraiana.
314	Columbiana.	314	ærginosa.
314	Townsendiana.	315	<b>Succinea ———.</b>
314	Californiensis.	316	<b>Limnæa umbrosa.</b>
314	areolata.	316	<b>Physa humerosa.</b>
314	vincta.	316	virginiea.
314	loricata.	316	virgata.
314	Nickliniana.	316	<b>Planorbis opercularis.</b>
314	Dupetithouarsii.	316	ammon.

Page.		Page.	
316	<i>Planorbis gracilentus</i> .	321	<i>Omphalius Pfeifferi</i> .
317	<i>Lophyrus (Stokesii)</i> .	321	<i>fuscescens</i> .
317	<i>Lepidochiton Mertensii</i> .	321	<i>marginatus</i> .
317	<i>scrobiculatus</i> .	321	<i>maculosus</i> .
317	<i>Tonicia lineata</i> .	321	<i>aureotinctus</i> .
317	<i>Chiton scaber</i> .	323	<i>Crucibulum spinosum</i> .
318	<i>Mopalia Simpsonii</i> .	323	<i>Galerus (mammillaris)</i> .
318	<i>Cryptochiton Stelleri</i> .	323	<i>Crepidula</i> ———.
318	[Gen. indet.] <i>Wosnessenskii</i> .	323	<i>explanata</i> .
318	<i>Nuttalli</i> .	323	<i>solida</i> .
318	<i>Californicus</i> .	323	<i>aculeata</i> .
318	<i>acutus</i> .	323	<i>incurva</i> .
318	<i>consimilis</i> .	323	<i>rugosa</i> .
318	<i>Montereyensis</i> .	324	<i>Aletes squamigerus</i> .
318	<i>Hartwegii</i> .	324	<i>Spiroglyphus</i> ———.
318	<i>regularis</i> .	325	<i>Bittium</i> ———.
319	<i>Acmea pelta</i> .	325	<i>Cerithidea sacrata</i> .
319	<i>patina</i> .	325	<i>Melania Wahlamatensis</i> .
319	<i>cribraria</i> .	325	<i>occata</i> .
319	<i>spectrum</i> .	325	<i>Amnicola protea</i> .
319	<i>toreuma</i> .	325	<i>longinqua</i> .
319	<i>grandis</i> .	326	<i>Bithinia seminalis</i> .
319	<i>scabra</i> .	326	<i>nuclea</i> .
319	<i>æruginosa</i> .	326	<i>Litorina modesta</i> .
319	<i>Scurria mitra</i> .	326	<i>planaxis</i> .
319	<i>Fissurella (violacea)</i> .	326	<i>plena</i> .
319	<i>ornata</i> .	326	( <i>aspera</i> ).
319	<i>volcano</i> .	327	<i>Lacuna unifasciata</i> .
320	<i>Glyphis densiclathrata</i> .	328	<i>Radius variabilis</i> .
320	<i>Lincolni</i> .	328	<i>Luponia spadicea</i> .
320	<i>Lucapina crenulata</i> .	328	<i>Trivia Californica</i> .
320	<i>Haliotis rufescens</i> .	328	<i>Erato lucophæa</i> .
320	<i>corrugata</i> .	328	<i>columbella</i> .
320	<i>splendens</i> .	332	<i>Clathurella (bella)</i> .
320	<i>Californiensis</i> .	332	<i>Conus ravus</i> .
320	<i>Cracherodii</i> .	332	( <i>comptus</i> ).
320	<i>Phasianella compta</i> .	333	<i>Odostomia gravidæ</i> .
320	<i>Callopoma Fokkesii</i> .	334	<i>Chemnitzia tenuicula</i> .
320	<i>Pomaulax undosus</i> .	334	<i>torquata</i> .
320	<i>Trochus annulatus</i> .	336	<i>Natica ? maroccana</i> .
320	( <i>Ziziphinus</i> ) <i>filosus</i> .	336	var. <i>Californica</i> .
320	<i>Antonii</i> .	336	<i>Lunatia herculæa</i> .
321	<i>Osilinus ater</i> .	337	<i>Neverita Recluziana</i> .
321	<i>Omphalius mæstus</i> .	338	( <i>Argobuccinum</i> ) <i>scabrum</i> .
321	<i>euryomphalus</i> .	338	<i>Mitra maura</i> .

Page.		Page.	
339	<i>Marginella Jewettii</i> .	341	<i>Monoceros</i> (brevidenta-
339	(imbricata).	341	<i>Nitidella Gouldii</i> . [tum).
339	<i>Olivella rufofasciata</i> .	341	<i>Columbella Santa Barba-</i>
339	biplicata.	341	carinata. [rensis.
340	<i>Purpura macrostoma</i> .	342	<i>Truncaria</i> (modesta).
340	harpa.	342	<i>Buccinum Poulsoni</i> .
340	emarginata.	342	<i>Nassa fossata</i> .
340	<i>Monoceros engonatum</i> .	342	perpinguis.
340	brevidens.	345	( <i>Cerastoma</i> ) Nuttalli.
340	lapilloides.		

## IV. LOWER CALIFORNIA FAUNA.

## CLASS PALLIOBRANCHIATA.

298 *Lingula albidula*.

## CLASS LAMELLIBRANCHIATA.

299	<i>Pholadidea penita</i> .	305	<i>Venus Nuttalli</i> .
299	ovoidea.	305	excavata.
299	<i>Parapholas Californica</i> .	305	simillima.
299	<i>Saxicava pholadis</i> .	305	fructifrago.
299	<i>Petricola Californica</i> .	305	dispar.
299	<i>Rupellaria lamellifera</i> .	305	Californiensis.
299	<i>Saxidomus Nuttalli</i> .	306	? <i>Tapes straminea</i> .
300	<i>Platydon cancellata</i> .	306	gracilis.
300	<i>Sphænia Californica</i> .	306	<i>Trapezium Californicum</i> .
300	<i>Lyonsia (nitida)</i> .	307	<i>Chama exogyra</i> .
301	<i>Periploma argentaria</i> .	307	pellucida.
301	<i>Solecurtus subteres</i> .	307	<i>Cardium Californiense</i> .
301	Californianus.	307	Nuttalli.
301	<i>Sanguinolaria Nuttalli</i> .	307	substriatum.
301	miniata.	307	luteolabrum.
301	<i>Psammodia Pacifica</i> .	307	cruentatum.
302	<i>Tellina nasuta</i> .	307	elatum.
302	secta.	307	<i>Lucina bella</i> .
302	vicina.	307	Californica.
302	pura.	307	Nuttalli.
303	<i>Strigilla carnaria</i> .	307	punctata.
303	<i>Semele rubrolineata</i> .	308	<i>Diplodonta orbella</i> .
303	decisa.	309	<i>Mytilus Californianus</i> .
303	flavescens.	309	<i>Modiola capax</i> .
304	<i>Cumingia Californica</i> .	309	<i>Lithophagus attenuatus</i> .
304	<i>Donax (obesus)</i> .	310	<i>Byssoarca pernoides</i> .
304	<i>Mactra nasuta</i> .	311	<i>Pecten latiauritus</i> .
305	<i>Trigona crassatelloides</i> .	311	floridus.

Page.		Page.	
311	<b>Pecten purpuratus.</b>	312	<b>Ostrea conchaphila.</b>
312	<b>Hinnites giganteus.</b>	312	<i>palmula.</i>
<b>CLASS GASTEROPODA.</b>			
313	<b>Bulla nebulosa.</b>	324	<b>Petalocochus macro-</b>
313	<i>virescens.</i>		<i>phragma.</i>
313	<i>longinqua.</i>	325	<b>Cerithium stercusmusca-</b>
313	<b>Haminea vesicula.</b>	325	<b>Cerithidea sacrata.</b> [rum.]
313	<b>Tornatina inculta.</b>	325	<i>pullata.</i>
314	<b>Helix Kellettii.</b>	325	<i>albonodosa.</i>
314	<i>tudiculata.</i>	326	<b>Littorina ? fasciata.</b>
314	<b>Bulimus pallidior.</b>	328	<b>Radius (Californica).</b>
315	<b>Melampus olivaceus.</b>	328	<b>Erato vitellina.</b>
316	<b>Physa virgata.</b>	329	<b>Cancellaria funiculata.</b>
317	<b>Lepidopleurus Magdalen-</b>	329	<i>ventricosa.</i>
318	<b>Mopalia Blainvillei.</b> [sis.]	330	<b>(Myurella) armillata.</b>
318	[Gen. indet.] <i>ornatus.</i>	330	<b>Pleurotoma gemmata.</b>
318	<b>Nacella depicta.</b>	330	<b>Drillia inermis.</b>
318	<i>incessa.</i>	330	<i>plumbea.</i>
319	<b>Acmaea patina.</b>	330	<i>luctuosa.</i>
319	<i>persona.</i>	332	<b>Mangelia plumbea.</b>
319	<i>spectrum.</i>	332	<b>Conus Californicus.</b>
319	<i>grandis.</i>	333	<b>Solarium placentale.</b>
319	<i>scabra.</i>	337	<b>Polinices ? uber.</b>
319	<i>mesoleuca.</i>	338	<b>(Argobuccinum ? scabrum.)</b>
319	<i>fascicularis.</i>	338	<b>Ranella triquetra.</b>
319	<b>Scurria mitra.</b>	338	<i>Californica.</i>
319	<b>Fissurella volcano.</b>	338	<i>muriciformis.</i>
320	<b>Haliotis (Kamtschatki-</b>	339	<b>Olivella (glandinaria).</b>
320	<i>splendens.</i> [ana.]	340	<b>Purpura emarginata.</b>
320	<i>Californiensis.</i>	340	<b>Rhizocheilus foveolata.</b>
320	<i>Cracherodii.</i>	340	<b>Vitularia Belcheri.</b>
320	<b>Phasianella compta.</b>	340	<b>Pseudoliva Kellettii.</b>
320	<b>Callopoma (Fokkesii).</b>	341	<i>(lugubris).</i>
320	<b>(Ziziphinus) filusus.</b>	341	<b>Nitidella Californica.</b>
321	<b>Osilinus (gallinus).</b>	341	<b>Columbella carinata.</b>
321	<b>Omphalius mcestus.</b>	341	<i>Californiana.</i>
321	<i>aureotinctus.</i>	342	<b>Nassa fossata.</b>
321	<i>brunneus.</i>	342	<i>perpinguis.</i>
323	<b>Crucibulum spinosum.</b>	342	<i>tegula.</i>
323	<b>Crepidula incurva.</b>	345	<b>(Pteronotus) festivus.</b>
324	<b>Hipponyx Grayanus.</b>	345	<b>(Muricidea) perita.</b>
324	<b>Aletes squamigerus.</b>		

## V. GULF OF CALIFORNIA FAUNA.

CLASS **PALLIOBRANCHIATA.**

Page.		Page.
298	<b>Discina Cumingii.</b>	

CLASS **LAMELLIBRANCHIATA.**

299	<b>Pholadidea melanura.</b>	301	<b>Periploma Leana.</b>
299	<b>curta.</b>	301	<b>planiuscula.</b>
299	<b>Parapholas calva.</b>	301	<b>excurvata.</b>
299	<b>acuminata.</b>	301	<b>papyracea.</b>
299	<b>Martesia intercalata.</b>	301	<b>Pandora claviculata</b>
299	<b>Gastrochæna truncata.</b>	301	<b>Solecortus politus.</b>
299	<b>ovata.</b>	301	<b>——.</b>
299	<b>Saxicava ? arctica.</b>	301	<b>affinis.</b>
299	<b>Petricola dactylus.</b>	301	<b>Sanguinolaria miniata.</b>
299	<b>denticulata.</b>	301	<b>tellinoides.</b>
299	<b>ventricosa.</b>	301	<b>Psammobia Kindermanni.</b>
299	<b>——.</b>	301	<b>——.</b>
299	<b>robusta.</b>	302	<b>Tellina pura.</b>
299	<b>pholadiformis.</b>	302	<b>gemma.</b>
299	<b>Rupellaria foliacea.</b>	302	<b>Mazatlanica.</b>
299	<b>paupercula.</b>	302	<b>Broderipii.</b>
299	<b>lingua-felis.</b>	302	<b>straminea.</b>
299	<b>exarata.</b>	302	<b>donacilla.</b>
299	<b>——.</b>	302	<b>regularis.</b>
300	<b>? Naranio scobina.</b>	302	<b>lamellata.</b>
300	<b>——.</b>	302	<b>delicatula.</b>
300	<b>Mya ? ——.</b>	302	<b>denticulata.</b>
300	<b>Sphænia fragilis.</b>	302	<b>—— (3 sp.)</b>
300	<b>—— (2 sp.)</b>	302	<b>rufescens.</b>
300	<b>Corbula polychroma.</b>	302	<b>eburnea.</b>
300	<b>—— (2 sp.)</b>	302	<b>Dombei.</b>
300	<b>bicarinata.</b>	302	<b>punicea.</b>
300	<b>tenuis.</b>	302	<b>felix.</b>
300	<b>obesa.</b>	302	<b>Cumingii.</b>
300	<b>biradiata.</b>	302	<b>puella.</b>
300	<b>? ovulata.</b>	302	<b>brevirostris.</b>
300	<b>pustulosa.</b>	303	<b>Strigilla carnaria.</b>
300	<b>ventricosa.</b>	303	<b>lenticula.</b>
300	<b>Thracia squamosa.</b>	303	<b>pisiformis.</b>
300	<b>Tyleria fragilis.</b>	303	<b>dichotoma.</b>
300	<b>Lyonisia ——.</b>	303	<b>ervilia.</b>
301	<b>diaphana.</b>	303	<b>Tellidora Burneti.</b>
301	<b>picta.</b>	303	<b>? Scrobicularia producta.</b>



Page.		Page.	
303	<i>Semele flavescens.</i>	305	<i>Venus reticulata.</i>
303	<i>Californica.</i>	305	<i>undatella.</i>
303	? <i>venusta.</i>	305	—— (2 sp.)
304	<i>Cumingia Californica.</i>	306	? <i>crenifera.</i>
304	<i>lamellosa.</i>	306	<i>Columbiensis.</i>
304	<i>trigularis.</i>	306	<i>amathusia.</i>
304	——.	306	<i>gnidia.</i>
304	<i>Iphigenia lævigata.</i>	306	<i>distans.</i>
304	<i>altior.</i>	306	<i>multicostata.</i>
304	<i>Donax rostratus.</i>	306	<i>Anomalocardia subimbri-</i>
304	<i>Carpenteri.</i>	306	<i>subrugosa.</i> [cata.
304	<i>transversus.</i>	306	? <i>Tapes squamosa.</i>
304	<i>punctatostriatus.</i>	306	<i>histrionica.</i>
304	<i>Conradi.</i>	306	<i>grata.</i>
304	<i>carinatus.</i>	306	<i>Gouldia varians.</i>
304	<i>assimilis.</i>	306	<i>Pacifica.</i>
304	<i>navicula.</i>	306	<i>Circe margarita.</i>
304	<i>Mactra pallida.</i>	306	<i>subtrigona.</i>
304	<i>goniata.</i>	306	<i>Trapezium</i> ——.
304	<i>fragilis.</i>	306	<i>Cardita Californica.</i>
304	<i>Californica.</i>	307	<i>Venericardia</i> ——.
304	<i>exoleta.</i>	307	<i>Chama exogyra.</i>
304	<i>angulata.</i>	307	fr. <i>Mexicana.</i>
304	<i>elegans.</i>	307	<i>spinosa.</i>
304	<i>Gnathodon mendicus.</i>	307	<i>Cardium elatum.</i>
305	? <i>Clementia gracillima.</i>	307	<i>alabastrum.</i>
305	<i>Trigona (crassatelloides).</i>	307	<i>rotundatum.</i>
305	<i>humilis.</i>	307	—— (7 sp. ind.)
305	<i>argentina.</i>	307	<i>graniferum.</i>
305	<i>radiata.</i>	307	( <i>maculosum</i> ).
305	<i>planulata.</i>	307	? <i>senticosum.</i>
305	<i>Dosinia Annæ.</i>	307	<i>Belcheri.</i>
305	<i>ponderosa.</i>	307	<i>procerum.</i>
305	<i>Dunkeri.</i>	307	<i>Lucina punctata.</i>
305	<i>Cyclina subquadrata.</i>	307	<i>annulata.</i>
305	<i>Dione brevispinosa.</i>	307	? <i>muricata.</i>
305	<i>lupinaria.</i>	308	<i>excavata.</i>
305	<i>circinata.</i>	308	<i>pectinata.</i>
305	<i>concinna.</i>	308	<i>cancellaris.</i>
305	<i>rosea.</i>	308	<i>Mazatlanica.</i>
305	<i>chionæa.</i>	308	<i>prolongata.</i>
305	<i>aurantia.</i>	308	—— (3 sp.)
305	<i>vulnerata.</i>	308	<i>fenestrata.</i>
305	<i>Cythærea petechialis.</i>	308	<i>eburnea.</i>
305	<i>Venus Californiensis.</i>	308	<i>tigerrina.</i>

Page.		Page.	
308	? <i>Fimbria</i> ———.	310	<i>Arca reversa</i> .
308	<i>Diplodonta semiaspera</i> .	310	<i>emarginata</i> .
308	<i>subquadrata</i> .	310	<i>Byssosarca vespertilio</i> .
308	<i>obliqua</i> .	310	<i>fusca</i> .
308	<i>Felania serricata</i> .	310	<i>gradata</i> .
308	<i>Kellia suborbicularis</i> .	310	<i>Pacifica</i> .
308	<i>Lasea</i> ? <i>rubra</i> .	310	<i>mutabilis</i> .
308	<i>trigonalis</i> .	310	<i>solida</i> .
308	<i>oblonga</i> .	310	<i>illota</i> .
308	————.	310	<i>Pectunculus giganteus</i> .
308	<i>Lepton Clementinum</i> .	310	<i>bicolor</i> .
308	<i>Dionæum</i> .	310	<i>parcipictus</i> .
308	<i>umbonatum</i> .	310	? <i>multicostatus</i> .
308	<i>Pythina sublævis</i> .	310	<i>inæqualis</i> .
308	<i>Montacuta elliptica</i> .	311	<i>Nucula exigua</i> .
308	<i>subquadrata</i> .	311	<i>Leda</i> ? <i>Elenensis</i> .
308	————.	311	<i>Pinna lanceolata</i> .
308	<i>Cyrena olivacea</i> .	311	<i>maura</i> .
308	<i>Mexicana</i> .	311	<i>rugosa</i> .
308	<i>insignis</i> .	311	<i>Avicula sterna</i> . [ca.]
309	<i>subquadrata</i> .	311	( <i>Margaritiphora Mazatlani</i> -
309	( <i>Anodon ciconia</i> ).	311	<i>Isognomon Chemnitzia</i> -
309	<i>Mytilus multiformis</i> .	311	<i>Janus</i> . [num.]
309	<i>palliopunctatus</i> .	311	<i>Pecten circularis</i> .
309	<i>Septifer Cumingianus</i> .	311	<i>dentatus</i> .
309	<i>Modiola capax</i> .	311	<i>nodosus</i> .
309	<i>Braziliensis</i> .	311	———— (2 sp.)
309	<i>Crenella coarctata</i> .	311	<i>subnodosus</i> .
309	<i>Lithophagus attenuatus</i> .	311	<i>Lima tetrica</i> .
309	<i>calyculatus</i> .	312	<i>Spondylus</i> ———
309	<i>cinnamomeus</i> .	312	<i>calcifer</i> .
310	<i>aristatus</i> .	312	<i>Plicatula penicillata</i> .
310	<i>plumula</i> .	312	<i>Ostrea conchaphila</i> .
310	<i>Leiosolenus spatiosus</i> .	312	<i>palmula</i> .
310	————.	312	<i>Cumingiana</i> .
310	<i>Arca bifrons</i> .	312	————.
310	<i>cardiiformis</i> .	312	<i>Columbiensis</i> .
310	———— (2 sp.)	312	<i>Virginica</i> .
310	<i>brevifrons</i> .	312	<i>iridescens</i> .
310	<i>multicostata</i> .	312	<i>Placunanomia claviculata</i> .
310	<i>labiata</i> .	312	<i>pernoides</i> .
310	<i>tuberculosa</i> .	312	<i>foliata</i> .
310	<i>grandis</i> .	312	<i>Anomia lampe</i> .

CLASS **GASTEROPODA.**

Page.		Page.	
313	<i>Smaragdinella thecaphora.</i>	318	<i>Patella Mexicana.</i>
313	<i>Bulla nebulosa.</i>	318	<i>pediculus.</i>
313	<i>exarata.</i>	318	<i>discors.</i>
313	——.	318	<i>Nacella</i> ——.
313	<i>Quoyii.</i>	319	<i>Acmaea (Mazatlanica).</i>
313	<i>Adamsi.</i>	319	<i>patina.</i>
313	<i>Haminea cymbiformis.</i>	319	<i>persona.</i>
313	<i>Cylichna luticola.</i>	319	<i>scabra.</i>
313	<i>Tornatina carinata.</i>	319	<i>mesoleuca.</i>
313	<i>infrequens.</i>	319	<i>fascicularis.</i>
313	<i>Glandina Albersi.</i>	319	<i>vespertina.</i>
313	<i>turris.</i>	319	<i>livescens.</i>
314	<i>Bulimus Ziegleri.</i>	319	<i>mitella.</i>
314	<i>zebra.</i>	319	<i>Scutellina navicelloides.</i>
314	<i>Mexicanus.</i>	319	<i>Gadinia pentagoniostoma.</i>
315	<i>Succinea cingulata.</i>	319	<i>Fissurella nigrocincta.</i>
315	<i>Melampus olivaceus.</i>	319	<i>alba.</i>
316	<i>Physa aurantia.</i>	319	<i>spongiosa.</i>
316	<i>elata.</i>	319	——.
316	<i>Planorbis tumens.</i>	319	<i>rugosa.</i>
316	<i>Siphonaria æquilirata.</i>	319	<i>virescens.</i>
316	<i>lecanium.</i>	319	( <i>Peruviana</i> ).
316	——.	320	<i>Glyphis alta.</i>
316	<i>Ianthina striulata.</i>	320	<i>inæqualis.</i>
316	<i>decollata.</i>	320	<i>Rimula Mazatlanica.</i>
316	<i>Recluzia Rollandiana.</i>	320	<i>Phasianella compta.</i>
317	<i>Dentalium liratum.</i>	320	<i>perforata.</i>
317	<i>hyalinum.</i>	320	<i>Callopoma fluctuosum.</i>
317	<i>corrugatum.</i>	320	<i>Uvanilla olivacea.</i>
317	<i>pretiosum.</i>	320	<i>unguis.</i>
317	<i>Lophyrus articulatus.</i>	320	<i>inermis.</i>
317	<i>albolineatus.</i>	320	<i>Bankivia (varians).</i>
317	<i>striatosquamosus.</i>	320	( <i>Ziziphinus</i> ) <i>versicolor.</i>
317	<i>lævigatus.</i>	321	<i>M'Andree.</i>
317	<i>Lepidopleurus Magdalen-</i>	321	——.
317	<i>clathratus.</i> [sis.]	321	<i>Omphalius rugosus.</i>
317	<i>bullatus.</i>	321	<i>viridulus.</i>
317	<i>M'Andree.</i>	321	<i>ligulatus.</i>
317	<i>Beanii.</i>	321	<i>globulus.</i>
317	<i>sanguineus.</i>	321	<i>Vitrinella decussata.</i>
317	<i>Tonicia Forbesii.</i>	321	<i>monilis.</i>
317	<i>Chiton flavescens.</i> [tes.]	321	<i>monilifera.</i>
318	<i>Acanthochites Arragoni-</i>	321	<i>lirulata.</i>

Page.		Page.	
321	<b>Vitrinella subquadrata.</b>	323	<b>Crepidula onyx.</b>
321	bifilata.	323	nivea.
321	bifrontia.	323	unguiformis.
321	coronata.	323	dorsata.
321	annulata.	323	(dilatata).
321	cinota.	324	<b>Hipponyx Grayanus.</b>
321	carinulata.	324	serratus.
321	naticoides.	324	antiquatus.
322	planospirata.	324	planatus.
322	orbis.	324	barbatus.
322	Panamensis.	324	Capulus ———.
322	parva.	324	<b>Aletes margaritarum.</b>
322	perparva.	324	centiquadrus.
322	exigua.	324	<b>Vermetus eburneus.</b>
322	? <b>Liolia carinata.</b>	324	<b>Bivonia contorta.</b>
322	striulata.	324	albida.
322	<b>C-B-Adamsi.</b>	324	——— (2 sp.)
322	———.	324	<b>Petalococonchus macro-</b>
322	? <b>Globulus tumens.</b>		phragma.
322	<b>Ethalia pyricalloa.</b>	324	<b>Elephantulum insculptum.</b>
322	lirulata.	324	subspirale.
322	pallidula.	324	abnormale.
322	carinata.	324	obtusum.
322	amplectans.	324	liratocinctum.
322	<b>Teinostoma amplectans.</b>	324	heptagonum.
322	substriatum.	324	<b>Anellum elongatum.</b>
322	<b>Nerita scabricosta.</b>	324	subimpressum.
322	Bernhardi.	324	clathratum.
322	<b>Neritina Californica.</b>	324	quadratum.
322	cassiculum.	324	undatum.
322	picta.	324	firmatum.
323	<b>Narica cryptophila.</b>	324	<b>Fartulum farcimen.</b>
323	<b>Crucibulum spinosum.</b>	324	glabriforme.
323	Jewettii.	324	corrugulatum.
323	imbricatum.	324	dextroversum.
323	<b>Calyptrea capacea.</b>	325	reversum.
323	<b>Galerus mammillaris.</b>	325	teres.
323	conicus.	325	laeve.
323	subreflexus.	325	<b>Turritella goniostoma.</b>
323	<b>Trochita spirata.</b>	325	tigrina.
323	ventricosa.	325	<b>Cerithium stercusmusca-</b>
323	<b>Crepidula adunca.</b>	325	alboliratum. [rum.
323	aculeata.	325	——— (2 sp.)
323	incurva.	325	maculosum.
323	excavata.	325	famelicum.

Page.		Page.	
325	<i>Cerithium uncinatum.</i>	327	<i>Alaba conica.</i>
325	<i>interruptum.</i>	328	<i>mutans.</i>
325	<i>Vertagus gemmatus.</i>	328	<i>laguncula.</i>
325	—.	328	— (2 sp.)
325	<i>Triphoris alternatus.</i>	328	<i>Planaxis nigrítella.</i>
325	<i>inconspicuus.</i>	328	<i>Radius variabilis.</i>
325	? <i>infrequens.</i>	328	<i>Cypræa exanthema.</i>
325	<i>Cerithidea varicosa.</i>	328	<i>Luponia</i> (? <i>spúrca</i> ).
325	<i>Montagnei.</i>	328	<i>Aricia arabicula.</i>
326	<i>Ampullaria malleata.</i>	328	<i>Trivia subrostrata.</i>
326	<i>Truncatella</i> —.	328	<i>pulla.</i>
326	<i>Littorina fasciata.</i>	328	<i>sanguinea.</i>
326	<i>coronata.</i>	328	<i>Solandri.</i>
326	—.	328	<i>radians.</i>
326	<i>aspera.</i>	328	<i>pustulata.</i>
326	<i>conspersa.</i>	328	<i>Erato columbella.</i>
326	<i>Philippii.</i>	328	<i>scabriuscula.</i>
326	<i>Modulus catenulatus.</i>	329	<i>Cancellaria candida.</i>
326	<i>disculus.</i>	329	<i>obesa.</i>
326	—.	329	<i>urceolata.</i>
326	<i>Fossarus tuberosus.</i>	329	<i>ventricosa.</i>
326	<i>angulatus.</i>	329	<i>cassidiformis.</i>
326	<i>Isapis ovoidea.</i>	329	<i>solida.</i>
327	<i>maculosa.</i>	329	<i>goniostoma.</i>
327	—.	329	<i>Strombus galeatus.</i>
327	<i>Rissoina stricta.</i>	329	<i>granulatus.</i>
327	<i>Woodwardii.</i>	329	<i>gracilior.</i>
327	—.	329	<i>Subula luctuosa.</i>
327	<i>Barleeia lirata.</i>	330	( <i>Euryta</i> ) <i>fulgurata.</i>
327	? <i>Alvania excurvata.</i>	330	<i>aciculata.</i>
327	<i>effusa.</i>	330	<i>Terebra specillata.</i>
327	<i>tumida.</i>	330	<i>robusta.</i>
327	—.	330	( <i>Myurella</i> ) <i>armillata.</i>
327	<i>Cingula</i> —.	330	<i>tuberculosa.</i>
327	<i>Hydrobia ulvæ.</i>	330	<i>variegata.</i>
327	—.	330	<i>alboincta.</i>
327	<i>Jeffreysia bifasciata.</i>	330	<i>Hindsii.</i>
327	<i>Alderi.</i>	330	<i>subnodosa.</i>
327	<i>tumens.</i>	330	<i>rufocinerea.</i>
327	—.	330	<i>Pleurotoma tuberculifera.</i>
327	<i>Alaba supralirata.</i>	330	<i>bituberculifera.</i>
327	<i>violacea.</i>	330	<i>nobilis.</i>
327	<i>terebialis.</i>	330	<i>funiculata.</i>
327	<i>alabastrites.</i>	330	<i>maculosa.</i>
327	<i>scalata.</i>	330	<i>picta.</i>

- | Page. |                                    | Page. |  |
|-------|------------------------------------|-------|--|
| 330   | <i>Drillia luctuosa</i> .          | 334   | <i>Parthenia exarata</i> .               |
| 330   | <i>cerithoidea</i> .               | 334   | <i>ziziphina</i> .                       |
| 331   | <i>monilifera</i> .                | 334   | <i>Chrysallida ovata</i> .               |
| 331   | <i>albovallosa</i> .               | 334   | <i>nodosa</i> .                          |
| 331   | <i>albonodosa</i> .                | 334   | <i>rotundata</i> .                       |
| 331   | <i>Hanleyi</i> .                   | 334   | <i>oblonga</i> .                         |
| 331   | —— (2 sp.)                         | 334   | <i>telescopium</i> .                     |
| 331   | <i>rudis</i> .                     | 334   | <i>Reigeni</i> .                         |
| 331   | <i>aterrima</i> .                  | 334   | <i>effusa</i> .                          |
| 331   | <i>zonulata</i> .                  | 334   | <i>fasciata</i> .                        |
| 331   | <i>incrassata</i> .                | 334   | <i>ovulum</i> .                          |
| 331   | <i>Clathurella aurea</i> .         | 334   | <i>convexa</i> .                         |
| 331   | ( <i>Defrancia</i> ) <i>rava</i> . | 334   | <i>Photis</i> .                          |
| 332   | <i>Cithara</i> ——.                 | 334   | <i>indentata</i> .                       |
| 332   | <i>Mangelia acuticostata</i> .     | 334   | <i>clausiliformis</i> .                  |
| 332   | <i>Conus ferrugatus</i> .          | 334   | <i>communis</i> .                        |
| 332   | <i>concinus</i> .                  | 334   | <i>Chemnitzia prolongata</i> .           |
| 332   | <i>pusillus</i> .                  | 334   | <i>muricata</i> .                        |
| 332   | <i>puncticulatus</i> .             | 334   | <i>gibbosa</i> .                         |
| 332   | ——.                                | 334   | <i>gracillima</i> .                      |
| 332   | <i>scalaris</i> .                  | 334   | <i>undata</i> .                          |
| 332   | <i>nux</i> .                       | 334   | <i>flavescens</i> .                      |
| 332   | <i>gladiator</i> .                 | 334   | <i>terebralis</i> .                      |
| 332   | <i>purpurascens</i> .              | 334   | <i>tenuilirata</i> .                     |
| 333   | <i>regalitis</i> .                 | 335   | <i>unifasciata</i> .                     |
| 333   | <i>regularis</i> .                 | 335   | —— (4 sp.)                               |
| 333   | ? <i>arcuatus</i> .                | 335   | <i>C-B-Adamsi</i> .                      |
| 333   | <i>princeps</i> .                  | 335   | <i>Panamensis</i> .                      |
| 333   | <i>Solarium (granulatum)</i> .     | 335   | <i>similis</i> .                         |
| 333   | <i>Torinia variegata</i> .         | 335   | <i>aculeus</i> .                         |
| 333   | ? <i>granosa</i> .                 | 335   | <i>affinis</i> .                         |
| 333   | <i>Obeliscus (achates)</i> .       | 335   | ( <i>Dunkeria</i> ) <i>paucilirata</i> . |
| 333   | ? <i>conicus</i> .                 | 335   | <i>subangulata</i> .                     |
| 333   | <i>Odostomia subilirulata</i> .    | 335   | <i>cancellata</i> .                      |
| 333   | <i>lamellata</i> .                 | 335   | <i>intermedia</i> .                      |
| 333   | <i>subsulcata</i> .                | 335   | <i>Eulimella obsoleta</i> .              |
| 334   | <i>vallata</i> .                   | 335   | —— (3 sp.)                               |
| 334   | <i>mamillata</i> .                 | 335   | ? ——.                                    |
| 334   | <i>tenuis</i> .                    | 335   | <i>Aclis fusiformis</i> .                |
| 334   | ——.                                | 335   | <i>tumens</i> .                          |
| 334   | ( <i>Auriculina</i> ) —— (3 sp.)   | 335   | <i>Eulima hastata</i> .                  |
| 334   | <i>Parthenia scalariformis</i> .   | 335   | —— (2 sp.)                               |
| 334   | <i>quinquecineta</i> .             | 335   | <i>Leiostraca linearis</i> .             |
| 334   | <i>lacunata</i> .                  | 335   | ? <i>distorta</i> .                      |
| 334   | <i>armata</i> .                    | 335   | —— (2 sp.)                               |

Page.		Page.	
335	<i>Leiostracea</i> ? <i>recta</i> .	339	<i>Voluta harpa</i> .
335	? <i>solitaria</i> .	339	<i>Marginella curta</i> .
335	? <i>iota</i> .	339	<i>polita</i> .
335	<i>Cerithiopsis tuberculoides</i> .	339	<i>margaritula</i> .
335	<i>cerea</i> .	339	<i>minor</i> .
335	<i>pupiformis</i> .	339	<i>Oliva intertincta</i> .
335	<i>Sorex</i> .	339	<i>Duclosi</i> .
335	<i>convexa</i> .	339	? <i>eburnea</i> .
335	<i>decussata</i> .	339	<i>porphyria</i> .
335	<i>assimilata</i> .	339	<i>angulata</i> .
336	<i>Scalaria indistincta</i> .	339	<i>Melchersi</i> .
336	<i>reflexa</i> .	339	<i>splendidula</i> .
336	<i>suprastrata</i> .	339	<i>venulata</i> .
336	<i>raricostata</i> .	339	<i>Cumingii</i> .
336	—— (2 sp.)	339	<i>Olivella dama</i> .
336	<i>hexagona</i> .	339	<i>intorta</i> .
336	<i>Cirsotrema funiculata</i> .	339	<i>p. aureocincta</i> .
336	<i>Natica maroceana</i> .	339	<i>anzora</i> .
336	<i>bifasciata</i> .	339	<i>zonalis</i> .
336	——.	340	<i>tergina</i> .
337	<i>Lunatia tenuilirata</i> .	340	<i>undatella</i> .
337	—— (3 sp.)	340	<i>inconspicua</i> .
337	<i>otis</i> .	340	<i>Aragonia testacea</i> .
337	<i>Neverita glauca</i> .	340	<i>Purpura estaginata</i> .
337	<i>Polinices uber</i> .	340	<i>triangularis</i> .
337	<i>intemerata</i> .	340	<i>triserialis</i> .
337	<i>unimaculata</i> .	340	<i>patula</i> .
337	<i>Sigaretus debilis</i> .	340	<i>columellaris</i> .
337	<i>Lamellaria</i> —— (2 sp.)	340	<i>muricata</i> .
337	<i>Ficula ventricosa</i> .	340	<i>biserialis</i> .
337	<i>Oniscia tuberculosa</i> .	340	<i>Cuma costata</i> .
337	<i>Cassis coarctata</i> .	340	<i>kiosquiformis</i> .
338	( <i>Argobuccinum</i> ) <i>nodosum</i> .	340	<i>Rhizocheilus asper</i> .
338	<i>Ranella pectinata</i> .	340	<i>nux</i> .
338	——.	340	<i>Vitularia salebrosa</i> .
338	? <i>tuberculata</i> .	341	<i>Monoceros tuberculatum</i> .
338	<i>nana</i> .	341	( <i>cornigerum</i> ).
338	<i>Turbinella cæstus</i> .	341	<i>Nitidella</i> ——.
338	<i>Lathirus armatus</i> .	341	<i>cribraria</i> .
338	<i>Californicus</i> .	341	<i>Columbella cervinetta</i> .
338	<i>ceratus</i> .	341	<i>nasuta</i> .
338	<i>Leucozonia cingulata</i> .	341	<i>major</i> .
338	<i>Fasciolaria princeps</i> .	341	<i>strombiformis</i> .
338	<i>Mitra lens</i> .	341	<i>fuscata</i> .
339	<i>Strigatella tristis</i> .	342	<i>Metula</i> —— (4 sp.)

Page.		Page.	
342	<b>Nassa tegula.</b>	343	<b>Anachis pygmæa.</b>
342	<b>crebristriata.</b>	344	<b>Strombina</b> ———.
342	——— (♀ sp.)	344	<b>maculosa.</b>
342	<b>versicolor.</b>	344	<b>Pisania gemmata.</b>
342	<b>luteostoma.</b>	344	<b>sanguinolenta.</b>
342	? <b>acuta.</b>	344	<b>insignis.</b>
342	<b>gemmales.</b>	344	? ( <b>æquilirata</b> ).
343	<b>Pyrula patula.</b>	344	<b>ringens.</b>
343	<b>Fusus lignarius.</b>	344	<b>Northia pristis.</b>
343	<b>ambustus.</b>	344	<b>Murex armatus.</b>
343	<b>tumens.</b>	345	<b>plicatus.</b>
343	<b>apertus.</b>	345	<b>recurv. lividus.</b>
343	——— (2 sp.)	345	( <b>Phyllonotus</b> ) <b>imperialis.</b>
343	<b>pallidus.</b>	345	<b>nigritus.</b>
343	<b>Cominella</b> ———.	345	<b>brassica.</b>
343	<b>Anachis tæniata.</b>	345	<b>princeps.</b>
343	<b>nucleolus.</b>	345	<b>nitidus.</b>
343	<b>pallida.</b>	345	<b>bicolor.</b>
343	<b>nigrofusca.</b>	345	<b>regius.</b>
343	<b>serrata.</b>	345	( <b>Muricidea</b> ) <b>radicata.</b>
343	<b>rufotincta.</b>	345	<b>fimbriata.</b>
343	<b>albonodosa.</b>	345	<b>pauillus.</b>
343	——— (2 sp.)	345	———.
343	<b>Gaskoini.</b>	345	<b>lapa.</b>
343	<b>costellata.</b>	345	? <b>er. indentata.</b>
343	<b>scalarina.</b>	345	<b>dubia.</b>
343	<b>coronata.</b>	345	<b>Typhis fimbriatus.</b>
343	<b>fulva.</b>	345	<b>grandis.</b>

## LIST OF PLATES.

Pl. Fig.		Pl. Fig.	
vi 1-4	<b>Arca grandis.</b>	viii 1	<b>Crepidula nivea.</b>
vii 1 a	<b>Cyrena Mexicana.</b>		<i>Calyptrea squama.</i>
	<i>C. Florida</i> Desh. non		<i>Lessonii.</i>
1 b	<i>altalis.</i> [Conr.]		<i>striolata.</i>
vii 2	<b>Avicula sterna</b> Gould.	viii 2	<b>unguiformis.</b>
vii 3	<b>Gadinia pentagonios-</b>	viii 3	<b>aculeata.</b>
	<b>toma.</b>		<i>Calyptrea echinus.</i>
vii 4	<b>Glyphis inæqualis.</b>		<i>histris.</i>
	<i>Fissurella pica.</i>		<i>Crepidula costata</i> Mke.
	<i>mus.</i>		non Sb.
vii 5	<b>Fissurella rugosa.</b>		<i>Californica.</i>
	<i>F. chlorotrema.</i>	viii 4	<b>Lophyrus articulatus</b> Sb.
	<i>humilis.</i> [Rv.]	viii 5	<b>Fissurella virescens.</b>
	<i>viminea</i> Mke. non		



Pl. Fig.		Pl. Fig.	
ix 1	<b>Crucibulum imbricatum.</b> <i>Patella scutellata.</i> <i>Calypeopsis rugosa.</i> <i>Dyspotæa dentata.</i> <i>Calyptræa extinctorium</i> Sby. non Lam. <i>rugosa.</i>		<i>Calyptræa tubifera.</i> <i>Calypeopsis auriculata.</i> <i>tenuis.</i> <i>hispida.</i> <i>maculata.</i> <i>quiriquina.</i> <i>Byronensis.</i> <i>rugosa.</i> <i>lignaria.</i>
ix 2	<b>Crepidula indorsata.</b> var. <i>bilobata.</i>		
ix 3	<b>Crucibulum spinosum.</b> <i>Patella Peziza.</i>	ix 4	<b>Cæcum undatum.</b>
		ix 5	<b>Neritina cassiculum.</b>

**Conrad.**—In the Advocate of Science and Annals of Natural History, vol. i, No. 2, September, 1834, Philadelphia. By T. A. CONRAD, are—

Page.	Name.	Locality.
58	Notes on <b>Rangia Cyrenoides.</b>	Mobile.

**Rafinesque.**—Conchology: a new Tubular Fresh-water Shell of the Alleghany Mountains: by C. S. RAFINESQUE. (From Atlantic Journal and Friend of Knowledge, No. 3, page 121. Philadelphia, 1832.)

Page.	Name.	Locality.
122	<b>Psephides Raf.</b> (n. g.)	
122	<b>parodoxa Raf.</b>	Sherman creek, Perry Co., Pa.
	(Wood-cut on page 121.)	

**Rafinesque.**—Odatelia: new genus of North American Fluvial Bivalve Shells: by C. S. RAFINESQUE. (From the same, No. 4, 1832.)

Page.	Name.	Page.	Name.
154	<b>Odatelia Raf.</b> (n. g.)		<i>Unio dehiscens</i> Say.
154	<b>radiata Raf.</b>		<i>Anodonta prelonga</i> Green.
	<i>Unio oriens</i> Lea.		

**C. B. Adams.**—(In Silliman's Journal, o. s., vol. xlv, No. 2. Jan.—March, 1843.)

Page.	Name.	Locality.
420	<b>Periploma trapezoides</b> Desh. <i>Thracia inequalis.</i>	Mobile bay.

**Anonymous.**—Mr. Lea on the Naiades, in the Transactions of the American Philosophical Society. (From Silliman's Journal, o. s., vol. xxii, No. 1, pp. 169–179. July, 1832.)

[No descriptions or synonymy are given, but a repetition of Mr. LEA'S Synopsis.—W. G. B.]

**Anonymous.**—Observations on the Genus Unio, &c., by I. Lea, in the Transactions of the American Philosophical Society. (From Silliman's Journal, o. s., vol. xxvii, No. 2, pp. 371–377. 1835.)

[Extracts from the paper criticized are given, but no new descriptions or synonymy.—W. G. B.]

**Anonymous.**—Observations, &c., from the Transactions of the American Philosophical Society, vol. vi, No. 1. (From Silliman's Journal, o. s., vol. xxxv, p. 184. 1839.)

[This is a mere notice of one of Mr. LEA'S papers, without criticisms or descriptions, with a list of species described.—W. G. B.]

**Haldeman.**—Correction to the article on Melanians (vol. xli, p. 21): by S. S. HALDEMAN. (From Silliman's Journal, o. s., vol. xlii. December, 1841.)

Page.		Page.	
216	<i>Melania undulata</i> Say.	216	<i>Trochlea Hald.</i> (n. g.)
216	<i>Nerita aurita</i> Müll. = n. g.		( <i>Planaria</i> Capt. Brown.)
	<i>Claviger.</i>	216	<i>alba</i> Brown.
216	<i>Claviger aurita.</i>	216	<i>nitens</i> Lea.
216	<i>tuberculosa.</i>		

**Couthouy.**—Notes on the following: by J. P. COUTHOUY. (From Silliman's Journal, o. s., vol. xxxvi, No. 2. April–July, 1839.)

Page.		Page.	
381	<i>Patelloidea</i> (Lottia).	381	<i>Patelloidea cærulea.</i>
381	<i>amcena</i> Say.		Europe.
381	<i>alveus</i> Conrad.	381	<i>pellucida.</i>
			Europe.

**W. Whittemore.**—(From the same.)

Page.	Name.	Locality.
381	<i>Planorbis armigerus</i> .	Cambridge.
381	<i>Cyclas similis</i> .	Cambridge.
381	<i>Physa heterostropha</i> .	Cambridge.

**Agassiz and Gould.**—Principles of Zoölogy, &c. Part I. Comparative Physiology: by LOUIS AGASSIZ and AUGUSTUS A. GOULD. Boston, 1848.

[The work being general in its character, no descriptions of shells occur. Among the diagrams, however, occur the following]:—

Fig.	Name.	Fig.	Name.
11	<i>Natica heros</i> (nerv. system.)	52	<i>Tebennophorus Carolinien-</i>
47	<i>Loligo illecebrosa</i> .	58	<i>Natica heros</i> (teeth). [sis.

**Anonymous.**—On the Economical Uses of some species of Testacea. (From Silliman's Journal, o. s., vol. xxxii, No. 1, p. 53 No. 2, p. 235. 1837.)

[No descriptions are given, but numerous interesting remarks on the following]:—

Page.	Name.	Page.	Name.
56	<i>Mytilus margaritiferus</i> Linn.	70	<i>Pinna rotundata</i> Linn.?
68	<i>Mya margaritifera</i> Linn.	73	<i>Mytilus</i> ———.
235	<i>Murex</i> ———?	250	<i>Voluta gravis</i> Linn.
239	<i>tritonis</i> Linn.	250	<i>Cypræa moneta</i> Linn.
241	———?	251	<i>Chiton fasciatus</i> Linn.
241	<i>Ostrea edulis</i> Linn.	251	<i>Murex despectus</i> Linn.
247	<i>scabra</i> Linn.	251	<i>Solen siliqua</i> Linn.
248	<i>Mya pictorum</i> Linn.	252	<i>Mytilus edulis</i> Linn.
248	<i>Turbo littoreus</i> Linn.	254	<i>Cardium edule</i> .
248	<i>Buccinum lapillus</i> Linn.	254	<i>Helix pomatia</i> .
248	<i>Pecten maximum</i> Penn.	256	<i>Unio</i> ———.
249	<i>opercularis</i> Penn.	256	<i>Chama gigas</i> Linn., &c.
249	<i>concentricum</i> .		

**S. P. Hildreth.**—Disease among Shell-fish (Naiades). (From same as last, p. 97.)

**Mitchill.**—Facts and Observations intended to illustrate the Natural and Economical History of the Eatable Clam of New York and its vicinity: by SAMUEL L. MITCHILL, M. D., &c. (From Silliman's Journal, o. s., vol. x, No. 2, p. 287. 1826.)

Venus mercenaria.  
Mya arenaria.

Mactra solidissima.  
Arca barbata.

**Gould.**—Lamarck's Genera of Shells, with a Catalogue of Species: translated from the French by AUG. A. GOULD, M. D. Boston, 1833.

[No descriptions of species are given. Dr. GOULD adds a list of American species not included by Lamarck. These only are given below.—W. G. B.]

Page.		Page.	
11	<b>Pholas oblongata.</b>	21	<b>Tellina iris.</b>
11	truncata.	21	tenera.
11	cuneiformis.	21	intastriata.
11	pusillus.	21	lateralis.
12	<b>Solen costatus.</b>	21	decora.
12	centralis.	21	flexuosa.
12	viridis.	21	<b>Tellinides rosea.</b>
13	<b>Mya acuta.</b>	25	<b>Cyclas rhomboidea.</b>
13	mercenaria.	25	partumeia.
13	hyalina.	27	<b>Cytherea occulta.</b>
13	<b>Anatina papyratia.</b>	28	<b>Venus castanea.</b>
13	Leana.	28	inequalis.
14	<b>Lutraria canaliculata.</b>	28	elevata.
15	<b>Mactra similis.</b>	28	præparca.
15	lateralis.	28	grata.
15	oblonga.	28	notata.
15	solidissima.	29	<b>Venericardia tridentata.</b>
15	arctata.	30	<b>Cardium Mortoni.</b>
15	tellinoides.	30	pinnulatum.
15	nucleus.	33	<b>Arca staminea.</b>
15	<b>Erycina striata.</b>	33	lienosa.
16	<b>Solenomya velum.</b>	33	ponderosa.
17	<b>Corbula contracta.</b>	33	pexata.
17	<b>Pandora trilineata.</b>	33	incongrua.
21	<b>Tellina alternata.</b>	33	transversa.
21	punicea.	34	<b>Nucula limatula.</b>
21	polita.	34	proxima.

Page.		Page.	
34	<i>Nucula nucleus.</i>	37	<i>Unio heterodon.</i>
34	<i>recurva.</i>	37	<i>sulcatus.</i>
37	<i>Unio ridibundus.</i>	37	<i>planulatus.</i>
37	<i>monodonta.</i>	37	<i>circulus.</i>
37	<i>undulatus.</i>	37	<i>multiradiatus.</i>
37	<i>abruptus.</i>	37	<i>occidens.</i>
37	<i>phaseolus.</i>	37	<i>securis.</i>
37	<i>tetralasmus.</i>	37	<i>iris.</i>
37	<i>dehiscens.</i>	37	<i>zig-zag.</i>
37	<i>interruptus.</i>	37	<i>patulus.</i>
37	<i>globulus.</i>	38	<i>Symphynota lævissima.</i>
37	<i>declivis.</i>	38	<i>bialata.</i>
37	<i>lapillus.</i>	38	<i>alata.</i>
37	<i>camptodon.</i>	38	<i>complanata.</i>
37	<i>lugubris.</i>	38	<i>compressa.</i>
37	<i>radiatus.</i>	38	<i>gracilis.</i>
37	<i>ovatus.</i>	38	<i>tenuissima.</i>
37	<i>cariosus.</i>	38	<i>ochracea.</i>
37	<i>nasutus.</i>	38	<i>cygnea.</i>
37	<i>cylindricus.</i>	38	<i>Alasmodonta undulata.</i>
37	<i>subtentus.</i>	38	<i>marginata.</i>
37	<i>plicatus.</i>	38	<i>ambigua.</i>
37	<i>rectus.</i>	38	<i>confragosa.</i>
37	<i>torsus.</i>	43	<i>Modiola Americana.</i>
37	<i>mytiloides.</i>	43	<i>castanea.</i>
37	<i>metanever.</i>	43	<i>Mytilus hamatus.</i>
37	<i>scalenius.</i>	43	<i>lateralis.</i>
37	<i>cornutus.</i>	43	<i>cubitus.</i>
37	<i>verrucosus.</i>	43	<i>leucophæatus.</i>
37	<i>tuberculatus.</i>	49	<i>Pecten concentricus.</i>
37	<i>gibbosus.</i>	49	<i>Pealii.</i>
37	<i>cuneatus.</i>	49	<i>ornatus.</i>
37	<i>ventricosus.</i>	49	<i>dislocatus.</i>
37	<i>siliquoides.</i>	51	<i>Ostrea semicylindrica.</i>
37	<i>triangularis.</i>	52	<i>Placuna pertusa.</i>
37	<i>parvus.</i>	52	<i>quadrifasciata.</i>
37	<i>Æsopus.</i>	58	<i>Patella amœna.</i>
37	<i>calceolus.</i>	58	<i>alternata.</i>
37	<i>lanceolatus.</i>	60	<i>Crepidula depressa</i>
37	<i>donaciformis.</i>	60	<i>glauca.</i>
37	<i>ellipsis.</i>	60	<i>plana.</i>
37	<i>irroratus.</i>	60	<i>intorta.</i>
37	<i>lachrymosus.</i>	60	<i>conveza.</i>
37	<i>ater.</i>	60	<i>Calyptrea striata.</i>
37	<i>rubiginosus.</i>	60	<i>Ancylus rivularis.</i>

Page.		Page.	
61	<i>Bullæana solitaria.</i>	65	<i>Pupa ovata.</i>
63	<i>Helix albolabris.</i>	65	<i>pentodon.</i>
63	<i>hirsuta.</i>	66	<i>Bulimus multilatus.</i>
63	<i>perspectiva.</i>	66	<i>multilineatus.</i>
63	<i>lineata.</i>	66	<i>Achatina solida.</i>
63	<i>thyroidus.</i>	66	<i>Succinea ovalis.</i>
63	<i>minuta.</i>	66	<i>campestris.</i>
63	<i>labyrinthica.</i>	67	<i>Cyclostoma lapidaria.</i>
63	<i>multilineata.</i>	67	<i>marginata.</i>
63	<i>appressa.</i>	67	<i>dentata.</i>
63	<i>palliata.</i>	68	<i>Planorbis armigerus.</i>
63	<i>inflecta.</i>	68	<i>trivolvus.</i>
63	<i>clausa.</i>	68	<i>bicarinatus.</i>
63	<i>obstricta.</i>	68	<i>parvus.</i>
63	<i>elevata.</i>	68	<i>parallelus.</i>
63	<i>interna.</i>	68	<i>exacuus.</i>
63	<i>chersina.</i>	68	<i>campanulatus.</i>
63	<i>gularis.</i>	68	<i>glabratus.</i>
63	<i>ligera.</i>	68	<i>Physa gyrina.</i>
63	<i>solitaria.</i>	68	<i>elongata.</i>
63	<i>jejuna.</i>	68	<i>heterostropha.</i>
63	<i>concava.</i>	68	<i>ancillaria.</i>
63	<i>dealbata.</i>	69	<i>Lymnæa columella.</i>
63	<i>profunda.</i>	69	<i>elongata.</i>
63	<i>alternata.</i>	69	<i>catascopium.</i>
63	<i>irrorata.</i>	69	<i>reflexa.</i>
63	<i>inornata.</i>	69	<i>appressa.</i>
63	<i>indentata.</i>	69	<i>elodes.</i>
63	<i>fallax.</i>	69	<i>desidiosa.</i>
63	<i>egena.</i>	69	<i>macrostoma.</i>
63	<i>tridentata.</i>	69	<i>emarginata.</i>
63	<i>monodon.</i>	69	<i>humilis.</i>
64	<i>Polygyra auriculata.</i>	69	<i>modicella.</i>
64	<i>avara.</i>	69	<i>obrussa.</i>
64	<i>septemvolva.</i>	69	<i>pinguis.</i>
64	<i>plicata.</i>	69	<i>galbana.</i>
64	<i>Helicina major.</i>	69	<i>Melania nupera.</i>
64	<i>orbiculata.</i>	69	<i>depygis.</i>
64	<i>occulta.</i>	69	<i>Virginica.</i>
65	<i>Pupa armifera.</i>	69	<i>semicarinata.</i>
65	<i>corticaria.</i>	69	<i>laqueata.</i>
65	<i>rupicola.</i>	69	<i>canaliculata.</i>
65	<i>contracta.</i>	69	<i>elevata.</i>
65	<i>exigua.</i>	69	<i>conica.</i>
65	<i>fallax.</i>	69	<i>catenaria.</i>

Page.		Page.	
69	<i>Melania multilineata.</i>	78	<i>Turbo canaliculatus.</i>
69	<i>simplex.</i>	78	<i>palliatius.</i>
69	<i>proxima.</i>	78	<i>vestita.</i>
70	<i>Pirena scalariformis.</i>	78	<i>obligatus.</i>
70	<i>Valvata tricarinata.</i>	79	<i>Turritella concava</i>
70	<i>Paludina decisa.</i>	79	<i>æqualis.</i>
70	<i>vivipara.</i>	79	<i>alternata.</i>
70	<i>subpurpurea.</i>	79	<i>reticulata.</i>
70	<i>intertexta.</i>	79	<i>impressa.</i>
70	<i>ponderosa.</i>	79	<i>bisuturalis.</i>
70	<i>integra.</i>	80	<i>Cerithium muscarum.</i>
70	<i>porata.</i>	80	<i>septemstriatum.</i>
70	<i>limosa.</i>	80	<i>ferrugineum.</i>
70	<i>decipiens.</i>	80	<i>dislocatum.</i>
70	<i>lustrica.</i>	81	<i>Fusus corneus.</i>
70	<i>grana.</i>	81	<i>cinereus.</i>
70	<i>subglobosa.</i>	81	<i>bicolor.</i>
73	<i>Natica triseriata.</i>	81	<i>decemcostatus.</i>
73	<i>duplicata.</i>	81	<i>fluviatilis.</i>
73	<i>rugosa.</i>	83	<i>Ranella caudata.</i>
73	<i>heros.</i>	90	<i>Buccinum ornatum.</i>
73	<i>pusilla.</i>	90	<i>armigerum.</i>
73	<i>Sigaretus perspectivus.</i>	90	<i>bezoar.</i>
73	<i>maculatus.</i>	90	( <i>Nassa</i> ) <i>vibex.</i>
75	<i>Pyramidella dolabrata.</i>	90	<i>trivittata.</i>
75	<i>plicata.</i>	90	<i>obsoleta.</i>
75	<i>corrugata.</i>	90	<i>acuta.</i>
75	<i>maculosa.</i>	90	<i>unicincta.</i>
75	<i>Scalardia multistriata.</i>	90	<i>alba.</i>
75	<i>lineata.</i>	90	<i>lunata.</i>
75	<i>clathrulus.</i>	92	<i>Columbella labiosa.</i>
76	<i>Delphinula laxa.</i>	92	<i>avara.</i>
78	<i>Turbo irroratus.</i>	97	<i>Oliva mutica.</i>

**Storer.**—A translation of Kiener's "Species General," &c. into English: by D. HUMPHREYS STORER, M. D. No. 1. Boston, 1837.

[*Buccinum*, *Dolium*, *Tornatella*, *Pyramidella*, *Thracia*, and *Harpa* were published. A list of additional American species of *Buccinum* and *Nassa* is given, without descriptions, on page 100.—W. G. B.]

*Buccinum ornatum* Say.  
*Nassa vibex* Say.  
    *trivittata* Say.  
    *acuta* Say.

*Nassa unicincta* Say.  
    *alba* Say.  
    *lunata* Say.

**Ruschenberger.**—Natural History; Conchology, vol. i, book 4: by Dr. W. S. W. RUSCHENBERGER. Philad'a, 1850.

[No descriptions are given.—W. G. B.]

**Warren.**—The Conchologist: by JOHN WARREN. With 16 plates. Boston, 1834.

[No descriptions or localities are given.—W. G. B.]

**Poe.**—The Conchologist's First Book, &c.; arranged expressly for the use of Schools: by EDGAR A. POE. Second edition, with 12 plates. Philadelphia, 1840.

[No descriptions or localities of species are given. The generic descriptions appear to be copied from WYATT'S "Conchology."—W. G. B.]

**Wyatt.**—A Manual of Conchology, according to the System laid down by Lamarck, &c.: by THOMAS WYATT, M. A. With 36 plates. New York, 1838.

[Descriptions of but few species are given, and these without locality.—W. G. B.]

**Rafinesque.**—Discoveries in Natural History in the Western States: by C. S. RAFINESQUE. (From Amer. Monthly Magazine and Critical Review, vol. iii, p. 354 New York. September, 1818.)

Page.		Page.	
355	<b>Potamilus latissimus Raf.</b>	355	<b>Potamilus gibbosus Raf.</b>
355	<b>violacinus Raf.</b>	355	<b>verrucosus Raf.</b>
355	<b>niger Raf.</b>	355	<b>tubercularis Raf.</b>
355	<b>fasciolaris Raf.</b>	355	<b>nodosus Raf.</b>
355	<b>phaiedrus Raf.</b>	355	<b>pusillus Raf.</b>
355	<b>ellipticus Raf.</b>	355	<b>subrotundus Raf.</b>
355	<b>zonalis Raf.</b>	355	<b>obovalis Raf.</b>
355	<b>obliquatus Raf.</b>	355	<b>Pleurocera retusa Raf.</b>
355	<b>retusus Raf.</b>	355	<b>saxatilis Raf.</b>
355	<b>truncatus Raf.</b>	355	<b>fasciata Raf.</b>
355	<b>triqueter Raf.</b>	355	<b>coneola Raf.</b>
355	<b>alatus Raf.</b>	355	<b>angulata Raf.</b>
355	<b>nervosus Raf.</b>	355	<b>turricula Raf.</b>
335	<b>fasciatus Raf.</b>	355	<b>Ambloxis eburnea Raf.</b>
355	<b>auratus Raf.</b>	355	<b>ventricosa Raf.</b>



**Rafinesque.**—Further Account of Discoveries in Natural History in the Western States: by C. S. RAFINESQUE. (From the same, vol. iv, p. 38. November, 1818.)

Page.	Name.	Locality.
42	<i>Ellipstoma Raf.</i> (n. g.)	
42	<i>gibbosa Raf.</i>	Ohio and Wabash river.
42	<i>zonalis Raf.</i>	Kentucky river.
42	<i>rugosa Raf.</i>	Ohio river.

**Rafinesque.**—General Account of the Discoveries made in the Zoology of the Western States: by C. S. RAFINESQUE. (From the same, vol. iv, p. 106. December, 1818.)

[No descriptions are given. The following new genera are mentioned by name—W. G. B.]—

Page.	Name.	Page.	Name.
107	<i>Mesomphix Raf.</i>	107	<i>Ellipstoma Raf.</i>
107	<i>Trophodon Raf.</i>	107	<i>Euryostoma Raf.</i>
107	<i>Triodopsis Raf.</i>	107	<i>Notrema Raf.</i>
107	<i>Stenostoma Raf.</i>	107	<i>Ambloxis Raf.</i>
107	<i>Toxostoma Raf.</i>	107	<i>Patamila Raf.</i>
107	<i>Zolotrema Raf.</i>	107	<i>Truncilla Raf.</i>
107	<i>Aplodon Raf.</i>	107	<i>Stenodon Raf.</i>
107	<i>Lymnula Raf.</i>	107	<i>Pleuroxis Raf.</i>
107	<i>Pleurotoma Raf.</i>		

**Rafinesque.**—Description of a new genus of Fluviatile Bivalve Shell of the family Brachiopods, *Notrema fissurella*, &c.: by C. S. RAFINESQUE. (From the same, p. 356. March, 1819.)

Page.	Name.	Locality.
356	<i>Notrema fissurella Raf.</i>	Ohio river.

**Adams.**—Catalogue of the Genera and Species of Recent Shells in the Collection of C. B. ADAMS, A. M. Middlebury, 1847.

[No descriptions are given. As the "North American" species are not limited to the region to which my extracts are confined, I do not insert them here.—W. G. B.]

Page.	Name.	Page.	Name.
19	<i>Cerithium terebrale</i> Ad. preoc. =	21	<i>Natica canaliculata</i> Gld. preoc.
	<i>C. terrebellum.</i>		= <i>N. Gouldii</i> Adams.

Page.		Page.
23	<i>Cyclostoma obscurum</i> Gr. preoc. = <b>C. Grayanum</b> Adams.	32 <b>Helix cellaria.</b> <i>H. glaphyra.</i>
29	<i>Thetis</i> preoc. = <b>Gouldia.</b>	32 <b>Physa hypnorum.</b>
32	<b>Helix arbustorum.</b> } Cape Cod	32 <b>Paludina vivipara.</b>
32	<i>aspersa.</i> } and	32 <b>Limnæa minuta.</b>
32	<i>hortensis.</i> } Portland.	32 <i>desidiosa.</i>
32	<i>virgata.</i> }	32 <b>Helix lucida.</b>
	Notes on—	32 <i>arborea.</i>
32	<b>Helix pulchella.</b>	

**Kirtland.**—Remarks on the Sexes and Habits of some of the Acephalous Bivalve Mollusca: by JARED P. KIRTLAND, M. D. (From Proc. Am. Assoc. Adv. Sci., vol. v, p. 85–91. Washington, 1851.)

[Notes on sexual differences, byssus, locality, rarity, &c., of numerous species.—W. G. B.]

**Akerly.**—Economical History of the Fishes sold in the Markets of the city of New York: by Dr. S. AKERLY. (From Amer. Monthly Magazine and Critical Review, vol. ii. New York. Feb. 1818.)

Page.		Page.
296	Notes on <b>Mya arenaria.</b>	296 Notes on <b>Ostrea edulis.</b>
296	<b>Venus mercenaria.</b>	(Also on page 475.)

**Kennicott.**—Catalogue of Animals observed in Cook County, Illinois: by ROBERT KENNICOTT. (From Trans. Illinois State Agricultural Soc., vol. i, p. 577. Mollusca, p. 595. Springfield, Ill., 1855.)

[No descriptions are given.—W. G. B.]

Page.		Page.
595	<b>Unio alatus</b> Say.	595 <b>Unio parvus</b> Barnes.
595	<i>costatus</i> Raf. <sup>o</sup>	595 <b>Alasmodonta calceolata</b>
595	<i>iris</i> Lea.	595 <b>Cyclas similis</b> Say. [Lea.
595	<i>bullatus</i> Raf.	595 <b>Helix monodon</b> Rack.
595	<i>fragilis</i> Raf.	595 <i>profunda.</i>
595	<i>luteolus</i> Lam.	595 <b>Planorbis campanulatus</b>
595	<i>dilatatus</i> Raf.	595 <i>trivolvus</i> Say. [Say.
595	<i>coccineus</i> Hldr.	595 <b>Limnea reflexa</b> Say.
595	<i>cardium</i> Raf.	595 <i>fragilis</i> Linn.

Page.		Page.
595	<i>Limnea emarginata</i> Say.	595 <i>Melania carinata</i> .
595	<i>Physa heterostropha</i> Say.	595 <i>semicarinata</i> Say.
595	<i>Paludina decisa</i> Say.	

**Conrad.**—Shells from Coast of Lower California and Peru: by T. A. CONRAD. (From Journ. Acad. Nat. Sci. Phila., N. S., vol. i, pt. 4, p. 278 Jan. 1850. Vide also, *ante*.)

Page.	Plate.	Fig.	Name.
278			<i>Solecardia</i> Conrad (n. g.)
279	xxxix	1	<i>eburnea</i> Conrad.
279	xxxix	2	<i>Petricola sinuosa</i> Conrad.
279			<i>Pholadopsis</i> Conrad (n. g.)
279	xxxix	3	<i>pectinata</i> Conrad.
279	xxxix	4	<i>Parapholas bisulcata</i> Conrad.
279	xxxix	5	<i>Penitella Wilsoni</i> Conrad.
280	xxxix	6	<i>Triton perforatus</i> Conrad.
280	xxxix	7	<i>Oliva propatula</i> Conrad.

**Leidy.**—On the Situation of the Olfactory Sense in the Terrestrial Tribe of Gasteropodous Mollusca: by Dr. J. LEIDY. (In Journ. Acad. Nat. Sci. Phila., N. S., vol. i, pt. 1, p. 49. Dec. 1847.)

**Rafinesque.**—Podrome de 70 nouveaux genres d'Animaux découverts dans l'intérieur des Etats Unis d'Amérique, durant l'année 1818: par C. S. RAFINESQUE, Prof., etc. (Journal de Physique, de Chemie, d'Histoire Naturelle, et des Arts, etc.: par M. H-M, Ducrotay de Blainville. Tome 88, p. 417. Paris, Juin, 1819.)

Page.		Page.
423	<i>Pleurocera</i> Raf.	424 <i>Omphemis lacustris</i> Raf.
423	<i>Oxytrema</i> Raf.	424 <i>plaioxis</i> Raf.
423	<i>Campelema</i> Raf.	424 <i>Lomastoma</i> Raf.
423	<i>crassula</i> Raf. Ohio river.	424 <i>terebrina</i> Raf.
423	<i>Omphaliscula</i> Raf.	424 <i>Eutrema</i> Raf.
423	<i>Espiphylla</i> Raf.	424 <i>terebroides</i> Raf.
424	<i>Leptoxis</i> Raf.	424 <i>Ellipstoma</i> Raf.
424	<i>Cyclemis</i> Raf.	424 <i>gibbosa</i> Raf.
424	<i>minutissima</i> Raf.	424 <i>vittata</i> Raf.
424	<i>olivacea</i> Raf.	424 <i>zonalis</i> Raf.
424	<i>Omphemis</i> Raf.	424 <i>marginata</i> Raf.

Page.		Page.	
425	<b>Odotropis</b> Raf.	425	<b>Toxotrema</b> Raf.
425	<b>Mesomphix</b> Raf.	425	<i>globularis</i> Raf.
425	<b>Triodopsis</b> Raf.	425	<i>complanata</i> Raf.
425	<b>Xolotrema</b> Raf.	425	<b>Stenotrema</b> Raf.
425	<i>lunula</i> Raf.	425	<i>convexa</i> Raf.
425	<i>triodopsis</i> Raf.	425	<b>Aplodon</b> Raf.
425	<b>Chimotrema</b> Raf.	425	<i>nodosum</i> Raf.
425	<i>planiuscula</i> Raf.		

[Descriptions of fossil univalves here follow.—W. G. B.]

Subgenera of <b>Unio</b> —		Subgenera of <b>Unio</b> —	
423	<b>Proptera</b> Raf.	426	<b>Obovaria</b> Raf.
426	<i>alata</i> Raf.	426	<i>obovalis</i> Raf.
423	<i>phaiedra</i> Raf.	426	<i>subrotunda</i> Raf.
426	<i>pallida</i> Raf.	427	<i>syntoxis</i> Raf.
426	<b>Eurynea</b> Raf.	427	<i>retusa</i> Raf.
423	<i>latissima</i> Raf.	427	<i>crassa</i> Raf.
426	<i>dilatata</i> Raf.	427	<i>torsa</i> Raf.
426	<i>solenoides</i> Raf.	427	<b>Truncilla</b> Raf.
426	<b>Elliptio</b> Raf.	427	<i>triquetra</i> Raf.
426	<b>Plagiola</b> Raf.	427	<i>truncata</i> Raf.
426	<i>verrucosa</i> Raf.	427	<b>Amblema</b> Raf.
426	<i>fasciolaris</i> Raf.	427	<i>ovalis</i> Raf.
426	<i>leptodon</i> Raf.	427	<b>Pleurorema</b> Raf.
426	<i>depressa</i> Raf.	427	<i>mytiloides</i> Raf.
426	<i>flava</i> Raf.	427	<i>conica</i> Raf.
426	<i>obliquata</i> Raf.		

[Descriptions of fossil bivalves.—W. G. B.]

428 **Noletrema patelloides** Raf. Ohio.

[Other fossil shells.]

**Girard.**—Catalogue of Recent Shells and other Mollusca found in the District of Columbia, prepared from specimens in the Cabinet of Dr. E. Foreman: by CHARLES GIRARD. (Proceedings of National Institute, Washington, vol. i, No. 2. March, 1856.)

[Bryozoa are omitted.—W. G. B.]

Page.		Page.	
79	<b>Cyclas similis</b> Say.	79	<b>Pisidium dubium</b> Say.
79	<i>rhomboidea</i> Say.	79	<i>variabile</i> Prime.
79	<i>partumeia</i> Say.	79	<b>Unio cariosus</b> Say.
79	<i>solidula</i> Prime.	79	<i>ochraceus</i> Say.

Page.		Page.	
79	<i>Unio nasutus</i> Say.	81	<i>Pupa contracta</i> Say.
79	<i>Fisherianus</i> Lea.	81	<i>pentodon</i> Binn.
79	<i>complanatus</i> Sol.	81	<i>procera</i> Gould.
79	<i>radiatus</i> Lam.	81	<i>rupicola</i> Say.
79	<i>heterodon</i> Lea.	81	<i>Vertigo milium</i> Gould.
79	<i>Alasmodonta marginata</i> Say.	81	<i>ovata</i> Say.
79	<i>undulata</i> Say.	81	<i>Carychium exiguum</i> Gould.
79	<i>Anodonta cataracta</i> Say.	81	<i>Ancylus fuscus</i> Adams.
79	<i>implicata</i> Say.	81	<i>rivularis</i> Say.
79	<i>areolata</i> Swains.	81	<i>tardus</i> Say.
80	<i>Tebennophorus Carolinensis</i> Binn.	81	<i>Lymnea columella</i> Say.
80	<i>Limax agrestis</i> Müll.	81	<i>desidiosa</i> Say.
80	<i>Helix albolabris</i> Say.	81	<i>caperata</i> Say.
80	<i>alternata</i> Say.	81	<i>macrostoma</i> Say.
80	<i>arborea</i> Say.	81	<i>modicellus</i> Say.
80	<i>chersina</i> Say.	81	<i>humilis</i> Say.
80	<i>concava</i> Say.	82	<i>Physa ancillaria</i> Say.
80	<i>electrina</i> Gould.	82	<i>elongata</i> Say.
80	<i>fraterna</i> Say.	82	<i>fragilis</i> Migh. & Ad.
80	<i>fuliginosa</i> Grif.	82	<i>heterostropha</i> Say.
80	<i>gularis</i> Say.	82	<i>Planorbis bicarinatus</i> Say.
80	<i>hirsuta</i> Say.	82	<i>deflectus</i> Say.
80	<i>inflecta</i> Say.	82	<i>exacutus</i> Gould.
80	<i>indentata</i> Say.	82	<i>hirsutus</i> Gould.
80	<i>labyrinthica</i> Say.	82	<i>parvus</i> Say.
80	<i>ligera</i> Say.	82	<i>trivolvus</i> Say.
80	<i>lineata</i> Say.	82	<i>Melania multilineata</i> Say.
80	<i>pulchella</i> Gould.	82	<i>virginica</i> Say.
80	<i>minuscula</i> Binn.	82	<i>Anculosa carinata</i> Say.
80	<i>suppressa</i> Say.	82	<i>monodonta</i> Say.
80	<i>thyroidus</i> Say.	82	<i>Paludina decisa</i> Say.
80	<i>tridentata</i> Say.	82	<i>subcarinata</i> Say.
81	<i>Succinea avara</i> Say.	82	<i>Amnicola lapidaria</i> Say.
81	<i>campestris</i> Say.	82	<i>decisa</i> Hald.
81	<i>ovalis</i> Gould.	82	<i>porata</i> Say.
81	<i>obliqua</i> Say.	82	— (n. s.)
81	<i>Bulimus fallax</i> Gould.	82	— (n. s.)
81	<i>lubricus</i> Gould.	82	<i>Valvata pupoidea</i> Gould.
81	<i>Pupa armifera</i> Say.	82	<i>tricarinata</i> Say.

**Currier.**—List of Shells collected in the Grand River (Mich.) Valley: by A. O. CURRIER.

[No date; said to have been published in 1859. No descriptions are given.—W. G. B.]

- Unio alatus** *Say.*  
*asperrimus* *Lea.*  
*crassus* *Say.*  
*cornutus* *Barnes.*  
*coccineus* *Hildreth.*  
*elegans* *Lea.*  
*ellipsis* *Lea.*  
*gibbosus* *Barnes.*  
*gracilis* *Barnes.*  
*iris* *Lea.*  
*lævissimus* *Lea.*  
*luteolus* *Lam.*  
*Novi-Eboraci* *Lea.*  
*occidens* *Lea.*  
*plicatus* *Barnes.*  
*præsinus* *Conrad.*  
*rectus* *Lam.*  
*rubiginosa* *Lea.*  
*spatulata* *Lea.*  
*subovatus* *Say.*  
*tenuisinus* *Lea.*  
*trigonus* *Lea.*  
*triangularis* *Barnes.*  
*verrucosus* *Barnes.*  
*ventricosus* *Barnes.*
- Alasmodon deltoides** *Lea.*  
*rugosa* *Barnes.*  
*marginata* *Say.*
- Anodon Benedictii** *Lea.*  
*Buchanensis* *Lea.*  
*edentula* *Say.*  
*Ferussaciana* *Lea.*  
*Footiana* *Lea.*  
*ovata* *Lea.*  
*pallida* *Anthony.*  
*Pepiniana* *Lea.*  
*plana* *Lea.*  
*Shæfforiana* *Lea.*  
*salmonia* *Lea.*
- Cyclas similis** *Say.*
- Cyclas sulcata** *Lam.*  
*striatina* *Lam.*  
*occidentalis* *Prime.*  
*partumeia* *Say.*  
*distorta* *Prime.*
- Pisidium compressum** *Prime.*  
*additum* *Hald.*  
*ventricosum* *Prime.*  
*dubium* *Say.*
- Paludina decisa** *Say.*  
 ———?  
*integra* *Say.*  
*isogona* *Say.*  
*rufa* *Hald.*
- Amnicola grana** *Say.*  
*pallida* *Hald.*  
*lapidaria* *Say.*
- Valvata tricarinata** *Say.*
- Malania neglecta** *Anthony.*  
*pulchella* *Anthony.*  
*niagerensis* *Lea.*  
*livescens* *Menka.*
- Ancylus fusca** *Adams.*  
*parallelus* *Hald.*
- Lymnea appressa** *Say.*  
*umbrosa* *Say.*  
*columella* *Say.*  
*desidiosa* *Say.*  
*modicellus?* *Gould.*  
*gracilis* *Jay.*  
*elodes* *Say.*  
*reflexa* *Hald.*  
*umbilicata* *Adams*  
*pallida* *Adams.*
- Physa Hildrethiana** *Lea.*  
*heterostropha* *Say.*  
*elongata* *Say.*  
*vinosa* *Gould.*
- Planorbis armigera** *Say.*  
*bicarينات* *Say.*

- Planorbis campanulatus** *Say.*  
*executus Say.*  
*parvus Say.*  
*trivolvus Say.*
- Helix albolabris** *Say.*  
*alternata Say.*  
*arboria Say.*  
*chersina Say.*  
*concava Say.*  
*clausa Say.*  
*electrina Say.*  
*fallax Say.*  
*fraterna Say.*  
*fuliginosa Binney.*  
*hirsuta Say.*  
*hydrophila Ingalls.*  
*indentata Say.*  
*ligera Say.*  
*labyrinthica Say.*  
*limatula Ward.*  
*lineata Say.*  
*minuscula Binney*
- Helix monodon** *Rackett.*  
*multilineata Say.*  
*palliata Say.*  
*perspectiva Say.*  
*profunda.*  
*solitaria Say.*  
*striatella Anthony.*  
*thyroides Say.*  
*tridentata Say.*
- Succinea obliqua** *Say.*  
*avara Say.*  
*ovalis Gould.*  
*vermetus Say.*
- Bulimus fallax** *Gould.*
- Pupa contracta** *Say.*  
*armifera Say.*  
*pentodon Say.*
- Carychium exiguum** *Say.*
- Vertigo simplex** *Gould.*  
*Gouldii Binney.*
- Achatina lubrica** *Müller.*

**Hildreth.**—Catalogue of Fresh-water Shells found near Marietta, Ohio: by S. P. HILDRETH.

[No date, paging, or descriptions.—W. G. B.]

- Alasmodonta complanata** *Bar.*
- Unio plicatus** *Say.*  
*ellipticus Barnes.*  
*siliquoideus Barnes.*  
*anodontoides Lea.*  
*rectus Lam.*  
*ovatus Say.*  
*alatus Say.*
- Alasmodonta rugosa** *Barnes.*
- Cyclas similis** *Say.*
- Unio heros** *Say.*  
*tuberculatus Barnes.*  
*verrucosus Barnes.*  
*pustulatus Lea.*  
*pustulosus Lea.*  
*metanevrus Raf.*  
*cornutus Barnes.*  
*rugosus Barnes.*  
*perplexus Lea.*
- Unio irroratus** *Lea.*  
*cylindricus Say.*  
*torsus Raf.*  
*pyramidatus Lea.*  
*undatus Barnes.*  
*mytiloides Raf.*  
*trigonus Lea.*  
*scalenius Raf.*  
*cuneatus Barnes.*  
*niger Raf.*  
*phaseolus Hildreth.*  
*ellipsis Lea.*  
*foliatus Hildreth.*  
*securis Lea.*  
*abruptus Say.*  
*gibbosus Barnes.*  
*elegans Lea.*  
*multiradiatus Lea.*  
*planus Barnes.*

**Unio monodontus** *Barnes.**occidens* *Lea.**gracilis* *Barnes.**lævissimus* *Lea.***Alasmodonta marginata** *Say.***Anodonta Ohioensis** *Say.**areola* *Say.**undulata* *Say.**cataracta* *Say.***Unio compressus** *Lea.**ventricosus* *Barnes.**plicatus* *Say.**siliquoideus* *Barnes.**perplexus* *Lea.**phaseolus* *Hildreth.**sulcatus* *Lea.***Unio ridibundus** *Say.**politus* *Say.**subrotundus* *Raf.**parvus* *Barnes.**zig-zag* *Lea.**triangularis* *Barnes.**dehiscens* *Say.**pileus* *Lea.**iris* *Lea.**parvus* *Barnes.**glans* *Lea.**lapillus* *Say.**calceolus* *Lea.**plicatus.**alatus.*

**Conrad.**—Observations on the Tertiary and more Recent Formations of the Southern States: by T. A. CONRAD. (From Journ. Acad. Nat. Sci. Phila., o. s., vol. vii, pt. 1. 1834.)

The following pliocene species are said to be found recent on the coast:—

Page.		Page.	
124	<b>Arca transversa.</b>	125	<b>Lucina divaricata</b> <i>Lam.</i>
124	<b>Cytherea Sayana.</b>	125	<b>Crepidula convexa</b> <i>Say.</i>
	<i>C. convexa</i> <i>Say.</i>	125	<i>glauca</i> <i>Say.</i>
124	<b>Pholas costata</b> <i>Lam.</i>	125	<i>plana</i> <i>Say.</i>
124	<b>Ostrea Virginiana</b> <i>Gmel.</i>	125	<b>Fusus cinereus</b> <i>Say.</i>
124	<b>Solen ensis</b> <i>Linn.</i>	125	<b>Nassa trivittata</b> <i>Say.</i>
124	<b>Saxicava rugosa</b> <i>Lam.</i>	125	<i>lunata</i> <i>Say.</i>
124	<b>Venus mercenaria</b> <i>Lam.</i>	125	<b>Natica duplicata</b> <i>Say.</i>
124	<b>Panopea reflexa</b> <i>Say</i> = <b>P.</b>	125	<i>heros</i> <i>Say.</i>
	<b>Faujasii?</b>	125	<b>Fulgur carica</b> <i>Say.</i>
125	<b>Mactra tellinoides</b> <i>Conr.</i>	125	<i>canaliculatus</i> <i>Say.</i>
125	<b>Pandora trilineata</b> <i>Say.</i>	125	<b>Scalaria clathrus</b> <i>Lam.</i>
125	<b>Cardita tridentata</b> <i>Say.</i>	125	<b>Vermetus lumbricalis</b> <i>Lam.</i>
125	<b>Lucina contracta</b> <i>Say.</i>	125	<b>Rangia cyrenoides.</b>
125	<i>crenulata</i> <i>Conr.</i>		<i>Clathradon cuneata.</i>

(Appendix to same.)

153	<b>Amphidesma inequale</b> <i>Say.</i>	153	<b>Corbula contracta</b> <i>Say.</i>
153	<b>Arthemis concentrica.</b>	153	<b>Oliva litterata</b> <i>Lam.</i>
153	<b>Anomia ephippium</b> <i>Linn.</i>	153	<i>zonalis</i> <i>Lam.</i>
153	<b>Cytherea gigantea</b> <i>Lam.</i>	153	<b>Pecten magellanicus.</b>
153	<b>Lutraria canaliculata</b> <i>Say.</i>	153	<b>Cerithium dislocatum.</b>
153	<b>Mactra lateralis</b> <i>Say.</i>		



**Haldeinan.**—Leptoxis: par M. STEHMAN HALDEMAN. (From Illustrations Conchyliologiques, par M. Chenu, liv. 73.)

Pa. Pl.	Fig.	Name.	Locality.
2 i	1-18	<b>Leptoxis prærosa</b> Say. <i>Anculosa prærosa</i> Say. <i>Melanopsis neritiformis</i> Desh. <i>Anculotus prærosus</i> Conrad. <i>Melania cruentata</i> Menke. <i>Cincinnatiensis</i> Lea. <i>Anculotus angulatus</i> Conrad. <i>Leptoxis retusa</i> Raf. ?	Ohio, Ind., Ky., Ten., Ala.
2 i	19-23	<b>crassa</b> Hald.	Clinch river, Tenn.
2 i	24-26	<b>incisa</b> Lea. <i>Anculosa incisa</i> Lea.	Alabama.
2 i, ii	27-34	<b>obovata</b> Say. <i>Melania obovata</i> Say. <i>Hildrethiana</i> Lea.	Ohio river.
3 ii	35-39	<b>plicata</b> Conrad. <i>Anculotus plicatus</i> Conrad. <i>Anculosa tuberculata</i> Lea.	Tenn. & Ala. rivers.
3 ii	40-58	<b>subglobosa</b> Say. <i>Melania globula</i> Lea. <i>virgata</i> Lea. <i>Anculosa gibbosa</i> Lea. <i>subglobosus</i> Conrad.	Holston river, Tenn.
3 ii, iii	59-70	<b>rubiginosa</b> Lea. <i>Anculosa rubiginosa</i> Lea. <i>Griffithiana</i> Lea.	Warrior and Coosa rivers, Ala.
3 iii	71-73	<b>tæniata</b> Conrad. <i>Anculosa tæniata</i> Conrad.	Claiborne.
3 iii	74-80	<b>picta</b> Conrad. <i>Anculosa flammata</i> Lea. <i>Foremani</i> Lea. ?	Alabama.
4 iii	81	<b>Troostiana</b> Lea. <i>Anculosa Troostiana</i> Lea.	Tennessee river.
4 iii	82	<b>pisum</b> Hald.	Tennessee river.
4 iii, iv	83-84	<b>fusca</b> Hald.	Oregon.
4	85-101	<b>dissimilis</b> Say. <i>Paludina dissimilis</i> Say. <i>Helix subcarinata</i> Wood. <i>Anculosa nigrescens</i> Conrad.	Pa., Va., &c.
4 iv	102-109	<b>variabilis</b> Lea. <i>Anculosa variabilis</i> Lea. <i>carinata</i> Lea. <i>Melania Nickliniana</i> Lea. ?	Roanoke, Va.

Pa. Pl.	Fig.	Name.	Locality.
4 iv	110	<b>Leptoxis littorina</b> Hald. <i>Anculosa littorina</i> Hald. <i>Melania pilula</i> Lea.	Holston river, Va.
4 iv	111-120	<b>dilatata</b> Conrad. <i>Melania dilatata</i> Conrad. <i>Rogersii</i> Conrad. <i>inflata</i> Lea. <i>Anculotus Kirtlandianus</i> Anth. <i>carinatus</i> Conrad.	Kanawha river; Va.
5 iv	124-133	<b>monodontoides</b> Conrad. <i>Anculosa monodontoides</i> Conrad. <i>dentatus</i> Couth.	Virginia.
5 v	134-144	<b>trilineata</b> Say. <i>Melania trilineata</i> Say. <i>Anculotus costatus</i> Anthony. <i>Melania viridis</i> Lea. <i>occidentalis</i> Lea.	Ohio river.
5 v	145-146	<b>melanoïdes</b> Conrad.	Alabama.
5 v	147-150	<b>virens</b> Lea. <i>Paludina virens</i> Lea. <i>nuclea</i> Lea?	Wahlamat.
5 v	151	<b>turgida</b> Hald.	Alabama.
5 v	152	<b>altilis</b> Lea.	Susquehanna river.
6 v	153	<b>crenata</b> Hald.	Santee canal, S. C.
6 v	154	<b>integra</b> Say. <i>Melania integra</i> Say. <i>Anculotus pumilus</i> Conrad.	Ohio river.
6 v	155	<b>isogona</b> Say. <i>Melania isogona</i> Say. <i>Paludina pallida</i> Lea. <i>Amnicola isogona</i> Lea. <i>Mudalia isogona</i> Hald.	Ohio, Ky., Ind.
6 v	156	? <b>Nuttalliana</b> Lea. <i>Paludina Nuttalliana</i> L. <i>seminalis</i> Hinds?	Wahlamat creek.

**Haldeman.**—Mollusca: by S. S. HALDEMAN. (In Rupp's History of Lancaster County, p. 479. Lancaster, Pa., 1844.)

Page.		Page.	
479	<b>Melania virginica.</b>	480	<b>Amnicola limosa.</b>
479	<b>Anculosa dissimilis.</b>	480	<b>lustrica.</b>
480	<b>Paludina decisa.</b>	480	<b>granum.</b>
480	—	480	<b>Valvata tricarinata.</b>

Page.		Page.	
480	<b>Physa heterostropha.</b>	482	<b>Helix fuliginosa.</b>
480	<b>Limnea palustris.</b>	482	<i>hirsuta.</i>
	<i>L. elodes.</i>	482	<i>pulchella.</i>
480	<i>desidiosa.</i>	482	<i>indentata.</i>
480	<i>caperata.</i>	482	<i>electrina.</i>
480	<i>humilis.</i>	482	<i>labyrinthica.</i>
481	<b>Planorbis bicarinatus.</b>	482	<b>Succinea obliqua.</b>
481	<i>parvus.</i>	482	<b>Unio cariosus.</b>
481	<b>Ancylus rivularis.</b>	482	<i>radiatus.</i>
481	<b>Helix albolabris.</b>	482	<i>complanatus.</i>
481	<i>thyroides.</i>	482	<i>viridis.</i>
481	<i>tridentata.</i>	482	<b>Alasmodon undulatus.</b>
481	<i>concava.</i>	482	<i>marginatus.</i>
481	<i>alternata.</i>	482	<b>Anodon cataractus.</b>
481	<i>hirsuta.</i>	482	<i>undulatus.</i>
482	<i>palliata.</i>		

**Taylor.**—Notice of occurrence of Green-gilled Oysters: by W. J. TAYLOR. (From Amer. Journ. Sci., n. s., vol. xxv, p. 294. March, 1858.)

**Gould.**—Catalogue of Maine Shells: by Dr. A. A. GOULD. (In First Report on the Geology of the State of Maine, by Charles F. Jackson, M. D., p. 119. Augusta, 1837.)

Page.		Page.	
119	<b>Solen ensis</b> <i>L.</i>	119	<b>Alasmodonta margaritifera</b>
119	<b>Solecurtus costatus</b> <i>Say.</i>	119	<i>undulata</i> <i>Say.</i> [ <i>Gmel.</i>
119	<b>Glycimeris siliqua</b> <i>Lam.</i>	119	<b>Anodonta marginata</b> <i>Say.</i>
119	<b>Mya mercenaria</b> <i>Linn.</i>	119	<b>Modiola papuana</b> <i>Lam.</i>
119	<i>truncata.</i>	119	<i>plicatula</i> <i>Lam.</i>
119	<i>hyalina</i> <i>Conr.</i>	119	<b>Mytilus edulis</b> <i>Linn.</i>
119	<b>Anatina Leana</b> <i>Conr.</i>	119	<i>pellucidus</i> <i>Penn.</i>
119	<b>Mactra gigantea</b> <i>Lam.</i>	119	<b>Pecten Magellanicus</b> <i>Lam.</i>
119	<b>Solemya velum</b> <i>Say.</i>	119	<i>Islandicus</i> <i>Lam.</i>
119	<b>Saxicava distorta</b> <i>Say.</i>	119	<b>Oetrea Canadensis</b> <i>Lam.</i>
119	<b>Sanguinolaria fusca</b> <i>Conr.</i>	119	<b>Anomia ephippium.</b>
119	<b>Crassina Danmoniensis</b>	119	<b>Terebratula</b> ———.
	<i>Astarte castanea</i> <i>Say.</i> [ <i>Lam.</i>	119	<b>Chiton</b> ———.
119	<b>Cyprina Islandica</b> <i>Lam.</i>	119	<b>Patella amœna</b> <i>Say.</i>
119	<b>Cardium Icelandicum.</b>	119	<b>Crepidula fornicata</b> <i>Say.</i>
119	<i>Grœnlandicum.</i>	119	<i>plana</i> <i>Say.</i>
119	<b>Unio complanatus</b> <i>Sol.</i>	119	<b>Helix albolabris</b> <i>Say.</i>

Page.		Page.	
119	<i>Helix thyroidus</i> Say.	119	<i>Turbo palliatus</i> Say.
119	<i>alternata</i> Say.	119	<i>vestitus</i> Say.
119	<i>Planorbis trivolvis</i> Say.	119	<i>Fusus corneus</i> Say.
119	<i>campanulatus</i> Say.	119	<i>decemcostatus</i> Say.
119	<i>Physa heterostropha</i> Say.	119	<i>Islandicus</i> Martini.
119	<i>Lymnæa columella</i> Say.	119	<i>Purpura lapillus</i> Lam.
119	<i>Paludina decisa</i> Say.	119	<i>Buccinum undatum</i> Linn.
119	<i>Natica heros</i> Say.	119	<i>Nassa obsoleta</i> Say.
119	<i>triseriata</i> Say.	119	<i>trivittata</i> Say.

**Pourtales.**—Notes on Specimens of the Bottom of the Ocean brought up in recent Explorations of the Gulf Stream, in connection with the Coast Survey: by L. F. POURTALES, Assistant. (From Proc. Amer. Assoc. Advanc. Sci., for 1853, page 181. Cambridge, 1856.)

Page.	Name.	Locality.
183	<i>Spirialis</i> Gouldii.	Lat. 30° 50'; long. 78° 49'.

[This is the only specific name of Mollusca given.—W. G. B.]

**Thomas.**—Indications of Weather as shown in Animals and Plants: by W. H. B. THOMAS, of Philadelphia. (From same as last, p. 119.) Notes on—

Page.		Page.	
120	<i>Helix alternata</i> .	120	<i>Helix thyroidus</i> .
120	<i>arborea</i> .	121	<i>solitaria</i> .
120	<i>indentata</i> .	121	<i>zaleta</i> .
120	<i>Ruderati</i> .	121	<i>albolabris</i> .
120	<i>minuta</i> .	121	<i>thyroidus</i> .
120	<i>clausa</i> .	121	<i>appressa</i> .
120	<i>ligerà</i> .	121	<i>tridentata</i> .
120	<i>Pennsylvanica</i> .	121	<i>fallax</i> .
120	<i>elevata</i> .	121	<i>psiliata</i> .
120	<i>solitaria</i> .	121	<i>hirsuta</i> .
120	<i>zaleta</i> .		

**Dr. J. P. Kirtland.**—(Silliman's Journal, o. s., vol. xxxi, No. 1, p. 200. January, 1837.) Notes on—

Page.		Page.	
200	<i>Helix fuliginosa</i> .	200	<i>Helix glaphyra</i> .

**Conrad.**—Descriptions of fifteen new species of Recent, and three of Fossil Shells, chiefly from the Coast of the United States: by TIMOTHY A. CONRAD, Member &c. (From Journ. Acad. Nat. Sci. of Philadelphia, vol. vi, p. 256. March, 1831.)

Page.	Pl.	Fig.	Name.	Locality.
257			<b>Mactra solidissima</b> Chemn. <i>M. solida</i> (var. $\beta$ ) Gmelin. <i>procera</i> Solander. <i>grandis</i> Solander. <i>stultorum</i> Solander. <i>gigantea</i> Lam. <i>similis</i> Say.	
257	xi	1	<b>arctata</b> Conrad.	Mass. to Florida.
258	xi	2-3	<b>tellinoides</b> Conrad.	Northern coast.
258	xi	4	<b>nucleus</b> Conrad.	New Jersey.
258			<b>Cardium laqueatum</b> Conr. (fossil).	Maryland.
259	xi	5-7	<b>Mortoni</b> Conrad.	Northern coast.
260	xi	8	<b>pinnulatum</b> Conrad.	Massachusetts.
260			<b>Pecten Pealeii</b> Conrad.	Maine.
261	xi	12	<b>Mya hyalina</b> Conrad.	Northern coast.
261			<b>Cytherea convexa</b> Say.	Rhode Island.
263	xi	11	<b>Anatina Leana</b> Conrad.	Northern coast.
263	xi	13	<b>Mytilus leucophæatus</b> Conrad.	Southern coast.
264			<b>Arca maxillata</b> Conrad (fossil).	Maryland.
264	xi	14-15	<b>Venus alveata</b> Conrad. <i>V. paphia</i> Linn.	Maryland.
265			<b>Pecten Magellanicus.</b>	Maine.
266	xi	17-18	<b>Velutina rupicola</b> Conrad.	Massachusetts.
266	xi	19	<b>Lacuna pertusa</b> Conrad.	Massachusetts.
267	xi	20	<b>Patella alveus</b> Conrad.	Massachusetts.

**Conrad, Case, &c.**—In the new series of the American Journal of Science and Art, occur the following:—

Vol.	Page.	Name.	Locality.
May,	1846.	<b>Conrad.</b> —Catalogue of Recent Shells found also in the Miocene: by T. A. CONRAD. [No descriptions.]	
i	404	<b>Artemis acetabulum</b> Conrad.	Florida.
i	404	<b>elegans</b> Conrad.	Florida.
i	404	<b>Astarte lunulata</b> Conrad.	Charleston.
i	404	<b>Arca improcera</b> Conrad.	Southern coast.
i	404	<b>Anomia ephippium</b> Linn.	
i	404	<b>Amphidesma æquale</b> Say.	Southern coast.

[American Journal of Science—continued.]

Vol.	Page.	Name.	Locality.
i	404	<i>Cardita tridentata</i> Say.	Southern coast.
i	404	<i>granulata</i> Say.	Southern coast.
i	404	<i>Chama arcinella</i> Lam.	Southern coast.
i	404	<i>Cumingia tellinoides</i> Conrad.	Southern coast & Mass.
i	404	<i>Cultellus Carribæus</i> .	S'n coast, Mass., N. J.
i	404	<i>Cytherea elevata</i> Conrad.	Gulf of Mexico.
i	404	<i>Sayana</i> Conrad.	Rh. Island, Mass., N. J.
i	404	<i>Lucina crenulata</i> Conrad.	Cape Henry, Va.
i	404	<i>divaricata</i> Lam.	Atlantic coast.
i	404	<i>trisulcata</i> Conrad.	Florida.
i	404	<i>radula</i> Lam.	Rhode Island & Mass.
i	404	<i>squamosa</i> Lam.	Southern coast.
i	404	<i>Mactra lateralis</i> Say.	Atlantic coast.
i	404	<i>Nucula acuta</i> Say.	
i	404	<i>proxima</i> Say.	Atlantic coast.
i	404	<i>limatula</i> Say.	Massachusetts.
i	404	<i>acuta</i> Conrad.	Gulf of Mexico.
i	404	<i>Pecten concentricus</i> Say.	Atlantic coast.
i	404	<i>Tellina lusoria</i> Say.	Southern coast.
i	404	<i>Venus lanceata</i> Say.	Southern coast.
i	404	<i>mercenaria</i> L.	Atlantic coast.
i	404	<i>metastriata</i> Say.	Florida.
i	405	<i>Cerithium clavulus</i> H. C. Lea.	Tampa Bay.
i	405	<i>dislocatum</i> Say.	Southern coast.
i	405	<i>Dentalium coarctatum</i> Lam.	Gulf of Mexico.
i	405	<i>Crepidula unguiformis</i> .	Atlantic coast.
i	405	<i>fornicata</i> Lam.?	Atlantic coast.
i	405	<i>convexa</i> Say?	Atlantic coast.
i	405	<i>Fulgur carica</i> ?	Southern coast.
i	405	<i>canaliculatus</i> .	Atlantic coast.
i	405	<i>Natica heros</i> Say.	Atlantic coast.
i	405	<i>duplicata</i> Say.	Atlantic coast.
i	405	<i>canrena</i> Lam.	Florida.
i	405	<i>Nassa trivittata</i> Say.	Atlantic coast.
i	405	<i>obsoleta</i> Say.	Atlantic coast.
i	405	<i>lunata</i> Say.	Atlantic coast.
i	405	<i>Oliva litterata</i> Lam.	Florida.
i	405	<i>zonalis</i> Lam.	Florida.
<b>Conrad.</b> —Notices of Fresh-water Shells, &c., of Rock-bridge County, Va.: by T. A. CONRAD.			
i	407	<i>Unio collinus</i> Conrad.	
i	407	<i>purpureus</i> Say.	
i	407	<i>constrictus</i> Conrad.	
i	407	<i>subplanus</i> Conrad.	
i	407	<i>lanceolatus</i> Lea.	
i	407	<i>Alasmodonta undulata</i> Say.	
i	407	<i>marginata</i> Say.	
i	407	<i>Anodon cataracta</i> Say.	
i	407	<i>marginata</i> Say?	
i	407	<i>Planorbis parvus</i> Say.	
i	407	<i>Ancylus rivularis</i> Say.	
i	407	<i>Paludina decisa</i> Say.	
i	407	<i>Anculosa dilatata</i> Conrad.	
i	407	<i>Melania virginica</i> Say.	

[American Journal of Science—continued.]

Vol.	Page.	Name.	Locality.
Nov.	1846.	<b>Conrad.</b> —Observations on the Geology of a part of East Florida, with a Catalogue of Recent Shells of the Coast: by T. A. CONRAD.	
ii	36		
ii	38	<i>Unio Blandingianus</i> Lea = <b>Carolinensis</b> Bosc.	Savannah river.
ii	38	<b>subinflatus</b> Conrad.	Savannah river.
ii	38	<b>Shepardianus</b> Lea.	Savannah river.
ii	39	<b>Ostrea Virginiana.</b>	Near mouth St. John's r.
ii	39	<b>Mytilus edulis.</b>	Near mouth St. John's r.
ii	39	<b>cubitus</b> Say.	Near mouth St. John's r.
ii	39	<b>Tellina lateralis</b> Say.	Near mouth St. John's r.
ii	39	<b>Amphidesma equalis</b> Say.	Near mouth St. John's r.
ii	39	<b>Mactra lateralis</b> Say.	Near mouth St. John's r.
ii	39	<b>Solecortus caribæus.</b>	Near mouth St. John's r.
ii	39	<b>Arca pexata</b> Say.	Near mouth St. John's r.
ii	39	<b>incongrua</b> Say.	Near mouth St. John's r.
ii	39	<b>ponderosa</b> Say.	Near mouth St. John's r.
ii	39	<b>Donax variabilis</b> Say.	Near mouth St. John's r.
ii	39	<b>Cardium magnum.</b>	Near mouth St. John's r.
ii	39	<b>Lucina divaricata.</b>	Near mouth St. John's r.
ii	39	<b>Petricola dactylus.</b>	Near mouth St. John's r.
ii	39	<b>Ranella caudata</b> Say.	Near mouth St. John's r.
ii	39	<b>Cryptostoma perspectiva</b> Say.	Near mouth St. John's r.
ii	39	<b>Crepidula plana</b> Say.	Near mouth St. John's r.
ii	39	<b>Littorina irrorata</b> Say.	Near mouth St. John's r.
ii	39	<b>Oliva litterata.</b>	Near mouth St. John's r.
ii	39	<b>Fulgur carica.</b>	Near mouth St. John's r.
ii	39	<b>canaliculata.</b>	Near mouth St. John's r.
ii	39	<b>Natica duplicata?</b>	Near mouth St. John's r.
		All the above, except <b>Fulgur carica</b> and <b>Solecortus caribæus</b> , I subsequently found at Tampa bay.	
ii	39	<b>Tellina radiata.</b>	Fort Lauderdale.
ii	39	<b>Polygyra plicata</b> Say.	Key Biscayne.
ii	39	<b>Nerita peleronta.</b>	Indian Key.
ii	39	<b>tessellata.</b>	Indian Key.
ii	39	<b>versicolor.</b>	Indian Key.
ii	39	<b>pica.</b>	Indian Key.
ii	39	<b>Littorina muricata.</b>	Indian Key.
ii	40	<b>Succinea avara</b> Say.	Island near Indian Key.
ii	40	<b>Polygyra plicata.</b>	Island near Indian Key.
ii	40	<b>septemvolva.</b>	Island near Indian Key.
ii	40	<b>Achatina fasciata.</b>	Island near Indian Key.
ii	40	<b>Spirula Peronii.</b>	Island near Indian Key.
ii	40	<b>Ianthina fragilis.</b>	Island near Indian Key.
ii	40	<b>Carditomeria Floridana.</b>	Island near Indian Key.
ii	40	<b>Fasciolaria tulipa.</b>	Key West.
ii	40	<b>Nerita peleronta.</b>	Key West.
ii	40	<b>Fusus corona.</b>	Key West.
ii	41	<b>Strombus gigas.</b>	Key West.
ii	41	<b>Ninus cancellata</b> Lam.	Mullet Key.
ii	41	<b>Chama arcinella.</b>	Mullet Key.
ii	41	<b>Strombus pugillus.</b>	Mullet Key.
ii	41	<b>Natica canrena.</b>	Egmont Key.
ii	41	<b>Pecten dislocatus.</b>	Egmont Key.

[American Journal of Science—continued.]

Vol.	Page.	Name.	Locality.
ii	42	<i>Modiola demissa.</i>	Tampa bay.
ii	42	<i>Cardium Mortoni.</i>	Tampa bay.
ii	42	<i>Osteodesma hyalina.</i>	Tampa bay.
ii	42	<i>Pecten concentricus.</i>	Tampa bay.
ii	42	<i>Anomia ephippium.</i>	Tampa bay.
ii	42	<i>Marginella conoidalis.</i>	Tampa bay.
ii	42	<i>Nassa vibex Say.</i>	Tampa bay.
ii	42	<i>Murex corona Linn.</i>	Tampa bay.
ii	42	<i>Fasciolaria trapezium.</i>	Tampa bay.
ii	42	<i>Fulgur perversus.</i>	Tampa bay.
ii	42	<i>pyrum.</i>	Tampa bay.
ii	42	<i>Venus Mortoni.</i>	Tampa bay.
ii	42	<i>Littorina angulifera.</i>	Tampa bay.
ii	45	<i>Neretina reclivata.</i>	Tampa bay.

Nov. 1846. **Conrad.**—Catalogue of Florida Shells, Tampa Bay, &c.:  
by T. A. CONRAD.

Vol.	Pa.	Name.	Vol.	Pa.	Name.
ii	393	<i>Amphidesma variegata</i>	ii	394	<i>Lucina squamosa Lam.</i>
ii	393	<i>radiata Say. [Lam.</i>	ii	394	<i>tigrina Lam.</i>
ii	393	<i>orbiculata Say.</i>	ii	394	<i>Floridana Conr.</i>
ii	393	<i>æqualis Say.</i>	ii	394	<i>edentula Lam.</i>
ii	393	<i>zebra.</i>	ii	394	<i>trisulcata Conr.</i>
ii	393	<i>Artemis elegans Conr.</i>	ii	394	<i>Mactra ovalis?</i>
ii	393	<i>concentrica Lam.</i>	ii	394	<i>lateralis Say.</i>
ii	393	<i>Anomia ephippium Lin.</i>	ii	394	<i>fragilis Lam.</i>
ii	393	<i>Arca scapha?</i>	ii	394	<i>Modiola demissa Dillw.</i>
ii	393	<i>incongrua Say.</i>	ii	394	<i>lateralis Say.</i>
ii	393	<i>ponderosa Say.</i>	ii	394	<i>papyria Conr.</i>
ii	393	<i>Avicula ———.</i>	ii	394	<i>Americana.</i>
ii	393	<i>Astarte lunulata Conr.</i>			<i>M. tulipa Lam.</i>
ii	393	<i>flabella.</i>	ii	394	<i>Mytilus hamatus Say.</i>
ii	393	<i>Cardium citrinum Wood.</i>	ii	394	<i>cubitus Say.</i>
ii	393	<i>isocardia Lam.</i>	ii	394	<i>Meleagrina ———.</i>
ii	393	<i>magnum Born.</i>	ii	394	<i>Nucula acuta Conr.</i>
ii	393	<i>bullatum Lam.</i>	ii	394	<i>eborea Conr.</i>
ii	393	<i>Mortoni Conr. [Con.</i>	ii	395	<i>Ostrea Virginiana Gmel.</i>
ii	393	<i>Carditamera Floridana</i>	ii	395	<i>Osteodesma hyalina C.</i>
		<i>Cypricardia nodulosa</i>	ii	395	<i>Periploma inequalvis</i>
		<i>Mighels.</i>			<i>Lam.</i>
ii	394	<i>Cardita tridentata Say.</i>	ii	395	<i>Pecten concentricus S.</i>
ii	394	<i>Chama arcinella Lam.</i>	ii	395	<i>dislocatus Say.</i>
ii	394	<i>Cytherea gigantea Lam.</i>	ii	395	<i>Pinna ———.</i>
ii	394	<i>maculata Lam.</i>	ii	395	<i>Floridana Conr.</i>
ii	394	<i>Corbula limatula Conr.</i>	ii	395	<i>Plicatula ramosa Lam.</i>
ii	394	<i>Cyrena Carolinensis</i>	ii	395	<i>Solen ensis Linn.</i>
		<i>Bosc.</i>	ii	395	<i>Solecortus fragilis Van.</i>
ii	394	<i>Floridana Conr.</i>	ii	395	<i>Tellina punicea Linn.</i>
ii	394	<i>Donax variabilis Say.</i>	ii	395	<i>acuta Wood.</i>
ii	394	<i>———.</i>	ii	395	<i>lateralis Say.</i>
ii	394	<i>———.</i>	ii	395	<i>———.</i>
ii	394	<i>Lucina nassula Conr.</i>	ii	395	<i>———.</i>
ii	394	<i>cribaria Say.</i>	ii	395	<i>Venus cancellata Lam.</i>
ii	394	<i>Pennsylvanica Lam.</i>	ii	395	<i>punctulata Val.</i>



[American Journal of Science—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
ii	395	<b>Venus Mortonii</b> <i>Conr.</i>	ii	397	<b>Murex Tampaensis</b> <i>Conr.</i>
ii	395	<b>cuneimeris</b> <i>Conr.</i>	ii	397	<b>Marginella conoidalis</b>
ii	396	<b>Actæon Floridanus</b> <i>C.</i>			<i>Kiener.</i>
ii	396	<b>Bulla succinea</b> <i>Conr.</i>	ii	397	<b>succinea</b> <i>Conr.</i>
ii	396	—	ii	397	<b>albilabris</b> <i>Conr.</i>
ii	396	<b>Bullina canaliculata</b> <i>S.</i>	ii	397	<b>Monodonta</b> —
ii	396	<b>Cancellaria cancellata</b>	ii	397	<b>Melampus bidentatus</b>
		<i>Lam.</i>			<i>Say.</i>
ii	396	<b>Cerithium protextum</b> <i>C.</i>	ii	397	<b>Melongena (Fusus) co-</b>
ii	396	<b>septemstriatum</b> <i>S.</i>			<b>rona</b> <i>Lam.</i>
ii	396	<b>erienne</b> <i>Kiener.</i>	ii	397	<b>Natica duplicata</b> <i>Say?</i>
		<i>C. nigrescens</i> <i>Mke.?</i>	ii	397	<b>canrena</b> <i>Lam.</i>
ii	396	<b>dislocatum</b> <i>Say.</i>	ii	397	<b>Neritina (Theodoxus)</b>
ii	396	—			<b>reclivata</b> <i>Say.</i>
ii	396	—	ii	397	<b>Oliva litterata</b> <i>Lam.</i>
		[ <i>Lam.</i> ]	ii	397	<b>mutica</b> <i>Lam.</i>
ii	396	<b>Crepidula fornicata</b>	ii	398	<b>Ovulum aciculare</b> <i>Lam.</i>
ii	396	<b>maculosa</b> <i>Conr.</i>	ii	398	<b>Patella</b> —
ii	396	<b>aculeata</b> <i>Lam.</i>	ii	398	<b>Pleurotoma</b> —
ii	396	<b>unguiformis</b> <i>Lam.</i>	ii	398	—
		<i>C. plana</i> <i>Say.</i>	ii	398	<b>Pollia tinctoria</b> <i>Conr.</i>
ii	396	<b>Cypræa pediculus.</b>	ii	398	<b>cancellaria</b> <i>Conr.</i>
ii	396	<b>Cassis sulcosa</b> <i>Lam.</i>	ii	398	<b>Fyrula papyraria</b> <i>Say</i>
ii	396	<b>Columbella avara</b> <i>Say.</i>			( <i>Ficus</i> ).
ii	396	—	ii	398	<b>Pyramidella alveata</b> <i>C.</i>
ii	396	<b>Conus</b> —	ii	398	<b>Pirena scalariformis</b> <i>S.</i>
		[ <i>Conr.</i> ]	ii	398	<b>Ranella caudata</b> <i>Say.</i>
ii	396	<b>Dentalium eboreum</b>	ii	398	<b>Strombus pugilus.</b>
ii	396	<b>coarctatum</b> <i>Lam.</i>	ii	398	<b>Scalaria</b> —
		<i>D. gadus</i> <i>Sowb.</i>	ii	398	<b>Triton lineolatum</b> <i>Conr.</i>
ii	396	<b>Fulgur perversus</b> <i>Lam.</i>	ii	398	<b>Turbo castaneus.</b>
ii	396	<b>pyruloides</b> <i>Say.</i>	ii	398	<b>Trochus Tampaensis</b> <i>C.</i>
ii	397	<b>Fasciolaria trapezium</b>	ii	398	<b>Voluta Junonia.</b>
		<i>Lam.</i>	ii	398	<b>Vermetus lumbricalis.</b>
ii	397	<b>dislocatus</b> <i>Lam.</i>	ii	398	<b>Pholas costata.</b>
ii	397	<b>tulipa</b> <i>Lam.</i>	ii	398	<b>Teredo navalis.</b>
ii	397	<b>Fusus ferrugatus</b> <i>Conr.</i>	ii	398	<b>Polygyra plicata.</b>
		( <i>Manatee R.</i> ) ( <i>descr.</i> )	ii	398	<b>septemvolva.</b>
ii	397	<b>Fissurella</b> —	ii	398	<b>Glandina truncata.</b>
ii	397	<b>Littorina littorea</b> <i>Say.</i>	ii	398	<b>Pupa</b> —
ii	397	( <i>Phasianella</i> ) <b>angu-</b>	ii	398	<b>Achatina fasciata.</b>
		<b>liferia</b> <i>Lam.</i>	ii	398	<b>Succinea campestris.</b>
ii	397	<b>Murex ostrearum</b> <i>Conr.</i>			
ii	397	<b>cellulosa</b> <i>Conr.</i>			

Jan. 1847.

**William Case.**

Vol.	Page.	Fig.	Name.	Locality.
iii	101	1-3	<b>Helix annulata</b> <i>Case.</i>	Lake Superior.
iii	101	4, 5	<b>Planorbis multivolvis</b> <i>Case.</i>	Michigan.
Mar.	1847.		<b>Gould.</b> —Note on the above descriptions of Case: by Dr. A. A. GOULD.	
iii	276		<i>Helix annulata</i> <i>Case</i> = <i>H. striatella</i> <i>junior.</i>	

[American Journal of Science—continued.]

Vol.	Page.	Fig.	Name.	Locality.			
Sept.	1848.		<b>A. A. Gould.</b> —Descriptions of Connecticut Shells collected and named by the late Rev. J. H. LINDSLEY.				
vi	233	1, 2	<b>Astarte mactracea</b> Gould.	Connecticut.			
vi	233		<b>Cytherea morrhuana</b> Linsley = <b>C. convexa</b> Say.				
vi	233		<b>Unio Pequottinus</b> Lins. = <b>U. latus</b> Raf. ( <i>U. rectus</i> Say).				
vi	234	3	<b>Cyclas truncata</b> Linsley.	Connecticut.			
vi	234	4, 5	<b>Anodonta Housatonica</b> Linsley.	Connecticut.			
vi	235	6	<b>Pecten fuscus</b> Linsley.	Connecticut.			
vi	236		<b>Helix Trumbulli</b> = <b>Skenea serpuloides</b> .	Connecticut.			
vi	236	7	<b>Fusus Trumbulli</b> Linsley.	Connecticut.			
vi	236	8	<b>Buccinum zonale</b> Linsley.	Connecticut.			
Mar.	1856.		<b>T. A. Conrad.</b>				
xxi	172		<b>Unio diversus</b> Conr. (fig.)	Shoal creek, N. Ala. Phœnixville, Pa., & Trenton.			
xxi	172		<b>viridis</b> Raf.				
Jan.	1858		<b>Stimpson.</b> —Criticism on the Mollusca of Rink's "Greenland;" by WILLIAM STIMPSON. [No descriptions, but many critical remarks.—W. G. B.]				
xxv	125		<b>Tellina tenera</b> Say; if preoc., may be called— <i>T. agilis</i> Stimpson.				
March,	1859.		<b>Smith.</b> —Depth of Mollusca of Peconic and Gardiner's Bays, Long Island, N. Y.: by SANDERSON SMITH.				
Vol.	Pa.		Name.	Vol.	Pa.		Name.
xxvii	281		<b>Loligo illecebrosa.</b>	xxvii	282		<b>Chemnitzia interrupta.</b>
xxvii	281		<b>Ranella caudata.</b>	xxvii	282		<b>Scalaria clathrus.</b>
xxvii	281		<b>Pyrula canaliculata.</b>	xxvii	282		<b>lineata.</b>
xxvii	281		<b>carica.</b>	xxvii	282		<b>Cerithium Sayii.</b>
xxvii	281		<b>Buccinum plicosum.</b>	xxvii	282		<b>nigrocinctum.</b>
xxvii	281		<b>Nassa obsoleta.</b>	xxvii	282		<b>Greenii.</b> [sonii.
xxvii	281		<b>trivittata.</b>	xxvii	282		<b>Cerithiopsis Emer-</b>
xxvii	281		<b>Columbella avara.</b>	xxvii	282		<b>terebellum.</b>
xxvii	281		<b>Gouldiana.</b>	xxvii	282		<b>Cæcum pulchellum.</b>
xxvii	281		<b>lunata.</b>	xxvii	282		<b>Vermetus radícula.</b>
xxvii	281		<b>Pleurotoma cerinum.</b>	xxvii	282		<b>Littorina radis.</b>
xxvii	281		<b>plicatum.</b>	xxvii	282		<b>littoralis.</b>
xxvii	281		<b>Natica heros.</b>	xxvii	282		<b>Lacuna vincta.</b>
xxvii	281		<b>duplicata.</b>	xxvii	282		<b>fusca.</b>
xxvii	281		<b>triseriata.</b>	xxvii	282		<b>Rissoa minuta.</b>
xxvii	281		<b>pusilla.</b>	xxvii	282		<b>Skenea (n. s.)</b>
xxvii	282		<b>immaculata.</b>	xxvii	282		<b>Calyptrea striata.</b>
xxvii	282		<b>Eulima subangulata.</b>	xxvii	282		<b>Crepidula fornicata.</b>
xxvii	282		<b>Chemnitzia producta.</b>	xxvii	282		<b>convexa.</b>
xxvii	282		<b>fusca.</b>	xxvii	282		<b>unguiformis.</b>
xxvii	282		<b>seminuda.</b>	xxvii	282		<b>Tectura testudinalis.</b>
xxvii	282		<b>trifida.</b>	xxvii	282		<b>Chiton apiculatus.</b>
xxvii	282		<b>bisuturalis.</b>	xxvii	282		<b>Melampus corneus.</b>

[American Journal of Science—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
xxvii	282	<i>Actæon punctostria-</i>	xxvii	283	<i>Venus mercenaria.</i>
xxvii	282	<i>Bulla solitaria.</i> [tus.	xxvii	283	<i>Cytherea convexa.</i>
xxvii	282	<i>canaliculata.</i>	xxvii	283	<i>Venus gemma.</i>
xxvii	282	<i>Æolis</i> (n. s. ?)	xxvii	283	<i>Petricola dactylus.</i>
xxvii	282	<i>Ostræa borealis.</i>	xxvii	283	<i>pholadiformis.</i>
xxvii	282	<i>Anomia ephippium.</i>	xxvii	283	<i>Mactra lateralis.</i>
xxvii	282	var. <i>electrica.</i>	xxvii	283	<i>solidissima.</i>
xxvii	282	var. <i>squamula.</i>	xxvii	283	<i>Kellia planulata.</i>
xxvii	282	<i>aculeata.</i>	xxvii	283	<i>Montacuta elevata.</i>
xxvii	282	<i>Pecten irradians.</i>	xxvii	283	<i>Tellina agilis</i> (St.)
xxvii	282	<i>Mytilus edulis.</i>	xxvii	283	<i>tenta.</i>
xxvii	282	<i>modiolus.</i>	xxvii	283	<i>fusca.</i>
xxvii	282	<i>plicatulus.</i>	xxvii	283	<i>Cumingia tellinoides</i>
xxvii	282	<i>Arca transversa.</i>	xxvii	283	<i>Solen ensis.</i>
xxvii	282	<i>pexata.</i>	xxvii	283	<i>Solecurtus bidens.</i>
xxvii	282	<i>Nucula proxima.</i>	xxvii	283	<i>Mya arenaria.</i>
xxvii	282	<i>Leda limatula.</i>	xxvii	283	<i>Corbula contracta.</i>
xxvii	282	<i>sapotilla.</i>	xxvii	283	<i>Anatina papyracea.</i>
xxvii	282	<i>Solemya velum.</i>	xxvii	283	<i>Cochlodesma leanum.</i>
xxvii	283	<i>borealis.</i>	xxvii	283	<i>Lyonsia hyalina.</i>
xxvii	283	<i>Cardium Mortoni.</i>	xxvii	283	<i>Thracia Conradi.</i>
xxvii	283	<i>pinnulatum.</i>	xxvii	283	<i>Pandora trilineata.</i>
xxvii	283	<i>Astarte mactracea.</i>	xxvii	283	<i>Saxicava distorta.</i>

**Storer, Binney, &c.**—In the Boston Journal of Natural History occur the following:—

Vol.	No.	Pa.	Plate.	Fig.	Name.	Locality.
May,	1837				<b>Storer.</b> —Description of a new species of <i>Marginella</i> : by D. HUMPHREYS STORER, M. D.	
i	4	465	x	2	<i>Marginella carnea</i> Storer.	[Key West.
i	4	466			<b>Binney.</b> —A Monograph of the Helices inhabiting the United States: by AMOS BINNEY, M. D.	
					[This paper was also published in pamphlet form.—W. G. B.]	
i	4	473	xii		<b>Helix major</b> Binney.	[For locality, vide
i	4	475	xiii		<i>H. albolabris</i> var. <i>maxima</i>	quotations from
i	4	480	xiv		<i>albolabris</i> Say. [Fer.	"Terrestrial Mol-
i	4	482	xv		<i>multilineata</i> Say.	lusks."]
i	4	483	xvi		<i>clausa</i> Say.	
i	4	485	xvii		<i>Pennsylvanica</i> Green.	
i	4	488	xviii		<i>subglobosa</i> Binney.	
					<i>thyroidus</i> Say.	
					<i>Mesodon leucodon</i> Raf.	
i	4	490	xix		<i>elevata</i> Say.	
					<i>H. Knoxvilleana</i> Fer.	
					<i>Mesodon helicinum</i> Raf.	

[Boston Journal of Natural History—continued.]

Vol.	No.	Pa.	Plate.	Fig.	Name.	Locality.
i	4	492	xx		<b>Helix zaleta</b> Say. <i>H. albolabris</i> var. <i>unidentata</i> Fer.	
i	4	494	xxi		<b>dentifera</b> Binney.	
Febr.	1838				<b>Couthouy.</b> —Descriptions of new species of Mollusca and Shells, and Remarks on several Polypi found in Massachusetts Bay: by JOSEPH P. COUTHOUY.	
ii	1	53				
ii	1	59	iii	2	<b>Tellina sordida</b> Couth.	
ii	1	61	iii	6	<b>Cardium pubescens</b> Couth.	
ii	1	62	iii	7	<b>Nucula myalis</b> Couth.	
ii	1	64	iii	8	<i>tenuisulcata</i> Couth.	
ii	1	65			<b>Terebratula septentrionalis</b> Couth.	
ii	1	67	i	1	<b>Eolis Bostoniensis</b> Couth.	
ii	1	68	i	2	( <i>Cavolina</i> ) <b>salmonacea</b> Couth.	
ii	1	69	i	3	( <i>Tergipes</i> ) <b>gymnota</b> Couth.	
ii	1	74	ii	1-4	<b>Tritonia Reynoldsii</b> Couth.	
ii	1	80			<b>Chiton fulminatus</b> Couth.	
ii	1	82			<i>sagrinatus</i> Couth.	
ii	1	83	iii	10	<b>Emersonii</b> Couth.	
ii	1	86			<b>Patella candida</b> Couth.	
ii	1	87			<b>Rimula Noachina</b> Linn. <i>Patella Noachina</i> Linn. <i>apertura</i> Mont. <i>fissurella</i> Gmelin. <i>Fissurella Noachina</i> Lyell. <i>Sipho radiata</i> Brown.	
ii	1	88	ii	8	<b>Bulla triticea</b> Couth.	
ii	1	89			<b>Natica consolidata</b> Couth.	
ii	1	90			<b>Oxynoë ? glabra</b> Couth.	
ii	1	92	ii	7	<b>Jamina exigua</b> Couth.	
ii	1	93	iii	4	<b>Scalaria subulata</b> Couth.	
ii	1	96	iii	5	<b>Novangli</b> Couth.	
ii	1	98			<b>Turbo incarnatus</b> Couth.	
ii	1	99	iii	9	<i>cinereus</i> Couth. <i>obscurus</i> Couth.	
ii	1	100			<b>Pyramis striatulus</b> Couth.	
ii	1	103	iii	1	<b>Turritella erosa</b> Couth.	
ii	1	104	i	11	<b>Pleurotoma bicarinata</b> Couth.	
ii	1	105	iii	3	<b>Cancellaria buccinoides</b> Couth.	
ii	1	106	i	10	<b>Fusus harpularius</b> Couth.	
ii	1	107	i	9	<i>pleuromarius</i> Couth.	
ii	1	108	iii	2	<b>Trichotropis costellatus</b> Couth.	
					[The following mentioned by name only]:—	
ii	1	110			<b>Modiola discors</b> Linn.	
ii	1	110			<i>discrepans</i> Lam.	
ii	1	110			<b>Valvata tricarinata</b> Say.	
ii	1	110			<b>Natica immaculata</b> Totten.	
ii	1	110			<b>Galericulum lævigatum</b> Brown.	
ii	1	110			<i>ovatum</i> Brown.	
ii	1	111			<b>Fusus turriculus</b> Mont.	
ii	1	111			<b>Nassa acuta</b> Say.	
ii	1	111			<b>Actæon trifidus</b> ( <i>Jamina</i> ) Tott.	

[Boston Journal of Natural History—continued.]

Vol.	No.	Pa.	Plate.	Fig.	Name.	Locality.
ii	1	111			<b>Polyclinum</b> —— ?	
ii	1	111			<b>Botryllus stellatus</b> Pallas.	
ii	1	111			<b>Ascidia rustica</b> Linn.	
ii	1	111			<b>microcosmus</b> Cuv.	
ii	1	111			<b>intestinalis</b> Linn.	
ii	1	111			<b>pedunculata</b> Lam.	
ii	1	122			<b>Storer.</b> —Description of a new species of <i>Nucula</i> from Massachusetts Bay: by D. HUMPHREYS STORER, M. D.	
ii	1	122			<b>Nucula thraciacæformis</b> Storer (with a fig.)	
Feb.	1839				<b>Couthouy.</b> —Monograph of the Family <i>Osteodesmacea</i> of Deshayes, with Remarks on two species of <i>Patelloidea</i> , and Descriptions of new species of Marine Shells, a species of <i>Anculotus</i> , and one of <i>Eolis</i> : by JOSEPH P. COUTHOUY.	
ii	2	153	iv	2	<b>Thracia Conradi</b> Couth. <i>T. declivis</i> Conr. <i>Anatina convexa</i> Hitchcock's Catalogue.	New England.
ii	2	166			<b>Osteodesma hyalina</b> Conr. <i>Mya hyalina</i> Conr.	
ii	2	170			<b>Cochleodesma</b> Couth. (n. g.)	
ii	2	170			<b>Cochleodesma Leana</b> Conr. <i>Anatina Leana</i> Conr.	
ii	2	171			<b>Patelloidea amæna</b> Say. <i>Patella amæna</i> Say.	
ii	2	177			<b>alveus</b> Conr. <i>Patella alveus</i> Conr.	
ii	2	178	iv	4	<b>Nucula navicularis</b> Couth.	Massachus'ts Bay.
ii	2	179	iii	15	<b>Bulla lineolata</b> Couth.	Massachus'ts Bay.
ii	2	180	iv	5	<b>hiemalis</b> Couth.	Massachus'ts Bay.
ii	2	181	iv	6	<b>Gouldii</b> Couth.	Massachus'ts Bay.
ii	2	183	iv	8	<b>Pleurotoma decussata</b> Couth.	Massachus'ts Bay.
ii	2	185	iv	7	<b>Anculotus dentatus</b> Couth.	Potomac, Va.
ii	2	187	iv	9	<b>Eolis diversa</b> Couth.	Massachus'ts Bay.
ii	2	262			<b>Adams.</b> —Observations on some species of the Marine Shells of Massachusetts, with Descriptions of five new species: by C. B. ADAMS, A. M. [No descriptions, but remarks, locality, &c.—W. G. B.]	
ii	2	263			<b>Columbella avara</b> Say.	
ii	2	264			<b>Buccinum vibex.</b> <i>Nassa vibex</i> Say.	
ii	2	265			<b>trivittatum</b> Say. <i>Nassa trivittata.</i>	
ii	2	266			<b>lunata</b> Say. <i>Nassa lunata.</i>	

[Boston Journal of Natural History—continued.]

Vol.	No.	Pa.	Plate.	Fig.	Name.	Locality.
ii	2	267			<b>Buccinum obsoletum.</b> <i>Nassa obsoleta</i> Say. <i>B. oliviforme</i> Kiener.	
ii	2	268			<b>Purpura lapillus</b> Linn. <i>Buccinum lapillus</i> L.	
ii	2	269			<b>Ranella caudata</b> Say.	
ii	2	269			<b>Pyrula canaliculata</b> Lam. <i>Murex canaliculata</i> Linn.	
ii	2	269			<b>carica</b> Lam. <i>Murex carica</i> Gmelin.	
ii	2	272			<b>Fusus cinereus</b> Say.	
ii	2	273			<b>Cerithium reticulatum</b> Tott. <i>Pasithea nigra</i> Totten.	
ii	2	275			<b>Turritella interrupta</b> Totten.	
ii	2	276			<b>Crepidula plana</b> Say.	
ii	2	278			<b>fornicata</b> Lam. <i>Patella fornicata</i> Linn	
ii	2	279			<b>convexa</b> Say.	
ii	2	280	iv	13	<b>Jamiania seminuda</b> Adams.	Dartmouth har'r.
ii	2	282	iv	9	<b>Pyramis fusca</b> Adams.	New Bedford.
ii	2	284	iv	10	<b>Cerithium Emersonii</b> Adams.	New Bedford.
ii	2	286	iv	11	<b>nigrocinctum</b> Adams.	Dartmouth har'r.
ii	2	287	iv	12	<b>Greenii</b> Adams.	Dartmouth har'r.
Jan.	1840				<b>Anthony.</b> —Descriptions of three new species of Shells: by J. G. ANTHONY.	
iii	1, 2	278	iii	1	<b>Anculotus costatus</b> Anth.	Cincinnati.
iii	1, 2	278	iii	2	<b>Helix striatella</b> Anth. [Anth.	Cincinnati.
iii	1, 2	279	iii	3	<b>Paludina Cincinnatiensis</b>	Cincinnati.
July,	1840				<b>Adams.</b> —Descriptions of thirteen new species of New England Shells: by C. B. ADAMS, A. M.	
iii	3	318	iii	6	<b>Pleurotoma plicata</b> Adams.	New Bedford.
iii	3	320	iii	7	<b>Cerithium terebrale</b> Adams. <i>C. Emersonii</i> (var.) Ad.	New Bedford.
iii	3	322	iii	8	<b>Jamiania producta</b> Adams.	Fairhaven.
iii	3	323	iii	9	<b>Tornatella punctostriata</b>	New Bedford.
iii	3	324	iii	13	<b>Limnæa pallida</b> Ad. [Ad.	Lake Champlain.
iii	3	325	iii	14	<b>umblicata</b> Adams.	New Bedford.
iii	3	326	iii	15	<b>Planorbis virens</b> Adams.	New Bedford. [&c.
iii	3	327	iii	16	<b>elevatus</b> Adams.	S. Bos'n, L. George,
iii	3	329	iii	17	<b>Ancylus fuscus</b> Adams.	Andover & Mans-
iii	3	330	iii	11	<b>Cyclas elegans</b> Adams.	Vermont. [field.
iii	3	331	iii	18	<b>Pupa badia</b> Adams.	Crown Point, N. Y.
					<b>Adams.</b> —Description of <i>Tellina tenta</i> Say, and of <i>Helix serpuloides</i> Montague, with remarks on other Marine Shells of Massachusetts: by C. B. ADAMS, A. M.	
iii	3	332			<b>Tellina tenta</b> Say.	N. England, S. C.
iii	3	334			<b>Delphinula (?) serpuloides.</b> <i>Helix serpuloides</i> Mont.	East Boston.

[Boston Journal of Natural History—continued.]

Vol.	No.	Pa.	Plate.	Fig.	Name.	Locality.
					<i>Turbo serpuloides</i> Turton. <i>Delphinoidea serpuloides</i> Brown.	
iii	3	335			<b>Cerithium Emersonii</b> Adams.	New Bedford.
iii	3	336			<b>Greenii</b> Adams.	New Bedford, &c.
iii	3	337			<b>Jamina seminuda</b> Adams.	New Bedford.
iii	3	337			<b>fusca</b> Adams. <i>Pyramis fusca</i> Adams.	Fairhaven.
<b>Binney.</b> —A Monograph of the Helices inhabiting the United States: by AMOS BINNEY, M. D. (Continued from vol. i.)						
iii	3	353	vii		<b>Helix palliata</b> Say. <i>H. obstricta</i> Say. <i>denotata</i> Fer. <i>Caroliniensis</i> Lea. <i>Carocolla helicoides</i> Lea. <i>Tridopsis scabra</i> Raf.	[For locality, vide quotations from "Terrestrial Mollusks U. S."]
iii	3	356	viii		<b>appressa</b> Say. <i>H. linguifera</i> Fer.	
iii	3	358	ix	1	<b>inflecta</b> Say. <i>H. clausa</i> Fer. <i>Tridopsis clausa</i> Raf.	
iii	3	360	x	1	<b>monodon</b> Rackett. <i>H. Leaii</i> Ward MS.	
iii	3	363	x	2	<b>fraterna</b> Say. <i>H. monodon</i> Wood. <i>convexa</i> Desh.	
iii	3	365	x	3	<b>hirsuta</b> Say. <i>H. fraterna</i> Wood. <i>Stenotrema convexa</i> Raf.	
iii	3	367	xi	2	<b>spinosa</b> Lea. <i>Carocolla spinosa</i> Lea.	
iii	3	369	xii		<b>Nuttalliana</b> Lea.	
iii	3	371	xiii		<b>Townsendiana</b> Lea.	
iii	3	372	xiv		<b>concava</b> Say. <i>H. planorboides</i> Fer. <i>Vancouverensis</i> Lea. <i>Mesomphix planorboides</i>	
iii	3	375	ix	2	<b>pulchella</b> Müll. [Raf. <i>H. paludosa</i> Montagu. <i>minuta</i> Say.	
iii	3	377	xv		<b>profunda</b> Say. <i>H. Richardi</i> Fer.	
iii	3	379	xvi		<b>Sayii</b> Binney. <i>H. diodonta</i> Say, preoc.	
iii	3	382	xvii		<b>tridentata</b> Say.	
iii	3	384	xviii		<i>H. fallax</i> Say.	
iii	3	384	xix	1, 2	<b>auriculata</b> Say. <i>Polygyra auriculata</i> Say. <i>avara</i> Say. <i>H. avara</i> Fer. <i>Sayii</i> Wood.	

[Boston Journal of Natural History—continued.]

Vol.	No.	Pa.	Plate.	Fig.	Name.	Locality.
iii	3	388	xix	3	<b>Helix fatigiata</b> Say. <i>Polygyra plicata</i> Say. <i>fatigiata</i> Say. <i>Dorfeulliana</i> Lea <i>Troostiana</i> Lea.	
iii		391	xix	4	<b>septemvolva</b> Say. <i>Polygyra septemvolva</i> Say. <i>H. septemvolva</i> Fer. <i>planorbula</i> Lam.	
iii	3	393	xxvi	1	<b>labyrinthica</b> Say.	
<b>Anthony.</b> —Descriptions of two new species of <i>Anculotus</i> : by J. G. ANTHONY.						
iii	3	394	iii	5	<b>Anculotus carinatus</b> Anth.	Kanawha falls.
iii	3	395	iii	4	<b>Kirtlandianus</b> Anth.	Kanawha falls.
iii	3	395			<b>Gould.</b> —Monograph of the species of Pupa found in the United States, with figures: by AUGUSTUS A. GOULD, M. D.	
iii	3	397	iii	19	<b>Pupa corticaria</b> Say.	[Localities not
iii	3	398	iii	20	<b>exigua</b> Say.	given, as they are
iii	3	399	iii	22	<b>contracta</b> Say.	included in the
iii	3	400	iii	10	<b>armifera</b> Say.	quotations from
iii	3	401	iii	12	<b>procera</b> Gould.	"Terrestrial Mol-
iii	3	402	iii	23	<b>miliun</b> Gould.	lusks U. S."—W.
iii	3	403	iii	21	<b>simplex</b> Gould.	G. B.]
iii	3	404			<b>badia</b> Adams.	
Nov.	1841				<b>Binney.</b> —A Monograph of the Helices inhabiting the United States: by AMOS BINNEY, M. D. (Continued.)	
iii	4	405	xxi	1	<b>Helix interna</b> Say. <i>H. pomum-Adami</i> Green.	[For localities, see
iii	4	408	xi	1	<b>gularis</b> Say.	"Terrestrial Mol-
iii	4	410	xi	3	<b>suppressa</b> Say.	lusks U. S."—W.
iii	4	412	xx	1	<b>ligera</b> Say. <i>H. Rafinesquea</i> Fer. <i>Wardiana</i> Lea.	G. B.]
iii	4	413	xx	2	<b>intertexta</b> Binney.	
iii	4	415	xxii	3	<b>indentata</b> Say.	
iii	4	416	xxvi	3	<b>chersina</b> Say.	
iii	4	417	xxiv		<b>fuliginosa</b> Griffith ined. <i>H. lucubrata</i> Say. <i>laevigata</i> Fer.	
iii	4	419	xxi	3	<b>inornata</b> Say.	
iii	4	421			<b>cellaria</b> Mull. <i>H. nitida</i> Drap. <i>glaphyra</i> Say.	
iii	4	422	xxii	1	<b>arborea</b> Say.	
iii	4	423	xxii	2	<b>electrina</b> Gould.	
iii	4	425	xxii	5	<b>multidentata</b> Binney.	
iii	4	426	xxiii		<b>solitaria</b> Say.	



[Boston Journal of Natural History—continued.]

Vol.	No.	Pa.	Plate.	Fig	Name.	Locality.
iii	4	428	xxv		<b>Helix alternata</b> Say. <i>H. scabra</i> Lam.	
iii	4	430	xxi	4	<b>perspectiva</b> Say. <i>H. parvula</i> Desh.	
iii	4	432	xxi	5	<b>striatella</b> Anth.	
iii	4	434	xxi	2	<b>limatula</b> Ward, ined.	
iii	4	435	xxii	4	<b>minuscula</b> Binney.	
iii	4	436	xxii	6	<b>lineata</b> Say.	
iii	4	483			<b>Gould.</b> —Results of an Examination of the Shells of Massachusetts, and their Geographical Distribution: by AUGUSTUS A. GOULD, M. D. [No descriptions. Notes on the following European species]:—	
iii	4	488			<b>Limnæa palustris.</b>	
iii	4	488			<b>stagnalis.</b>	
iii	4	489			<b>Bulimus acutus.</b>	
iii	4	489			<b>Helix variabilis.</b>	
iii	4	489			<b>Pisana.</b>	
iii	4	489			<b>Alasmodon margaritifera.</b> &c. &c.	
Jan.	1842				<b>Mighels &amp; Adams.</b> —Descriptions of twenty-four species of the Shells of New England: by J. W. MIGHELS, M. D., and Prof. C. B. ADAMS.	
iv	1	37				
iv	1	38	iv	1	<b>Thracia truncata</b> M. & Ad.	Casco bay.
iv	1	39	iv	2	<b>Cyclas minor</b> M. & Ad.	Weybridge, Vt., Portland, Me.
iv	1	39	iv	3	<b>nitida</b> M. & Ad.	Oxford Co., Me.
iv	1	40	iv	5	<b>Nucula delphinodonta</b> M. & A.	Casco bay.
iv	1	40	iv	6	<b>Cascoensis</b> M. & Ad.	Casco bay.
iv	1	41	iv	7	<b>Pecten tenuicostatus</b> M. & Ad.	Casco bay.
iv	1	42	iv	8	<b>Chiton mendicarius</b> M. & Ad.	Casco bay.
iv	1	42	iv	9	<b>Cemoria princeps</b> M. & Ad.	Maine.
iv	1	43	iv	10	<b>Bulla puncto-striata</b> M. & Ad.	Casco bay.
iv	1	44	iv	12	<b>Physa fragilis</b> M. & Ad.	Monmouth, Me.
iv	1	45	iv	13	<b>Limnæa decollata</b> M. & Ad.	Unity, Me.
iv	1	46	iv	14	<b>Margarita varicosa</b> M. & Ad.	Bay Chaleur.
iv	1	46	iv	15	<b>acuminata</b> M. & Ad.	Griff St. Lawr'ce.
iv	1	47	iv	16	<b>Trochus occidentalis</b> M. & Ad.	Casco bay.
iv	1	48	iv	22	<b>Cingula latior</b> M. & Ad.	Casco bay.
iv	1	49	iv	24	<b>arenaria</b> M. & Ad. <i>Turbo arenarius</i> Mont.	Casco bay.
iv	1	49	iv	23	<b>semicostata</b> M. & Ad. <i>Turbo semicostata</i> Mont.?	Casco bay.
iv	1	50	iv	20	<b>Turritella costulata</b> M. & Ad.	Casco bay.
iv	1	50	iv	19	<b>reticulata</b> M. & Ad.	Bay Chaleur.
iv	1	51	iv	21	<b>Pleurotoma violacea</b> M. & Ad.	Casco bay.
iv	1	51	iv	17	<b>Fasciolaria ligata</b> M. & Ad.	Griff St. Lawr'ce.
iv	1	52	iv	18	<b>Fusus cancellatus</b> M. & Ad.	Casco bay.
iv	1	53	iv	4	<b>Nucula antiqua</b> M. & Ad., fossil.	Portland, Me.
iv	1	54	iv	11	<b>Bulla occulta</b> M. & Ad., fossil.	Portland, Me.

[Boston Journal of Natural History—continued.]

Vol.	No.	Page.	Name.	Locality.	
Sept. iv	1842. 2	163	<b>Binney.</b> —Descriptions of some of the species of Naked Air-breathing Mollusca inhabiting the United States: by AMOS BINNEY, M. D.		
iv	2	164	<b>Tebennophorus Binney</b> (n. g.)	[Localities are quoted from the "Terrestrial Mollusks U. S."—W. G. B.]	
iv	2	164	<b>Limax flavus</b> Linn. <i>L. variegatus</i> Dr.		
iv	2	166	<b>agrestis</b> Linn. <i>L. tunicata</i> Gould.		
iv	2	169	<b>campestris</b> Binney.		
iv	2	170	<b>Arion hortensis</b> Fer. <i>Limax hortensis</i> Lam.		
iv	2	171	<b>Tebennophorus Carolinensis</b> Bosc. <i>Limax Carolinensis</i> Bosc. <i>togata</i> Gould. <i>Philomycus Carolinensis</i> Fer.		
iv	2	174	<b>Philomycus dorsalis</b> Binney.		
iv	2	241	<b>Binney.</b> —Description of— <b>Helix subplana</b> Binney.		Tennessee.
Apr. iv	1843. 2	108	<b>Mighels.</b> —Catalogue of the Marine, Fluviatile, and Terrestrial Shells of the State of Maine and adjacent Ocean: by J. W. MIGHELS, M. D.		

[No descriptions, but copious notes are given. It was also published in pamphlet form with different folios.—W. G. B.]

Vol.	No.	Page.	Name.	Vol.	No.	Page.	Name.
iv	3	312	<b>Pholas crispata</b> Linn.	iv	3	316	<b>Saxicava distorta</b> Linn.
iv	3	312	<b>Solen ensis</b> Linn.	iv	3	317	<b>Petricola pholadiformis</b> Lam.
iv	3	312	<b>Solecurtus Caribæus</b> <i>Chemn.</i>	iv	3	317	<b>Sanguinolaria fusca</b> S.
iv	3	313	<b>Machæra nitida</b> Gould.	iv	3	317	<b>Tellina sordida</b> Couth.
iv	3	313	<i>costata</i> Say.	iv	3	318	<b>Lucina (Cryptodon)</b> <i>flexuosa</i> Mont.
iv	3	313	<b>Solemya velum</b> Say.	iv	3	318	<i>radula</i> Mont.?
iv	3	313	<i>borealis</i> Totten.	iv	3	318	<b>Cyclas similis</b> Say.
iv	3	313	<b>Panopæa arctica</b> Lam.	iv	3	318	<i>partumeia</i> Say.
iv	3	314	<b>Glycimeris siliqua</b> Chem.	iv	3	319	<i>calyculata</i> Dr.?
iv	3	314	<b>Mya arenaria</b> Linn.	iv	3	319	<i>minor</i> Ad. & Migh.
iv	3	314	<i>truncata</i> Linn.	iv	3	319	<i>nitida</i> Mighels.
iv	3	314	<b>Pandora trilineata</b> Say.	iv	3	319	<b>Astarte undata</b> Gould.
iv	3	315	<b>Osteodesma (Lyonsia)</b> <i>hyalina</i> Conr.	iv	3	319	<i>castanea</i> Say.
iv	3	315	<b>Cochlodesma (Anatina)</b> Leana Conr.	iv	3	319	<i>quadrans</i> Gould.
iv	3	315	<b>Thracia Conradi</b> Couth.	iv	3	320	<i>lactea</i> Br. & Sowb.
iv	3	315	<i>truncata</i> Mighels.	iv	3	320	<b>Portlandica</b> Mighels.
iv	3	315	<b>Mactra gigantea</b> Lam.	iv	3	320	<b>Cyprina Islandica</b> Linn.
iv	3	316	<i>grandis</i> Desh.?	iv	3	320	<b>Cytherea convexa</b> Say.
iv	3	316	<i>M. ovalis</i> Gld. [Conr.]	iv	3	320	<b>Venus mercenaria</b> Linn.
iv	3	316	<b>Mesodesma arctata</b>	iv	3	320	<i>notata</i> Say.
iv	3	316	<b>Jauresii</b> Journnis.	iv	3	321	<i>fluctuosa</i> Gould.
				iv	3	321	<i>gemma</i> Tott.

[Boston Journal of Natural History—continued.]

Vol.	No.	Page.	Name.	Vol.	No.	Page.	Name.
iv	3	321	<b>Cardium Islandicum</b> <i>Linn.</i>	iv	3	330	<b>Patella candida</b> <i>Couth.</i>
iv	3	321	<b>Grœnlandicum</b> <i>Chem.</i> <i>Aphrodite columba</i> <i>Lea.</i>	iv	3	330	<b>amœna</b> <i>Say.</i>
iv	3	321	<b>pinnulatum</b> <i>Conr.</i>	iv	3	330	<b>alveus</b> <i>Cour.</i>
iv	3	322	<b>Cardita borealis</b> <i>Conr.</i>	iv	3	330	<b>Dentalium entalis</b> <i>Linn.</i>
iv	3	322	<b>Arca glacialis</b> <i>Mighels.</i>	iv	3	330	<b>dentale</b> <i>Linn.</i>
iv	3	322	<b>Nucula limatula</b> <i>Say.</i>	iv	3	330	<b>Cemoria (Patella) no-</b> <b>achina.</b>
iv	3	323	<b>thraciæformis</b> <i>Storer.</i>	iv	3	330	<b>princeps</b> <i>Mighels.</i>
iv	3	323	<b>proxima</b> <i>Say.</i>	iv	3	331	<b>Hipponix ?</b> ———.
iv	3	323	<b>minuta</b> <i>Gmel.</i>	iv	3	331	<b>Calyptrea striata</b> <i>Say.</i>
iv	3	323	<b>tenuis</b> <i>Mont.</i>	iv	3	331	<b>Crepidula (Patella) for-</b> <b>nicata</b> <i>Linn.</i>
iv	3	323	<b>myalis</b> <i>Couth.</i>	iv	3	331	<b>plana</b> <i>Say.</i>
iv	3	323	<b>navicularis</b> <i>Couth.</i>	iv	3	331	<b>Bulla Gouldii</b> <i>Couth.</i>
iv	3	323	<b>sapotilla</b> <i>Gould.</i>	iv	3	331	<b>debilis</b> <i>Gould.</i>
iv	3	323	<b>rostrata</b> <i>Mont.</i>	iv	3	331	<b>triticea</b> <i>Couth.</i>
iv	3	324	<b>Jacksonii</b> <i>Gld.,</i> fossil.	iv	3	331	<b>lineolata</b> <i>Couth.</i>
iv	3	324	<b>antiqua</b> <i>Migh.,</i> fossil.	iv	3	332	<b>oryza</b> <i>Tott.</i>
iv	3	324	<b>delphinodonta</b> <i>Migh.</i>	iv	3	332	<b>puncto-striata</b> <i>Migh.</i>
iv	3	324	<b>cascoensis</b> <i>Mighels.</i>	iv	3	332	<b>pertenuis</b> <i>Migh.</i>
iv	3	324	<b>Portlandica</b> <i>Hitch.,</i> fos.	iv	3	332	<b>occulta</b> <i>Migh.,</i> fossil.
iv	3	324	<b>Unio complanatus</b> <i>Sol.</i>	iv	3	332	<b>Helix albolabris</b> <i>Say.</i>
iv	3	324	<b>radiatus</b> <i>Gmel.</i>	iv	3	332	<b>thyroidus</b> <i>Say.</i>
iv	3	324	<b>ochraceus</b> <i>Say.</i>	iv	3	332	<b>hortensis</b> <i>Müll.</i>
iv	3	325	<b>Alasmodon arcuata</b>	iv	3	333	<b>fraterna</b> <i>Say.</i>
iv	3	325	<b>undulata</b> <i>S. [Barnes.]</i>	iv	3	333	<b>pulchella</b> <i>Müll.</i>
iv	3	325	<b>marginata</b> <i>Say.</i>	iv	3	333	<b>alternata</b> <i>Say.</i>
iv	3	325	<b>Anodon cataracta</b> <i>Say.</i>	iv	3	333	<b>striatella</b> <i>Anth.</i>
iv	3	325	<b>marginata</b> <i>Say.</i>	iv	3	333	<b>lineata</b> <i>Say.</i>
iv	3	325	<b>implicata</b> <i>Say.</i>	iv	3	333	<b>indentata</b> <i>Say.</i>
iv	3	326	<b>Mytilus edulis</b> <i>Linn.</i>	iv	3	333	<b>arborea</b> <i>Say.</i>
iv	3	326	var. <b>pellucidus</b> <i>Penn.</i>	iv	3	333	<b>labyrinthica</b> <i>Say.</i>
iv	3	326	<b>Modiola modiolus</b> <i>Lin.</i>	iv	3	333	<b>electrina</b> <i>Gould.</i>
iv	3	326	<b>plicatula</b> <i>Lam.</i>	iv	3	333	<b>chersina</b> <i>Say.</i>
iv	3	326	<b>nexa</b> <i>Gould.</i>	iv	3	333	<b>Sayi</b> <i>Binney.</i>
iv	3	326	<b>pectinula</b> <i>Gould.</i>	iv	3	334	<b>Pupa contracta</b> <i>Say.</i>
iv	3	327	<b>discrepans</b> <i>Mont.</i>	iv	3	334	<b>modesta</b> <i>Say.</i>
iv	3	327	<b>glandula</b> <i>Tott. [Gmel.]</i>	iv	3	334	<b>curvidens</b> <i>Gould.</i>
iv	3	327	<b>Pecten Magellanicus</b> <i>P. tenuicostatus</i> <i>Migh.</i>	iv	3	334	<i>P. pentodon</i> <i>Say.</i> <b>exigua</b> <i>Say.</i>
iv	3	327	<b>Islandicus</b> <i>Müll.</i>	iv	3	334	<b>Bulimus lubricus</b> <i>Müll.</i>
iv	3	327	<b>Ostrea borealis</b> <i>Lam.</i>	iv	3	334	<b>Succinea campestris</b> <i>S.</i> <i>S. obliqua</i> <i>Say.</i>
iv	3	328	<b>Anomia ephippium</b>	iv	3	334	<b>avara</b> <i>Say.</i>
iv	3	328	<b>aculeata</b> <i>Gmel. [Lister.]</i>	iv	3	334	<b>ovalis</b> <i>Say.</i>
iv	3	329	<b>Terebratula caput-ser-</b> <b>pentis</b> <i>Linn.</i>	iv	3	335	<b>Planorbis trivolvis</b> <i>Say.</i>
iv	3	329	<b>psittacea</b> <i>Gmel.</i>	iv	3	335	<b>lentus</b> <i>Say.</i>
iv	3	329	<b>Chiton lævigatus</b> <i>Flem.</i> <i>C. fulminatus</i> <i>Couth.</i>	iv	3	335	<b>bicarinatus</b> <i>Say.</i>
iv	3	329	<b>ruber</b> <i>Lowe.</i>	iv	3	335	<b>campanulatus</b> <i>Say.</i>
iv	3	329	<b>albus</b> <i>Mont.</i>	iv	3	335	<b>armigerus</b> <i>Say.</i>
iv	3	329	<b>Emersonii</b> <i>Couth.</i>	iv	3	335	<b>elevatus</b> <i>Adams.</i>
iv	3	329	<b>mendicarius</b> <i>Mighels.</i>	iv	3	335	<b>deflectus</b> <i>Say.</i>
				iv	3	335	<b>exacutus</b> <i>Say.</i>

[Boston Journal of Natural History—continued.]

Vol.	No.	Page.	Name.	Vol.	No.	Page.	Name.
iv	3	335	<i>Planorbis parvus</i> Say.	iv	3	340	<i>Lacuna neritoidea</i> Gld.
iv	3	335	<i>Physa heterostropha</i> S.	iv	3	340	<i>Cingula (Turbo) minuta</i>
iv	3	335	<i>ancillaria</i> Say.	iv	3	340	<i>aculeus</i> Gould. [Tott.
iv	3	336	<i>hypnorum</i> Drap. <i>P. elongata</i> Say.	iv	3	340	(Turbo) <i>semicostata</i> Mont.
iv	3	336	<i>gyrina</i> Say.	iv	3	340	(Turbo) <i>arenaria</i>
iv	3	336	<i>fragilis</i> Mighels.	iv	3	340	<i>latior</i> Migh. [Mont.
iv	3	336	<i>Limnæa columella</i> Say.	iv	3	340	<i>Turritella erosa</i> Couth.
iv	3	336	<i>humilis</i> Say.	iv	3	340	<i>costulata</i> Mighels.
iv	3	336	<i>desidiosa</i> Say.	iv	3	340	<i>reticulata</i> Mighels.
iv	3	336	<i>decollata</i> Mighels.	iv	3	340	<i>Pyramis striatula</i> Couth.
iv	3	337	<i>ampla</i> Mighels.	iv	3	341	<i>Pleurotoma decussata</i> Couth.
iv	3	337	<i>Amnicola lustrica</i> Say.	iv	3	341	<i>bicarinata</i> Couth.
iv	3	337	<i>porata</i> Say.	iv	3	341	<i>violacea</i> Ad. & Migh.
iv	3	337	<i>Paludina decisa</i> Say.	iv	3	341	<i>Cancellaria Couthouyi</i> Jay.
iv	3	337	<i>Valvata columbica</i> Gld.	iv	3	341	<i>Fasciolaria ligata</i> Migh.
iv	3	337	<i>Ancylus rivularis</i> Say.	iv	3	341	<i>Fusus decemcostatus</i> Say.
iv	3	337	<i>Natica heros</i> Say.	iv	3	341	<i>Islandicus</i> Pennant.
iv	3	338	<i>triseriata</i> Say.	iv	3	341	<i>pygmæus</i> Gould.
iv	3	338	<i>immaculata</i> Tott.	iv	3	342	<i>tornatus</i> Gould.
iv	3	338	<i>pusilla</i> Say.	iv	3	342	<i>scalariformis</i> Gould.
iv	3	338	<i>clausa</i> Br. & Sowb. <i>N. consolidata</i> Couth.	iv	3	342	<i>Bamfius Fleming.</i>
iv	3	338	<i>flava</i> Gould.	iv	3	342	<i>rufus</i> Mont.
iv	3	338	<i>Velutina lævigata</i> Linn.	iv	3	342	<i>F. pleurotomarius</i> Cout.
iv	3	338	<i>zonata</i> Gould. [Linn.	iv	3	342	<i>harpularius</i> Couth.
iv	3	338	<i>Sigaretus haliotoideus</i>	iv	3	342	<i>turriculus</i> Mont.
iv	3	338	<i>Skenea serpuloides</i> Mont.	iv	3	342	<i>cancellatus</i> Mighels.
iv	3	338	<i>Scalaria Grœnlandica</i> Chemn.	iv	3	342	<i>Rostellaria occidenta-</i> <i>lis</i> Beck.
iv	3	339	<i>Margarita cinerea</i> Cout.	iv	3	342	<i>Trichotropis borealis</i> Sowb.
iv	3	339	<i>obscura</i> Couth.	iv	3	343	<i>Purpura lapillus</i> Linn.
iv	3	339	<i>undulata</i> Sowb.	iv	3	343	<i>Buccinum undatum</i> Lin.
iv	3	339	<i>arctica</i> Leach.	iv	3	343	<i>trivittatum</i> Say.
iv	3	339	<i>argentata</i> Gould.	iv	3	343	<i>obsoletum</i> Say.
iv	3	339	<i>acuminata</i> Sowb.	iv	3	343	<i>rosaceum</i> Gould.
iv	3	339	<i>varicosa</i> Migh. [Migh.	iv	3	343	<i>ciliatum</i> O. Fabr.
iv	3	339	<i>Trochus occidentalis</i>	iv	3	343	<i>Donovani</i> Gray.
iv	3	339	<i>Littorina (Turbo) rudis</i> Don.	iv	3	343	<i>plicosum</i> Menke.
iv	3	339	<i>Turbo obligatus</i> Say.	iv	3	344	<i>Columbella avara</i> Say.
iv	3	339	(Turbo) <i>tenebrosa</i> Mont.	iv	3	344	<i>Terebra (Cerithium)</i> <i>dislocata</i> Say.
iv	3	339	<i>Turbo vestitus</i> Say.	iv	3	344	<i>T. Petiti</i> Kiener.
iv	3	340	(Turbo) <i>palliata</i> Say.				
iv	3	340	<i>Lacuna vincta</i> Mont.				

[Boston Journal of Natural History—continued.]

Vol.	No.	Pa.	Pl.	Fig.	Name.	Locality.
					<b>Mighels.</b> —Descriptions of six species of Shells regarded as new: by J. W. MIGHELS, M. D.	
iv	3	345	xvi	2	<b>Astarte Portlandica</b> <i>Migh.</i>	Casco bay.
iv	3	346	xvi	3	<b>Bulla pertenuis</b> <i>Migh.</i>	Casco bay.
iv	3	347	xvi	1	<b>Limnea ampla</b> <i>Migh.</i>	Second Eagle lake, Me.
iv	3	348	xvi	4	<b>Phasianella sulcosa</b> <i>Migh.</i>	Casco bay.
iv	3	349	xvi	5	<b>Margarita minutissima</b> <i>Migh.</i>	Casco bay.
iv	3	349	xvi	6	<b>Delphinula? coarctata</b> <i>Migh.</i>	Casco bay.
					<b>Gould.</b> —A Monograph of the genus <i>Pupa</i> found in the United States: by AUGUSTUS A. GOULD, M. D. (Continued from vol. iii.)	
iv	3	350	xvi	7-8	<b>Pupa ovata</b> <i>Say.</i> <i>P. modesta</i> <i>Say.</i>	[For localities, vid. quotations from "Terrest. Moll. U. S."—W. G. B.]
iv	3	352	xvi	9	<b>Gouldii</b> <i>Binney.</i>	
iv	3	353	xvi	10-11	<b>pentodon</b> <i>Say.</i> <i>P. Tappaniana</i> <i>Adams.</i> <i>curvidens</i> <i>Gould.</i>	
iv	3	355	xvi	13	<b>rupicola</b> <i>Say.</i>	
iv	3	357	xvi	15	<b>fallax</b> <i>Say.</i>	
					Additional notes on—	
iv	3	358			<b>Pupa corticaria.</b>	
iv	3	358			<b>exigua</b> <i>Say.</i>	
iv	3	359			<b>contracta</b> <i>Say.</i>	
iv	3	359			<b>millium</b> <i>Gould.</i>	
iv	3	359			<b>procera</b> <i>Gould.</i> <i>P. carinata</i> <i>Gould.</i>	
iv	3	359			<b>armifera</b> <i>Say.</i>	
iv	3	359			<b>simplex.</b>	
iv	3	360			<b>badia.</b>	
					<b>Binney.</b> —Descriptions of two undescribed species of North American Helices: by AMOS BINNEY, M. D.	
iv	3	360	xx		<b>Helix tudiculata</b> <i>Binney.</i>	San Diego, Cal.
iv	3	361	xvi	16	<b>demissa</b> <i>Binney.</i>	W'm Penn'a.
Jan.	1844				<b>Wyman.</b> —On the Anatomy of <b>Tebenophorus Carolinensis</b> : by JEFFRIES WYMAN, M. D.	
iv	4	410	xxii			
iv	4	416	xxiii		<b>Wyman.</b> —On the Anatomical Structure of <b>Glandina truncata</b> of <i>Say</i> : by JEFFRIES WYMAN, M. D.	

[Boston Journal of Natural History—continued.]

Vol.	No.	Pa.	Pl.	Fig.	Name.	Locality.
					<b>Haldeman.</b> —Enumeration of Recent Fresh-water Mollusca which are common to North America and Europe, with observations on species and their distribution: by S. S. HALDEMAN.	
iv	4	468		1	<i>Paludina vivipara</i> Linn.	
iv	4	468		2	<i>fasciata</i> Müll. <i>P. achatina</i> Lam.	
iv	4	468		3	<i>Physa hypnorum</i> Linn. <i>P. elongata</i> Say.	
iv	4	468		4	<i>Limnea palustris</i> Müll. <i>L. elodes</i> Say. <i>stagnalis</i> L. <i>L. jugularis</i> Say. <i>truncatulus</i> Müll.	
iv	4	468		5	<i>Planorbis albus</i> Müll. <i>nitidus</i> Müll.?	
iv	4	468		6	<i>Cyclas calyculata</i> Dr.	
iv	4	468		7	<i>Pisidium appendiculatum</i> <i>amnicum</i> Müll.? [Leach.	
iv	4	468		8	<i>Alasmodon margariferus</i> Linn.	
					On cover of part 1, page 3, Jan. 1842—	
iv	1				<i>Helix subplana</i> Binney.	Tennessee.
iv	1				<i>tenuistriata</i> Binney.	Tennessee.
iv	1				<i>Pupa carinata</i> Gould.	Maryland.
Oct.	1845				<b>H. C. Lea.</b> —Descriptions of some new species of Marine Shells inhabiting the Coast of the United States: by HENRY C. LEA.	
v	2	285	xxiv	1	<i>Pholas semicostata</i> H. C. Lea.	South Carolina.
v	2	286	xxiv	2	<i>Bulla biplicata</i> H. C. Lea.	Cape May.
v	2	287	xxiv	3	<i>Littorina lunata</i> H. C. Lea.	Cape May.
v	2	288	xxiv	4	<i>Cingula robusta</i> H. C. Lea.	Cape May.
v	2	288	xxiv	5	<i>modesta</i> H. C. Lea.	Long Island.
v	2	289	xxiv	6	<i>turriculus</i> H. C. Lea.	South Carolina.
June,	1852				<b>Prime.</b> —Monograph of the species of <i>Pisidium</i> found in the United States of North America, with figures: by TEMPLE PRIME. [Wood-cuts are also given.]	
vi	3	348			<i>Pisidium variabile</i> Prime.	Maine, Mass., N. H., N. Y., Con., Maine. [Va.
vi	3	351	xi	7-9	<i>Adamsii</i> Prime. <i>Cyclas nitida</i> Ad. & Migh.	
vi	3	352	xi	1-3	<i>altile</i> Anthony. <i>Cyclas altilis</i> Anthony.	N. Y., Ohio.
vi	3	353	xi	10-12	<i>dubium</i> Gould. <i>Cyclas dubia</i> Say. <i>Pisidium abruptum</i> Hald.	Mass., Conn., N. Y., N. J., Md., Ohio, Wisc.
vi	3	354	xi	4-6	<i>ventricosum</i> Prime.	Massachusetts.
vi	3	355	xi	16-18		

[Boston Journal of Natural History—continued.]

Vol.	No.	Pa.	Pl.	Fig.	Name.	Locality.
vi	3	356	xi	13-15	<b>Pisidium compressum</b> <i>Prime.</i>	Mass., Me., N. Y.
vi	3	357	xi	19-21	<b>rotundatum</b> <i>Prime.</i>	Lake Superior.
vi	3	358	xi	21-23	<b>tenellum</b> <i>Gould.</i> <i>P. rubellum</i> <i>Prime.</i>	Lake Superior.
vi	3	359			<b>obscurum</b> <i>Prime.</i>	Ohio.
vi	3	359	xi	24-25	<b>abditum</b> <i>Hald.</i>	Columbia, Pa.
			xii	1		
vi	3	360	xii	5-7	<b>minus</b> <i>Stimpson.</i> <i>Cyclas minor</i> <i>Ad. et Migh.</i>	Me., Vt., Mass., Conn., N. Y.
vi	3	361	xii	5-7	<b>Kurtzii</b> <i>Prime.</i>	Charleston, S. C.
vi	3	362	xii	8-10	<b>ferrugineum</b> <i>Prime.</i>	Mass., N. Y.
vi	3	363	xii	11-13	<b>regulare</b> <i>Prime.</i>	Miami canal, O.
vi	3	364	xii	14-16	<b>arcuatum</b> <i>Prime</i> (fossil).	Brattleboro', Vt.
vi	3	364	xii	17-19	<b>zonatum</b> <i>Prime.</i>	Greenwich, N. Y.
vi	3	365	xii	20-22	<b>notatum</b> <i>Prime.</i>	Greenwich, N. Y.
vi	3	366	xii	23-25	<b>equilaterum</b> <i>Prime.</i>	Me., Mass., N. Y.
vi	3	366			<b>equale</b> <i>Raf.</i> <i>Physemoda equale</i> <i>Raf.</i>	Ohio.
[A list of known species of <i>Pisidium</i> and their localities here follows.—W. G. B.]						
Oct.	1853				<b>Gould.</b> —Descriptions of Shells from the Gulf of California and the Pacific Coasts of Mexico and California: by AUGUSTUS A. GOULD, M. D.	
vi	3	374				
vi	3	375	xiv	1	<b>Bullimus vesicalis</b> <i>Gould.</i>	Lower Califor'a.
vi	3	375	xiv	2	<b>vegetus</b> <i>Gould.</i>	Santa Juan, G. of Califor'a. [Cal.
vi	3	376	xiv	3	<b>excelsus</b> <i>Gould.</i> [ <i>B. elatus</i> in pl.—W. G. B.]	Califor'a. [Cal.
vi	3	376	xiv	5	<b>Acmaea paleacea</b> <i>Gould.</i>	Santa Barbara.
vi	3	377	xiv	7	<b>Crepidula explanata</b> <i>Gould.</i>	Monterey, L. Ca.
vi	3	377	xiv	8	<b>Bulla (Akeria) culcitella</b> <i>Gld.</i>	Santa Barbara.
vi	3	378	xiv	9	( <i>Tornatina</i> ) <b>cerealis</b> <i>Gld.</i>	Santa Barbara.
vi	3	379	xiv	4	<b>Physa alata</b> <i>Gould.</i>	Lower Califor'a.
vi	3	379	xiv	17	<b>Sigaretus debilis</b> <i>Gould.</i>	La Paz, G. of C.
vi	3	380	xiv	10	<b>Narica ovoidea</b> <i>Gould.</i>	Maz'lan (bou't).
vi	3	380	xiv	19	<b>Terebra arguta</b> <i>Gould.</i>	
vi	3	381	xiv	11	<b>Trochus marcidus</b> <i>Gould.</i>	Monterey.
vi	3	381			<b>picoides.</b> [Gould.]	
vi	3	382			( <i>Monodonta</i> ) <b>pyriformis</b>	San Diego.
vi	3	383	xiv	12	<b>Modulus dorsuosus</b> <i>Gould.</i>	Acapulco.
vi	3	383	xiv	15	<b>Chemnitzia tenuicula</b> <i>Gould.</i>	Santa Barbara.
vi	3	384	xiv	16	<b>torquata</b> <i>Gould.</i>	Santa Barbara.
vi	3	384	xiv	14	<b>Odostomia gravida</b> <i>Gould.</i>	Santa Barbara.
vi	3	385	xiv	13	<b>achates</b> <i>Gould.</i>	Mazatlan.
vi	3	385	xiv	18	<b>Fusus ambustus</b> <i>Gould.</i>	Mazatlan.
vi	3	386	xiv	20	<b>Erato leucophæa</b> <i>Gould.</i>	Santa Barbara.
vi	3	386	xiv	21	<b>Conus ravus</b> <i>Gould.</i>	Santa Barbara.
vi	3	387	xiv	23	<b>comptus</b> <i>Gould.</i>	Santa Barbara.
vi	3	388	xiv	22	<b>pusillus</b> <i>Gould.</i>	Mazatlan.
vi	3	388	xv	1	<b>Pholas ovidea</b> <i>Gould.</i>	
vi	3	389	xv	5	<b>Petricola bulbosa</b> <i>Gould.</i>	Guaymas.
vi	3	390	xv	6	<b>Osteodesma nitidum</b> <i>Gould.</i>	Santa Barbara.
vi	3	390			<b>Lutraría ventricosa</b> <i>Gould.</i>	Mazatlan.
vi	3	391	xv	7	<b>undulata</b> <i>Gould.</i>	La Paz, L. Cal.

[Boston Journal of Natural History—continued.]

Vol.	No.	Pa.	Pl.	Fig.	Name.	Locality.
vi	3	392			<b>Amphidesma flavescens</b> <i>Gould.</i>	San Diego.
vi	3	393			<i>Mactra nasuta</i> Gld. = <b>M. falcata</b> ?	
vi	3	393	xv	4	<b>Mactra mendica</b> <i>Gould.</i>	Mazatlan.
vi	3	394	xv	8	<b>Donax flexuosus</b> <i>Gould.</i>	Santa Barbara.
vi	3	394	xv	9	<b>obesus</b> <i>Gould.</i>	San Diego.
vi	3	395	xv	3	<b>Lucina orbella</b> <i>Gould.</i>	San D., Sta. B.
vi	3	396	xv	2	<b>Arthemis saccata</b> <i>Gould.</i>	Mazatlan.
vi	3	397	xvi	1	<b>Tellina miniata</b> <i>Gould.</i>	San Juan.
vi	3	398	xvi	2	<b>tersa</b> <i>Gould.</i>	Panama.
vi	3	398	xvi	3	<b>pura</b> <i>Gould.</i>	Panama.
vi	3	399	xvi	5	<b>gemma</b> <i>Gould.</i>	San Juan.
vi	3	399	xvi	4	( <i>Strigilla</i> ) <b>fucata</b> <i>Gould.</i>	Mazatlan.
vi	3	400	xvi	5	<b>Cyrena altalis</b> <i>Gould.</i>	Mazatlan?
vi	3	401			<b>Cardium luteolabrum</b> <i>Gould.</i>	San Diego.
vi	3	402			<b>Anodon ciconia</b> <i>Gould.</i>	Mexico?
vi	3	402	xvi	8	<b>Mytilus glomeratus</b> <i>Gould.</i>	San Francisco.
vi	3	403	xvi	9	<b>Lithodomus falcatus</b> <i>Gould.</i>	Monterey.
vi	3	404	xvi	7	<b>Avicula sterna</b> <i>Gould.</i>	Mazat., Panama.
vi	3	405	xvi	6	<b>Lima tetrica</b> <i>Gould.</i>	La Paz, G. of C.
vi	3	406	xv	10	<b>Venus tantillus</b> <i>Gould.</i>	Santa Barbara.
vi	3	406			<b>Purpura pansa</b> <i>Gould.</i>	
					<i>P. patula</i> Auct.	
					[The following mentioned by name only]:—	
vi	3	407			<b>Venus aurantiaca</b> <i>Sowb.</i>	Santa Barbara.
vi	3	407			<b>gnidia.</b>	Mazatlan.
vi	3	407			<b>Artemis gigantea.</b>	La Paz.
vi	3	407			<b>Tellina regia.</b>	Mazatlan.
vi	3	407			<b>Burneti</b> <i>Brod.</i>	Lower Calif'ra.
vi	3	407			<b>Parapholas Californica</b> <i>Conr.</i>	San Diego.
					<i>P. Janellii</i> <i>Desh.</i>	
vi	3	407			<b>Periploma planiuscula.</b>	Guaymas.
vi	3	407			<b>Thracia granulosa.</b>	La Paz.
vi	3	407			<b>Anomia macrochisma.</b>	Monterey.
vi	3	407			<b>Trochus Norrisii.</b>	Santa Barbara.
vi	3	407			<b>Oniscia tuberculosa.</b>	San Juan.
vi	3	407			<b>Cassis coarctata.</b>	San Juan.
vi	3	407			<b>Saxidomus Nuttalli</b> <i>Conr.</i>	San Diego.
					<i>Venerupis Pettitii</i> <i>Desh.</i>	
vi	3	407			<b>Cancellaria obesa.</b>	La Paz.
vi	3	407			<b>cassidiformis.</b>	La Paz.
vi	3	407			<b>Cyrtulus distortus.</b>	Panama.
vi	3	407			<b>Ostrea Cumingiana.</b>	La Paz.
vi	3	407			<b>Pectunculus giganteus.</b>	Guaymas.
vi	3	407			<b>Chiton Magdalensis.</b>	Mazatlan.
vi	3	407			<b>muscosus</b> <i>Gould.</i>	Panama.
					<i>C. Collei</i> <i>Reeve.</i>	
vi	3	407			<b>Stokesii</b> <i>Brod.</i>	San Francisco.
vi	3	407			<b>Marginella imbricata</b> <i>Hinds.</i>	Santa Barbara.
vi	3	407			<b>Cerithium irroratum</b> <i>Gould.</i>	Mazatlan.
vi	3	407			<b>Saxicava Cordieri</b> <i>Desh.</i>	Mazatlan.
vi	3	407			<b>Tellina Bodegensis.</b>	San Francisco.
vi	3	407			<b>Cardium elatum</b> <i>Brod.</i>	San Diego.
vi	3	407			<b>Sanguinolaria decora</b> <i>Hinds.</i>	San Diego.



[Boston Journal of Natural History—continued.]

Vol.	No.	
Sept. vii	1859. 1	<b>W. G. Binney.</b> —A Supplement to the "Terrestrial Air-breathing Mollusks of the United States:" by W. G. BINNEY.  [The same was published separately as a fourth volume of the "Terrestrial Mollusks," and has been quoted with the previous volumes.—W. G. B.]

**Anthony, Gould, &c.**—In the Proceedings of the Boston Society of Natural History, occur the following:—

Vol.	Page.	Name.	Locality.
	1841.	<b>J. G. Anthony.</b>	
i	5	<i>Anculotus Kirtlandianus</i> Anth. = <i>Melania Rogersii</i> Conr. (teste letter of J. G. Anthony).	
i	6	<b>Gould.</b> —Investigations on Testacea of Massachusetts: by A. A. GOULD, M. D.	
		<b>T. A. Greene.</b>	
i	14	<i>Janthina fragilis.</i>	Nantucket.
		<b>Bulfinch.</b>	
i	20	<i>Janthina fragilis.</i>	Nantucket.
July,	1841.	<b>A. A. Gould.</b>	
i	32	<i>Paludina heterostropha</i> Kirtland = <i>P. ponderosa.</i>	
Nov.	1841.	<b>Mighels &amp; Adams.</b> —Descriptions of twenty-five new species of New England Shells: by J. W. MIGHELS and C. B. ADAMS.	
i	48	<i>Thracia truncata</i> Mighels.	Casco Bay.
i	48	<i>Cyclas minor</i> Adams.	Vermont.
i	48	<i>nitida</i> Mighels.	Oxford Co., Me
i	48	<i>Nucula delphinodonta</i> Mighels.	Casco Bay.
i	48	<i>Cascoënsis</i> Mighels.	Casco Bay.
i	49	<i>Pecten tenuicostatus</i> Mighels.	Casco Bay.
i	49	<i>Chiton mendicarius</i> Mighels.	Casco Bay.
i	49	<i>Cemoria princeps</i> Mighels.	Maine.
i	49	<i>Bulla puncto-striata</i> Mighels.	Casco Bay.
i	49	<i>Physa fragilis</i> Mighels.	Monmouth, Me.
i	49	<i>Limnæa decollata</i> Mighels.	Unity, Me.
i	49	<i>Margarita varicosa</i> Mighels.	Bay Chaleur.
i	49	<i>Trochus occidentalis</i> Mighels.	Casco Bay.
i	50	<i>Cingula latior</i> Mighels.	Casco Bay.
i	50	<i>Turritella costulata</i> Mighels.	Casco Bay.
i	50	<i>reticulata</i> Mighels.	Bay Chaleur.
i	50	<i>Pleurotoma violacea</i> Migh. & Ad.	Casco Bay.
i	50	<i>Fasciolaria ligata</i> Mighels.	Gulf of St. Lawrence.
i	50	<i>Fusus cancellatus</i> Mighels.	Casco Bay.
i	50	<i>Nucula antiqua</i> Mighels (fossil).	Westbrook, Me.
i	50	<i>Bulla occulta</i> Mighels (fossil).	Westbrook, Me.

[Proceedings of the Boston Society of Natural History—continued.]

Vol.	Page.	Name.	Locality.
Dec.	1841.	<b>Binney.</b> —On some of the species of Naked Pneumono-branchous Mollusca of the United States: by Dr. AMOS BINNEY.	
i	51		
i	51	Genus <b>Tebennophorus</b> <i>Binney.</i>	
i	52	<b>Limax campestris</b> <i>Binney.</i>	N. E., N. Y., Ohio, Mo.
i	52	<b>Philomycus dorsalis</b> <i>Binney.</i>	Mass., Vermont.
		[The following mentioned by name only]:—	
i	51	<b>Limax agrestis</b> <i>Linn.</i>	
i	51	<b>hortensis</b> <i>Fer.</i>	
i	51	<b>flavus</b> <i>Linn.</i>	
i	51	<b>Tebennophorus Carolinensis</b> <i>Bosc.</i>	
Mar.	1842.	<b>Gould.</b> —Criticism on a paper in the last number of Silliman's Journal, by H. C. Lea: by Dr. A. A. GOULD.	
i	61		
i	61	<i>Cyrena purpurea</i> H. C. Lea = <b>Venus gemma.</b>	
i	61	<i>Crepidula acuta</i> H. C. Lea = <b>C. convexa.</b>	
i	61	<i>Carychium exile</i> H. C. Lea = <b>Pupa exigua.</b>	
i	61	<i>Pasithea sordida</i> H. C. Lea = <b>Actæon trifidus.</b>	
i	61	<i>Cerithium cancellatum</i> H. C. Lea = <b>Cingula aculeus.</b>	
		<b>Dr. A. A. Gould.</b>	
i	72	Note on <b>Mytilus edulis.</b>	
Oct.	1842.	<b>Gould.</b> —Note on Adams's "Mollusca of Vermont:" by A. A. GOULD, M. D.	
i	89		
i	89	<i>Pupa modesta</i> = <b>P. ovata.</b>	
i	89	<i>albilabris</i> = <b>P. fallax.</b>	
Mar.	1843.	<b>Binney.</b> —A Critica. Notice on the species of Pupa found in the United States: by Dr. AMOS BINNEY.	
i	104		
i	105	<i>Cyclostoma marginata</i> Say = <b>Pupa fallax</b> <i>Say.</i>	
i	105	<i>Pupa placida</i> Say = <b>Bulimus hordeaceus.</b>	
i	105	<i>modesta</i> Say = <b>P. ovata</b> <i>Say.</i>	
i	105	<i>procera</i> Gould = <b>P. rupicola</b> <i>Say.</i>	
i	105	<i>curvidens</i> Gould = <b>P. pentodon</b> <i>Say.</i>	
i	105	<i>Tappaniana</i> Adams = <b>P. pentodon</b> <i>Say.</i>	
i	105	<b>Pupa Gouldii</b> <i>Binney</i> (described).	
		<b>Gould.</b> —Remarks on the last paper: by Dr. A. A. GOULD.	
i	106	Notes on <b>Pupa simplex.</b>	
i	106	<b>procera.</b>	
i	106	<b>curvidens.</b>	
i	106	<b>carinata.</b>	
May,	1843.	<b>Gould.</b> —Note on Mighels's "Shells of Maine:" by Dr. A. A. GOULD.	
i	118		

[Proceedings of the Boston Society of Natural History—continued.]

Vol.	Page.	Name.	Locality.
Oct.	1843.	<b>Mighels.</b> —Descriptions of seven species of Shells regarded	
i	129	as new: by J. W. MIGHELS, M. D.	
i	129	<b>Astarte Portlandica</b> <i>Mighels.</i>	Casco Bay.
i	129	<b>Bulla pertenuis</b> <i>Mighels.</i>	Casco Bay.
i	129	<b>Limnæa ampla</b> <i>Mighels.</i>	Second Eagle lake, Me.
i	129	<b>Phasianella sulcosa</b> <i>Mighels.</i>	Casco Bay.
i	129	<b>Margarita minutissima</b> <i>Mighels.</i>	Casco Bay.
i	129	<b>Delphinula? coarctata</b> <i>Mighels.</i>	Casco Bay.
		<b>Dr. A. A. Gould.</b>	
i	133	Notes on <b>Physa ancillaria.</b>	
i	133	<b>heterostropha.</b>	
		<b>Dr. A. A. Gould.</b>	
i	137	<i>Pupa carinata</i> = <b>P. procera.</b>	
i	142	<b>Binney.</b> —Remarks on the Geographical Distribution of American Land Shells: by Dr. AMOS BINNEY.	
Dec.	1843.	<b>Wyman.</b> —Notes on the Anatomy of <b>Tebennophorus</b>	
i	154	and <b>Glandina</b> : by Dr. JEFFRIES WYMAN.	
May,	1844.	<b>Dr. A. A. Gould.</b>	
i	174	Note on <b>Helix lucida.</b>	[Greenwich, N. Y.]
Oct.	1844.	<b>Dr. J. W. Mighels.</b>	
i	187	<i>Pupa costulata</i> <i>Mighels.</i>	Portland, Me.
i	187	<b>Helix submeris</b> <i>Mighels.</i>	Key West, Florida.
i	187	<b>Osteodesma æruginosa</b> <i>Mighels.</i>	Gulf of St. Lawrence.
i	188	<b>Tellina elucens</b> <i>Mighels.</i>	Casco Bay.
i	188	<b>Mytilus Minganensis</b> <i>Mighels.</i>	Gulf of St. Lawrence.
i	188	<b>Bulla incincta</b> <i>Mighels.</i>	Casco Bay.
i	188	<b>Cypricardia nodulosa</b> <i>Mighels.</i>	Key West, Fla.
i	189	<b>Pleurotoma insculpta</b> <i>Mighels.</i>	Key West, Fla.
i	189	<b>Schizostoma cylindracea</b> <i>Mighels.</i>	Warrior river, Ala.
i	189	<b>curta</b> <i>Mighels.</i>	Warrior river, Ala.
		<b>Dr. A. A. Gould.</b>	
i	189	<i>Pupa costulata</i> <i>Mighels</i> = <b>Helix harpa.</b>	
i	189	<i>Cypricardia nodulosa</i> <i>Migh.</i> = <b>Carditamera Floridana</b> <i>Conr.</i>	
Nov.	1844.	<b>Jackson.</b> —List of Shells found at Lake Superior: by Dr. C. T. JACKSON.	
i	198	<b>Unio purpureus</b> <i>Say.</i>	
i	198	<b>Limnæa jugularis</b> <i>Say.</i>	

[Proceedings of the Boston Society of Natural History—continued.]

Vol.	Page.	Name.	Locality.
Mar.	1845.	<b>H. C. Lea.</b> —Descriptions of—	
i	204	<b>Pholas semicostata</b> <i>H. C. Lea.</i>	South Carolina.
i	204	<b>Bulla buplicata</b> <i>H. C. Lea.</i>	Cape May.
i	205	<b>Littorina lunata</b> <i>H. C. Lea.</i>	Cape May.
i	205	<b>Cingula robusta</b> <i>H. C. Lea.</i>	Cape May.
i	205	<b>modesta</b> <i>H. C. Lea.</i>	Brooklyn, L. I.
i	205	<b>turriculus</b> <i>H. C. Lea.</i>	South Carolina.
Jan.	1845.	<b>Binney.</b> —Notes on Land Shells of Florida: by Dr. AMOS BINNEY.	
ii	25		
July,	1845.	<b>Dr. A. A. Gould.</b> —Descriptions of—	
ii	53	<b>Unio paludicolus</b> <i>Gould.</i>	Florida Everglades.
ii	53	<b>papyraceus</b> <i>Gould.</i>	Florida Everglades.
Oct.	1845.	<b>Leidy.</b> —Notes on the existence of the Sack of the Dart and of the Dart in several species of North American Pneumobranchiate Mollusks: by Dr. JOSEPH LEIDY.	
ii	59		
Dec.	1845.	<b>Dr. A. A. Gould.</b> —Notes on—	
ii	81	<b>Pholas costata.</b>	New Bedford.
ii	82	<b>truncata.</b>	New Bedford.
ii	83	<b>Lottia, Patelloidea, &amp;c.</b>	
July,	1846.	<b>Binney.</b> —Remarks on the Land Shells found in the Post-pleiocene of the West, with a list of species: by Dr. AMOS BINNEY.	
ii	126		
		Name.	Name.
ii	130	<b>Helix albolabris.</b>	<b>Helix ligera.</b>
ii	130	<b>alternata.</b>	<b>monodon.</b>
ii	130	<b>concava.</b>	<b>palliat.</b>
ii	130	<b>elevata.</b>	<b>perspectiva.</b>
ii	130	<b>exoleta.</b>	<b>profunda.</b>
ii	130	<b>gularis.</b>	<b>thyroidus.</b>
ii	130	<b>hirsuta.</b>	<b>Helicina orbiculata.</b>
ii	130	<b>inornata.</b>	<b>Succinea obliqua.</b>
ii	130	<b>inflecta.</b>	
		Name.	Locality.
ii	142	<b>Chiton lignosus</b> <i>Gould.</i>	Puget Sound.
ii	145	<b>dentiens</b> <i>Gould.</i>	Puget Sound.
ii	145	<b>muscosus</b> <i>Gould.</i>	Puget Sound.
ii	149	<b>Patella fimbriata</b> <i>Gould.</i>	Straits of de Fuca.
ii	150	<b>instabilis</b> <i>Gould.</i>	Puget Sound.
ii	151	<b>conica</b> <i>Gould.</i>	Puget Sound.
ii	151	<b>Lottia pintadina</b> <i>Gould.</i>	Puget So., Straits of de Fuca, m. Columbia r.

<sup>1</sup> The shells described in the Proceedings from the Wilkes Exploring Expedition were also published in pamphlet form, with separate folios, as "The Expedition Shells."—W. G. B.

[Proceedings of the Boston Society of Natural History—*continued.*]

Vol.	Page.	Name.	Locality.
ii	152	<b>Patella (Lottia?) textilis</b> <i>Gould.</i>	Straits of de Fuca, &c.
ii	152	<b>scabra</b> <i>Gould.</i>	San Francisco.
Aug.	1848.		
ii	155	<b>Fissurella cratitia</b> <i>Gould.</i>	Puget Sound.
ii	159	<b>Rimula cucullata</b> <i>Gould.</i>	Puget Sound.
ii	159	<b>galeata</b> <i>Gould.</i>	Puget Sound.
ii	160	<b>Crepidula rostriformis</b> <i>Gould.</i>	Straits of de Fuca.
ii	160	<b>lingulata</b> <i>Gould.</i>	Puget Sound.
ii	161	<b>Calyptræa fastigiata</b> <i>Gould.</i>	Puget Sound.
ii	165	<b>Helix labiosa</b> <i>Gould.</i>	Astoria, Oregon.
ii	165	<b>loricata</b> <i>Gould.</i>	California.
ii	165	<b>devia</b> <i>Gould.</i>	Oregon.
ii	166	<b>strigosa</b> <i>Gould.</i>	Oregon.
ii	167	<b>sporella</b> <i>Gould.</i>	Puget Sound.
Nov.	1848.		
ii	187	<b>Succinea rusticana</b> <i>Gould.</i>	Oregon.
June,	1847.		
ii	211	<b>Limnæa lepida</b> <i>Gould.</i>	Lake Vancouver.
ii	212	<b>Planorbis opercularis</b> <i>Gould.</i>	Sacramento river.
ii	212	<b>vermicularis</b> <i>Gould.</i>	Oregon.
ii	215	<b>Physa virginea</b> <i>Gould.</i>	Sacramento river.
ii	224	<b>Melania silicula</b> <i>Gould.</i>	Nisqually, Oregon.
July,	1847.		
ii	225	<b>Melania bulbosa</b> <i>Gould.</i>	Columbia river.
ii	239	<b>Natica Lewisii</b> <i>Gould.</i>	Puget Sound.
ii	239	<b>caurina</b> <i>Gould.</i>	Straits of de Fuca.
Dec.	1847.		
ii	252	<b>Littorina cincta</b> <i>Gould.</i> [Case.]	Puget Sound.
ii	259	Notes on <b>Planorbis multivolvis</b>	
ii	263	<b>Physa vinosa</b> <i>Gld.</i> (with wood-cut).	Lake Superior.
ii	263	<b>Pupa decora</b> <i>Gld.</i> (with wood-cut).	Lake Superior.
ii	263	<b>Natica fossata</b> <i>Gould.</i>	Florida.
	1848.		
iii	9	<b>Bulla solitaria.</b> Quoted from	Plymouth beach.
June,	1848.		
iii	37	<b>Succinea luteola</b> <i>Gould.</i>	Texas.
iii	38	<b>concordialis</b> <i>Gould.</i>	Lake Concordia.
iii	38	<b>Helix selenina</b> <i>Gould.</i>	Georgia and Florida.
iii	38	<b>rotula</b> <i>Gould.</i>	Tennessee.
iii	38	<b>maxillata</b> <i>Gould.</i>	Tennessee.
iii	39	<b>leporina</b> <i>Gould.</i>	Mississippi and Ark.
iii	39	<b>vultuosa</b> <i>Gould.</i>	Arkansas and Texas.
iii	40	<b>bucculenta</b> <i>Gould.</i>	Georgia to Texas.
iii	40	<b>abjecta</b> <i>Gould.</i>	Southwestern States.
iii	40	<b>Pupa variolosa</b> <i>Gould.</i>	Florida.
iii	40	<b>modica</b> <i>Gould.</i>	Florida.
iii	40	<b>Cylindrella pontifica</b> <i>Gould.</i>	
iii	41	<b>jejuna</b> <i>Gould.</i>	Florida.
Oct.	1848.		
iii	64	<b>Glandina bullata</b> <i>Gould.</i>	Louisiana.
iii	64	<b>Limnea lanceata</b> <i>Gould.</i>	Lake Superior.
Nov.	1848.		
iii	75	<b>Lacuna carinata</b> <i>Gould.</i>	Puget Sound.

[Proceedings of the Boston Society of Natural History—continued.]

Vol.	Page.	Name.	Locality.
Mar.	1849.		
iii	83	<i>Littorina patula</i> Gould.	San Francisco.
iii	83	<i>lepida</i> Gould.	Puget Sound.
iii	83	<i>scutulata</i> Gould.	Puget Sound.
iii	84	<i>plena</i> Gould.	San Francisco.
iii	91	<i>Trochus ligatus</i> Gould.	Puget Sound.
May,	1849.		
iii	118	<b>Cerithium (Potamis) sacratum</b>	Sacramento river.
iii	120	<i>filosum</i> Gould. [Gould.]	Puget Sound.
iii	141	<i>Fusus fidicula</i> Gould.	Puget Sound.
iii	142	<i>orpheus</i> Gould.	Puget Sound.
Jan.	1850.		[bia river.
iii	152	<i>Buccinum fossatum</i> Gould.	Puget S., m. of Colum-
iii	155	<i>Nassa mendica</i> Gould.	Puget S. & Nisqually.
iii	170	<i>Columbella gausapata</i> Gould.	Puget Sound.
		<b>William Stimpson.</b> —Description of—	
iii	175	<i>Helix exigua</i> Stimpson.	Boston, Salem.
Mar.	1850.	<b>Dr. A. A. Gould.</b> —Notes on—	
iii	181	<i>Limnæa catascopium.</i>	
iii	181	<i>pinguis.</i>	
iii	181	<i>emarginata.</i>	
iii	181	<i>Helix hortensis.</i>	
		<b>Prof. L. Agassiz.</b> —Notes on—	
iii	191	<i>Doris diademata</i> Agassiz.	
iii	191	<i>coronata</i> Agassiz.	
iii	191	<i>tenella</i> Agassiz.	
iii	191	<i>pallida</i> Agassiz.	
iii	191	<i>Placobranchus.</i>	
iii	191	<i>Canthopsis Havardiensis</i> Agassiz.	
iii	191	<i>Actæon.</i>	Charles river.
iii	191	<i>Melibæa arbuscula.</i>	Gay Head.
May,	1850.	<b>Dr. A. A. Gould.</b> —Descriptions of—	
iii	214	<i>Solen sicarius</i> Gould.	Straits of de Fuca.
iii	215	<i>Panopæa generosa</i> Gould.	Puget Sound.
iii	215	<i>Mya præcisâ</i> Gould.	Puget Sound.
iii	216	<i>Mactra falcata</i> Gould.	Puget Sound.
iii	217	<i>Lutraria capax</i> Gould.	Puget Sound.
iii	217	<i>Osteodesma bracteata</i> Gould.	Puget Sound.
iii	237	<b>Prof. Agassiz.</b> —Notes on Breathing Organs of Mollusks.	
iii	239	<b>Mr. Girard.</b> —On Ovum of Ascidia.	
July,	1850.	<b>Dr. A. A. Gould.</b> —Descriptions of—	
iii	276	<i>Cardita ventricosa</i> Gould.	Puget Sound.
iii	276	<i>Cardium blandum</i> Gould.	Puget Sound.
iii	277	<i>Venus rigida</i> Gould.	Straits of de Fuca.

[Proceedings of the Boston Society of Natural History—continued.]

Vol.	Page.	Name.	Locality.
Nov.	1850.		
iii	292	<i>Cyclas patella</i> Gould.	Oregon.
iii	293	<i>Anodon feminalis</i> Gould.	Oregon. [couver.
iii	294	<i>cognata</i> Gould.	Nisqually & Fort Van-
iii	294	<i>Alasmodon falcata</i> Gould.	Wallawalla and Sacra-
iii	294	<i>Unio famelicus</i> Gould.	Wallawalla. [mento.
iii	301	<b>Prof. L. Agassiz.</b> —On <i>Unio</i> , <i>Cyclas</i> , &c.	
Dec.	1850.	<b>William Stimpson</b> presented—	
iii	330	<i>Lucina borealis</i> .	Point Shirley, Mass.
		Described—	
iii	333	<i>Philine sinuata</i> Stimpson.	Massachusetts Bay.
iii	334	<i>formosa</i> Stimpson.	New England.
		<b>Dr. A. A. Gould</b> described—	
iii	343	<i>Mytilus (Modiola) flabellatus</i>	Puget Sound.
iii	344	<i>trossulus</i> Gould. [Gould.	Puget Sound.
iii	345	<i>Pecten caurinus</i> Gould.	Port Townsend, Oreg.
iii	345	<i>hericius</i> Gould.	Straits of de Fuca.
iii	347	<i>Terebratula caurina</i> Gould.	Puget Sound.
iii	347	<i>pulvinata</i> Gould.	Puget Sound.
iii	356	<b>Prof. L. Agassiz.</b> —Remarks on Generic Characters of <i>Naiades</i> .	
		<b>J. G. Anthony</b> (or <b>Dr. Gould?</b> ).—Descriptions of—	
iii	360	<i>Melania nucleola</i> .	Tennessee.
iii	360	<i>densa</i> .	Maury's creek, Tenn.
iii	360	<i>abbreviata</i> .	Maury's creek, Tenn.
iii	360	<i>inornata</i> .	Lorain Co., Ohio.
iii	361	<i>pulchella</i> .	
iii	361	<i>tracta</i> .	Ohio.
iii	361	<i>bicolorata</i> .	Camp creek, Ind.
iii	361	<i>brevispira</i> .	Ohio.
iii	361	<i>coracina</i> .	Cany Fork, Tenn.
iii	361	<i>elata</i> .	Maumee river, Ohio.
iii	361	<i>napella</i> .	Ohio.
iii	362	<i>cuspidata</i> .	Maumee river.
iii	362	<i>inempta</i> .	Virginia.
iii	362	<i>piebelus</i> .	Saline Co., Ark.
iii	363	<i>succinulata</i> .	Ohio.
iii	363	<i>robulina</i> .	Cumberland r., Tenn.
June,	1851.	<b>William Stimpson.</b> —Descriptions of—	
iv	8	<i>Thracia Couthouyi</i> Stimpson.	Massachusetts Bay.
iv	8	<i>Spirialis Gouldii</i> Stimpson.	New England.
		Notes on—	
iv	13	<i>Thracia truncata</i> Michels.	Massachusetts.
iv	13	<i>Couthouyi</i> Stimpson.	Massachusetts.

[Proceedings of the Boston Society of Natural History—*continued.*]

Vol.	Page.	Name.	Locality.
iv	13	<b>Cardium Groenlandicum</b> Chemn.	Cape Cod Bay.
iv	13	<b>Nucula delphinodonta</b> Mighels.	Massachusetts.
iv	14	<b>Spirialis Gouldii</b> Stimpson.	New England.
iv	14	<b>Calyptrea striata</b> Say.	St. George's Bank.
iv	14	<b>Adeorbis costulata</b> Stimpson. <i>Margarita costulata</i> Müll. <i>minutissima</i> Mighels.	Cape Ann.
iv	14	<b>Rissoa eburnea</b> St. (description.)	Cape Ann. [hant.
iv	14	<b>multilineata</b> St. (description.)	Great Misery isl., Na-
iv	15	<b>Mighelsii</b> Stimpson. [ton.	Massachusetts Bay.
		<i>Cingula arenaria</i> Migh., non Tur-	
iv	15	<b>exarata</b> Stimp. (description.)	Boston harbor.
iv	15	<b>pelagica</b> Stimpson. <i>Cingula semicostata</i> Mighels.	Cape Ann.
iv	15	<b>Turritella acicula</b> Stimp. (descrip.)	Massachusetts.
iv	16	<b>areolata</b> Stimpson. (descrip.)	Cape Ann.
iv	16	<b>Cerithium Greenii</b> Adams.	Charles river.
iv	16	<b>Chemnitzia modesta</b> St. (descrip.)	St. George's bank.
iv	16	<b>interrupta</b> Stimpson. <i>Turritella interrupta</i> Totten.	Boston.
iv	16	<b>seminuda</b> Stimpson. <i>Odostomia seminuda</i> Adams.	Boston.
July,	1851.		
iv	17	<b>Pleurotoma violacea</b> Ad. & Migh.	Salem and Boston.
iv	17	<b>Natica flava</b> Gould.	Massachusetts Bay.
iv	17	<b>Philine sinuata</b> Stimpson.	Boston harbor.
iv	17	<b>formosa</b> Stimpson.	Massachusetts Bay.
iv	17	<b>Bulla puncto-striata</b> Mighels.	Cape Ann.
iv	18	<b>pertenuis</b> Mighels.	Point Shirley.
iv	18	<b>canaliculata</b> Gould. <i>B. obstricta</i> Gould.	Boston harbor.
iv	26	<b>Leda thraciaciformis</b> Storer = <b>Nucula</b> <b>navicularis</b> Couth.	
iv	27	<b>Dr. A. A. Gould.</b> —Notes on California Shells.	
iv	30	<b>Charles Girard.</b> —Notes on Organs of Vision and Nervous System of Ascidia.	
Aug.	1851.		
		<b>William Stimpson.</b>	
iv	49	<b>Pelonaia arenifera</b> Stimpson.	Boston harbor.
		<b>Temple Prime.</b> —Description of—	
iv	68	<b>Pisidium ventricosum</b> Prime.	Massachusetts.
Nov.	1851.		
		<b>Dr. A. A. Gould.</b> —Descriptions of—	
iv	87	<b>Pholas ovoidea</b> Gould.	Monterey.
iv	88	<b>Petricola bulbosa</b> Gould.	Guaymas.
iv	88	<b>Maetra nasuta</b> Gould.	Mazatlan, San Pedro.
iv	88	<b>mendica</b> Gould.	Mazatlan.
iv	89	<b>Lutraria undulata</b> Gould.	La Paz, Lower Cal.
iv	89	<b>ventricosa</b> Gould.	Mazatlan.



[Proceedings of the Boston Society of Natural History—continued.]

Vol.	Page.	Name.	Locality.
iv	89	<b>Amphidesma flavescens</b> <i>Gould.</i>	San Diego.
iv	90	<b>Donax obesus</b> <i>Gould.</i>	San Diego.
iv	90	<b>Tellina miniata</b> <i>Gould.</i>	San Juan.
iv	90	<b>Lucina orbella</b> <i>Gould.</i>	San Diego.
iv	91	<b>Tellina (Strigilla) fucata</b> <i>Gould.</i> <i>T. carnaria.</i>	
iv	91	<b>Arthemis saccata</b> <i>Gould.</i>	Mazatlan?
iv	91	<b>Cardium luteolabrum</b> <i>Gould.</i>	San Diego.
iv	92	<b>Mytilus glomeratus</b> <i>Gould.</i>	San Francisco.
iv	92	<b>Anodon ciconia</b> <i>Gould.</i>	Mexico?
iv	92	<b>Lithodomus falcatus</b> <i>Gould.</i>	Monterey.
iv	93	<b>Lima tetrica</b> <i>Gould.</i>	La Paz.
iv	93	<b>Avicula sterna</b> <i>Gould.</i>	Mazatlan.
iv	95	<b>Stimpson.</b> —Remarks on the Mollusca, &c., of the Bay of Fundy: by WILLIAM STIMPSON.	
iv	100	<b>Dr. A. A. Gould.</b> —Notes on Land Shells.	
Dec.	1851.	<b>William Stimpson.</b> —Descriptions of—	
iv	112	<b>Cæcum nitidum</b> <i>Stimpson.</i>	Florida.
iv	112	<b>Floridanum</b> <i>Stimpson.</i>	Florida.
iv	112	<b>pulchellum</b> <i>Stimpson.</i>	Buzzard's Bay.
iv	113	<b>Leda obesa</b> <i>Stimpson.</i>	New England.
iv	113	<b>Teredo dilatata</b> <i>Stimpson.</i>	Lynn.
iv	114	<b>Dentalium striolatum</b> <i>Stimpson.</i> <i>D. entale</i> Mighels.	Bay of Fundy.
iv	114	<b>Chemnitzia dealbata</b> <i>Stimpson.</i>	Boston.
iv	114	<b>nivea</b> <i>Stimpson.</i>	Grand Manan.
iv	114	<b>Columbella dissimilis</b> <i>Stimpson.</i>	Bay of Fundy.
		<b>Wm. Stimpson &amp; Lieut. J. D. Kurtz.</b> —Descriptions of—	
iv	114	<b>Rissoa pupoidea</b> <i>Kurtz &amp; Stimp.</i>	South Carolina.
iv	115	<b>Chemnitzia spirata</b> <i>Kurtz &amp; Stimp.</i>	North Carolina.
iv	115	<b>Eulima conoidea</b> <i>Kurtz &amp; Stimp.</i>	N. and S. Carolina.
iv	115	<b>oleacea</b> <i>Kurtz &amp; Stimp.</i>	Buzzard's Bay.
iv	115	<b>Mangelia rubella</b> <i>Kurtz &amp; Stimp.</i>	Carolina.
iv	115	<b>Pleurotoma cerinum</b> <i>Kurtz &amp; Stimp.</i>	Buzzard's Bay & S. C.
		<b>T. J. Whittemore.</b> —Notes on—	
iv	125	<b>Cyclas rhomboidea</b> DeKay = <b>C. elegans.</b>	Cambridge.
iv	125	<b>truncata.</b>	Cambridge.
iv	125	<b>similis.</b>	Cambridge.
iv	126	<b>dubia.</b>	
Mar.	1852.	<b>Temple Prime.</b> —Descriptions of Cycladidæ.	
iv	155	<b>Cyclas albula</b> <i>Prime.</i>	Lake Superior.
iv	155	<b>acuminata</b> <i>Prime.</i>	Lake Superior.
iv	155	<b>rosacea</b> <i>Prime.</i>	Pennsylvania.
iv	155	<b>detruncata</b> <i>Prime.</i>	Pennsylvania.
iv	155	<b>flava</b> <i>Prime.</i>	Lake Superior.

[Proceedings of the Boston Society of Natural History—*continued.*]

Vol.	Page.	Name.	Locality.
iv	156	<b>Cyclas emarginata</b> <i>Prime.</i>	Lake Superior.
iv	156	<i>gracilis Prime.</i>	Ohio.
iv	156	<i>tenuistriata Prime.</i>	Tennessee.
		<i>C. cornea Adams.</i>	
iv	157	<i>mirabilis Prime.</i>	Georgia.
iv	157	<i>Jayensis Prime.</i>	Lake Superior.
iv	157	<i>gigantea Prime.</i>	Pennsylvania.
iv	157	<i>ponderosa Prime.</i>	Lake Superior.
iv	158	<i>solidula Prime.</i>	Ohio.
iv	158	<i>distorta Prime.</i>	Lake Superior.
iv	159	<i>aurea Prime.</i>	Lake Superior
iv	159	<i>inornata Prime.</i>	Illinois.
iv	159	<i>simplex Prime.</i>	Illinois.
iv	159	<i>modesta Prime.</i>	Pennsylvania.
iv	159	<i>fabalis Prime.</i>	Lake Superior.
iv	159	<i>castanea Prime.</i>	Wabash river.
iv	160	<i>securis Prime.</i>	Massachusetts.
iv	160	<i>cardissa Prime.</i>	Massachusetts.
iv	161	<i>cœrulea Prime.</i>	Massachusetts.
iv	161	<i>tenuis Prime.</i>	Massachusetts.
iv	161	<b>Pisidium obscurum</b> <i>Prime.</i>	Ohio.
iv	162	<i>ferrugineum Prime.</i>	Massachusetts.
iv	162	<i>Kurtzii Prime.</i>	South Carolina
iv	162	<i>zonatum Prime.</i>	Massachusetts.
iv	163	<i>rubellum Prime.</i>	Lake Superior.
iv	163	<i>variabile Prime.</i>	Massachusetts.
iv	164	<i>compressum Prime.</i>	Massachusetts.
iv	164	<i>rotundatum Prime.</i>	Lake Superior
List of Massachusetts Cycladidæ:—			
		Name.	Name.
iv	164	<b>Cyclas cardissa</b> <i>Prime.</i>	iv 165 <b>Cyclas truncata</b> <i>Linsley.</i>
iv	164	<i>cœrulea Prime.</i>	iv 165 <i>tenuis Prime.</i>
iv	165	<i>elegans Adams.</i>	iv 165 <b>Pisidium compressum</b>
iv	165	<i>minor Adams.</i>	iv 165 <i>dubium Gld. [Prime.</i>
iv	165	<i>nitida Adams.</i>	iv 165 <i>ferrugineum Prime.</i>
iv	165	<i>partumeia Say.</i>	iv 165 <i>variabile Prime.</i>
iv	165	<i>securis Prime.</i>	iv 165 <i>ventricosum Prime.</i>
iv	165	<i>similis Say.</i>	iv 165 <i>zonatum Prime.</i>
iv	165	<b>E. Desor.</b> —Remarks on the Embryology of Eolis and Doris.	
Nov.	1852.	<b>William Stimpson.</b> —Descriptions of—	
		Name.	Locality.
iv	228	<b>Ascidia callosa</b> <i>Stimpson.</i>	Passamaquoddy Bay.
iv	228	<i>tenella Stimpson.</i>	Grand Manan.
iv	229	<i>geometrica Stimpson.</i>	Grand Manan.
iv	229	<b>Molgula sordida</b> <i>Stimpson.</i>	Charleston, S. C.
iv	229	<i>producta Stimpson.</i>	Boston Bay.
iv	230	<i>arenata Stimpson.</i>	Nantucket & Martha's
iv	230	<b>Glandula</b> <i>Stimpson (n. g.)</i>	[Vineyard.
iv	230	<i>fibrosa Stimpson.</i>	Grand Manan.
iv	230	<i>mollis Stimpson.</i>	Grand Manan.

[Proceedings of the Boston Society of Natural History—continued.]

Vol.	Page	Name.	Locality.
iv	230	<b>Cynthia vittata</b> <i>Stimpson.</i>	Smithville, N. C.
iv	231	<i>partita</i> <i>Stimpson.</i>	Boston harbor.
iv	231	<i>subcærulea</i> <i>Stimpson.</i>	Oak Isl. beach, N. C.
iv	231	<i>gutta</i> <i>Stimpson.</i>	Boston harbor.
iv	232	<b>Pera</b> <i>Stimpson</i> (n. g.)	
iv	232	<i>pellucida</i> <i>Stimpson.</i>	St. George's banks.
iv	232	<i>Boltenia rubra</i> <i>Stimpson.</i>	Mass. Bay, Gr. Manan, Bay of Fundy.
Dec.	1852.	<b>Dr. W. I. Burnett.</b> —Notes on the Coloration of—	
iv	252	<b>Loligo illecebrosa.</b>	
Mar.	1853.	<b>Prime.</b> —Notes on the species of <i>Cyclas</i> found in the United States; with descriptions and wood-cuts: by TEMPLE PRIME.	
iv	271	<b>Cyclas similis</b> <i>Say.</i>	
iv	271	<i>edentula</i> <i>Say.</i>	
iv	271	<i>lasmampsis</i> <i>Raf.</i>	
iv	272	<i>rhomboidea</i> <i>Say.</i>	Mass., N. Y., Vt., Ohio.
		<i>C. elegans</i> Adams.	
iv	272	<i>tenuistriata</i> <i>Prime.</i>	Tennessee, Alabama.
		<i>C. cornea</i> Adams.	
Apr.	1853.		
iv	273	<i>fabalis</i> <i>Prime.</i>	Lake Superior, Tenn.
iv	273	<i>castanea</i> <i>Prime.</i>	O., La., Tenn, N. Y., Va.
iv	273	<i>detruncata</i> <i>Prime.</i>	Schuykill river.
iv	274	<i>gracilis</i> <i>Prime.</i>	Ohio.
iv	274	<i>constricta</i> <i>Anthony.</i>	Ohio.
iv	274	<i>transversa</i> <i>Say.</i>	Ky., Ohio, Ark., N. Y.
iv	275	<i>sphærica</i> <i>Anthony</i> (wood-cut).	Ohio.
iv	276	<i>ovalis</i> <i>Prime.</i>	N. Y., Ohio.
iv	276	<i>securis</i> <i>Prime.</i>	Mass., Vermont.
iv	277	<i>rosacea</i> <i>Prime.</i>	Schuykill river.
iv	277	<i>cardissa</i> <i>Prime.</i>	Massachusetts.
iv	277	<i>pellucida</i> <i>Prime.</i>	Vt., Me., Cal., N. Y.
		<i>C. calyculata</i> Adams, nec Dr.	
iv	278	<i>partumeia</i> <i>Say.</i>	Me., Vt., Mass., Conn., N. J., Penn., N. Y., Ohio, S. C., Ga.
		<i>C. cornea</i> Lam. (var.)	
		<i>orbicularis</i> Barrett.	
		<i>mirabilis</i> <i>Prime.</i>	
		<i>cærulea</i> <i>Prime.</i>	
iv	279	<i>Jayensis</i> <i>Prime.</i>	Lake Superior.
iv	279	<i>eburnea</i> <i>Anthony.</i>	Arkansas.
iv	280	<i>dentata</i> <i>Hald.</i>	Oregon.
iv	280	<i>elevata</i> <i>Hald.</i>	New Orleans.
iv	281	<i>furcata</i> <i>Raf.</i> in Phila. Ac. Coll.	Ohio?
iv	281	<i>staminea</i> <i>Conrad.</i>	Alabama.
iv	282	<i>solidula</i> <i>Prime.</i>	Virginia, Ohio.
iv	282	<i>gigantea</i> <i>Prime.</i>	Pennsylvania, N. Y.
iv	282	<i>ponderosa</i> <i>Prime.</i>	Lake Superior.
iv	283	<i>aurea</i> <i>Prime.</i>	Lake Superior.
iv	283	<i>acuminata</i> <i>Prime.</i>	Lake Superior, Ohio.
		<i>C. albulæ</i> <i>Prime.</i>	

[Proceedings of the Boston Society of Natural History—continued.]

Vol.	Page.	Name.	Locality.
iv	283	<b>Cyclas emarginata</b> <i>Prime.</i>	Lake Superior.
iv	283	<i>bulbosa</i> <i>Anthony, MS.</i>	Arkansas.
iv	284	<i>flava</i> <i>Prime.</i>	Sault Ste. Marie.
iv	284	<i>modesta</i> <i>Prime.</i>	New York, Penn.
iv	284	<i>simplex</i> <i>Prime.</i>	Fox river, Illinois.
iv	285	<i>inornata</i> <i>Prime.</i>	Illinois.
iv	285	<i>distorta</i> <i>Prime.</i>	Ohio, Maryland.
iv	285	<i>tenuis</i> <i>Prime.</i>	Mass. ? Maine.
iv	285	<i>patella</i> <i>Gould.</i>	Oregon.
Apr.	1854.	<b>Dr. W. I. Burnett.</b> —On the Development of Mollusks	
iv	371	in Holothuridæ.	
Oct.	1854.	<b>Dr. James Lewis.</b> —Description of—	
v	25	<b>Cyclas crocea</b> <i>Lewis.</i>	Otsego and Herkimer Counties, N. Y.
		Notes on—	
v	27	<b>Lymnæa catascopium.</b>	
v	39	<b>T. J. Whittemore.</b> —Notes on <i>Lymnæa</i> and <i>Planorbis.</i>	
		<b>Dr. James Lewis.</b> —Notes on—	
v	52	<b>Paludina decisa.</b>	
Dec.	1854.	<b>Charles Girard.</b> —Description of—	
v	89	<b>Placobranchus simplex</b> <i>Girard.</i>	[Chelsea beach, Mass.
Feb.	1855.	<b>William Stimpson.</b> —Description and notes on—	
v	111	<b>Lepton longipes</b> <i>Stimpson.</i>	
		<b>Dr. James Lewis.</b> —Notes on—	
v	121	<b>Alasmodon marginata</b> <i>Say.</i>	Mohawk, N. Y.
v	121	<i>truncata</i> <i>Say.</i>	
v	121	<b>Physa elongata</b> <i>Say.</i>	Mohawk, N. Y.
v	121	<i>ancillaria</i> <i>Say.</i>	Mohawk, N. Y.
v	122	<i>elongatina</i> <i>Lewis.</i>	Mohawk, N. Y.
v	122	Remarks on <i>Cyclas</i> and <i>Lymnea.</i>	
v	122	<b>Cyclas</b> —three groups of.	
v	122	<b>Lymnæa catascopium.</b>	} Are iden- Mohawk, N. Y. Mohawk, N. Y. Mohawk, N. Y.
v	123	<i>elodes.</i>	
v	124	<i>emarginata.</i>	
		<b>Dr A. A. Gould.</b> —Descriptions of—	
v	127	<b>Pedicularia decussata</b> <i>Gould.</i>	Georgia and Florida.
v	127	<b>Helix æruginosa</b> <i>Gould.</i>	San Francisco.
v	127	<i>infumata</i> <i>Gould.</i>	San Francisco.
v	128	<b>Physa bullata</b> <i>Gould.</i>	Oregon. [river.
v	128	<i>humerosa</i> <i>Gould.</i>	Colorado desert, Pecos
v	128	<i>virgata</i> <i>Gould.</i>	Gila riv. & San Diego.
Mar.	1855.		
v	129	<b>Planorbis ammon</b> <i>Gould.</i>	Cienaga Grande.

[Proceedings of the Boston Society of Natural History—continued.]

Vol.	Page.	Name.	Locality.
v	129	<i>Planorbis gracilentus</i> Gould.	Grand Colorado desert.
v	129	<i>Amnicola protea</i> Gould.	Grand Jornarda.
v	130	<i>longinqua</i> Gould.	Cienaga Grande.
Oct.	1855.		
v	228	<i>Unio bracteatus</i> Gould.	Llanos river, Texas.
v	228	<i>petrinus</i> Gould.	Llanos river, Texas.
v	229	<i>manubius</i> Gould.	Chihuahua.
v	229	<i>Anodon horda</i> Gould.	Camanche creek, Tex.
v	229	<i>Cyclas nobilis</i> Gould.	San Pedro, Cal.
Dec.	1855.	<b>Dr. H. R. Storer.</b> —Notes on—	
v	268	<i>Ostrea Virginiana.</i>	Charles river, Boston.
Feb.	1856.	<b>Dr. James Lewis.</b> —Notes on—	
v	296	<i>Paludina integra</i> Say.	Mohawk, N. Y.
v	296	<i>decisa</i> Say.	Mohawk, N. Y.
v	296	<i>rufa</i> Hald.	Mohawk, N. Y.
v	296	<i>ponderosa</i> Say.	Mohawk, N. Y.
v	296	<i>Limnæa gracilis</i> Jay.	Mohawk, N. Y.
v	296	<i>Anodonta fluviatilis</i> Lea.	Mohawk, N. Y.
v	297	<i>Cyclas edentula</i> Say.	Mohawk, N. Y.
		<i>C. rhomboidea</i> Adams, Linsley.	
		<i>Linsleyi</i> Prime.	
		<i>modesta</i> Prime.	
		<i>rugosa</i> Whittemore?	
v	298	<i>Physa glabra</i> De Kay.	Mohawk, N. Y.
v	298	<i>elongata</i> Say.	Mohawk, N. Y.
v	298	<i>elongatina</i> Lewis.	Mohawk, N. Y.
Oct.	1856.	<b>Lewis.</b> —List of Shell-bearing Mollusca observed in portions of Herkimer and Otsego Counties, N. Y.: by Dr. J. LEWIS. (With notes.)	

Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	2	<i>Unio complanatus</i> Lea.	vi	2	<i>Cyclas occidentalis</i> Pr.
vi	2	<i>cariosus</i> Say.			<i>C. ovalis</i> Prime.
vi	2	<i>luteolus</i> Lam.	vi	2	<i>ovata</i> Lewis, ined.
vi	2	<i>ochraceus</i> Say.	vi	2	<i>crocea</i> Lewis.
vi	2	<i>radiatus</i> Lam.	vi	2	<i>Pisidium dubium</i> Gould.
vi	2	<i>Alasmodon rugosa</i> Barn.	vi	2	<i>abditum</i> Hald.
vi	2	<i>marginata</i> Say.	vi	2	<i>zonatum</i> Prime.
vi	2	<i>undulata</i> Say.	vi	2	<i>variabile</i> Prime.
vi	2	<i>Anodon fluviatilis</i> Lea.	vi	2	<i>compressum</i> Prime.
vi	2	— n. s.	vi	2	<i>altile</i> Nutt.?
vi	2	<i>Lewisii</i> Lea.	vi	2	<i>ventricosum</i> Prime.
vi	2	<i>edentula</i> Say.	vi	2	<i>Paludina integra</i> Say.
vi	2	<i>Ferussaciana</i> Lea.	vi	2	<i>decisa</i> Say.
vi	2	<i>imbecilis</i> Say.	vi	2	<i>rufa</i> Hald.
vi	2	<i>subcylindracea</i> Lea.	vi	2	<i>Melania acuta</i> Lea.
vi	2	<i>Cyclas similis</i> Say.	vi	2	— ?
vi	2	<i>modesta</i> Prime.	vi	2	<i>Amnicola lustrica</i> Hald.
vi	2	<i>transversa</i> Say.	vi	2	<i>pallida</i> Hald.
vi	2	<i>partumeia</i> Say.	vi	2	<i>limosa</i> Hald.

[Proceedings of the Boston Society of Natural History—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	2	<i>Valvata tricarinata</i> Say.	vi	3	<i>Helix hydrophila</i> In.
vi	2	<i>bicarinata</i> Lea.	vi	3	<i>indentata</i> Say.
vi	2	<i>sincera</i> Say.	vi	3	<i>intertexta</i> Binney.
vi	2	<i>Limnæa elodes</i> Say.	vi	3	<i>lineata</i> Say.
vi	2	<i>desidiosa</i> Say.	vi	3	<i>lucubrata</i> Say.
vi	2	<i>humilis</i> Say.	vi	3	<i>minuta</i> Say.
vi	2	<i>umbilicata</i> Adams.	vi	3	<i>monodon</i> Rack.
vi	2	<i>gracilis</i> Jay.	vi	3	<i>palliat</i> Say.
vi	2	<i>columella</i> Say.	vi	3	<i>Sayii</i> Binney.
vi	3	<i>Physa heterostropha</i> S.	vi	3	<i>striatella</i> Anthony.
vi	3	<i>integra</i> Hald.?	vi	3	<i>thyroidus</i> Say.
vi	3	<i>elongata</i> Say.	vi	3	<i>Succinea obliqua</i> Say.
vi	3	<i>Planorbis trivolvis</i> Say.	vi	3	? <i>campestris</i> De Kay.
vi	3	<i>bicarinatus</i> Say.	vi	3	<i>vermetus</i> Say.
vi	3	<i>armigerus</i> Say.	vi	3	<i>avara</i> Say.
vi	3	<i>deflectus</i> Say.	vi	3	<i>ovalis</i> Say.
vi	3	<i>hirsutus</i> Say.	vi	3	————?
vi	3	<i>parvus</i> Say.	vi	3	<i>Bulimus lubricus</i> Br.
vi	3	<i>campanulatus</i> Say.	vi	3	<i>Pupa modesta</i> Say.
vi	3	<i>Ancylus rivularis</i> Say.	vi	3	<i>exigua</i> Say.
vi	3	————?	vi	3	<i>contracta</i> Say.
vi	3	<i>Helix albolabris</i> Say.	vi	3	<i>miliun</i> G.
vi	3	<i>alternata</i> Say.			
vi	3	<i>arborea</i> Say.	vi	3	Notes on <i>Cyclas edentula</i> .
vi	3	<i>chersina</i> Say.	vi	3	<i>modesta</i> .
vi	3	<i>concava</i> Say.	vi	4	<i>Melania exilis</i> .
vi	3	<i>electrina</i> G.	vi	4	<i>Physa glabra</i> .
vi	3	<i>fallax</i> Say.	vi	4	<i>Helix rufa</i> .
vi	3	<i>fuliginosa</i> Gr.	vi	4	<i>inornata</i> .

**Dr. A. A. Gould.**—Descriptions of—

Vol.	Page.	Name.	Locality.
vi	11	<i>Helix ramentosa</i> Gould.	California.
vi	11	<i>damascenus</i> Gould.	Desert reg. E. of Cal.
vi	14	<i>Mitra Florida</i> Gould.	Florida?
vi	15	<i>Unio lepidus</i> Gould.	Lake Munroe, Fla.
vi	16	<i>coruscus</i> Gould.	Lake Beresford, Fla.
Jan.	1857.	<b>Weinland.</b> —Remarks on the Corrosion of the Shells of Fresh-water Clams: by Dr. WEINLAND.	
vi	57		
		<b>Dr. A. A. Gould.</b>	
vi	72	<i>Helix asteriscus</i> Morse? = <i>H. minutissima</i> Lea.	
Mar.	1857.	Notes on—	
vi	124	<i>Nucula thraciæformis</i> .	Japan.
		<b>E. S. Morse.</b> —Description of—	
vi	128	<i>Helix asteriscus</i> Morse.	Maine.
vi	128	<b>W. G. Binney.</b> —Notes on the Distribution of American Helices.	
Apr.	1857.		
vi	149	<b>Dr. Jas. Lewis.</b> —Notes on Erosion of Fluvial Shells.	

[Proceedings of the Boston Society of Natural History—*continued.*]

Vol.	Page.	Name.	Locality.
		<b>W. G. Binney.</b> —Descriptions of—	
vi	155	<i>Succinea lineata</i> <i>W. G. Binney.</i>	Fort Union.
vi	156	<i>Helix intercisa</i> <i>W. G. Binney.</i> <i>H. Nickliniana</i> var. <i>Binn. non Lea.</i>	California?
Nov.	1857.		
vi	258	<b>Dr. Weinland.</b> —On Erosion of Shells.	
Apr.	1858.	<b>William Stimpson.</b>	
vi	308	<i>Cochliolepis Stimpson</i> (n. g.)	
vi	308	<i>parasiticus Stimpson.</i>	Charleston, S. C.
Apr.	1859.	<b>E. S. Morse.</b> —Description of—	
vii	28	<i>Helix milium Morse.</i>	Portland, &c., Me.
July,	1859.	<b>Theodore Lyman.</b> —Notes on—	
vii	78	<i>Melampus bidentatus.</i>	West Yarmouth, Mass.
vii	78	<i>Crepidula fornicata.</i>	West Yarmouth, Mass.
vii	78	<i>Pecten concentricus.</i>	West Yarmouth, Mass.
vii	78	<i>Buccinum obsoletum.</i>	West Yarmouth, Mass.
vii	79	<i>Natica heros.</i>	West Yarmouth, Mass.
vii	79	<i>Pyrula canaliculata.</i>	West Yarmouth, Mass.
vii	79	<i>Mya arenaria.</i>	West Yarmouth, Mass.
Sept.	1859.	<b>T. J. Whittemore.</b> —Notes on Mohawk Shells.	
vii	151	<i>Lymnea gracilis, &amp;c.</i>	
Dec.	1859.	<b>Prof. L. Agassiz.</b> —Notes on—	
vii	166	<i>Unio ligamentinus</i> (reversed).	

**Conrad, Phillips, &c.**—In Proceedings of the Academy of Natural Sciences of Philadelphia, occur the following:—

Vol.	Page.	Name.	Locality.
May,	1841.	<b>Conrad.</b> —Descriptions of three new species of <i>Unio</i> : by T. A. CONRAD.	
i	19	<i>Unio perplicatus Conrad.</i>	Jackson, La.
i	19	<i>nodiferus Conrad.</i>	Jackson, La.
i	20	<i>parallelus Conrad.</i>	Jackson, La.
June,	1841.	<b>Phillips.</b> —Descriptions of two new species of the genus <i>Helix</i> : by J. S. PHILLIPS.	
i	27	<i>Helix bidentifera Phillips.</i>	North Carolina.
i	28	<i>lasmodon Phillips.</i>	Alabama.

[Proceedings of the Acad. of Nat. Sci. of Philad.—*continued.*]

Vol.	Pa.	Pl.	Fig.	Name.	Locality.
July,	1841			<b>Haldeman.</b> —Descriptions of four species of <i>Cyclas</i> , three of which belong to the subgenus <i>Pisidium</i> : by S. S. HALDEMAN.	
i	53			<i>Cyclas elevata</i> <i>Haldeman.</i>	
i	53			<i>Pisidium abruptum</i> <i>Haldeman.</i>	Elk river, Md.
i	53			<i>abditum</i> <i>Haldeman.</i>	Lancaster Co., Pa.
Sept.	1841			<b>Haldeman.</b> —Descriptions of two new Fresh-water Shells: by S. S. HALDEMAN.	
i	78			<i>Amnicola attenuata</i> <i>Haldeman.</i>	Montgomery Co., Va.
i	78			<i>Physa globosa</i> <i>Haldeman.</i>	Nolachucky river.
i	79			Notes on <i>Ancylus</i> .	
Oct.	1841			<b>Haldeman.</b> —Description of a new species of Fresh-water Shells: by S. S. HALDEMAN.	
i	103			<i>Cyclas (Pisidium) dentata</i> <i>Haldeman.</i>	Oregon.
i	103			<i>Pisidium abruptum</i> (of p. 53) = <i>P. dubium</i> <i>Say.</i>	
i	104			<i>Unio Tappanianus</i> <i>Lea</i> = <i>U. viridis</i> <i>Raf.</i>	
i	104			Introduction of Uniones into the Susquehanna.	
Dec.	1841			<b>J. S. Phillips.</b>	
i	133			<i>Helix bidentifera</i> <i>Phillips</i> = <i>H. barbula.</i>	Portugal, not North Carolina.
May,	1842			<b>S. S. Haldeman.</b> —Notes on Nomenclature of Uniones, &c.	
i	177				
Nov.	1842			<b>I. Lea.</b> —Notes on the same.	
i	215				
Mar.	1853			<b>J. G. Anthony.</b> —Note on <i>Melatoma</i> and <i>Apella scissura</i> <i>Mighels</i> ( <i>Schizostoma</i> ).	
i	251				
ii				<b>J. G. Anthony.</b> [Several lists of Ohio shells presented by Mr. ANTHONY are given in this volume. As no descriptions are added, I have not quoted them. In Dec. 1841 (vol. ii, p. 161), <i>Melania abjecta</i> <i>Hald.</i> and <i>Paludina subsolida</i> <i>Anth.</i> occur.—W. G. B.]	
Oct.	1845			<b>Leidy.</b> —List of recent Fresh-water Univalves found Fossil in White Pond, N. J.: by Dr. JOSEPH LEIDY.	
ii	281				
Feb.	1846			<b>Haldeman.</b> —Notice of introduction of Western Uniones into the Susquehanna: by S. S. HALDEMAN.	
iii	15				
iii	19			<b>Conrad.</b> —Descriptions of new species of Fossil and Recent Shells and Corals: by T. A. CONRAD.	
iii	23	i	1	<i>Cyrena Florida</i> <i>Conr.</i>	Tampa Bay.
iii	24	i	13	<i>Venus cuneimeris</i> <i>Conr.</i>	Tampa Bay.
iii	24	i	4	<i>Nucula eborea</i> <i>Conr.</i>	Keys of Tampa Bay.



[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Pa.	Pl.	Fig.	Name.	Locality.
iii	24	i	8	<b>Modiola papyria</b> <i>Conr.</i>	Tampa Bay.
iii	24	i	3	<b>Astarte flabella</b> <i>Conr.</i>	Tampa Bay, Egmont
iii	24	i	6	<b>triquetra</b> <i>Conr.</i>	Tampa Bay. [Key.
iii	24	i	7	<b>Osteodesma hyalina?</b>	Florida.
iii	24	i	10	<b>Solecurtus fragilis</b> (var.)	Egmont Key, Tampa
iii	24			<b>Lucina nassula</b> <i>Conr.</i>	Tampa Bay. [Bay.
iii	25	i	2	<b>Corbula limatula</b> <i>Conr.</i>	Coast of Florida.
iii	25	i	9	<b>Pollia tineta</b> <i>Conr.</i>	Tampa Bay.
iii	25	i	12	<b>cancellaria</b> <i>Conr.</i>	Ship Isl., G'f of Mex.
iii	25			<b>Murex cellulosa</b> <i>Conr.</i>	Tampa Bay.
iii	25			<b>Tampaensis</b> <i>Conr.</i>	Tampa Bay.
iii	25			<b>ostrearum</b> <i>Conr.</i>	Tampa Bay.
iii	26	i	17	<b>Marginella succinea</b> <i>Conr.</i>	Tampa Bay.
iii	26			<b>albilabris</b> <i>Conr.</i>	Tampa Bay.
iii	26	ii	34	<b>Oliva mutica.</b>	St. Joseph's Bay, Fla.
iii	26	ii	35	<b>Trochus Tampaensis</b> <i>Conr.</i>	Tampa Bay.
iii	26	i	18	<b>Triton lineolatum</b> <i>Conr.</i>	Tampa Bay.
iii	26			<b>Cerithium protextum</b> <i>Conr.</i>	Tampa Bay?
iii	26	i	5	<b>Bulla succinea</b> <i>Conr.</i>	Tampa Bay. [Bay.
iii	26			<b>Crepidula maculosa</b> <i>Conr.</i>	Mullet Key, Tampa
iii	27			<b>Dentalium eboreum</b> <i>Conr.</i>	S. coast of Florida.
June, 1846				<b>S. S. Haldeman.</b> —Description of—	
iii	75			<b>Unio abacoides</b> <i>Hald.</i>	[East Tennessee.
Dec. 1846				<b>Leidy.</b> —On the situation of the Olfactory Sense in	
iii	136			the Terrestrial Tribe of the Gasteropodous Mollusca:	
				by JOSEPH LEIDY, M. D.	
iii	137			<b>Leidy.</b> —On the same in <b>Helix pomatia.</b>	
Dec. 1848				<b>Conrad.</b> —Descriptions of two new genera and new	
				species of Recent Shells, &c.: by T. A. CONRAD.	
iv	121			<b>Parapholas</b> <i>Conr.</i> (n. g.)	
iv	121			<b>Californica</b> <i>Conr.</i>	
				<i>Pholas Californica</i> <i>Conr.</i>	
iv	121			<b>Cryptomya</b> <i>Conr.</i> (n. g.)	
iv	121			<b>Californica</b> <i>Conr.</i>	
				<i>Sphæria Californica</i> <i>Conr.</i>	
iv	121			<b>Lyonsia Florida</b> <i>Conr.</i>	
				<i>Osteodesma hyalina</i> <i>Conr.</i> , preoc. iii, 24.	
iv	121			<b>Leguminaria Florida</b> <i>Conr.</i>	
				<i>Solecurtus fragilis</i> <i>Conr.</i> , preoc. iii, 54.	
iv	121			<b>Psammobia Californica</b> <i>Conr.</i> , Journ. 7.	
Feb. 1849				<b>Conrad.</b> —Descriptions of new Fresh-water and Ma-	
				rine Shells: by T. A. CONRAD.	
iv	152			<b>Unio securiformis</b> <i>Conr.</i>	Flint river, Ga.
iv	152			<b>stagnalis</b> <i>Conr.</i>	Ogeechee river, Ga.
iv	153			<b>Ogeecheensis</b> <i>Conr.</i>	Ogeechee river, Ga.
iv	153			<b>aratus</b> <i>Conr.</i>	Flint river, Ga.
iv	153			<b>rosaceus</b> <i>Conr.</i>	Savannah river.

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Page.	Name.	Locality.		
iv	153	<b>Unio contrarius</b> <i>Conr.</i>	Ogeechee river.		
iv	154	<b>nucleopsis</b> <i>Conr.</i>	Etowah river.		
iv	154	<b>limatulus</b> <i>Conr.</i> [p. 162.)	Savannah river.		
iv	154	<b>aratus</b> ( <b>plectophorus</b> <i>Conr.</i> on	Flint river, Ga.		
iv	154	<b>Margaritana Etowahensis</b> <i>Conr.</i>	Etowah river.		
iv	154	<b>Melania cœlatura</b> <i>Conr.</i>	Savannah river.		
iv	154	<b>perangulata</b> <i>Conr.</i>	Savannah river.		
iv	155	<b>nebulosa</b> <i>Conr.</i>	Savannah river.		
iv	155	<b>percarinata</b> <i>Conr.</i>	Savannah river.		
iv	155	<b>symmetrica</b> <i>Conr.</i>	Savannah river.		
iv	155	<b>Solecardia</b> <i>Conr.</i> (n. g.)	Lower Calif'a or Peru.		
iv	155	<b>eburnea</b> <i>Conr.</i>	Lower Calif'a or Peru.		
iv	155	<b>Petricola sinuosa</b> <i>Conr.</i>	Lower Calif'a or Peru.		
iv	155	<b>Cyathodonta</b> <i>Conr.</i> (n. g.)	Lower Calif'a or Peru.		
iv	156	<b>undulata</b> <i>Conr.</i>	Lower Calif'a or Peru.		
iv	156	<b>Pholadopsis</b> <i>Conr.</i> (n. g.)	Lower Calif'a or Peru.		
iv	156	<b>pectinata</b> <i>Conr.</i>	Lower Calif'a or Peru.		
iv	156	<b>Parapholas bisulcata</b> <i>Conr.</i>	Lower Calif'a or Peru.		
iv	156	<b>Penitella Wilsoni</b> <i>Conr.</i>	Lower Calif'a or Peru.		
iv	156	<b>Triton perforatus</b> <i>Conr.</i>	Lower Calif'a or Peru.		
iv	156	<b>Oliva propatula</b> <i>Conr.</i>	Lower Calif'a or Peru.		
Apr.	1849.	<b>Keller.</b> —On Ciliary Cells in some Maine Naked Mollusca			
iv	173	in Embryo ( <b>Holis</b> , <b>Acteon viridis</b> , <b>Cantops Harvardianus</b> <i>Agassiz</i> ): by WILLIAM KELLER, M. D.			
Feb.	1850.	<b>Conrad.</b> —Descriptions of new species of Fresh-water Shells: by T. A. CONRAD.			
v	10	<b>Unio Aberti</b> <i>Conr.</i>	[Verdigris river, Ark.		
Mar.	1852.				
vi	54	<b>Lea.</b> —Note on the Periodicity of Naiades: by ISAAC LEA.			
Apr.	1852.				
vi	58	<b>Lea.</b> —Remarks on Species and on Agassiz's Division of the Naiades: by ISAAC LEA.			
Dec.	1852.	<b>Conrad.</b> —Notes on Shells, with descriptions of new species: by T. A. CONRAD.			
vi	199	<i>Cryptodon</i> , <i>preoc.</i> = <b>Schizothærus</b> .			
vi	199	<i>Nuttallii</i> <i>Conr.</i> = <b>Schizothærus Nuttallii</b> .			
vi	199	<i>Unio turgidus</i> <i>Lea</i> = <b>U. Mortoni</b> <i>Conr.</i>			
Feb.	1853.	<b>Conrad.</b> —Synopsis of the Family of Naiades of North			
vi	243	America, with Notes, and a table of some of the genera and subgenera of the family, according to their geographical distribution, and descriptions of genera and subgenera: by T. A. CONRAD. [Also in pamphlet form.]			
Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	244	<b>Unio abacus</b> <i>Hald.</i>	vi	244	<b>Unio affinis</b> <i>Lea.</i>
vi	244	<b>Aberti</b> <i>Conr.</i>	vi	244	<b>amœnus</b> <i>Lea.</i>
		<i>U. Lamarckianus</i> <i>Lea.</i>	vi	244	<b>amygdalum</b> <i>Lea.</i>
vi	244	<b>acutissimus</b> <i>Lea.</i>	vi	244	<b>altis</b> <i>Conr.</i>

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	245	<b>Unio angustatus</b> <i>Lea.</i>	vi	246	<b>Unio Clarkianus</b> <i>Lea.</i>
vi	245	<b>apiculatus</b> <i>Say.</i> <i>U. asper</i> Jay, not <i>Lea.</i>	vi	246	<b>clava</b> <i>Lam.</i> <i>U. mytiloides</i> Raf.
vi	245	<b>approximus</b> <i>Lea.</i>			<i>scalenia</i> Raf.
vi	245	<b>arctior</b> <i>Lea.</i>			<i>cuneatus</i> Raf.
vi	245	<b>arctatus</b> <i>Conr.</i>			<i>modioliformis</i> <i>Say.</i>
vi	245	<b>arcus</b> <i>Conr.</i>			<i>clavus</i> <i>Lea.</i>
vi	245	<b>argenteus</b> <i>Lea.</i>	vi	247	<b>coccineus</b> <i>Hild.</i>
vi	245	<b>asper</b> <i>Lea.</i> <i>U. apiculatus</i> Jay (var.)	vi	247	<b>collinus</b> <i>Conr.</i>
vi	245	<b>Barrattii</b> <i>Lea.</i>	vi	247	<b>complanatus</b> <i>Soland.</i> <i>Mya complanata</i> <i>Soland.</i>
vi	245	<b>Barnesianus</b> <i>Lea.</i>			<i>U. complanatus</i> <i>Lea.</i>
vi	245	<b>biangulatus</b> <i>Lea.</i>			<i>violaceus</i> <i>Speng.</i>
vi	245	<b>Bigbyensis</b> <i>Lea.</i>			<i>coarctata</i> <i>Lam.</i>
vi	245	<b>Binneyi</b> <i>Lea.</i>			<i>purpurascens</i> <i>Lam.</i>
vi	245	<b>Blandingianus</b> <i>Lea.</i>			<i>rhombula</i> <i>Lam.</i>
vi	245	<b>Bournianus</b> <i>Lea.</i>			<i>carinifera</i> <i>Lam.</i>
vi	245	<b>Brumbyanus</b> <i>Lea.</i>			<i>Georgina</i> <i>Lam.</i>
vi	245	<b>Boydianus</b> <i>Lea.</i>			<i>sulcidens</i> <i>Lam.</i>
vi	245	<b>Buckleyi</b> <i>Lea.</i>			<i>glabrata</i> <i>Lam.</i>
vi	245	<b>Buddianus</b> <i>Lea.</i>			<i>rarisulcata?</i> <i>Lam.</i>
vi	245	<b>buxeus</b> <i>Lea.</i>			<i>aurata</i> Raf.
vi	245	<b>bullatus</b> <i>Raf.</i> <i>U. verrucosus albus</i> <i>Hild.</i> <i>pustulosus</i> <i>Lea.</i>			<i>jejunus?</i> <i>Lea.</i> <i>Rouanokensis?</i> <i>Lea.</i> <i>complanatus</i> <i>Gould.</i> <i>purpureus</i> <i>Say.</i>
vi	245	<b>capax</b> <i>Green.</i> <i>Symphynota globosa</i> <i>Lea.</i> <i>U. capax</i> <i>Küst.</i>	vi	247	<b>concauus</b> <i>Lea.</i>
vi	245	<b>cælatus</b> <i>Conr.</i>	vi	247	<b>congaræus</b> <i>Lea.</i>
vi	246	<b>caliginosus</b> <i>Lea.</i>	vi	247	<b>compressissimus</b> <i>Lea.</i>
vi	246	<b>callosus</b> <i>Lea.</i>	vi	247	<b>Conradicus</b> <i>Lea.</i>
vi	246	<b>camptodon</b> <i>Say.</i> <i>U. Sayi</i> <i>Lea.</i> , not <i>Tapp.</i>	vi	247	<b>contrarius</b> <i>Conr.</i>
vi	246	<b>capsæformis</b> <i>Lea.</i>	vi	247	<b>constrictus</b> <i>Conr.</i>
vi	246	<b>cardium</b> <i>Raf.</i> <i>U. ventricosus</i> <i>Barnes.</i> <i>occidens</i> <i>Lea.</i> <i>subovatus</i> <i>Lea.</i> <i>ovata</i> <i>Lam.</i> (var. b?)	vi	247	<b>Cooperianus</b> <i>Lea.</i>
vi	246	<b>cariosus</b> <i>Say.</i> <i>U. ovata</i> <i>Valen.</i> <i>cariosus</i> <i>Küst.</i> <i>Lampsilis cariosa</i> <i>Agas.</i>	vi	247	<b>cor</b> <i>Conr.</i>
vi	246	<b>Carolinianus</b> <i>Bosc.</i> [MS. <i>U. obesus</i> <i>Lea.</i>	vi	247	<b>cordatus</b> <i>Raf.</i> ( <i>Obovaria</i> ).
vi	246	<b>castaneus</b> <i>Lea.</i>	vi	247	<b>creperus</b> <i>Lea.</i>
vi	246	<b>catillus</b> <i>Conr.</i>	vi	247	<b>crocatus</b> <i>Lea.</i>
vi	246	<b>cerinus</b> <i>Conr.</i> <i>U. flavus</i> <i>Lea.</i> , not <i>Raf.</i>	vi	247	<b>Cumberlandianus</b> <i>Lea.</i> <i>U. Cumberlandicus</i> <i>glaber?</i> <i>Lea.</i> [ <i>Chenu.</i>
vi	246	<b>cleatricosus</b> <i>Say.</i> <i>U. varicosus</i> <i>Lea.</i>	vi	247	<b>cuneolus</b> <i>Lea.</i>
vi	246	<b>Cincinnatiensis</b> <i>Lea.</i>	vi	248	<b>Cuvierianus</b> <i>Lea</i>
vi	246	<b>Clabornensis</b> <i>Lea.</i> <i>U. obtusus?</i> <i>Lea.</i>	vi	248	<b>cyphius</b> <i>Raf.</i> <i>U. Æsopus</i> <i>Green.</i>
			vi	248	<b>cylindricus</b> <i>Say.</i> <i>U. naviformis</i> <i>Lam.</i> <i>Elliptio solenoides</i> Raf. <i>Theclidermu cylindrica</i> Swains. <i>U. cylindricus</i> <i>Hild.</i>
			vi	248	<b>cyrenoides</b> <i>Phillipi.</i>
			vi	248	<b>dactylus</b> <i>Lea.</i>
			vi	248	<b>Dartiensis</b> <i>Lea.</i>
			vi	248	<b>decisus</b> <i>Lea.</i>

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	248	<b>Unio declivis</b> Say.	vi	249	<b>Unio fraternus</b> Lea.
		<i>U. geometricus</i> Lea.	vi	249	<b>fulgidus</b> Lea.
vi	248	<b>delumbis</b> Conr.	vi	250	<b>furvus</b> Conr.
		<i>U. modioliformis</i> Lea.			<i>U. Hanleyanus?</i>
vi	248	<b>decoratus</b> Lea.			<i>Troschelianus?</i>
vi	248	<b>dilatatus</b> Raf. ( <i>Elliptio</i> ).	vi	250	<b>fuliginosa</b> Lea.
		<i>U. cuprea</i> Raf.	vi	250	<b>fuscatus</b> Lea.
		<i>atroviolacea</i> Raf.	vi	250	<b>Geddingsianus</b> Lea.
		( <i>Obliquaria</i> ).	vi	250	<b>Georgianus</b> Lea.
		<i>nasutus</i> Lam., not S.	vi	250	<b>gibber</b> Lea.
		<i>gibbosus</i> Barnes.	vi	250	<b>Gibbesianus</b> Lea.
		<i>arctior?</i> Lea. (y'ng).	vi	250	<b>glaber</b> Lea.
vi	248	<b>discus</b> Lea.	vi	250	<b>glans</b> Lea.
vi	248	<b>dolabræformis</b> Lea.			<i>U. Brumbyanus</i> Lea.
vi	248	<b>dolabelloides</b> Lea.	vi	250	<b>Gouldii</b> Lea.
vi	248	<b>Dorfeullianus</b> Lea.	vi	250	<b>graniferus</b> Lea.
vi	248	<b>dromas</b> Lea.	vi	250	<b>Greenii</b> Conr.
		<i>U. caperatus</i> Lea.			<i>U. simplex</i> Lea.
vi	248	<b>Duttonianus</b> Lea.	vi	250	<b>Griffithianus</b> Lea.
vi	248	<b>Edgarianus</b> Lea.	vi	250	<b>Haleianus</b> Lea.
vi	248	<b>Eastbrookianus</b> Lea.	vi	250	<b>Hayesianus</b> Lea.
vi	248	<b>exiguus</b> Lea.	vi	250	<b>hebes</b> Lea.
vi	249	<b>excultus</b> Conr.	vi	250	<b>heterodon</b> Lea.
		<i>U. declivis</i> Lea, not Say.	vi	250	<b>Holstonensis</b> Lea.
vi	249	<b>famelicus</b> Gould.	vi	250	<b>hyalinus</b> Lea.
vi	249	<b>fasciolaris</b> Raf.	vi	250	<b>Hydianus</b> Lea.
		<i>U. phaseolus</i> Hild.			<i>U. Claibornensis?</i> Lea.
		<i>sinuatus</i> Raf.	vi	250	<b>icterinus</b> Conr.
		<i>mucronatus</i> Barnes.			<i>U. fulvus</i> Lea.
		<i>planulatus</i> Lea.	vi	250	<b>ineptus</b> Lea.
		<i>cuneatus</i> Barnes.	vi	250	<b>infurcatus</b> Conr.
		<i>phaseolus</i> Say.			<i>U. securiformis?</i> Conr.
		<i>planulata</i> Desh.	vi	250	<b>intermedius</b> Conr.
		<i>camelus</i> Lea.	vi	250	<b>interruptus</b> Raf.
vi	249	<b>fasciatus</b> Ann.			<i>U. brevidens</i> Lea.
		<i>U. crassus?</i> Say.	vi	251	<b>Jayensis</b> Lea.
		<i>carinatus</i> Barnes.	vi	251	<b>jejunus</b> Lea. [ <i>ianus?</i> ]
		<i>ellipticus</i> Barnes.	vi	251	<b>Keinerianus</b> Lea. ( <i>Kiener-</i>
vi	249	<b>fasciolus</b> Raf.	vi	251	<b>Kirtlandianus</b> Lea.
		<i>U. subangulatus</i> Lea.	vi	251	<b>Kleinianus</b> Lea.
vi	249	<b>fatus</b> Lea.	vi	251	<b>lanceolatus</b> Lea.
vi	249	<b>Fisherianus</b> Lea.	vi	251	<b>lapillus</b> Say.
		<i>U. nasutus</i> Conr. (var.)			<i>U. fabalis</i> Lea.
vi	249	<b>flavescens</b> Lea.	vi	251	<b>lævigatus</b> Raf. ( <i>Elliptio</i> ).
vi	249	<b>flavus</b> Raf.			<i>U. lens</i> Lea.
		<i>U. rubiginosus</i> Lea.	vi	251	<b>latiradiatus</b> Conr.
vi	249	<b>flexuosus</b> Raf.			<i>U. interruptus</i> Lea.
		<i>U. foliatus</i> Hild.	vi	251	<b>lazarus</b> Lea.
vi	249	<b>Floridensis</b> Lea.	vi	251	<b>Lecontianus</b> Lea.
vi	249	<b>folliculatus</b> Lea.	vi	251	<b>lenior</b> Lea.
vi	249	<b>Forbesianus</b> Lea.	vi	251	<b>Leseurianus</b> Lea.
		<i>U. congaræus?</i> Lea.	vi	251	<b>lineatus</b> Lea.
vi	249	<b>Foremanianus</b> Lea.	vi	251	<b>lienosus</b> Conr.
vi	249	<b>fragosus</b> Conr.			<i>U. obscurus</i> Lea.

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	251	<b>Unio ligamentinus</b> Lam. <i>U. fasciolus</i> Conr., not Raf.	vi	253	<b>Unio nodiferus</b> Conr. <i>U. prasinus</i> Lea, not Con.
		<i>multiradiatus</i> Lea.	vi	253	<b>nodulatus</b> Raf. <i>U. pustulatus</i> Lea.
vi	251	<b>limatulus</b> Conr. <i>U. Tuomeyi</i> Lea. [ria.]	vi	253	<b>notatus</b> Lea.
vi	251	<b>lineolatus</b> Raf. ( <i>Obliqua-</i> <i>U. depressa</i> Raf., not <i>securis</i> Lea. [Lam.]	vi	253	<b>Novi-Eboraci</b> Lea.
vi	251	<b>luridus</b> Lea.	vi	253	<b>nucleopsis</b> Conr.
vi	251	<b>luteolus</b> Lam. [Barnes. <i>U. siliquoides</i> Conr., <i>inflatus</i> Barnes. <i>Lampsilis siliquoides</i>	vi	253	<b>nexus</b> Say. <i>U. arciformis</i> Lea.
vi	252	<b>lugubris</b> Lea. [Stimp.]	vi	253	<b>notatus</b> Lea. <i>U. sinus</i> Lea.
vi	252	<b>maculatus</b> Conr. <i>U. Raveneliani</i> Lea.	vi	253	<b>obliquus</b> Lam. <i>U. obliquus</i> Fer. <i>ebenus</i> Lea. [Barn. <i>undatus</i> Desh, not <i>mytiloides?</i> Swains., not Raf. [quaria].
vi	252	<b>Masoni</b> Conr.	vi	253	<b>obliquatus</b> Raf. ( <i>Obli-</i> <i>U. ridibundus</i> Say. <i>sulcatus</i> Lea.
vi	252	<b>mcestus</b> Lea.	vi	253	<b>obovalis</b> Raf. <i>U. solidus</i> Lea.
vi	252	<b>merus</b> Lea.	vi	253	<b>obtusus</b> Lea.
vi	252	<b>Menkianus</b> Lea.	vi	253	<b>occidentaliss</b> Conr.
vi	252	<b>metallicus</b> Say. <i>U. cuprinus</i> Lea.	vi	254	<b>ochraceus</b> Say. [List. <i>Pectunculus fluviatilis</i> <i>Mytilus fluviatilis</i> Gmel. <i>Symph. ochracea</i> Lea. <i>U. ochraceus</i> Conr. <i>rosaceus?</i> Conr., not
vi	252	<b>metanever</b> Raf. <i>U. metaneverus</i> Say. <i>nodosus</i> Barnes. <i>rugosus?</i> Barnes. <i>metanever</i> Lea.	vi	254	<b>olivarius</b> Raf. [De Kay. <i>U. ellipsis</i> Lea.
vi	252	<b>minor</b> Lea.	vi	254	<b>Ogecheensis</b> Conr.
vi	252	<b>Mississippiensis</b> Conr.	vi	254	<b>oratus</b> Conr.
vi	252	<b>Mortoni</b> Conr. <i>U. turgidus</i> Lea.	vi	254	<b>orbiculatus</b> Hild. <i>U. abruptus</i> Say. <i>crassus</i> Conr.
vi	252	<b>Mühlfeldianus</b> Lea.	vi	254	<b>ovatus</b> Say. [Barnes. <i>U. ventricosus</i> Desh., not <i>subovatus</i> Desh., not Lea. <i>occidens?</i> Desh., not
vi	252	<b>Monroensis</b> Lea.	vi	254	<b>oviformis</b> Conr. [Lea.
vi	252	<b>Moussianus</b> Lea.	vi	254	<b>pallescens</b> Lea.
vi	252	<b>Nashvillianus</b> Lea.	vi	254	<b>paliatus</b> Lea.
vi	252	<b>nasutus</b> Say. <i>Mya nasuta</i> Wood. <i>U. rostratus</i> Valenc. <i>Eurinea nasuta</i> Agas.	vi	254	<b>paludicolor</b> Gould.
vi	252	<b>nebulosus</b> Conr.	vi	254	<b>papyraceus</b> Gould.
vi	252	<b>neglectus</b> Lea.	vi	254	<b>parvus</b> Barnes.
vi	252	<b>nexus</b> Say. <i>U. arciformis</i> Lea.	vi	254	<b>paulus</b> Lea.
vi	253	<b>nervosus</b> Raf. <i>U. zig-zag</i> Lea. <i>donaciformis</i> .	vi	254	<b>pectorosus</b> Conr. <i>U. perdix</i> Lea. <i>biangulatus</i> Lea.
vi	253	<b>nigellus</b> Lea.	vi	254	<b>pellucidus</b> Lea.
vi	253	<b>niger</b> Raf. <i>U. incrassatus</i> Lea. <i>gibber?</i> Lea.	vi	254	<b>penitus</b> Conr.
vi	253	<b>nigerrimus</b> Lea.			
vi	253	<b>nigrinus</b> Lea.			
vi	253	<b>nitens</b> Lea.			

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	254	<b>Unio perovatus.</b> <i>U. nux</i> Lea.			<i>U. Virginiana</i> Lam. <i>Mya oblongata</i> Wood.
vi	254	<b>perovalis</b> Conr.			<i>U. ochraceus</i> Desh., not
vi	254	<b>pernodosus</b> Lea.			<i>radiatus</i> Con. [Say.
vi	255	<b>pectitus</b> Conr.			<i>Lampsilis radiata</i> Agas.
vi	255	<b>personatus</b> Say (fem'le). <i>U. capillaris</i> Lea. <i>pileus</i> Lea (male).	vi	256	<b>Unio Rangianus</b> Lea. [MS.
vi	255	<b>perstriatus</b> Lea.	vi	256	<b>Raveneli</b> Conr. <i>U. confertus</i> Lea. <i>Waterensis</i> Lea.
vi	255	<b>Phillipsii</b> Conr.	vi	256	<b>rectus</b> Lam. [tio.) <i>U. latissima</i> Raf. (Ellip- <i>prælongus</i> Barnes. <i>rectus</i> Kust.
vi	255	<b>pictus</b> Lea.			<i>Eurinea prælonga</i> Agas.
vi	255	<b>pilaris</b> Lea.	vi	256	<b>Reevianus</b> Lea. [MS.
vi	255	<b>placitus</b> Lea.	vi	256	<b>reflexus</b> Raf. <i>U. cornutus</i> Barnes.
vi	255	<b>planilateris</b> Conr.	vi	256	<b>regularis</b> Lea.
vi	255	<b>plenus</b> Lea.	vi	256	<b>retusus</b> Lam. <i>U. torsa</i> Raf. <i>obtusa</i> Cuv.
vi	255	<b>plexus</b> Conr. <i>U. pliciferus</i> Lea. <i>subtrapezius</i> Phillipi. <i>carbonarius</i> Lea.	vi	256	<b>rivularis</b> Conr. [Say. <i>U. declivis</i> Conr., not
vi	255	<b>Powellii</b> Lea.	vi	257	<b>Roanokensis</b> Lea.
vi	255	<b>politus</b> Say. <i>U. brevis</i> ? Lam. <i>olivarius</i> Raf., var. 2. <i>brevis</i> Crouch. <i>subrotundus</i> Lea, not <i>politus</i> Conr. [Raf.	vi	257	<b>rosaceus</b> De Kay.
vi	255	<b>Prevostianus</b> Lea.	vi	257	<b>rotundatus</b> Lam. <i>U. suborbiculata</i> Lam. <i>decorticata</i> Raf. <i>glebulus</i> Say. <i>subglobosus</i> Lea. <i>rotundatus</i> Lea.
vi	255	<b>prasinus</b> Conr. <i>U. Schoolcraftensis</i> Lea. <i>nodiferus</i> Lea, not C.	vi	257	<b>rubellus</b> Conr.
vi	255	<b>productus</b> Conr.	vi	257	<b>ruber</b> Raf. <i>U. pyramidatus</i> Lea. <i>coccineus</i> Jay, not
vi	255	<b>proximus</b> Lea.	vi	257	<b>rudis</b> Conr. [Hild. <i>U. Ravenelianus</i> Lea.
vi	255	<b>pullus</b> Conr.	vi	257	<b>rufusculus</b> Lea.
vi	255	<b>pulvinulus</b> Lea.	vi	257	<b>Rumphianus</b> Lea.
vi	255	<b>pumilus</b> Lea.	vi	257	<b>sagittiformis</b> Lea.
vi	255	<b>puniceus</b> Hald.	vi	257	<b>Sapotalensis</b> Lea.
vi	255	<b>purpuratus</b> Lam.? <i>U. ater</i> Lea. <i>lugubris</i> Say. <i>atra</i> Desh. <i>purpuratus</i> Lea. <i>Mya ventricosa</i> Soland.	vi	257	<b>saxeus</b> Conr.
vi	256	<b>purpurarius</b> Say. <i>U. Medellinus</i> Lea.	vi	257	<b>satur</b> Lea.
vi	256	<b>pusillus</b> Lea.	vi	257	<b>securiformis</b> Conr.
vi	256	<b>pygmcæus</b> Lea.	vi	257	<b>semigranosus</b> V. d. Busc.
vi	256	<b>quadrulus</b> Raf. <i>U. asperrimus</i> Lea. <i>lachrymosus</i> Lea.	vi	257	<b>Shepardianus</b> Lea.
vi	256	<b>radiatus</b> Lam. <i>Mya radiata</i> Gmel. <i>Mya</i> Schrot. <i>radiata</i> Dillwyn. <i>pictorum tenuis</i> Chem.	vi	257	<b>simus</b> Lea.
			vi	257	<b>sintoxia</b> Raf.
			vi	257	<b>sordidus</b> Lea.
			vi	257	<b>Sowerbianus</b> Lea.
			vi	257	<b>sparsus</b> Lea.
			vi	257	<b>spatulatus</b> Lea.
			vi	257	<b>spinus</b> Lea.
			vi	257	<b>splendidus</b> Lea.

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	257	<b>Unio stagnalis</b> <i>Conr.</i>	vi	259	<b>Unio verrucosus</b> <i>Raf.</i>
vi	258	<b>stapes</b> <i>Lea.</i>			<i>U. tuberculatus</i> <i>Barnes.</i>
vi	258	<b>stegarius</b> <i>Raf.</i>	vi	259	<b>viridis</b> <i>Raf.</i>
		<i>U. irroratus</i> <i>Lea.</i>			<i>U. Tappanianus</i> <i>Lea.</i>
vi	258	<b>Stewardsonii</b> <i>Lea.</i>	vi	260	<b>vibex</b> <i>Conr.</i>
vi	258	<b>Stonensis</b> <i>Lea.</i>	vi	260	<b>Whiteanus</b> <i>Lea.</i>
vi	258	<b>stamineus</b> <i>Conr.</i>	vi	260	<b>Zeiglerianus</b> <i>Lea</i> ( <i>Zieglerianus?</i> )
vi	258	<b>striatus</b> <i>Lea.</i>	vi	260	<b>Metaptera alata.</b>
vi	258	<b>strigosus</b> <i>Lea.</i>			<i>Unio alata</i> <i>Say.</i>
vi	258	<b>subinflatus</b> <i>Conr.</i>			<i>Symphynota alata</i> <i>Lea.</i>
		<i>U. Hopetonensis?</i> <i>Lea.</i>			<i>Unio alatus</i> <i>Lea.</i>
vi	258	<b>subplanus</b> <i>Conr.</i>			<i>M. megaptera</i> <i>Raf.</i>
vi	258	<b>subrotundus</b> <i>Raf.</i> , y'ng.			<i>Lymnadia alata</i> <i>Swains.</i>
		<i>U. striatus</i> <i>Raf.</i> , old.			<i>Unio alatus</i> <i>Kust.</i>
		<i>circulus</i> <i>Lea.</i>	vi	260	<b>fragilis.</b>
vi	258	<b>subtentus</b> <i>Say.</i>			<i>Elliptio fragilis</i> <i>Raf.</i>
vi	258	<b>subrostratus</b> <i>Say.</i>			<i>Unio fragilis</i> <i>Swains.</i>
		<i>U. iris</i> <i>Lea.</i>			<i>fragilis</i> <i>Say.</i>
vi	258	<b>symmetricus</b> <i>Lea.</i>			<i>gracilis</i> <i>Barnes.</i>
vi	258	<b>Tampicoensis</b> <i>Lea.</i>			<i>Symphynota gracilis</i> <i>Lea.</i>
vi	258	<b>tæniatus</b> <i>Conr.</i>			<i>Unio gracilis</i> <i>Lea.</i>
		<i>U. pulcher</i> <i>Lea.</i>	vi	260	<b>inflata.</b>
vi	258	<b>Taitianus</b> <i>Lea.</i>			<i>Symphynota inflata</i> <i>Lea.</i>
vi	258	<b>Tecomatensis</b> <i>Lea.</i>			<i>Unio inflatus</i> <i>Conr.</i>
vi	258	<b>Tennesseeensis</b> <i>Lea.</i>			<i>Alabamensis</i> <i>Conr.</i>
vi	258	<b>tener</b> <i>Lea.</i>	vi	260	<b>Ohiensis.</b>
vi	258	<b>tenerus</b> <i>Ravenel.</i>			<i>Lastena Ohiensis</i> <i>Raf.</i>
		<i>U. tenebrosus</i> <i>Conr.</i>			<i>Unio lævissimus</i> <i>Lea.</i>
vi	258	<b>tetralasmus</b> <i>Say.</i>	vi	260	<b>Plectomerus</b> <i>Conr.</i> (n. g.)
vi	259	<b>teres</b> <i>Raf.</i>	vi	260	<b>atromarginatus.</b>
		<i>U. anodontoides</i> <i>Lea.</i>			<i>Unio atromarginatus</i> <i>Lea.</i>
vi	259	<b>trabalis</b> <i>Conr.</i>	vi	260	<b>Boykianus.</b>
		<i>U. Troostensis</i> <i>Lea.</i>			<i>Unio Boykianus</i> <i>Lea.</i>
vi	259	<b>trigonus</b> <i>Lea.</i>	vi	260	<b>costatus.</b>
vi	259	<b>tortivus</b> <i>Lea.</i> [ <i>ria.</i> ]			<i>Unio costatus</i> <i>Raf.</i>
vi	259	<b>torulosus</b> <i>Raf.</i> ( <i>Obliqua-</i>			<i>undulatus</i> <i>Barnes.</i>
		<i>U. gibbosus</i> <i>Raf.</i>			<i>latecostatus</i> <i>Lea.</i>
		<i>perplexus</i> <i>Lea.</i>	vi	261	<b>crassidens.</b>
vi	259	<b>triqueter</b> <i>Raf.</i>			<i>Unio crassidens</i> <i>Lam.</i>
		<i>U. triangularis</i> <i>Barnes.</i>			<i>interruptus</i> <i>Say.</i>
		<i>formosus</i> <i>Lea.</i>			<i>trapezoides</i> <i>Lea.</i>
		<i>triangularis</i> <i>Lea.</i>	vi	261	<b>Nicklinianus.</b>
vi	259	<b>truncatus</b> <i>Raf.</i>			<i>Unio Nicklinianus</i> <i>Lea.</i>
		<i>U. elegans</i> <i>Lea.</i>	vi	261	<b>perplicatus</b> <i>Conr.</i>
vi	259	<b>trossulus</b> <i>Lea.</i>			<i>Unio atrocostatus</i> <i>Lea.</i>
vi	259	<b>tuberosus</b> <i>Lea.</i>	vi	261	<b>plectophorus</b> <i>Conr.</i>
vi	259	<b>tumescens</b> <i>Lea.</i>	vi	261	<b>plicatus.</b>
vi	259	<b>undatus</b> <i>Barnes.</i>			<i>Unio plicatus</i> <i>Say.</i>
vi	259	<b>unicolor</b> <i>Lea.</i>			<i>Peruviana</i> <i>Lam.</i>
vi	259	<b>utriculus</b> <i>Lea.</i>			<i>rariPLICATA</i> <i>Lam.</i>
vi	259	<b>Vanuzemiensis</b> <i>Lea.</i>			<i>Dombeyanus</i> <i>Val.</i>
vi	259	<b>Vaughnianus</b> <i>Lea.</i>			<i>undulatus</i> <i>Desh.,</i>
vi	259	<b>velatus</b> <i>Conr.</i>			not <i>Barnes.</i>
vi	259	<b>venustus</b> <i>Lea.</i>			

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
		<i>Unio multiplicatus</i> Desh., <i>crassus</i> Bar. [not Lea. <i>plicata</i> Swains. <i>Hippopæus</i> Lea.	vi	262	<b>Strophitus (Hemiodon)</b> <b>argenteus.</b> <i>Anadonta argentea</i> Lea.
vi	261	<b>Plectomerus Sloatianus.</b> <i>Unio Sloatianus</i> Lea. <i>plectophorus?</i> Con.	vi	262	<b>Arkansensis.</b> <i>Anod. Arkansensis</i> Lea.
vi	261	<b>Complanaria complanata.</b> <i>Alas. complanata</i> Barn. <i>Symph. complanata</i> Lea. <i>Unio complanata</i> Desh. <i>Katherina</i> Lea.	vi	262	<b>calceolus.</b> <i>Unio calceola</i> Lea. <i>Margaritana calceola</i>
vi	261	<b>costata.</b> <i>Alasm. costata</i> Raf. <i>rugosa</i> Barnes. <i>C. rugosa</i> Agas.	vi	263	<b>Curreyanus.</b> [Lea. <i>Marg. Curreyana</i> Lea.
vi	261	<b>compressa.</b> <i>Symph. compressa</i> Lea. <i>Unio compressus</i> Conr. <i>C. alasmodontina</i> Stimp.	vi	263	<b>deltoides.</b> <i>Marg. deltoidea</i> Lea.
vi	262	<b>Margaritana arcuata.</b> <i>Alasm. arcuata</i> Barnes. <i>M. margaritifera</i> Lea, not Lin. <i>arcuata</i> Stimp.	vi	263	<b>edentulus.</b> <i>Alasm. edentula</i> Say. <i>Anod. edentula</i> De Kay. <i>edentula</i> Lea. <i>areolata</i> Swains.
vi	262	<b>falcata</b> Gould.	vi	263	<b>Etowaosis</b> Conr.
vi	262	<b>monodonta.</b> <i>Unio monodontus</i> Say. <i>Alasm. monodonta</i> Fer. <i>Unio Soleniformis</i> Lea.	vi	263	<b>fabula.</b> <i>Marg. fabula</i> Lea.
vi	262	<b>Alasmodontia arcula</b> Lea.	vi	263	<b>Hildrethianus.</b> <i>Marg. Hildrethiana</i> Lea.
vi	262	<b>confragosa</b> Say. <i>Unio confragosa</i> Desh. <i>Marg. confragosa</i> Lea.	vi	263	<b>Holstonia?</b> <i>Marg. Holstonia</i> Lea.
vi	262	<b>marginata</b> Say. <i>Unio varicosa</i> Lam. <i>Mya rugulosa</i> Wood. <i>Marg. marginata</i> Lea. <i>A. marginata</i> De Kay.	vi	263	<b>minor.</b> <i>Marg. minor</i> Lea.
vi	262	<b>truncata</b> Say, MS. <i>A. marginata</i> Auc.	vi	263	<b>radiatus</b> Conr. [Journ. <i>Alasm. radiata</i> Sillim. <i>Marg. radiata</i> Lea.
vi	262	<b>Leptodea lata</b> Raf. <i>Unio dehiscens</i> Say. <i>oriens</i> Lea. <i>dehiscens</i> Lea. <i>Anodonta lata</i> Fer. <i>Unio latus</i> Say.	vi	263	<b>Ravenelianus.</b> <i>Marg. Ravenelianus</i> Lea.
vi	262	<b>leptodon</b> Raf. <i>Unio leptodon</i> Say. <i>planus</i> Barnes. <i>An. purpurascens</i> Swain. <i>Symph. tenuissima</i> Lea. <i>Unio tenuissima</i> Lea.	vi	263	<b>Shæfferiana.</b> <i>Anod. Shæfferiana</i> Lea.
			vi	263	<b>tetragona.</b> <i>Anod. tetragona</i> Lea.
			vi	263	<b>unadilla</b> De Kay.
			vi	263	<b>undulatus.</b> <i>Anod. undulata</i> Say. <i>rugosa</i> Swains. <i>Pennsylvanica</i> Lam <i>S. undulatus</i> Stimp.
			vi	263	<b>virgatus</b> Conr. <i>Anod. Wardiana</i> Lea.
			vi	263	<b>Anodontia angulata</b> Lea.
			vi	263	<b>Benedictensis</b> Lea.
			vi	263	<b>Buchanensis</b> Lea.
			vi	263	<b>Californiensis</b> Lea.
			vi	263	<b>cataracta</b> Say. <i>A. fluviatilis</i> Lea.
			vi	263	<b>cognata</b> Gould.
			vi	263	<b>Couperiana</b> Lea.
			vi	263	<b>cylindracea</b> Lea.
			vi	263	<b>decora</b> Lea.



[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	263	<b>Anodonta declivis</b> <i>Conr.</i> <i>A. plana</i> <i>Lea.</i>	vi	264	<b>Anodonta Stewartiana</b> <i>Lea.</i>
vi	264	<b>denigrata</b> <i>Lea.</i>	vi	264	<b>suborbiculata</b> <i>Say.</i>
vi	264	<b>excurvata</b> <i>De Kay.</i>	vi	264	<b>subcylindracea</b> <i>Lea.</i>
vi	264	<b>fragilis</b> <i>Lam.</i>	vi	264	<b>subvexa</b> <i>Conr.</i>
vi	264	<b>ferruginea</b> <i>Lea.</i>	vi	264	<b>teres</b> <i>Conr.</i>
vi	264	<b>Ferussaciana.</b>	vi	264	<b>virens</b> <i>Lea.</i>
vi	264	<b>Footiana</b> <i>Lea.</i>	vi	264	<b>Wahlamatensis</b> <i>Lea.</i>
vi	264	<b>gibbosa</b> <i>Say.</i>			Notes on—
vi	264	<b>gigantea</b> <i>Lea.</i>	vi	264	<b>Unio asper.</b>
vi	264	<b>glauca</b> <i>Valen.</i>	vi	264	<b>cariosus.</b>
vi	264	<b>grandis</b> <i>Say.</i> <i>A. corpulenta</i> <i>Coop., MS.</i>	vi	265	<b>cerinus.</b>
vi	264	<b>Harpenthis</b> <i>Lea.</i>	vi	265	<b>complanatus</b> <i>Soland.</i>
vi	264	<b>Imbecilis</b> <i>Say.</i> <i>A. incerta</i> <i>Lea.</i>	vi	265	<b>clava.</b>
vi	264	<b>implicata</b> <i>Say.</i> <i>A. Newtonensis</i> <i>Lea.</i>	vi	265	<b>nodiferus</b> <i>Conr.</i>
vi	264	<b>Impura</b> <i>Say.</i>	vi	265	<b>ochraceus</b> <i>Say.</i>
vi	264	<b>Linneana</b> <i>Lea.</i>	vi	265	<b>obliquus</b> <i>Lam.</i>
vi	264	<b>lugubris</b> <i>Say.</i>	vi	265	<b>plexus</b> <i>Conr.</i>
vi	264	<b>Marryattana</b> <i>Lea.</i>	vi	265	<b>prasinus</b> <i>Conr.</i>
vi	264	<b>marginata</b> <i>Say.</i>	vi	266	<b>purpuratus</b> <i>Lam.</i>
vi	264	<b>Nuttalliana</b> <i>Lea.</i>	vi	266	<i>quadrulus</i> is not <b>U. rugosus</b> <i>Barnes.</i>
vi	264	<b>oblita</b> <i>Lea.</i>	vi	266	<b>undatus.</b>
vi	264	<b>opaca</b> <i>Lea.</i>	vi	266	<b>undulatus</b> <i>Barnes.</i>
vi	264	<b>Oregonensis</b> <i>Lea.</i>	vi	266	<b>viridis</b> <i>Raf.</i>
vi	264	<b>ovata</b> <i>Lea.</i>	vi	266	<b>Anodonta cataracta</b> <i>Say.</i>
vi	264	<b>pavonia</b> <i>Lea.</i>	vi	266	<b>marginata</b> <i>Say.</i>
vi	264	<b>Pepiniana</b> <i>Lea.</i>	vi	267	<b>Unio cuneatus</b> <i>Raf.</i>
vi	264	<b>plicata</b> <i>Hald.</i>	vi	267	<b>fasciolus</b> <i>Raf.</i>
vi	264	<b>salmonia</b> <i>Lea.</i>	vi	267	<b>simplex</b> <i>Lea.</i>
			vi	267	<b>triangularis</b> <i>Raf.</i>

Table showing the geographical range of the Families Unionidæ, Muteladæ, and Mycetopodidæ, and some of the genera and subgenera.

## ASIA.

Family **Unionidæ.**

## SUBGENERA.

vi	267	<b>Nala</b> <i>Swains.</i>
vi	267	<b>Lanceolaria</b> <i>Conr.</i>
vi	267	<b>Monodontina</b> <i>Conr.</i>

## GENERA.

vi	267	<b>Barbala</b> <i>Humph.</i>
vi	267	<b>Hyriopsis</b> <i>Conr.</i>
vi	267	<b>Nodularia</b> <i>Conr.</i>

## EUROPE.

## SUBGENERA.

vi	267	<b>Mysca</b> <i>Turton.</i>
vi	267	<b>Potamida</b> <i>Swains.</i>

## AFRICA.

Family **Muteladæ.**

vi	267	<b>Mutela</b> <i>Scopoli.</i>
vi	267	<b>Iridella</b> <i>Conr.</i>
vi	267	<b>Pleiodon</b> <i>Conr.</i>
vi	267	<b>Calliscapha</b> <i>Swains.</i> <i>Spatha</i> <i>Lea.</i>

Family **Unionidæ.**

## SUBGENUS.

vi	267	<b>Cælatura</b> <i>Conr.</i>
----	-----	------------------------------

## AUSTRALIA.

Family **Unionidæ.**

vi	267	<b>Hyridella</b> <i>Swains.</i>
----	-----	---------------------------------

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	267	<b>Parreysia</b> <i>Conr.</i>			<b>SOUTH AMERICA.</b>
		<i>U. multidentatus</i> Parreyss.			Family <b>Muteladae.</b>
vi	267	<b>Cucumaria</b> <i>Conr.</i>			GENERA.
		<b>NORTH AMERICA.</b>	vi	267	<b>Leila</b> <i>Gray.</i>
		Family <b>Unionidae.</b>	vi	267	<b>Paxyodon</b> <i>Schum.</i>
		SUBGENERA.	vi	267	<b>Prisodon</b> <i>Schum.</i>
vi	267	<b>Eurinea</b> <i>Raf.</i>			SUBGENUS.
vi	267	<b>Lampsilis</b> <i>Raf.</i>	vi	267	<b>Iridea</b> <i>Swains.</i>
vi	267	<b>Canthyria</b> <i>Swains.</i>			Fam. <b>Mycetopodidae.</b>
vi	267	<b>Theliderma</b> <i>Swains.</i>	vi	267	<b>Mycetopus</b> <i>D'Orb.</i>
vi	267	<b>Cunicula</b> <i>Swains.</i>			Family <b>Unionidae.</b>
		GENERA.			GENERA.
vi	267	<b>Metaptera</b> <i>Raf.</i>	vi	267	<b>Lamproscapha</b> <i>Swains.</i>
vi	267	<b>Strophitus</b> <i>Raf.</i>	vi	267	<b>Monocondylæa</b> <i>D'Orb.</i>
vi	267	<b>Lastena</b> <i>Raf.</i>	vi	267	<b>Byssodonta</b> <i>D'Orb.</i>
vi	267	<b>Complanaria</b> <i>Swains.</i>			SUBGENUS.
vi	267	<b>Alasmodonta</b> <i>Say.</i>	vi	267	<b>Corrugaria</b> <i>Conr.</i>
		<b>SUBGENERA OF UNIO.</b>			
		<b>NODULARIA</b> <i>CONR.</i>			<b>GLEBULA</b> <i>CONR.</i>
vi	268	<b>Unio Douglasiæ</b> <i>Gray.</i>			Louisiana.
		<b>IRIDEA</b> <i>SWAINS.</i>	vi	268	<b>Unio rotundatus</b> <i>Lam.</i>
vi	268	<b>Unio granosus</b> <i>Lam.</i>			<b>UNIOMERUS</b> <i>CONR.</i>
vi	268	<i>solisiana</i> <i>D'Orb.</i>			Southern States.
vi	268	<i>Paranensis</i> <i>Lea.</i>	vi	268	<b>Unio declivis.</b>
vi	268	<i>rhuaicoica</i> <i>D'Orb.</i>	vi	268	<i>camptodon.</i>
vi	268	<i>Fontainiana</i> <i>D'Orb.</i>	vi	268	<i>subcroceus.</i>
vi	268	<i>hylæa</i> <i>D'Orb.</i>	vi	268	<i>Sayii.</i>
vi	268	<i>Guaraniana</i> <i>D'Orb.</i>	vi	268	<i>rivularis.</i>
vi	268	<i>Matoniana</i> <i>D'Orb.</i>	vi	268	<i>perrectus.</i>
vi	268	<i>Psammoica</i> <i>D'Orb.</i>	vi	268	<i>symmetricus.</i>
vi	268	<i>charruana</i> <i>D'Orb.</i>	vi	268	<i>excultus.</i>
		<b>MYSKA</b> <i>TURTON.</i>			<b>THELIDERMA</b> <i>SWAINS.</i>
vi	268	<b>Unio pictorum.</b>	vi	269	<b>Unio Phillipsea.</b>
		<b>LANCEOLARIA</b> <i>CONR.</i>	vi	269	<i>fragosus, &amp;c.</i>
vi	268	<b>Unio Grayanus</b> <i>Lea.</i>			<b>LAMPSILIS</b> <i>RAF.</i>
		<b>CCELATURA</b> <i>CONR.</i>	vi	269	<b>Unio ochraceus.</b>
vi	268	<b>Unio Ægyptiacus</b> <i>Caill.</i>	vi	269	<i>ovatus, &amp;c.</i>
		<b>CUNICULA</b> <i>SWAINS.</i>			<b>EURINEA</b> <i>RAF.</i>
		North America.	vi	269	<b>Unio nasutus, &amp;c.</b>
vi	268	<b>Unio fasciolaris.</b>			PROPOSED NEW GENERA.
vi	268	<i>lineolatus.</i>			<b>CUCUMARIA</b> <i>CONR.</i>
vi	268	<b>Eastbrookianus.</b>	vi	269	<b>Unio cucumoides</b> <i>Lea.</i>
vi	268	<i>subtentus.</i>			<b>HYRIOPSIS</b> <i>CONR.</i>
vi	268	<i>cœlatus.</i>			
vi	268	<i>arcus, &amp;c.</i>	vi	269	<b>Unio delphinus</b> <i>Gruner.</i>

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
		<b>MONODONTINA CONR.</b>			<b>CORRIGENDA.</b>
vi	269	<b>Margaritana Vondenbuschiana</b> <i>Lea.</i> ( <i>M. Buschiana</i> Conr.)	vi	269	<i>Unio angustatus</i> <i>Lea.</i>
			vi	269	<i>capax</i> <i>Green</i> ( <i>Symphynota globosa</i> <i>Lea.</i> ).
			vi	269	<i>capsæformis</i> <i>Lea.</i> [ <i>rus.</i>
			vi	269	<i>metanever</i> read <i>U. metaneu-</i>
April, 1853.					
Vol.	Page.	<b>Conrad.</b> —Monograph of the genus <i>Fulgur</i> : by T. A. CONRAD.			
vi	316				
		Name.	Locality.		
vi	319	<b>Fulgur carica</b> ( <i>Murex</i> ) <i>Gmelin.</i> <i>Pyrula carica</i> <i>Lam.</i> <i>aruana</i> <i>Rve.</i> non <i>L.</i>	Georgia to Mass.		
vi	319	<b>canaliculatum</b> ( <i>Pyrula</i> ) <i>Lam.</i> <i>Buccinum ampullaceum</i> <i>Lister.</i> <i>Murex canaliculatus</i> <i>L.</i> <i>Pyrula canaliculata</i> <i>Rve.</i>	N. J., R. I., Mass.		
vi	319	<b>perversum</b> ( <i>Murex</i> ) <i>Linn.</i> <i>Buccinum</i> , &c. <i>Lister.</i> <i>Pyrula perversa</i> <i>Lam.</i>	Southern coast.		
vi	319	<b>pyrum</b> ( <i>Bulla</i> <i>Dillw.</i> ) <i>Buccinum</i> , &c. <i>Lister.</i> <i>Bulla ficus</i> $\beta$ <i>Gmelin.</i> <i>Pyrula spirata</i> <i>Lam.</i> , <i>Rve.</i> <i>F. pyruloides</i> <i>Say.</i> <i>Pyrula spirata</i> <i>Rve.</i>	Southern coast of Fla.		
vi	319	<b>candelabrum</b> ( <i>Pyrula</i> ) <i>Lam.</i>			
vi	319	<b>gibbosum</b> <i>Conrad.</i> <i>Pyrula perversa</i> <i>Kiener</i> (var.)	Campeachy? U. S.?		
<b>T. A. Conrad.</b> —Notes on Shells.					
vi	320	<b>Dreissena leucophæatus</b> <i>Conrad.</i> <i>Mytilus leucophæatus</i> <i>Conrad.</i>	Virginia.		
vi	320	<b>Artemis concentrica.</b> <i>A. acetabulum</i> <i>Conrad</i> (fossil). <i>Venus concentrica</i> <i>Born.</i>	Florida.		
vi	320	<b>elegans</b> <i>Conrad.</i> <i>A. concentrica</i> <i>Rve.</i> non <i>Born.</i>	Florida.		
vi	320	<b>discus</b> <i>Reeve</i> [ <i>Born.</i> ] <i>Cytherea concentrica</i> <i>Chenu</i> non	S'n and Middle States.		
Dec. 1853.					
vi	448	<b>Conrad.</b> —Synopsis of the genus <i>Cassidula</i> <i>Humphr.</i> , and of a proposed new genus <i>Athleta</i> : by T. A. CONRAD. [The only American species.—W. G. B.]			
vi	449	<b>Cassidula corona.</b> <i>Pyrula patula</i> <i>Brod.</i> <i>Murex corona</i> <i>Gmelin.</i> <i>Fusus corona</i> <i>Lam.</i> <i>Buccinum ornatum</i> <i>Say.</i> <i>Melongena corona.</i>	Florida.		

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Page.	Name.	Locality.
		<b>Conrad.</b> —Omissions and Corrections to the Synopsis of North American Naiades: by T. A. CONRAD.	
vi	449	<b>Unio perobliquus</b> Conrad.	
vi	449	<b>Rangianus</b> Lea.	
vi	449	<b>Sageri</b> Conrad.	
vi	449	<b>Stroph. Etowaensis.</b>	
vi	449	<b>Monodontina Buschiana</b> Conrad. <i>Margarita Von der Buschiana</i> Lea.	
vi	449	<i>Unio pectitius</i> = <b>Scalenaria</b> Agassiz.	
vi	449	<i>Aberti</i> = <b>Crypogenia</b> Agassiz.	
vi	449	<i>fragosus</i> } = <b>Quadrula</b> Agassiz.	
vi	449	<i>nobilis</i> } = <b>Quadrula</b> Agassiz.	
vi	449	<i>apiculatus</i> }	
Mar.	1854.	<b>Conrad.</b> —Notes on Shells, with descriptions of three recent and one fossil species: by T. A. CONRAD.	
vii	31	<i>Gnathodon rostratum</i> Petit = <b>G. flexuosum.</b>	
vii	31	<i>trigonum</i> Petit = <b>G. Lecontei</b> Conrad?	
vii	31	<i>Trigonella</i> Conrad = <b>Pachydesma.</b>	
vii	31	<b>Dolium album</b> Conrad.	
vii	32	<b>Alasmodonta</b> ——— Conrad.	
Dec.	1854.	<b>Lea.</b> —Rectification of Mr. T. A. Conrad's Synopsis of the Family of Naiades, &c.: by ISAAC LEA.	
vii	236	[Mr. LEA's views of synonymy being included in his synopsis, are not quoted here. As regards errors of dates, the following are specified.—W. G. B.]	
		Name.	Mr. Conrad's date.
vii	242	<b>Unio lanceolatus</b> Lea.	1832 }
vii	242	<b>irroratus</b> Lea.	1832 }
vii	243	<b>occidens</b> Lea.	1832 }
vii	243	<b>rubiginosus</b> Lea.	1832 }
		&c.	
			Mr. Lea's date of reading.
			1827
			1829
			Mr. Lea's date of distribution.
			1828
			1829
Jan.	1855.	<b>Conrad.</b> —Descriptions of three new species of Unio: by T. A. CONRAD.	
		Name.	Locality.
vii	256	<b>Unio grandensis</b> Conrad.	Rio Grande, Texas.
vii	256	<b>Taumilapasensis</b> Conrad.	San Juan riv, Taumila-
vii	256	<b>Pearlensis</b> Conrad.	Pearl riv., Miss. [pas.]
Feb.	1855.	<b>Conrad.</b> —Description of a new species of Melania: by T. A. CONRAD.	
vii	269	<b>Melania exigua</b> Conrad.	[Colorado Des., Cal.]
Apr.	1856.	<b>Lea.</b> —Descriptions of new Fresh-water Shells from California: by ISAAC LEA.	
viii	80	<b>Pompholyx</b> Lea (n. g.)	
viii	80	<b>effusa</b> Lea.	Sacramento riv., Cal.
viii	80	<b>Melania Shastaensis</b> Lea.	Shasta & Scott riv, Cal.
viii	80	<b>nigrina</b> Lea.	Clear cr, Shasta Co, Ca.

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Page.	Name.	Locality.		
viii	80	<i>Physa triticea</i> Lea.	Shasta County, Cal.		
viii	80	<i>Planorbis Traskii</i> Lea.	Kern lke., Tulan Co., Ca.		
viii	80	<i>Lymnæa proxima</i> Lea.	Arroya S. Antonio, Ca.		
viii	80	<i>Ancylus patelloides</i> Lea.	Sacramento river, Cal.		
		Notes on—			
viii	80	<i>Margaritana margaritifera</i> Lea. <i>Atasmodonta falcata</i> Gould. <i>Yubansis</i> Trask.	Klamath and Yuba.		
viii	81	<i>Anodonta Wahlamatensis</i> Lea. <i>A. triangulata</i> Trask. <i>rotundovata</i> Trask.	Sacramento river.		
viii	81	<i>angulata</i> Lea. <i>A. feminalis</i> Gould. <i>Randalli</i> Trask.	Upper San Joaquin. [Co., Cal.]		
viii	81	<i>Helix Oregonensis</i> Lea.	P't Cypress, Monterey		
viii	81	<i>Nickliniana</i> Lea.	Tomales Bay & Dead Man's Island.		
viii	81	<i>Californiensis</i> Lea.	Point Cypress.		
viii	81	<i>Lymnæa exigua</i> Lea.	San Antonio Arroya.		
viii	81	<i>pallida</i> Adams.	San Antonio Arroya.		
viii	81	<i>Physa heterostropha</i> Say.	Los Angeles.		
viii	81	<i>Melania occata</i> Hinds.	Sacramento river.		
viii	81	( <i>Paludina</i> ) <i>seminalis</i> Hinds.	Sacramento river.		
viii	81	<i>Planorbis trivolvis</i> Say. <i>ammon</i> Gould.	Horn lake. [Valley. Lagoons, Sacramento		
viii	92	<b>Lea.</b> —Descriptions of twenty-four new species of Exotic Uniones: by ISAAC LEA.			
viii	95	<i>Unio umbrosus</i> Lea.	[Medellin river, Mex.]		
May,	1856.	<b>Lea.</b> —Descriptions of four new species of Exotic Uniones: by ISAAC LEA.			
viii	103	<i>Unio Coloradoensis</i> Lea.	[Rio Colorado, Texas]		
Aug.	1856.	<b>Lea.</b> —Descriptions of fifteen new species of Exotic Melaniana: by ISAAC LEA.			
viii	145	<i>Melania rubida</i> Lea.	[Mexico.]		
Sept.	1856.	<b>Lea.</b> —Description of the byssus in the genus <i>Unio</i> : by ISAAC LEA.			
viii	213				
Nov.	1856.	<b>Lewis.</b> —List of Mollusca in Little Lakes, Otsego County, New York: in a letter from Dr. JAMES LEWIS.			
Vol.	Pa.	Name.	Vol.	Pa.	Name.
viii	259	<i>Unio radiatus</i> Lam.	viii	259	<i>Pisidium ventricosum</i>
viii	259	<i>Anodonta</i> ———?			(? <i>obtusale</i> Pr.) [ <i>Prime.</i>
viii	259	<i>Cyclas similis</i> Say.	viii	259	<i>Lymnæa gracilis</i> Jay.
viii	259	<i>rhomboidea</i> Say.	viii	259	<i>columella</i> Say.
viii	259	<i>crocea</i> Say.	viii	259	<i>appressa</i> Say.
viii	259	<i>Pisidium variabile</i> Prime.	viii	260	————?
viii	259	<i>compressum</i> Prime.	viii	260	<i>disidiosa</i> Say.

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
viii	260	<i>Lymnæa humilis</i> Say.	viii	260	<i>Ancylus</i> ——.
viii	260	<i>Planorbis trivolvis</i> Say.	viii	260	———.
viii	260	var. <i>corpulentus</i> .	viii	260	<i>Paludina decisa</i> Say.
viii	260	<i>campanulatus</i> Say.	viii	260	<i>Ammicola limosa</i> Say.
viii	260	<i>bicarinatus</i> Say.	viii	260	(Pal.) <i>pallida</i> Lea?
viii	260	<i>hirsutus</i> Say.	viii	260	<i>Valvata tricarinata</i> Say.
viii	260	<i>deflectus</i> Say.	viii	260	var. <i>bicarinata</i> Lea.
viii	260	<i>parvus</i> Say.	viii	260	<i>sincera</i> Say.
viii	260	<i>Physa heterostropha</i> S.	viii	260	<i>striata</i> Lewis.
<p><b>Lea.</b>—Descriptions of eleven new species of Exotic Uniones from Georgia: by ISAAC LEA.  [For localities, vide "Journ. Acad. Nat. Sci. of Philad."—W. G. B.]</p>					
viii	262	<i>Unio Elliottii</i> Lea.	viii	262	<i>Unio vicinus</i> Lea.
viii	262	<i>gracillior</i> Lea.	viii	262	<i>subellipsis</i> Lea.
viii	262	<i>pullatis</i> Lea.	viii	262	<i>geminus</i> Lea.
viii	262	<i>favosus</i> Lea.	viii	262	<i>rostræformis</i> Lea.
viii	262	<i>rutilans</i> Lea.	viii	263	<i>Blandianus</i> Lea.
viii	262	<i>errans</i> Lea.			

**Lea, W. G. Binney, &c.**—In the new series of the Proceedings of the Academy of Natural Sciences of Philadelphia, occur the following:—

[The volumes of this series are not numbered.—W. G. B.]

1857. Page.	Name.	Locality.
Jan. 17	<b>Lea.</b> —Observations on the Visual Organs of <i>Unio</i> : by ISAAC LEA.	
Feb.	<b>W. G. Binney.</b> —Descriptions of American Land Shells: by W. G. BINNEY.	
18	<i>Helix intercisa</i> W. G. Binney. <i>H Nickliniana</i> Binney (var.)	Oregon.
19	<i>Succinea lineata</i> W. G. Binney.	Nebraska.
<p><b>Lea.</b>—Descriptions of thirteen new species of Uniones from Georgia: by ISAAC LEA.  [For localities, vide "Journ. Acad. Nat. Sci. of Philad."—W. G. B.]</p>		
	Name.	Page.
31	<i>Unio Blandianus</i> Lea.	32
31	<i>concestator</i> Lea.	32
31	<i>extensus</i> Lea.	32
31	<i>pyriformis</i> Lea.	32
31	<i>Columbensis</i> Lea.	32
32	<i>fallax</i> Lea.	32
32	<i>intercedens</i> Lea.	32
		Name.
		<i>Unio excavatus</i> Lea.
		<i>radians</i> Lea.
		<i>rubellinus</i> Lea.
		<i>umbrosus</i> Lea.
		<i>apicinus</i> Lea.
		<i>Othcaloogensis</i> Lea.

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1857. Page.	Name.	1857. Page.	Name.
March.	<b>Lea.</b> —Descriptions of six new species of Uniones from Alabama: by ISAAC LEA.		
83	<b>Unio propinquus</b> <i>Lea.</i>	83	<b>Unio mundus</b> <i>Lea.</i>
83	<b>Florentinus</b> <i>Lea.</i>	83	<b>Thorntoni</b> <i>Lea.</i>
83	<b>biemarginatus</b> <i>Lea.</i>	83	<b>Moorensianus</b> <i>Lea.</i>
	<b>Lea.</b> —Descriptions of eight new species of Naiades from various parts of the United States: by ISAAC LEA.		
84	<b>Unio pinguis</b> <i>Lea.</i>	84	<b>Unio Texasiensis</b> <i>Lea.</i>
84	<b>Higginsii</b> <i>Lea.</i>	84	<b>Anodonta Lewisi</b> <i>Lea.</i>
84	<b>Abbevillensis</b> <i>Lea.</i>	84	<b>lacustris</b> <i>Lea.</i>
84	<b>Jamesianus</b> <i>Lea.</i>	84	<b>modesta</b> <i>Lea.</i>
	<b>Lea.</b> —Descriptions of three new species of Naiades: by ISAAC LEA.		
85	<b>Unio Poeyanus</b> <i>Lea.</i>	85	<b>Unio Canadensis</b> <i>Lea.</i>
85	Coyucan, Mex.		Montreal.
	<b>Lea.</b> —Descriptions of twelve new species of Naiades from North Carolina: by ISAAC LEA.		
85	<b>Unio Wheatleyi</b> <i>Lea.</i>	86	<b>Unio spadiceus</b> <i>Lea.</i>
85	<b>percoarctatus</b> <i>Lea.</i>	86	<b>insulsus</b> <i>Lea.</i>
85	<b>gracilentus</b> <i>Lea.</i>	86	<b>striatulus</b> <i>Lea.</i>
85	<b>micans</b> <i>Lea.</i>	86	<b>macer</b> <i>Lea.</i>
85	<b>Genthii</b> <i>Lea.</i>	86	<b>contractus</b> <i>Lea.</i>
86	<b>Emmonsii</b> <i>Lea.</i>	86	<b>Anodonta virgulata</b> <i>Lea.</i>
	<b>I. Lea.</b> —Note on—		
101	<b>Unio spinosus.</b>		
	<b>Lea.</b> —Descriptions of six new species of Fresh-water and Land Shells of Texas and Tamaulipas, from the collection of the Smithsonian Institution: by ISAAC LEA.		
101	<b>Unio Berlandierii</b> <i>Lea.</i>	102	<b>Helix (Polygyra) Couchiana</b> <i>Lea.</i>
102	<b>Popeii</b> <i>Lea.</i>		
102	<b>Bairdianus</b> <i>Lea.</i>	102	<b>Tamaulipasensis</b> <i>Lea.</i>
102	<b>Anodonta Henryiana</b> <i>Lea.</i>		
May.	<b>I. Lea.</b>		
104	<i>Unio umbrosus</i> = <b>U. umbrans</b> <i>Lea.</i>		
104	<i>Wheatleyi</i> = <b>U. Catawbensis</b> <i>Lea.</i>		
June.	<b>Conrad.</b> —Descriptions of two new genera of Shells: by T. A. CONRAD.		
165	<b>Gonidea</b> <i>Conr.</i> (n. g.)	165	2 <b>Gonidea feminalis</b> <i>Gld.</i>
165	1 <b>Randalii</b> <i>Trask.</i>		<i>Anodon feminalis</i> <i>Gld.</i>
	<i>Anodon Randalii</i> <i>Trask.</i>	166	3 ? <b>Anodon angulata</b> <i>Lea.</i>

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1857. Page.	Name.	Locality.	
	<b>Conrad.</b> —Description of a new genus of the Family Dreis- senidæ: by T. A. CONRAD.		
167	<b>Mytilopsis</b> <i>Conrad</i> (nov. gen.)	Virginia.	
167	<b>leucophæatus</b> <i>Conrad.</i>		
	<i>Mytilus leucophæatus</i> <i>Conrad.</i>		
	<b>Lea.</b> —Descriptions of twenty-seven new species of Uniones from Georgia: by ISAAC LEA. [For localities, vide "Journ. Acad. Nat. Sci. of Philad."—W. G. B.]		
	Name.	Page.	Name.
169	<b>Unio subgibbosus</b> <i>Lea.</i>	171	<b>Unio tenebricus</b> <i>Lea.</i>
169	<b>Savannahensis</b> <i>Lea.</i>	171	<b>rufus</b> <i>Lea.</i>
169	<b>virens</b> <i>Lea.</i>	171	<b>modicus</b> <i>Lea.</i>
169	<b>sublatus</b> <i>Lea.</i>	171	<b>denigratus</b> <i>Lea.</i>
169	<b>obnubilus</b> <i>Lea.</i>	171	<b>fumatus</b> <i>Lea.</i>
169	<b>opacus</b> <i>Lea.</i>	171	<b>purpurellus</b> <i>Lea.</i>
169	<b>similis</b> <i>Lea.</i>	171	<b>penicillatus</b> <i>Lea.</i>
170	<b>æquatus</b> <i>Lea.</i>	171	<b>Plantii</b> <i>Lea.</i>
170	<b>naviculoides</b> <i>Lea.</i>	172	<b>subniger</b> <i>Lea.</i>
170	<b>viridicatus</b> <i>Lea.</i>	172	<b>bulbosus</b> <i>Lea.</i>
170	<b>subflavus</b> <i>Lea.</i>	172	<b>Maconensis</b> <i>Lea.</i>
170	<b>sudus</b> <i>Lea.</i>	172	<b>obfuscus</b> <i>Lea.</i>
170	<b>tetricus</b> <i>Lea.</i>	172	<b>aquilus</b> <i>Lea.</i>
170	<b>Woodwardius</b> <i>Lea.</i>		
Oct.	<b>W. G. Binney.</b> —Notes on American Land Shells, No. 2: by W. G. BINNEY.		
	Name.		Locality.
183	<b>Helix (Polygyra) acute-dentata</b> <i>W. G.</i> <i>Binney.</i>		Sinaloa, Mexico.
183	<b>(Polygyra) Loisa</b> <i>W. G. Binney.</i>		Sinaloa, Mexico.
184	<b>Mooreana</b> <i>W. G. Binney.</i>		Washington Co., Tex.
185	<b>cultellata</b> <i>Thompson.</i>		Contra Costa Co., Cal.
185	<b>anachoreta</b> <i>W. G. Binney.</i>		California.
185	<b>æruginosa</b> <i>Gld. preoc. = H. arrosa</i> <i>Gld.</i>		
186	<b>tholus</b> <i>W. G. Binney (Polygyra).</i>		Texas.
186	<b>kopnodes</b> <i>W. G. Binney.</i>		Alabama.
187	<b>friabilis</b> <i>W. G. Binney.</i>		Illinois.
187	<b>redimita</b> <i>W. G. Binney.</i>		California? Oregon?
188	<b>Eulimus Dormani</b> <i>W. G. Binney.</i>		St. Augustine, Fla.
189	<b>Glandina corneola</b> <i>W. G. Binney.</i>		Florida?
189	<b>parallela</b> <i>W. G. Binney.</i>		Louisiana.
	Notes on—		
	Name.	Page.	Name.
188	<b>Helix Dupetithouarsi</b>	189	<b>Helix mordax</b> <i>Shuttl.</i>
188	<b>labiosa</b> <i>Gould. [Desh.]</i>	189	<b>multilineata</b> <i>Say.</i>
188	<b>Californiensis</b> <i>Lea.</i>	189	<b>clausa</b> <i>Say.</i>
188	<b>sportella</b> <i>Gould.</i>	180	<b>vincta</b> <i>Val.</i>
188	<b>loricata</b> <i>Gould.</i>	189	<b>dentifera</b> <i>Binney.</i>
189	<b>Rugeli</b> <i>Shuttl.</i>	190	<b>Nuttalliana</b> <i>Lea.</i>



[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1857. Page.	Name.	1857. Page.	Name.
190	<b>Helix Vancouverensis</b>	191	<b>Helix Buffoniana</b> Pfr.
190	<i>egena</i> Say. [Lea.]	191	<i>inflecta</i> Say.
190	<i>fallax</i> Say.	191	<i>polychroa</i> Binney.
190	<i>minutissima</i> Lea.	191	<i>selenina</i> Gould.
190	<i>costata</i> Müll.	191	<i>tenuistriata</i> Binney.
190	<i>glaphyra</i> Say.	191	<i>auriculata</i> Say.
190	<i>saxicola</i> Gld. non Pfr.	192	<i>elevata</i> Say.
190	<i>lucubrata</i> Binney non	192	<i>stenotrema</i> Fer.
190	<i>subplana</i> Binn. [Say.]	192	<b>Bulimus dealbatus</b> Say.
190	<i>intertexta</i> Binney.	192	<b>Achatina pellucida</b> Pfr.
191	<i>septemvolva</i> Say.	192	<b>Bulimus virgulatus</b> Pfr.
191	<i>suppressa</i> Say.	192	<b>Glandina truncata</b> Binney.
191	<i>plicata</i> Say.	192	<b>Helicina orbiculata</b> Say.
191	<i>leporina</i> Gould.	192	<i>chrysocheila</i> Binney.
191	<i>maxillata</i> Gould.		
193	Notes on Say's types of American Land Shells in the Academy's collection.		
1858. March. 13, 14	<b>I. Lea.</b> —Notes on the Geographical distribution of—		
	Name.	Locality.	
14	<b>Unio rubiginosus</b> Lea.	43° N., 37° W. and 50°	
14	<i>luteolus</i> Lam.	N., and Fort Clark,	
14	<i>lævissimus</i> Lea.	Upper Missouri, &c.	
14	<i>occidens</i> Lea.		
14	<i>anodontoides</i> Lea.		
14	<i>asperrimus</i> Lea.		
14	<i>elegans</i> Lea.		
14	<i>rectus</i> Lam.		
14	<i>zigzag</i> Lea.		
14	<i>alatus</i> Say.		
14	<i>undulatus</i> Barnes.		
14	<b>Anodonta Ferussaciana</b> Lea.		
14	<i>decora</i> Lea.		
14	<b>Margaritana complanata</b> Lea.		
	<b>Lea.</b> —Descriptions of new species of <i>Unio</i> from Tennessee, Alabama, and North Carolina: by ISAAC LEA.		
40	<b>Unio turgidulus</b> Lea.	Cumberland riv., Ten. and Florence, Ala.	
40	<i>perradiatus</i> Lea.	Florence, Ala.	
40	<b>Meredithii</b> Lea.	Tenn. r., Florence, Ala.	
40	<b>Pybasii</b> Lea.	Tenn. r., Florence, Ala.	
40	<i>virescens</i> Lea.	Tenn. r., Florence, Ala.	
41	<b>Neusensis</b> Lea.	Neuse river, N. C.	
41	<i>purus</i> Lea.	Neuse river, N. C.	
41	<b>exacutus</b> Lea.	Neuse river, N. C.	

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—*continued.*]

1858. Page.	Name.	Locality.
	<b>Lea.</b> —Descriptions of a new <i>Helix</i> and two new <i>Planorbis</i> : by ISAAC LEA.	
41	<b>Helix Clarkii</b> <i>Lea.</i>	Cherokee Co., N. C.
41	<b>Planorbis Wheatleyi</b> <i>Lea.</i>	Montgomery Co., Ala.
41	<b>Newberryi</b> <i>Lea.</i>	Klamath lake & Canoe creek, Cal.
May.		
114	<b>Lea.</b> —Observations on the Anatomy of <i>Unio</i> : by ISAAC LEA.	
	<b>W. G. Binney.</b> —Notes on American Land Shells, No. 3: by W. G. BINNEY.	
114	<b>Succinea Haydeni</b> <i>W. G. Binney.</i>	Nebraska.
115	<b>Helix Cooperi</b> <i>W. G. Binney.</i>	Nebraska.
115	<b>Newberryana</b> <i>W. G. Binney.</i>	California.
116	<b>Bulimus patriarcha</b> <i>W. G. Binney.</i>	Buena Vista.
June.		
	<b>I. Lea.</b> —Anatomy of—	
135	<b>Unio rubiginosus</b> <i>Lea.</i>	
	<b>Lea.</b> —Descriptions of seven new species of <i>Margaritana</i> and four new species of <i>Anadonta</i> : by ISAAC LEA.	
138	<b>Margaritana Elliottii</b> <i>Lea.</i>	Georgia.
138	<b>triangulata</b> <i>Lea.</i>	[For localities, vide quotations from Jour.]
138	<b>Connasaugaensis</b> <i>Lea.</i>	
138	<b>Etowahensis</b> <i>Lea.</i>	
138	<b>Gesnerii</b> <i>Lea.</i>	
138	<b>Tombecebeensis</b> <i>Lea.</i>	
138	<b>Spillmanii</b> <i>Lea.</i>	
138	<b>Anodonta Hallenbeckii</b> <i>Lea.</i>	
139	<b>Gesnerii</b> <i>Lea.</i>	
139	<b>Dariensis</b> <i>Lea.</i>	
139	<b>Danielsii</b> <i>Lea.</i>	
July.		
	<b>Lea.</b> —Descriptions of twelve new species of <i>Uniones</i> and other Fresh-water Shells of the United States: by ISAAC LEA.	
165	<b>Unio Boswellensis</b> <i>Lea.</i>	Georgia, vide Journal.
165	<b>Postellii</b> <i>Lea.</i>	Georgia, vide Journal.
165	<b>Neislerii</b> <i>Lea.</i>	Georgia, vide Journal.
166	<b>Prattii</b> <i>Lea.</i>	Georgia, vide Journal.
166	<b>Chattanoogaensis</b> <i>Lea.</i>	Georgia, vide Journal.
166	<b>Downiei</b> <i>Lea.</i>	Georgia, vide Journal.
166	<b>Satillaensis</b> <i>Lea.</i>	Georgia, vide Journal.
166	<b>Hazelhurstianus</b> <i>Lea.</i>	Georgia, vide Journal.
166	<b>Melania Postellii</b> <i>Lea.</i>	Georgia.
166	<b>Paludina Elliottii</b> <i>Lea.</i>	Georgia.
166	<b>Lymnea Haydenii</b> <i>Lea.</i>	Yellowstone.
166	<b>Ancylus Newberryi</b> <i>Lea.</i>	Klamath lake, Cal.

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1858.		Name.	1858.		Name.
Pa.	No.		Pa.	No.	
Nov.		<b>W. G. Binney.</b> —Notes on American Land Shells, No. 4: by W. G. BINNEY.			
[The cross references of synonyms in the following catalogues are omitted.—W. G. B.]					
<b>I.</b>					
Familia <b>Limacea.</b>					
197	1	<b>Arion foliatus</b> Gould.	198	29	<b>Helix Pandoræ</b> Forb.
197	2	<b>Limax Columbianus</b> Gould.	198	30	<i>H. damascenus</i> Gould.
			198	31	<b>ramentosa</b> Gould.
			198	32	<b>redemita</b> W. G. Binn.
			198	33	<i>H. Nickliniana</i> (var.) Binn.
			198	32	<b>reticulata</b> Pfr.
			198	33	<b>sportella</b> Gould.
Familia <b>Helicea.</b>					
197	3	<b>Succinea cingulata</b> Forbes.	SPECIES EXCLUSA.		
197	4	<b>Nuttalliana</b> Lea.	198		<b>Helix Sagraiana</b> Orb.
197	5	<b>Oregonensis</b> Lea.	198	34	<b>Bulimus Californicus</b> Rve.
197	6	<b>rusticana</b> Gould.	198	35	<b>chordatus</b> Pfr.
SPECIES EXCLUSA.					
197		<b>Succinea aperta</b> Lea.	198	36	<b>excelsus</b> Gould.
197	7	<b>Helix acutedenta</b> W. G. Binn.	198	37	<i>B. elatus</i> Gould, in tab.
197	8	? var. $\beta$ <b>H. Loisa</b> W. G. B.	198	37	<b>Humboldtii</b> Rve.
197	9	<b>anachoreta</b> W. G. Binn.	198		<i>B. Mexicanus</i> Val., nec Lam.
197	9	<b>areolata</b> Pfr.	198		<i>Mexicanus</i> Pfr. (excl. <i>B. Mexicanus</i> Val.)
197	10	<b>arrosa</b> Gould in litteris.	198	38	<b>Laurentii</b> Sowb.
197		<i>H. xeruginosa</i> Gould.	198	39	<b>Mexicanus</b> Lam.
197	11	<b>aspersa</b> Müll. ?	198		<i>Cochlogena vittata</i> Fer.
197	12	<b>Californiensis</b> Lea.	198	40	<b>vegetus</b> Gould.
197		<i>H. vincta</i> Val.	198		( <i>B. pallidior</i> Sowb.)
197	13	<b>Columbiana</b> Lea.	198	41	<b>vesicalis</b> Gould.
197		<i>H. labiosa</i> Gould.	198	42	<b>zebra</b> Müll.
197	14	<b>devia</b> Gould.	198	43	<b>Ziegleri</b> Pfr.
197		<i>H. Baskervillei</i> Pfr.	198	44	<b>Achatina Californica</b> Pfr.
197	15	<b>Dupetithouarsi</b> Desh.	SPECIES EXCLUSA.		
197		<i>H. Oregonensis</i> (junior) Lea.	198		<b>Achatina Albersi</b> Pfr. = <b>Glandina</b>
197	16	<b>exarata</b> Pfr. ?	198		<b>turris</b> Pfr. = <b>Glandina</b> .
197	17	<b>fidelis</b> Gray.	198	45	<b>Glandina Albersi</b> Pfr.
197		<i>H. Nuttalliana</i> Lea.	198	46	<b>turris</b> ( <i>Achatina</i> ) Pfr. [Carp.
197	18	<b>germana</b> Gould.	198		<i>G. Albersi</i> var. <i>turrita</i> P. P.
197	19	<b>infumata</b> Gould.	198		<i>Oleacina turris</i> Gr. et Pfr.
197	20	<b>intercisa</b> W. G. Binn.	Familia <b>Auriculacea.</b>		
197		<i>H. Nickliniana</i> (var.) Binn.	Sub-familia <b>Melampea.</b>		
197	21	<b>Kelletti</b> Forbes.	198	47	<b>Melampus olivaceus</b> Carp.
197	22	<b>levis</b> Pfr.	Familia <b>Aciculacea.</b>		
197	23	<b>Loisa</b> W. G. Binn.	198	48	<b>Truncatella Californica</b> Pfr.
197		(an <i>H. acutedentata</i> var. ?)	198		<i>T. ———?</i> Carp.
197	24	<b>loricata</b> Gould.	II.		
197		<i>H. Leontii</i> Lea.	Familia <b>Limacea.</b>		
197	25	<b>Mazatlanica</b> Pfr.	198	49	<b>Vaginulus Floridianus</b> Binn.
197	26	<b>Mormonum</b> Pfr.			
197	27	<b>Newberryana</b> W. G. Binn.			
197	28	<b>Nickliniana</b> Lea.			
197		<i>H. nemoraviga</i> Val.			
197		<i>arborescens</i> Val.			
197		<i>Californiensis</i> Pfr.			

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1858. Pa. No.	Name.	1858. Pa. No.	Name.
	SPECIES EXCLUSÆ.		
198	<i>Vaginulus flexuolaris</i> Grat.	199	<i>Philomycus dorsalis</i> Binney = <b>Tebennophorus dorsalis</b> .
198	<i>fuscus</i> Grat.	199	<i>flexuolaris</i> Raf.
198	<i>oxyurus</i> Grat.	199	<i>fuscus</i> Raf.
198	<i>quadrulus</i> Grat.	199	<i>lividus</i> Gr. et Pfr.
198 50	<b>Tebennophorus Carolinensis</b> ( <i>Limax</i> ) Bosc. <i>Limax Carolinianus</i> DeRoissy. <i>Carolinensis</i> Fer. <i>marmoratus</i> De Kay. <i>togata</i> Gould. <i>Philomycus Carolinensis</i> Fer. <i>T. Carolinensis</i> Binn.	199	<i>nebulosus</i> Gr. et Pfr.
198 51	<b>dorsalis</b> Binn. <i>Philomycus dorsalis</i> Binn. <i>Limax dorsalis</i> De Kay.	199	<i>Testacina</i> Raf.
198 52	<b>Arion empiricorum</b> Fer.	199	<i>Urcinella</i> Raf.
198 53	<b>hortensis</b> Fer.	199	<i>Zilotea</i> Raf.
	SPECIES EXCLUSA.	199	<i>Oxyurus</i> Raf.
	<i>Arion foliatus</i> Gould.	199	<i>quadrilus</i> Raf.
198 54	<b>Limax agrestis</b> Müll. <i>L. tunicata</i> Gould.		<b>Familia Helicea.</b>
199 55	<b>campestris</b> Binn.	199 57	<b>Vitrina angelicæ</b> Beck. <i>Helix pellucida</i> Fabr. <i>domestica</i> Ström.
199 56	<b>variegatus</b> Fer. <i>L. flavus</i> Binn.	199 58	<b>limpida</b> Gould. <i>V. pellucida</i> Say. <i>Americana</i> Pfr.
	SPECIES EXCLUSÆ.	199 59	<b>Succinea aurea</b> Lea. <i>S. ovalis</i> teste Anthony.
199	<i>Limax Carolinianus</i> De Roissy = <b>Tebennophorus Carolinensis</b> .	199 60	<b>avara</b> Say. <i>S. Wardiana</i> Lea. var. <b>major</b> .
199	<i>Carolinensis</i> Fer. = <b>Tebennophorus Carolinensis</b> .	199 61	<b>campestris</b> Say.
199	<i>Columbianus</i> Gould.	199 62	<b>concordialis</b> Gould. <i>S. munita</i> Binn.
199	<i>dorsalis</i> De Kay = <b>Tebennophorus dorsalis</b> .	199 63	<b>effusa</b> Shutt.
199	<i>fuliginosus</i> Gould.	199 64	<b>Groenlandica</b> Beck.
199	<i>gracilis</i> Raf.	199 65	<b>Haydeni</b> W. G. Binn. var. <b>minor</b> .
199	<i>marmoratus</i> De K., vide <b>Tebennophorus Carolinensis</b> .	199 66	<b>inflata</b> Lea. <i>S. campestris</i> , var., teste Binn.
199	<i>olivaceus</i> Gould.	199 67	<b>lineata</b> W. G. Binn.
199	<i>togata</i> Gld. = <b>Tebennophorus Carolinensis</b> .	199 68	<b>luteola</b> Gould.
	E LIMACEIS EXCLUSÆ.	199 69	<b>obliqua</b> Say. <i>S. ovalis</i> Say. <i>campestris</i> Gould. <i>lineata</i> De Kay. <i>Cochlohydra ovalis</i> Fer.
199	<i>Eumelus</i> Raf.	199 70	<b>ovalis</b> Gould non Say.
199	<i>lividus</i> Raf.	199 71	<b>retusa</b> Lea. <i>S. ovalis</i> Binn. <i>campestris</i> Anthony.
199	<i>nebulosus</i> Raf.	199 72	<b>Salleana</b> Pfr.
199	<i>Deroceas</i> Raf.	199 73	<b>Totteniana</b> Lea. <i>S. obliqua</i> Binn. nec Say.
199	<i>gracilis</i> Raf.	199 74	<b>vermeta</b> Say = <i>S. avara</i> Say.
199	<i>Philomycus</i> Raf.		SPECIES EXCLUSÆ.
199	<i>Carolinensis</i> Fer. = <b>Tebennophorus Carolinensis</b> .	200	<i>Succinea amphibia</i> Dr.
		200	<i>putris</i> Linn.

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1858.	Name.	1858.	Name.
Pa. No.		Pa. No.	
200 75	<b>Helix albolabris</b> Say. <i>Helicogena albolabris</i> Fer. <i>H. rufa</i> De Kay (junior). var. <b>dentata</b> .	200 90	var. <b>laminifera</b> . <b>Helix chersina</b> Say. <i>H. fulva</i> teste Chemn.
200 76	<b>alternata</b> Say. <i>Helicella alternata</i> Fer. <i>H. scabra</i> Lam. <i>radiata</i> Gmel. <i>H. infecta</i> Pfr. <i>strongylodes</i> Pfr.? var. 1. <b>albina</b> . 2. <b>Australis</b> . 3. <b>carinata</b> ( <i>H. mordax</i> ). 4. <b>lævigator</b> . [Sh.?)	200 91	<b>Clarkii</b> Lea.
200 77	<b>appressa</b> Say. <i>H. linguifera</i> Lam. <i>Helicodonta linguifera</i> Fer. var. a <b>Say</b> .	200 92	<b>clausa</b> Say. <i>H. Pennsylvanica</i> Pfr.
200 78	<b>arborea</b> Say. <i>Helicella arborea</i> Fer. ( <i>H. ni-</i>	201 93	<b>concava</b> Say. <i>H. planorboides</i> Pfr. <i>Helicella planorboides</i> Fer.
200 79	<b>Ariadnæ</b> Pfr. [ <i>tidæ</i> var.] <i>H. Couchiana</i> Lea.	201 94	<b>Cooperi</b> W. G. Binn.
200 80	<b>aspersa</b> Müll.	201 95	<b>Cumberlandiana</b> ( <i>Carocola</i> ). <i>H. Cumberlandiana</i> Binn.
200 81	<b>asteriscus</b> Morse. <i>H. minutissima</i> Gld., nec Lea.	201 96	<b>demissa</b> Binn.
200 82	<b>auriculata</b> ( <i>Polygyra</i> ) Say. <i>H. auriculata</i> Binn. <i>Helicodonta auriculata</i> Fer. var. <b>minor</b> Fer.? Conf. <b>H.</b> <b>uvulifera</b> . [ <i>Binn.</i> ?] <i>H. auriculata</i> var. <b>avara</b>	201 97	<b>dentifera</b> Binn.
200 83	<b>avara</b> ( <i>Polygyra</i> ) Say. <i>H. avara</i> De Kay. <i>auriculata</i> Binn. <i>Sayii</i> Wood. <i>Helicodonta avara</i> Fer.	201 98	<b>divesta</b> Gould. <i>H. abjecta</i> Gould. <i>dejecta</i> Gould.
200 84	<b>barbigera</b> Redf.	201 99	<b>Dorfeulliana</b> ( <i>Polygyra</i> ) Lea. <i>H. fatigiata</i> Binn. <i>Dorfeulliana</i> Bld. nec Pfr.
200 85	<b>bucculenta</b> Gould. <i>H. thyroides</i> (var. $\beta$ ) Pfr.? <i>Helicodonta thyroides</i> (var. $\beta$ ) var. <b>minor</b> . [Fer.?)	201 100	<b>Edgariana</b> ( <i>Carocola</i> ) Lea. <i>H. Edgariana</i> Pfr. <i>spinosa</i> (var.) Binn.
200 86	<b>bulbina</b> Desh.	201 101	<b>Edwardsi</b> Bld.
200 87	<b>capsella</b> Gould. <i>H. rotula</i> Gould. <i>placentula</i> Shutt.	201 102	<b>egena</b> Say. non <i>H. egena</i> Gould.
200 88	<b>cellaria</b> Müll. ? <i>H. glaphyra</i> Say, nec Pfr. <i>Helicella glaphyra</i> Fer.	201 103	<b>electrina</b> Gould. <i>H. nitidosa</i> (var.) Pfr. <i>pura pars</i> Chemn.
200 89	<b>cereolus</b> Mühl. <i>Polygyra septemvolva</i> Say. <i>H. septemvolva</i> Binn. <i>Helicodonta septemvolva</i> Fer. <i>H. planorbula</i> Lam.	201 104	<b>elevata</b> Say. <i>Helicodonta Knoxvilliana</i> Fer. <i>H. Tennesseensis</i> (jun.) Lea.
		201 105	<b>Elliotti</b> Redf.
		201 106	<b>exigua</b> Stimp. <i>H. annulata</i> Case. <i>striatella</i> (jun.) teste Gld.
		201 107	<b>exoleta</b> Binn. <i>H. albolabris</i> $\delta$ <i>unidentata</i> Pfr. <i>albolabris</i> (var.) D. Chemn. <i>Helicodonta albolabris</i> (var.) <i>H. zaleta</i> Binn. [Fer.]
		201 108	<b>Fabricii</b> ( <i>Petasia</i> ) Beck. <i>H. Fabricii</i> Möll. <i>Hannoniis</i> Ström.? <i>nitida</i> Fabr.? <i>alliaris</i> Forbes.
		201 109	<b>fallax</b> Say. <i>H. tridentata</i> Binn.
		201 110	<b>fatigiata</b> ( <i>Polygyra</i> ) Say. <i>H. fatigiata</i> Binn. <i>Texasiana</i> (var.) B. Chemn. <i>Texasiana</i> $\beta$ Pfr. <i>Dorfeulliana</i> Desh.

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1858. Pa. No.	Name.	1858. Pa. No.	Name.
201 111	<i>Helicina fastigiata</i> De Kay. <b>Helix friabilis</b> W. G. Binn. <i>H. lucubrata</i> Pfr. in litt.	202 127	<b>Helix inornata</b> Say. <i>H. glaphyra</i> Pfr.
201 112	<b>fuliginosa</b> Binn. <i>H. cupillacea</i> Pfr. <i>Omphalina cuprea</i> Raf.?	202 128	<b>interna</b> Say. <i>H. pomum-Adami</i> Green var. <b>albina</b> .
202 113	<b>griseola</b> Pfr. <i>H. splendidula</i> An. <i>cicercula</i> Fer. MS. <i>Brandybæne pisum</i> Beck. <i>H. albozonata</i> Binn.?	202 129	<b>intertexta</b> Binn. var. <b>carinata</b> .
202 114	<b>gularis</b> Say. <i>H. bicostata</i> Pfr. <i>Helicodonta gularis</i> Fer. <i>Helicostyla Rafinesquea</i> Fer.? var. <b>umbilicata</b> .	202 130	<b>jejuna</b> Say. <i>H. Mobiliana</i> Lea.
202 115	<b>Gundlachi</b> Pfr. <i>H. pusilla</i> Pfr. <i>egena</i> Gould, nec Say.	203 131	<b>kopnodes</b> W. G. Binn.
202 116	<b>Hazardi</b> Bland. <i>Polygyra plicata</i> Say. <i>H. fatigiata</i> Binn. <i>Texasiana</i> Pfr. <i>Dorfeulliana</i> Desh. <i>Troostiana</i> W. G. Binn. <i>Helicina plicata</i> De Kay.	203 132	<b>labyrinthica</b> Say. <i>Helicodonta labyrinthica</i> Fer.
202 117	<b>Hindsi</b> Pfr.	203 133	<b>lævigata</b> Pfr. (excl. <i>H. inornata</i> Rve. <i>Helicella lævigata</i> Fer. [nata. <i>H. inornata</i> Rve. <i>lucubrata</i> Binn. <i>fuliginosa</i> Binn. var. <b>major</b> Pfr. (an <i>H. lævilasmodon</i> Phill. [gata Rve.?) ? <i>H. macilenta</i> Shutt.
202 118	<b>hippocrepis</b> Pfr.	203 134	<b>leporina</b> Gould. <i>H. pustula</i> (var. $\beta$ ) Pfr.
202 119	<b>hirsuta</b> Say. <i>H. fraterna</i> Wood. <i>sinuata</i> $\gamma$ Gmelin. <i>isognomostomus</i> $\gamma$ Gmelin. <i>Helicodonta hirsuta</i> Fer. <i>Tridopsis hirsuta</i> Woodw. <i>Stenostoma convexa</i> Raf. <i>H. porcina</i> (junior?) Say.	203 135	<b>ligera</b> Say. <i>Helicostyla Rafinesquea</i> Fer.? <i>H. Rafinesquea</i> Pfr. <i>Wardiana</i> Lea.
202 120	<b>hispida</b> Linn.	203 136	<b>limatula</b> Ward in Binn.
202 121	<b>Hopetonensis</b> Shutt. <i>H. tridentata</i> Binn.	203 137	<b>lineata</b> Say. <i>Helicella lineata</i> Fer. <i>Planorbis parallelus</i> Say?
202 122	<b>hortensis</b> Müll. <i>H. nemoralis</i> Stimp. <i>subglobosa</i> Binn.	203 138	<b>major</b> Binn. <i>H. albolabris</i> Pfr. <i>Helicogena albolabris</i> $\gamma$ Fer.
202 123	<b>hydrophila</b> Ingalls. <i>H. lucida</i> Drap.	203 139	<b>microdonta</b> Desh. in Fer. <i>H. plana</i> Dunker.
202 124	<b>incrustedata</b> Poey. <i>H. saxicola</i> Binn.	203 140	<b>minuscule</b> Binn. <i>H. minutalis</i> Mor., nec Fer. <i>apex</i> Rve. <i>Lavelleana</i> Orb. in textu. <i>Mauriniana</i> Orb. in tab.
202 125	<b>indentata</b> Say. var. <b>umbilicata</b> .	203 141	<b>minutissima</b> Lea.
202 126	<b>inflecta</b> Say. <i>Xolotrema clausa</i> Raf. <i>Helicodonta clausa</i> Fer. <i>H. clausa</i> Desh. <i>porcina</i> (junior?) Say.	203 142	<b>Mitchelliana</b> Lea. <i>H. clausa</i> Binn. <i>Mitchella</i> Kirt.?
		203 143	<b>monodon</b> Rack. <i>H. convexa</i> Chemn. <i>Helicodonta hirsuta</i> a Fer. var. 1. <b>H. fraterna</b> Say. <i>H. monodon</i> ex parte De Kay. <i>convexa</i> Chemn. var. 2. <b>H. Leaili</b> Ward. <i>H. monodon</i> $\gamma$ Pfr.
		203 144	<b>Mooreana</b> W. G. Binn.
		203 145	

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1858. Pa. No.	Name.	1858. Pa. No.	Name.
203 146	<b>Helix mordax</b> Shutt.		<i>H. alliararia</i> Forbes.
203 147	<b>multidentata</b> Binn.		<i>nitida</i> Fab.
203 148	<b>multilineata</b> Say. <i>Helicogena multilineata</i> Fer. var. <i>albina</i> . var. <i>rufa</i> , <i>unicolor</i> .	205 165	<b>Helix stenotrema</b> Fer. <i>H. hirsuta</i> (var. $\beta$ ) Pfr.
204 149	<b>obstricta</b> Say. <i>H. palliata</i> (var. a) Say. <i>appressa</i> (var.) Desh. <i>Helicodonta denotata</i> (var.) <i>Carocolla helicoides</i> Lea. [Fer.]	205 166	<b>striatella</b> Anth. <i>H. patula</i> (junior?) Pfr. <i>runderata</i> Ad., nec Studer.
204 150	<b>Ottonis</b> Pfr. <i>H. arborea</i> Pfr.	205 167	<b>subplana</b> Binn.
204 151	<b>palliata</b> Say. <i>Helicodonta denotata</i> Fer. <i>H. denotata</i> Desh. in Lam. <i>notata</i> Desh. var. <b>Carolinensis</b> . <i>H. Carolinensis</i> Lea. <i>palliata</i> (var. c) De Kay.	205 168	<b>suppressa</b> Say. <i>H. gularis</i> (var. $\beta$ ) Pfr.
204 152	<b>Pennsylvanica</b> Green. <i>H. Mitchelliana</i> Desh. in Fer.,	205 169	<b>tenuistriata</b> Binn. <i>H. vortex</i> Gould, nec Pfr.
204 153	<b>perspectiva</b> Say. [nec Lea. <i>Helicella perspectiva</i> Fer. <i>H. patula</i> Desh.	205 170	<b>Texasiana</b> Mor. <i>H. auriculata</i> Binn. <i>fatigiata</i> Fer. var. <b>H. triodonta</b> Jan? ( <i>H. Texasiana</i> Fer.)
204 154	<b>profunda</b> Say. <i>Helicella Richardi</i> Fer. <i>H. Richardi</i> Lam. <i>Polygyra profundum</i> Ad. Gen. var. <i>unicolor</i> . var. <i>albina</i> .	205 171	<b>tholus</b> W. G. Binn.
204 155	<b>pulchella</b> Müll. <i>H. minuta</i> Say. var. <i>costata</i> , <i>H. costata</i> Müll.	205 172	<b>thyroides</b> Say. <i>H. thyroidus</i> Say. <i>Helicodonta thyroidus</i> Fer. <i>H. thyroides</i> Chemn. <i>Anchistoma thyroides</i> Ad.,
204 156	<b>pustula</b> ( <i>Helicodonta</i> ) Fer. <i>H. pustula</i> Pfr. <i>fatigiata</i> Binn. <i>leporina</i> W. G. Binn.	205 173	<b>tridentata</b> Say. <i>Helicodonta tridentata</i> Fer. <i>Triodopsis lunula</i> Raf.
204 157	<b>pustuloides</b> Bld. <i>H. pustula</i> Binn., non Fer.	205 174	<b>Troostiana</b> ( <i>Polygyra</i> ) Lea. <i>H. Troostiana</i> Pfr. <i>fatigiata</i> Binn. var. <i>plicata</i> Binn. <i>plicata</i> Shutt., nec Say.
204 158	<b>Roëmeri</b> Pfr. <i>H. dentifera</i> Pfr.	205 175	<b>uvulifera</b> Shutt. <i>H. florulifera</i> Rve. <i>auriculata minor</i> Fer.?
204 159	<b>Rugeli</b> Shutt.	205 176	<b>varians</b> Menke. <i>H. carnicolor</i> Pfr. <i>pisana</i> Mart. et Chemn. <i>submeris</i> Migh. <i>rhodocheila</i> Binn. <i>polychroa</i> Binn. <i>Helicella carnicolor</i> Fer. <i>Hemitrochus hæmastomus</i> Sowb. var. $\beta$ . <i>H. apicina</i> Menke.
205 160	<b>Sayii</b> Binn. <i>H. diodonta</i> Say.	206 177	<b>ventrosula</b> Pfr. var. <i>depressa</i> .
205 161	<b>sculptilis</b> Bld.	206 178	<b>volvoxis</b> Pfr. <i>Polygyra septemvolva</i> Beck?
205 162	<b>solitaria</b> Say. var. <i>minor</i> .	206 179	<b>vortex</b> Pfr. <i>H. selenina</i> Gould.
205 163	<b>spinosa</b> ( <i>Carocolla</i> ) Lea. <i>H. spinosa</i> Binn. (excl. <i>H. Edgariana</i> .) [Mörch.]	206 180	<b>vultuosa</b> Gould.
205 164	<b>Steenstrupii</b> ( <i>Helicella</i> ) <i>Helicella</i> (n. s.) Steens.	206	SPECIES EXCLUSÆ. <i>Helix arbustorum</i> Linn.

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1858. Pa. No.	Name.	1858. Pa. No.	Name.
206	<i>Helix Bonplandi</i> Lam.	206 194	<b>Bulimus serperastrus</b> Say.
206	<i>harpa</i> Say = <b>Bulimus</b> .	206 195	<b>subula</b> Pfr.
206	<i>dealbata</i> Say = <b>Bul. dealbatus</b> .		<i>B. procerus</i> Adams.
206	<i>depicta</i> Grat.		<i>octonoides</i> Orb.
206	<i>domestica</i> Ström. = <b>Vitrina ange-</b>		<i>hortensis</i> Ad. ?
	<b>licæ.</b> [Beck?]		<i>Achatina subula</i> Pfr.
206	<i>hieroglyphica</i> ( <i>Euryomphala</i> )	206 196	<b>zebra</b> ( <i>Buccinum</i> ) Müll.
206	<i>irrorata</i> Say = <b>H. lactea</b> .		<i>Zebra Mülleri</i> Mart. et Chemn.
206	<i>subcylindrica</i> Linn. ?		<i>Bulla zebra</i> Melin.
206	<i>pellucida</i> Fabr. = <b>Vitrina ange-</b>		<i>B. undatus</i> Brug.
	<b>licæ.</b>		<i>Cochlostyla undata</i> Fer. [Fer.
206	<i>Pisana</i> Müll. ?		<i>Achatina flammigera</i> Say, nec
206	<i>subcylindrica</i> Pult. = <b>Trunca-</b>		<i>zebra</i> Pfr.
	<b>tella.</b>		<i>Agatina fuscata</i> Raf.
206	<i>Trumbulli</i> Lins. = <b>Skenia ser-</b>		<i>Orthaliscus undatus</i> Shutt.
	<b>puloides</b> Mont.		var. $\gamma$ . <b>B. princeps</b> Brod.
206	<i>virgata</i> Mont. ?		<i>Cochlostyla princeps</i> Orb.
			<i>Orthaliscus princeps</i> Shutt.
206 181	<b>Bulimus acicula</b> ( <i>Buccinum</i> )		
206 182	<b>alternatus</b> Say. [Müll.]		SPECIES EXCLUSÆ.
	<i>B. lactarius</i> Pfr.	207	<b>Bulimus exiguus</b> Binn. = <b>Cary-</b>
	<i>dealbatus</i> Binn.		<b>chium.</b>
206 183	<b>Binneyanus</b> Pfr. in litt.	207	<i>fasciatus</i> Binn. = <b>Achatina.</b>
	<i>B. dealbatus</i> Binn.	207	<i>Gossei</i> Pfr. vide <b>Macrocera-</b>
	<i>Schiedeanus</i> Gould.		<b>mus pontificus.</b>
206 184	<b>dealbatus</b> ( <i>Helix</i> ) Say.	207	<i>Kieneri</i> Pfr. vide <b>Macrocera-</b>
	<i>B. dealbatus</i> Pot. et Mich.		<b>mus pontificus.</b>
	<i>confinis</i> Rve.	207	<i>lubricus</i> Adams = <b>Achatina.</b>
	<i>liquabilis</i> Rve.	207	<i>obscurus</i> Dr. vide <b>Pupa placida</b>
206 185	<b>decollatus</b> ( <i>Helix</i> ) Linn.		Say.
	<i>B. mutilatus</i> Say.	207	<i>striatus</i> Brug. = <b>Glandina</b>
206 186	<b>Dormani</b> W. G. Binn.		<b>truncata.</b>
206 187	<b>Floridianus</b> Pfr.	207	<i>vexillum</i> Brug. = <b>Achatina fas-</b>
206 188	<b>gracillimus</b> Pfr.		<b>ciata.</b>
	<i>Achatina gracillima</i> Pfr.	207	<i>zebra</i> Orb. = <b>Ach. fasciata.</b>
	<i>B. striaticostatus</i> Orb.		
206 189	<b>harpa</b> ( <i>Helix</i> ) Say.	207 197	<b>Macroceramus pontificus</b> ( <i>Cy-</i>
	<i>B. harpa</i> Pfr.		<i>lindrella</i> ) Gould.
	<i>Pupa costulata</i> Migh.		<i>Pupa unicarinata</i> Binn. [Müll.]
206 190	<b>marginatus</b> ( <i>Cyclostoma</i> ) Say.	207 198	<b>Achatina fasciata</b> ( <i>Buccinum</i> )
	<i>B. marginatus</i> Pfr.		<i>Bulla fasciata</i> Mart. et Chemn.
	<i>fallax</i> Gould.		<i>Bulimus vexillum</i> Brug., nec
	<i>Pupa fallax</i> Say.		De Kay.
	<i>albilabris</i> Adams.		<i>Cochlitoma vexillum</i> Fer.
	<i>Parraiana</i> Orb.		<i>A. vexillum</i> Lam.
206 191	<b>multilineatus</b> Say.		<i>fasciata</i> Swain.
	<i>B. virgulatus</i> Binn.		<i>lineata</i> Valen.
	<i>Menkei</i> Gruner.		<i>Bulimus fasciatus</i> Binn.
	<i>venosus</i> Rve. ?		<i>Agatina variegata</i> Raf.
206 192	<b>octona</b> Ch.		junior <i>A. murrhea</i> Rve.
206 193	<b>Schiedeanus</b> Pfr.		var. $\beta$ . <b>A. pallida</b> Swain.
	var. $\beta$ . <b>fauce nigra.</b>		<i>Cochlitoma vexillum</i> (var.) Fer.
	var. $\gamma$ . <b>apice nigra.</b>		var. $\gamma$ . <b>A. crenata</b> Swain.



[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1858. Pa. No.	Name.	1858. Pa. No.	Name.
	<i>A. anais</i> Less. <i>fasciata</i> (var.) Rve. <i>Bulimus zebra</i> Orb. var. ζ. <i>A. solida</i> Say.	208 207	<b>Pupa armifera</b> ( <i>Carychium</i> ?) <i>P. armifera</i> Gould. [Say. <i>armigera</i> Pot. et Mich. <i>rupicola</i> Pfr.
207 199	<b>Achatina lubrica</b> ( <i>Helix</i> ) Müll. <i>A. lubrica</i> Pfr. <i>Bulimus lubricus</i> Adams. <i>lubricoides</i> Stimps.	208 208	<b>badia</b> Adams. <i>P. muscorum</i> Linn.
207 200	<b>picta</b> Rve. <i>Bulimus fasciatus</i> (var.) Binn.	208 209	<b>contracta</b> ( <i>Carychium</i> ) Say. <i>P. contracta</i> Gould. <i>deltostoma</i> Charp. in Chem. <i>corticaria</i> Pfr. <i>Vertigo contracta</i> Ad. Gen.
	SPECIES EXCLUSÆ.	208 210	<b>corticaria</b> Say. <i>Odostomia corticaria</i> Say. <i>Carychium corticaria</i> Fer.
207	<i>Achatina bullata</i> Pfr. = <b>Glandina</b> .	208 211	<b>decora</b> Gould. <i>Vertigo decorata</i> Ad. Gen.
207	<i>flammigera</i> Say = <b>Bulimus zebra</b> .	208 212	<b>Hoppii</b> Möll. <i>P. Steenbuchii</i> Beck.
207	<i>gracillima</i> Pfr. = <b>Bulimus gracillimus</b> .	208 213	<b>incana</b> Binn. <i>P. detrita</i> Shutt. <i>maritima</i> γ Pfr., Gould. var. <i>fasciata</i> .
207	<i>pellucida</i> Pfr. = <b>Blauneria</b> .	208 214	<b>modica</b> Gould.
207	<i>rosea</i> Desh. = <b>Gland. truncata</b> .	208 215	<b>pentodon</b> ( <i>Vertigo</i> ) Say. <i>P. pentodon</i> Gould. <i>Tappaniana</i> Adams. <i>curvidens</i> Gould.
207	<i>striata</i> De Kay = <b>Gl. truncata</b> ?		
207	<i>subula</i> Pfr. = <b>Bulimus</b> .	208 216	<b>placida</b> Say. <i>Bulimus marginatus</i> Say. <i>obscurus</i> Müll.
207	<i>Texasiana</i> Pfr. = <b>Glandina</b> .		
207	<i>truncata</i> Pfr. = <b>Glandina</b> .	208 217	<b>rupicola</b> ( <i>Carychium</i> ) Say. <i>P. rupicola</i> Gould. <i>procera</i> Gould. <i>carinata</i> Gould. <i>Vertigo rupicola</i> Binn. <i>minuta</i> Ad. Gen.?
207	<i>voxillum</i> De Kay, vide <b>A. virginea</b> .		
207	<i>Vanuzemensis</i> Pfr. = <b>Glandina</b> .		
207	<i>virginea</i> Linn. ( <i>A. vexillum</i> De Kay, nec Brug.)	208 218	<b>variolosa</b> Gould.
207 201	<b>Glandina bullata</b> Gould. <i>Achatina bullata</i> Pfr. <i>Oleacina bullata</i> Gr. et Pfr.		
207 202	<b>corneola</b> W. G. Binn. <i>G. truncata</i> (var.?) Binn.		
207 203	<b>parallela</b> W. G. Binn. <i>G. truncata</i> (var.) Binn.		
207 204	<b>Texasiana</b> ( <i>Achatina</i> ) Pfr.		
207 205	<b>truncata</b> ( <i>Bulla</i> ) Gmelin. <i>Buccinum striatum</i> Mart. et Chemn. <i>Bulimus striatus</i> Brug. <i>Cochlicopa rosea</i> Fer. <i>Achatina rosea</i> Desh. <i>striata</i> Desh. <i>truncata</i> Orb. <i>G. truncata</i> Say. <i>Oleacina truncata</i> Gr. et Pfr. <i>Polyphemus glans</i> Say. <i>Planorbis glans</i> De Kay.		
208 206	<b>Vanuzemensis</b> Lea. <i>Achatina Vanuzemensis</i> Pfr. <i>Oleacina Vanuzemensis</i> Gr. et Pfr.		
			SPECIES EXCLUSÆ. <b>Pupa albilabris</b> Ad. = <b>Bul. marginatus</b> . <i>costulata</i> Migh. = <b>Bul. harpa</b> . <i>exigua</i> Say = <b>Carychium</b> . <i>fallax</i> Say = <b>Bul. marginatus</b> . <i>Gouldii</i> Binn. = <b>Vertigo</b> . <i>milium</i> Gould = <b>Vertigo</b> . <i>modesta</i> Say = <b>Vertigo ovata</b> . <i>ovata</i> Gould = <b>Vertigo</b> . <i>ovulum</i> Pfr. = <b>Vertigo ovata</b> . <i>Parraiana</i> Orb. = <b>Bul. marginatus</b> .

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1858.	Name.	1858.	Name.
Pa. No.		Pa. No.	
208	<i>Pupa simplex</i> Gould = <b>Vertigo</b> .	209 223	<b>Cylindrella Goldfussl</b> Menke.
208	<i>unicarinata</i> Binn. = <b>Macroceramus pontificus</b> .	209 224	<i>jejuna</i> Gould.
		209 225	<b>Poeyana</b> Orb.
208 219	<b>Vertigo Gouldii</b> Binn.		<i>C. lactaria</i> Binn.
	<i>Pupa Gouldii</i> Binn.	209 226	<b>Rœmeri</b> Pfr.
209 220	<b>milium</b> Gould.		SPECIES EXCLUSA.
	<i>Pupa milium</i> Gould.	209	<i>Cylindrella pontifica</i> Gould = <b>Macroceramus</b> .
209 221	<b>ovata</b> Say.		<b>Familia Auriculacea.</b>
	<i>Pupa ovata</i> Gould.		Sub-familia <b>Melampea.</b>
	<i>modesta</i> Say.	209 227	<b>Melampus bidentatus</b> Say.
	<i>ovulum</i> Pfr.		<i>M. biplicatus</i> Pfr.
209 222	<b>simplex</b> Gould.		<i>corneus</i> Stimp.
	<i>Pupa simplex</i> Gould.		<i>Jaumei</i> Pfr.
	SPECIES EXCLUSÆ.		<i>Auricula biplicata</i> Desh.
209	<i>Vertigo contracta</i> Ad. Gen. = <b>Pupa</b> .		<i>cornea</i> Desh.
209	<i>decora</i> Ad. Gen. = <b>Pupa</b> .		<i>bidentata</i> Gould.
209	<i>minuta</i> Ad. Gen., vide <b>Pupa rupentodon</b> Say = <b>Pupa</b> . [ <i>picola</i> .		<b>non Auricula bidens</b> (Say) Pot.
209	<i>rupicola</i> Binn. = <b>Pupa</b> .		et Mich.
	E HELICIS EXCLUSÆ.		<i>Auricula Jaumei</i> Mitre.
209	<b>Aplodon</b> Raf.		var. <b>lineatus</b> Say.
209	<b>nodosum</b> Raf.		<i>Melampus bidentatus</i> β Pfr.
209	<b>Chimotrema</b> Raf.	209 228	<i>Auricula bidentata</i> (var. a) De
209	<b>planiuscula</b> Raf.		<b>cingulatus</b> Pfr. [Kay.
209	<b>Hemiloma</b> Raf.		<i>Auricula cingulata</i> Pfr.
209	<b>avara</b> Raf.		<i>oliva</i> Orb.
209	<b>Mesodon</b> Raf.	209 229	<b>coffea</b> ( <i>Voluta</i> ) Linn.
209	<b>maculatum</b> Raf.		<i>Bulla coffea</i> Linn.
209	<b>Mesomphix</b> Raf.		<i>Voluta minuta</i> Gmel. [tini?
209	<b>Odomphium</b> Raf.		<i>Auricula midæ parva</i> &c. Mar-
209	<i>Odostomia</i> Say = <b>Pupa</b> .		<i>Ellobium Barbadense</i> Boelten?
209	<i>corticaria</i> Say = <b>Pupa</b> .		<i>Bulimus coniformis</i> Brug.
209	<b>Odotropis</b> Raf.		<i>M. coniformis</i> Montf.
209	<b>Omphalina</b> Raf.		<i>fusca</i> Mörch.
209	<i>cuprea</i> Raf., vide <b>Helix</b> .		<i>coffea</i> Mörch.
209	<b>fuliginosa</b> .		<i>Melampa minuta</i> Pfr.
209	<b>Partula Otaheitana</b> Fer.		<i>Tornatelle coniforme</i> Blain.
209	<b>Stenostoma</b> Raf.		<i>Auricula coniformis</i> Fer.
209	<i>Stenotrema</i> Raf.		<i>ovula</i> Orb.
209	<i>convexa</i> Raf.		<i>Conovulus coniformis</i> Lam.
209	<b>Toxostoma</b> Raf.		<i>M. coffeus</i> Beck.
209	<b>globularis</b> Raf.		<i>coffea</i> Gray?
209	<b>Toxotrema</b> Raf.		<i>obliquus</i> Say?
209	<b>globularis</b> Raf.	210 230	<b>Floridianus</b> ( <i>Auricula</i> ) Shutt.
209	<b>complanata</b> Raf.		<i>M. Floridianus</i> Pfr.
209	<b>Triodopsis</b> Raf.	210 231	<b>obliquus</b> Say.
209	<b>Trophodon</b> Raf.		<i>Auricula obliqua</i> De Kay.
209	<b>Xolotrema</b> Raf.	20 232	<b>pusillus</b> ( <i>Voluta</i> ) Gmel.
209	<i>lunula</i> Raf.		<i>Auricula midæ parva</i> &c. Mart.
209	<b>triodopsis</b> Raf.		et Chemn.

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1858. Pa. No.	Name.	1858. Pa. No.	Name.
	<i>Voluta triplicata</i> Don.		<i>Achatina pellucida</i> Gould.
	<i>Bulimus ovulus</i> Brug.		<i>Tornatellina Cubensis</i> Pfr.
	<i>Melampa ovulum</i> Schw.		<i>Odostomia? Cubensis</i> Poey.
	<i>Conovula ovula</i> Fer.	210 235	<b>Leuconia? Sayii</b> ( <i>Auricula</i> ) <i>L.? Sayii</i> Pfr. [Küst.
	<i>Auricula nitens</i> Lam. <i>pusilla</i> Desh. <i>leucodonta</i> Nuttall.	210 236	An <i>Alexia myosotis?</i> <b>Carychium exiguum</b> ( <i>Pupa?</i> ) <i>C. exiguum</i> Pfr. [Say. <i>exile</i> H. C. Lea. <i>existellium</i> Bourg.? <i>euphæum</i> Bourg.? <i>Bulimus exiguus</i> Binn. <i>Pupa exigua</i> Gould.
	<i>Conovulus nitens</i> Voigt. <i>pusillus</i> Anton.		
	<i>M. ovulum</i> Lowe. <i>nitens</i> Shuttl.		
	<i>Pythia orulum</i> Beck. <i>triplicata</i> Beck.		
	<i>Tralia pusilla</i> Ad. Gen. <i>ovulum</i> Mörch.		
	SPECIES EXCLUSÆ.	211	<i>Carichium? armigera</i> Say= <b>Pupa.</b>
210	<i>Melampus borealis</i> Conr. = <b>Alexia</b>	211	<i>corticaria</i> Fer. = <b>Pupa.</b>
	<b>myosotis.</b>	211	<i>contracta</i> Say = <b>Pupa.</b>
210	<i>denticulatus</i> Stimp. = <b>Alexia</b>	211	<i>rupicola</i> Say = <b>Pupa.</b>
	<b>myosotis.</b>		
	Sub-familia <b>Auriculea.</b>		
	SPECIES EXCLUSÆ.	211 237	<b>Familia Aciculacea.</b> <b>Truncatella bilabiata</b> Pfr.
210	<i>Auricula bidentata</i> Gould = <b>Mel-</b>	211 238	<b>Caribæensis</b> Sowb. <i>T. variabilis</i> Pfr. <i>Gouldii</i> C. B. Ads. <i>Geurinii</i> Parr. <i>succinea</i> C. B. Ads.
	<b>lampus.</b>		
210	<i>biplicata</i> Desh. = <b>Melampus</b>	211 239	<b>pulchella</b> Pfr.
	<b>bidentatus.</b>	211 240	<b>subcylindrica</b> Gray. <i>Helix subcylindrica</i> Pult. <i>T. truncatella</i> Lowe? <i>Caribæensis</i> Pfr.
210	<i>cingulata</i> Pfr. = <b>Melampus.</b>		
210	<i>coniformis</i> Fer. = <b>Mel. coffea.</b>		
210	<i>cornea</i> Desh. = <b>Melampus bi-</b>		
	<b>dentatus.</b>		
210	<i>denticulata</i> Gould = <b>Alexia my-</b>		
	<b>osotis.</b>		
210	<i>Floridianus</i> Shut. = <b>Melampus.</b>		
210	<i>Jaumei</i> Mittr. = <b>Melampus bi-</b>	211 241	<b>Familia Cyclostomacea.</b> Sub familia <b>Cistulea.</b> <b>Chondropoma dentatum</b> ( <i>Cy-</i> <i>clostoma</i> ) Say. <i>Cyclostoma dentatum</i> De Kay. <i>lineolatum</i> Anton. <i>Auberianum</i> Orb.? <i>humulatum</i> Mörch. <i>crenulatum</i> Pfr. <i>Chondropoma crenulatum</i> Pfr. <i>dentatum</i> Pfr.
	<b>dentatus.</b>		
210	<i>nitens</i> Lam. = <b>Mel. pusillus.</b>		
210	<i>obliqua</i> De Kay = <b>Melampus.</b>		
210	<i>oliva</i> Orb. = <b>Mel. cingulatus.</b>		
210	<i>pusilla</i> Desh. = <b>Melampus.</b>		
210	<i>Sayii</i> Küster = <b>Leuconia.</b>		
210	<i>stenostoma</i> Küster = <b>Melampus</b>		
	<b>cingulatus.</b>		
210 233	<b>Alexia myosotis</b> ( <i>Auricula</i> ) <i>A. myosotis</i> Pfr. [Drap. <i>Auricula denticulata</i> Gould. <i>Melampus denticulatus</i> Stimp. <i>borealis</i> Conr.	211	<i>Cyclostoma Auberianum</i> Orb., vide <b>Chondropoma dentatum.</b> <i>Cincinnatiensis</i> Lea = <b>Ammicola.</b> <i>crenulatum</i> Pfr. = <b>Chondropo-</b> <b>ma dentatum.</b>
210 234	<b>Blauneria pellucida</b> Pfr. <i>Achatina? pellucida</i> Pfr.	211	
		211	

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1858. Pa. No.	Name.	1858. Pa. No.	Name.
211	<i>Cyclostoma dentatum</i> Say = <b>Chondropoma</b> .	211 247	<b>Helicina tropica</b> Pfr. <i>H. ambeliana</i> Sowb., nec DeB. <i>orbiculata</i> Binn., nec Say.
211	<i>lapidaria</i> Say = <b>Ammicola</b> .		
211	<i>lineolatum</i> Anton = <b>Chondropoma dentatum</b> .		
211	<i>lunulatum</i> Mörch. = <b>Chondropoma dentatum</b> .	211	<b>SPECIES EXCLUSÆ.</b> <i>Helicina fastigiata</i> DeKay = <b>Helix fatigiata</b> Say.
211	<i>marginalis</i> Kirt. = <b>Buk marginatus</b> .	211	<i>plicata</i> De Kay = <b>Helix Hazardi</b> Bland.
211	<i>marginata</i> Say = <b>Bulimus</b> .	211	<i>Oligyra</i> Say = <b>Helicina</b> .
211	<i>tricarinata</i> Say = <b>Valvata</b> .	211	<i>orbiculata</i> Say = <b>Helicina</b> .
	<b>Familia Helicinacea.</b>		<b>IN ERRATA.</b>
211 242	<b>Helicina chrysocheila</b> Binn.	41	<b>Bulimus sufflatus</b> Gould. <i>B. vesicalis</i> Gould.
211 243	<b>Hanleyana</b> Pfr.	48 <sup>a</sup>	<b>Truncatella gracilenta</b> Gould.
211 244	<b>occulta</b> Say.	84 <sup>a</sup>	<b>Helix Berlanderiana</b> Mor. <i>H. pachyloma</i> Mke. <i>virginalis</i> Pfr. ?
211 245	<b>orbiculata</b> Say. <i>Oligyra orbiculata</i> Say. <i>H. vestita</i> (junior) Guild. <i>castanea</i> (junior) Guild.	86 <sup>a</sup>	<b>caduca</b> Pfr.
211 246	<b>subglobulosa</b> Poey.	201	<i>dissidens</i> Desh. = <b>concava</b> .
1859.	<b>Lea.</b> —Descriptions of eight new species of Unionidæ from Georgia, Mississippi, and Texas: by ISAAC LEA.		
April.			
Page.	Name.		Locality.
112	<b>Unio spissus</b> Lea.		Satilla river, Georgia.
112	<b>corvus</b> Lea.		Buckhead creek, Georgia.
112	<b>Buckensis</b> Lea.		Buckhead creek, Georgia.
112	<b>aureus</b> Lea.		Texas.
112	<b>curtus</b> Lea.		Tombigbee river, Mississippi.
112	<b>permiscens</b> Lea.		Tombigbee river, Mississippi.
113	<b>Margaritana elliptica</b> Lea.		Tombigbee river, Mississippi.
113	<b>Anodonta Texasensis</b> Lea.		Texas.
May.	<b>Lea.</b> —Descriptions of twenty-one new species of Exotic Unionidæ: by ISAAC LEA.		
151			
153	<b>Unio persulcatus</b> Lea.		Mexico.
	<b>Lea.</b> —Descriptions of two new species of Uniones from Georgia: by ISAAC LEA.		
154	<b>Unio fibuloides</b> Lea.		Connasauga river, Georgia.
154	<b>compactus</b> Lea.		Etowah river, Georgia.
	<b>Lea.</b> —Descriptions of seven new species of Uniones from South Carolina, Florida, Alabama, and Texas: by ISAAC LEA.		
154	<b>Unio cacao</b> Lea.		Chacktahachie river, W. Fla.
154	<b>hepaticus</b> Lea.		Salkakatche river, S. C.
154	<b>viridiradiatus</b> Lea.		Big Uchee, Ala.; Columbus, Ga.
154	<b>macrodon</b> Lea.		Rutersville, Texas.

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1859. Page.	Name.	Locality.
155	<b>Unio Houstonensis</b> <i>Lea.</i>	Houston, Texas.
155	<b>Rutersvillensis</b> <i>Lea.</i>	Rutersville, Texas.
155	<b>Forsheyi</b> <i>Lea.</i>	Fayette County, Texas.
June.	<b>Lea.</b> —Descriptions of twelve new species of Uniones from Georgia: by ISAAC LEA.	
170	<b>Unio Baldwinensis</b> <i>Lea.</i>	Carter's creek, Georgia.
170	<b>viridans</b> <i>Lea.</i>	Columbus, Georgia.
170	<b>Hallenbeckii</b> <i>Lea.</i>	Columbus, Georgia.
170	<b>salebrosus</b> <i>Lea.</i>	Columbus, Georgia, &c.
171	<b>modicellus</b> <i>Lea.</i>	Connasauga and Chattanooga
171	<b>latus</b> <i>Lea.</i>	Savannah river. [rivers, Ga.
171	<b>verutus</b> <i>Lea.</i>	Columbus, Ga. [bama rivers.
171	<b>Johannis</b> <i>Lea.</i>	Connasauga, Etowah, and Ala-
171	<b>Raensis</b> <i>Lea.</i>	Columbus and Rae's cr., Ga.
171	<b>inuitatis</b> <i>Lea.</i>	Swift creek, Macon, Ga.
171	<b>Jonesii</b> <i>Lea.</i>	Uharlee creek, Ga.
172	<b>quadratus</b> <i>Lea.</i>	Carter's & Factory creeks, Ga.
July.	Observations on the Geographical Distribution and Anatomy of Unio and—	
177	<b>Anodonta Lewisii.</b>	
177	<i>unadilla</i> De Kay = <i>edentula</i> Say.	
177	<b>edentula.</b>	
188	<b>W. G. Binney.</b> —Notes on American Land Shells, No. 5: by W. G. BINNEY. <sup>1</sup>	
Pa., No.	Name.	Pa., No. Name.
188 1	<b>Arion foliolatus</b> non <i>foliatus</i> .	188 <i>Philomycus dele nebulosus.</i>
188 12	<b>Helix Californiensis</b> <i>Lea.</i>	188 <i>adde oxyrus</i> Raf.
188 13 <sup>a</sup>	<b>cultellata</b> Thomson.	188 <i>quadrilus</i> Raf.
188 33 <sup>a</sup>	<b>strigosa</b> Gould.	188 <i>dele Oxyrus.</i>
188 33 <sup>b</sup>	<b>Townsendiana</b> <i>Lea.</i>	188 <i>quadrilus.</i>
188 33 <sup>c</sup>	<b>tudiculata</b> Binn.	
188 33 <sup>d</sup>	<b>Vancouverensis</b> <i>Lea.</i>	188 58 <i>adde Vitrina Americana</i> Chemn.
	<i>H. concava</i> Binn.	188 68 <i>Succinea Texasiana</i> Pfr.
	<i>vellicata</i> Forbes.	188 69 <b>obliqua</b> Pfr.
188 41	<b>Bulimus sufflatus</b> Gould. in litt.	188 82 <i>Helix auriculata</i> De Kay.
	<i>B. vesicalls</i> Gould.	188 83 <i>Stenotrema avara</i> Hart.
188 48 <sup>a</sup>	(In addenda) is syn. of 48.	188 84 <sup>a</sup> <b>Helix Berlanderiana</b> Mer.
188 49 <sup>a</sup>	<b>Tebennophorus bilineatus</b>	<i>H. pachyloma</i> Mke.
188 55 <sup>a</sup>	<b>Limax lineatus</b> De Kay. [Cart.	<i>virginalis</i> Pfr.
	LIMAX.—SPECIES EXCLUSÆ.	188 86 <b>bulbina</b> Pfr.
188	<i>Limax gracilis</i> Grat.	188 86 <sup>a</sup> <b>caduca</b> Pfr.
188	<i>Eumelus lividus</i> Grat.	188 97 <b>dentifera</b> Pfr.
188	<i>nebulosus</i> Grat.	188 104 <i>Tennesseeensis</i> Tros.
188	<i>Philomycus dele lividus.</i>	188 130 <i>Mobiliana</i> Tros.
		188 133 <b>lævigata</b> Desh.

<sup>1</sup> The contributions to this department of American Conchology by this author have also been published in pamphlet form. Page 1 of the pamphlet corresponds to 1857, p. 19. Page 3 = 1857, p. 183. Page 15 = 1858, p. 114. Page 19 = 1858, p. 197. Page 35 = 1859, p. 188.

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1859.		Name.	1859.		Name.
Pa.	No.		Pa.	No.	
188	139 <sup>a</sup>	<b>Helix maxillata</b> Gould.	188	229 <sup>a</sup>	<b>Melampus flavus</b> Gmel.
188	140 <sup>a</sup>	<b>miliium</b> Morse.			<i>Auricula</i> Midæ, &c., Mart. &
188	141	<i>apex</i> Adams.			<i>Voluta</i> Schr. [Chemn.]
188	144	dele <i>Helix monodon</i> (var. $\gamma$ ) Pfr., legge <i>H. convexa</i> (var. $\gamma$ ) Pfr.			<i>flava</i> Gmel.
188	158	<i>Helix dentifera</i> Pfr. in vol. iii, nec			<i>flammea</i> $\gamma$ Gmel.
188	170	<i>Tamaulipasensis</i> Lea. [vol. i.			<i>Bulimus monile</i> Brug.
188	172	<i>thyroidus</i> Desh. in Fer.			<i>Melampa monile</i> Schw.
188	176	dele <b>Helix varians</b> Rve.			<i>Conovulus monile</i> Goldf.
188	187 <sup>a</sup>	<b>Bulimus Gossei</b> Pfr.			<i>flavus</i> Anton.
188	192 <sup>a</sup>	<i>patriarcha</i> W. G. Binn.			<i>Auricula monile</i> Fer.
188	195	<i>hortensis</i> Adams!			<i>flava</i> Desh. in Lam.
188	213	<i>Pupa maritima</i> Gould (nec $\gamma$ ).			<i>coniformis</i> Orb.
188	214 <sup>a</sup>	<b>pellucida</b> Pfr.			<i>Melampus monile</i> Lowe.
188	217	<i>rupicola</i> Chemn.			<i>torosa</i> Mörch.
188	218	<i>Vertigo variolosa</i> Ad. Gen.	189	232 <sup>a</sup>	<b>Redfieldi</b> Pfr.
		E HELICIS EXCLUSA.	189	245	<i>Helix vestita</i> Pfr.
188		<i>Triodopsis lunula</i> Raf.			
Oct.		<b>Isaac Lea.</b> —Note on—			
280		<i>Margaritana Etowahensis</i> Lea, preoc. = <b>M. Georgiana</b> Lea.			
Nov.		<b>Isaac Lea.</b> —Notes on Anatomy of Unionidæ.			
329					
Dec.		<b>Carpenter.</b> —Notice of Shells collected by Mr. J. Xantus at Cape St.			
331		Lucas: by P. P. CARPENTER.			
		[Notes on geographical distribution, but no descriptions.—W. G. B.]			
332		<b>Oniscia tuberculata.</b>	332		<b>Oliva porphyria.</b>
332		<b>Cassia coarctata.</b>	332		<b>Columbella hæmastoma.</b>
332		abbreviata.	332		<b>Conus princeps.</b>
332		<b>Lathirus castaneus.</b>	332		<b>Haliotis splendens.</b>

**Rafinesque.**—Descriptions de onze genres nouveaux de Mollusques, publiées en 1814: par C. S. RAFINESQUE, Prof. de Bot. et d'Hist. Nat. dans l'Univ. de Lexington. (From Journal de Physique, tom. lxxxix, p. 146. August, 1819.)

Page.		Page.	
152	<b>Opiptera</b> Raf. (n. g.)	152	<b>Oxynoë olivacea</b> Raf.
152	<b>bicolor</b> Raf.	152	<b>Tyrodina</b> Raf. (n. g.)
152	<b>Oxynoë</b> Raf. (n. g.)	153	<b>punctulata</b> Raf.

[The remainder are Annelides and Polyps.—W. G. B.]

The same translated into German. Isis, 1820, p. 244.

**Rafinesque.**—Précis des Découvertes Somiologiques ou Zoologiques et Botaniques de C. S. RAFINESQUE. Palerme, 1814.

[No localities are given. The species are probably foreign.—W. G. B.]

CLASS **MALACOSIA.** Les Mollusques.

Page.		Page.	
28	<b>Octopus frayedus</b> Raf.	29	<b>Loligo todurus</b> Raf.
28	<b>didynamus</b> Raf.	29	<b>Ozorna Aldrovandi</b> Raf.
28	<b>heteropus</b> Raf.	29	<b>Dictyethis fusca</b> Raf.
28	<b>ruber</b> Raf.	29	<b>Hypterus</b> Raf. (n. g.)
28	<b>tetradynamus</b> Raf.	29	<b>appendiculatus</b> Raf.
28	<b>moschatus</b> Raf.	29	<b>erythrogaster</b> Raf.
29	<b>albus</b> Raf.	29	<b>Stephylla</b> Raf. (n. g.)
29	<b>niger</b> Raf.	30	<b>pallida</b> Raf.
29	<b>maculatus</b> Raf.	30	<b>lutescens</b> Raf.
29	<b>Ozoena moschata</b> Raf.	30	<b>fusca</b> Raf.
	<i>Octopus moschatus</i> Lam.	30	<b>Armina</b> Raf. (n. g.)
29	<b>Ocythoe</b> Raf. (n. g.)	30	<b>maculata</b> Raf.
29	<b>tuberculata</b> Raf.	30	<b>tigrina</b> Raf.
29	<b>Sepia mucronata</b> Raf.	30	<b>Sarcopterus</b> Raf. (n. g.)
29	<b>Loligo lanceolata</b> Raf.	30	<b>ruber</b> Raf.
29	<b>odagadium</b> Raf.		

**Conrad.**—Descriptions of new Fossil and Recent Shells of the United States: by T. A. CONRAD. (From Journ. Acad. Nat. Sci. of Philad., n. s., vol. i, part iii, p. 207. Aug. 1849.)

Page.	Name.	Locality.
208	<b>Siliqua Floridana</b> Conr. <i>Solecurtus fragilis</i> (var.) Conr.	Egmont Key, Tampa Bay.
208	<b>Lyonsia Floridana</b> Conr. <i>Osteodesma hyalina</i> Conr. ?	
208	<b>Cryptomya</b> Conr. (n. g.)	
208	<i>Sphænia Californica</i> Conr. = <b>Cryptomya Californica.</b>	
208	<b>Donax protracta</b> Conr. (p. 280, pl. xxxix, fig. 8).	St. Joseph's Bay, Fla.
209	<b>Venus intapurpurea</b> Conr. (p. 280, pl. xxxix, fig. 9).	Egmont Key, Tampa Bay.
209	<b>Pecten fuscopurpureus</b> Conr. (p. 280, pl. xxxix, fig. 10).	Mullet Key, Tampa Bay.

**Conrad.**—Notes on Shells, with Descriptions of new Genera and Species: by T. A. CONRAD. (From same as last, p. 210.)

Page.		Page.	
213	<b>Petricola Californica</b> <i>Conr.</i> <i>Saxicava Californica</i> <i>Conr.</i> <i>P. arcuata</i> Desh.	213	<b>Siliqua lucida</b> <i>Conr.</i> <i>Solecortus lucidus</i> <i>Conr.</i> <i>radiatus</i> Gould, non Linn.
213	<b>carditoides</b> <i>Conr.</i> <i>Saxicava carditoides</i> <i>Conr.</i> <i>P. cylindracea</i> Desh.	213	<b>Trigonella</b> <i>Conr.</i> (n. g.)
213	<b>Siliqua Nuttallii</b> <i>Conr.</i> <i>Solecortus Nuttallii</i> <i>Conr.</i> <i>maximus</i> Gould, non Wood. <i>Solen splendens</i> Chenu.	213	<b>crassatelloides</b> <i>Conr.</i>
		214	<b>Sanguinolaria Nuttallii</b> <i>Conr.</i> <i>Psammobia decora</i> Hinds.
		214	<b>Margaritaria</b> <i>Conr.</i> (n. g.,
		214	<b>Parapholas</b> <i>Conr.</i> (n. g.) [fos.]
		214	<b>Californica</b> <i>Conr.</i>
		214	<b>Janelli</b> Desh.

**Conrad.**—Descriptions of new Fresh-water and Marine Shells: by T. A. CONRAD. (From same as last, part iv, p. 275. Jan. 1850.)

Page.	Plate.	Fig.	Name.	Locality.
275	xxxvii	1	<b>Unio securiformis</b> <i>Conr.</i>	Flint river, Ga.
275	xxxvii	2	<b>stagnalis</b> <i>Conr.</i>	Ogeechee riv., Ga.
275	xxxvii	3, 4	<b>Ogeecheensis</b> <i>Conr.</i>	Ogeechee riv., Ga.
275	xxxvii	5	<b>rosaceus</b> <i>Conr.</i>	Savannah river.
276	xxxvii	6	<b>oratus</b> <i>Conr.</i>	Flint river, Ga.
276	xxxvii	7	<b>contrarius</b> <i>Conr.</i>	Ogeechee riv., Ga.
276	xxxvii	8	<b>nucleopsis</b> <i>Conr.</i>	Etowah river, Ga.
276	xxxvii	9	<b>limatulus</b> <i>Conr.</i>	Savannah river.
276	xxxviii	2	<b>perplicatus</b> <i>Conr.</i> <i>U. atrocostatus</i> Lea.	Jackson, La.
277	xxxviii	4, 8	<b>nodiferus</b> <i>Conr.</i>	Jackson, La.
277	xxxviii	7	<b>plectophorus</b> <i>Conr.</i> <i>U. aratus.</i>	Flint river, Ga.
277	xxxviii	11	<b>Mississippiensis</b> <i>Conr.</i>	Lower Mississippi.
277	xxxviii	1	<b>Melania subilirata</b> <i>Conr.</i>	Savannah river.
278	xxxviii	3	<b>cœlatura</b> <i>Conr.</i>	Savannah river.
278	xxxviii	5	<b>symmetrica</b> <i>Conr.</i>	Savannah river.
278	xxxviii	6	<b>perangulata</b> <i>Conr.</i>	Savannah river.
278	xxxviii	9	<b>nebulosa</b> <i>Conr.</i>	Savannah river.
278	xxxviii	10	<b>percarinata</b> <i>Conr.</i>	Savannah river.

[Here follow descriptions of marine shells from Lower California and Peru. The particular locality not being given, they are all quoted among the foreign species.—W. G. B.]



**Conrad.**—Descriptions of new Species of Unio: by T. A. CONRAD. (From same as last, vol. ii, part iv. February, 1854.)

Page.	Plate.	Fig.	Name.	Locality.
295	xxvi	1	<b>Unio Aberti</b> <i>Conr.</i> <i>U. Lamarckianus</i> Lea.	Chambers' ford, Verdigris river, Ark.
296	xxvi	5	<b>hebetatus</b> <i>Conr.</i> <b>rivularis</b> <i>Conr.</i> ( <b>Uniomerus</b> ), <i>U. declivis</i> <i>Conr.</i> , non Say.	Missouri.
296	xxvi	7	<b>porrectus</b> <i>Conr.</i> <i>U. parallelus</i> <i>Conr.</i> (preoc.)	Jackson, Miss.
297	xxvi	8	<b>arquatus</b> <i>Conr.</i>	Wabash river.
297	xxvii	1	<b>subcroceus</b> <i>Conr.</i>	Trib. of Canadian riv., Ark.
297	xxvii	2, 3	<b>nobilis</b> <i>Conr.</i>	Bayou Teche.
297	xxvii	4	<b>pectitus</b> <i>Conr.</i>	Wabash river.
298	xxvii	5	<b>altus</b> <i>Conr.</i>	Tennessee?
298	xxvii	6	<b>velatus</b> <i>Conr.</i>	River St. Foix.

**Conrad.**—Synopsis of the Genera Parapholas and Penitella: by T. A. CONRAD. (From same as last, p. 335. No descriptions.)

Page.		Page.	
335	<b>Parapholas Californica</b> <i>Conr.</i> <i>Pholas Californica</i> <i>Conr.</i> <i>Janelli</i> <i>Desh.</i>	335	<b>Penitella tubijera</b> <i>Val.</i>
		335	<b>xylophaga</b> <i>Val.</i>
335	<b>Penitella Conradi</b> <i>Val.</i> <i>Pholas penita</i> <i>Conr.</i> <i>concammerata</i> <i>Desh.</i>	335	<b>melanura.</b> <i>Pholas melanura</i> <i>Sowb.</i> <i>Penitella Wilsoni</i> <i>Conr.</i> [not <i>Parapholas bisulcata.</i> ]

**Adams.**—Description of a Species of Haliotis supposed to be new: by C. B. ADAMS. (From Silliman's Amer. Journ. Sci., n. s., vol. vi, p. 138. July, 1848.)

Page.	
138	<b>Haliotis ponderosa</b> <i>Adams.</i>

**Anonymous.**—Conchology. (From the Naturalist, edited by D. J. Browne, vol. ii. Boston, 1832. With a plate.)

Page.	Date.	Title of article.
65	March, 1832.	
68-73	March, 1832.	Explanation of the Parts of Shells.

Page.	Date.	Title of article.
101-104	April, 1832.	On the Constituent Parts of Shells.
137-146	May, 1832.	On the Formation of Shells.
165-175	June, 1832.	On the Colors of Shells.
202-207	July, 1832.	On the Formation of the Umbilicus, Protuberances, &c.
235-238	Aug. 1832.	On the Production of Pearls.
271-275	Sept. 1832.	On the Habitation of Testaceous Animals.
303-306	Oct. 1832.	On the Methods of Fishing and Collecting Shells.
341-348	Nov. 1832.	On the Methods of Polishing Shells.

**Cooper.**—List of Shells collected by Mr. Schoolcraft in the Western and Northwestern Territory: by WILLIAM COOPER. (In Appendix to Narrative of an Expedition through the Upper Missouri to Itasca Lake, &c., under the direction of Henry B. Schoolcraft, p. 153. New York, 1834.)

Page.	Name.	Locality.
153	<i>Helix albolabris</i> Say.	Lake Michigan.
153	<i>alternata</i> Say.	Wabash river.
153	<i>Planorbis campanulatus</i> Say.	Itasca Lake.
153	<i>trivolvris</i> Say.	Lake Michigan.
153	<i>Lymneus umbrosus</i> Say.	Lake Winipeg, &c.
154	<i>reflexus</i> Say.	Rainy Lake, &c.
154	<i>stagnalis</i> .	Lake a la Crosse.
154	<i>Paludina ponderosa</i> Say.	Wisconsin river.
154	<i>vivipara</i> Say.	
154	<i>Melania Virginica</i> Say.	Lake Michigan.
154	<i>Anodonta cataracta</i> Say.	Chicago.
154	<i>corpulenta</i> Cooper (description).	Upper Missouri river.
154	<i>Alasmodonta complanata</i> Barnes.	Shell Lake, &c.
154	<i>rugosa</i> Barnes.	St. Croix, &c.
155	<i>marginata</i> Say.	Lake Vaseux, &c.
155	<i>edentula</i> Say?	Lake Vaseux, &c.
155	<i>areolata</i> Sw.?	Lake Vaseux, &c.
155	<i>Unio tuberculatus</i> Barnes.	Painted Rock.
155	<i>pustulatus</i> Lea.	Upper Missouri river.
155	<i>verrucosus</i> Barnes.	St. Croix river, &c.
155	<i>plicatus</i> Lesueur.	Prairie du Chien, &c.
155	<i>trigonus</i> Lea.	Prairie du Chien, &c.
155	<i>ebenus</i> Lea.	Upper Missouri river.
155	<i>gibbosus</i> Barnes.	St. Croix river.
155	<i>rectus</i> Lam.	Upper Missouri river.
	<i>U. praxlongus</i> Barnes.	

Page.	Name.	Locality.
155	<b>Unio siliquoides</b> <i>Barnes.</i>	Upper Missouri river.
155	<b>inflatus</b> <i>Barnes.</i>	Upper Missouri river.
155	<b>complanatus</b> <i>Lea.</i> <i>U. purpureus</i> <i>Say.</i>	Lake Vaseux.
155	<b>crassus</b> <i>Say.</i>	Upper Missouri river.
155	<b>radiatus</b> <i>Barnes.</i>	Lake Vaseux.
155	<b>occidens</b> <i>Lea.</i> <i>U. ventricosus</i> <i>Say.</i>	Wisconsin river, &c.
156	<b>ventricosus</b> <i>Barnes.</i>	Upper Missouri river.
156	<b>alatus</b> <i>Say.</i> <i>Symphynota alata</i> <i>Lea.</i>	Upper Missouri river.
156	<b>gracilis</b> <i>Barnes.</i> <i>Symphynota gracilis</i> <i>Lea.</i>	Upper Missouri river.

**Tufts.**—A List of Shells collected at Swampscot, Lynn, and vicinity: by SAMUEL TUFTS, Jr. (From Proceedings of Essex Institute, vol. i, p. 25. Salem, Mass., 1856.)

[No descriptions are given, but notes on locality, &c.—W. G. B.]

Page.		Page.	
26	<b>Teredo dilatata</b> <i>St.</i>	27	<b>Petricola pholadiformis.</b>
26	<b>Pholas crispata.</b>	27	<b>Sanguinolaria fusca.</b>
26	<b>costata?</b>	27	<b>sordida.</b>
26	<b>Solen ensis.</b>	27	<b>Tellina tenera.</b>
26	<b>Machæra costata.</b>	27	<b>tenta.</b>
26	<b>Solemya velum.</b>	27	<b>Lucina radula.</b>
26	<b>borealis.</b>	27	<b>flexuosa.</b>
26	<b>Glycimeris siliqua.</b>	27	<b>Cyclas partumela.</b>
26	<b>Mya arenaria.</b>	27	——?
26	<b>truncata.</b>	27	<b>Astarte castanea.</b>
26	<b>Corbula contracta?</b>	27	<b>sulcata.</b>
26	<b>Pandora trilineata.</b>	27	<b>quadrans.</b>
26	<b>Osteodesma hyalina.</b>	27	<b>Cyprina Islandica.</b>
26	<b>Anatina papyracea.</b>	27	<b>Cytherea convexa.</b>
26	<b>Cochlodesma Leana.</b>	27	<b>Venus mercenaria.</b>
26	<b>Thracia Conradi.</b>	27	<b>gemma.</b>
26	<b>Couthouyi</b> <i>St.</i>	27	<b>Cardium pinnulatum.</b>
26	<b>truncata.</b>	27	<b>Islandicum.</b>
27	<b>Mactra solidissima.</b>	28	<b>Grœnlandicum.</b>
27	<b>ovalis.</b>	28	<b>Cardita borealis.</b>
27	<b>Mesodesma arctata.</b>	28	<b>Nucula thraciæformis.</b>
27	<b>Kellia rubra.</b>	28	<b>limatula.</b>
27	<b>Saxicava distorta.</b>	28	<b>minuta.</b>

Page.		Page.	
28	<b>Nucula myalis.</b>	29	<b>Helix pulchella.</b>
28	<i>sapotilla.</i>	29	<i>striatella.</i>
28	<i>proxima.</i>	29	——— ?
28	<i>tenuis.</i>	29	<b>Bulimus lubricus.</b>
28	<b>Unio complanatus.</b>	29	<b>Succinea campestris.</b>
28	<b>Anodon fluviatilis.</b>	30	<b>Auricula bidentata.</b>
28	<b>Mytilus edulis.</b>	30	<b>Planorbis lentus.</b>
28	<i>var. pellucidus.</i>	30	<i>bicarinatus.</i>
28	<b>Modiola modiolus.</b>	30	<i>armigerus.</i>
28	<i>plicatula.</i>	30	<i>hirsutus.</i>
28	<i>discrepans.</i>	30	<b>Physa heterostropha.</b>
28	<i>nexa.</i>	30	<i>ancillaria.</i>
28	<i>discors.</i>	30	<i>elongata.</i>
28	<i>glandula.</i>	30	<b>Limnæa columella.</b>
28	<b>Ostrea ———.</b>	30	<i>macrostoma.</i>
28	<b>Anomia ephippium.</b>	30	<i>umbilicata.</i>
28	<b>Terebratula caputserpentis.</b>	30	<i>elodes.</i>
28	<b>Chiton marmoreus.</b>	30	<b>Ancylus fuscus.</b>
28	<i>fulminatus.</i>	30	<b>Valvata pupoidea.</b>
28	<i>ruber.</i>	30	<b>Paludina decisa.</b>
28	<i>albus.</i>	30	<b>Natica heros.</b>
28	<i>Emersonianus.</i>	30	<i>triseriata.</i>
28	<b>Lottia testudinalis.</b>	30	<i>immaculata.</i>
29	<i>alveus.</i>	30	<i>canaliculata.</i>
29	<b>Dentalium dentale.</b>	30	<i>duplicata.</i>
29	<b>Cemoria Noachina.</b>	30	<i>pusilla.</i>
29	<b>Crepidula fornicata.</b>	30	<i>clausa.</i>
29	<i>plana.</i>	30	<b>Velutina lævigata.</b>
29	<i>convexa.</i>	30	<i>zonata.</i>
29	<i>glauca.</i>	30	<b>Sigaretus haliotoideus.</b>
29	<b>Bulla insculpta.</b>	30	<b>Scalaria Grœnlandica.</b>
29	<i>triticea.</i>	31	<b>Margarita cinerea.</b>
29	<i>puncto-striata.</i>	31	<i>obscura.</i>
29	<i>canaliculata.</i>	31	<i>undulata.</i>
29	<i>Gouldii.</i>	31	<i>arctica.</i>
29	<i>debilis.</i>	31	<i>argentata.</i>
29	<i>lineolata.</i>	31	<b>Littorina rudis.</b>
29	<i>obstricta.</i>	31	<i>tenebrosa.</i>
29	<b>Helix albolabris.</b>	31	<i>palliatæ.</i>
29	<i>alternata.</i>	31	<b>Lacuna neritoidea.</b>
29	<i>arborea.</i>	31	<i>vinctæ.</i>
29	<i>indentata.</i>	31	<i>var. fusca.</i>
29	<i>lineata.</i>	31	<b>Cingula minuta.</b>
29	<i>labyrinthica.</i>	31	<i>aculeus.</i>
29	<i>minuscule.</i>	31	<b>Turritella erosa.</b>

Page.		Page.	
31	<b>Turritella acicula.</b>	32	<b>Purpura lapillus.</b>
31	<b>Pyramis striatula.</b>	32	<b>Trichotropis borealis.</b>
31	<b>Ostostomia exigua.</b>	32	<b>Buccinum plicosum.</b>
31	<b>Pleurotoma decussata.</b>	32	undatum.
32	<b>Cancellaria Couthouyi.</b>	32	obsoletum.
32	<b>Fusus Islandicus.</b>	32	trivittatum.
32	decemcostatus.	32	rosaceum.
32	<b>Bamffius.</b>	32	lunatum.
32	rufus.	32	<b>Xylophaga cuneiformis.</b>
32	harpularius.	32	<b>Helix hortensis.</b>
32	pygmæus.	32	<b>Turritella interrupta.</b>
32	<b>Rostellaria occidentalis.</b>		

**Gould.**—Catalogue of Shells collected in California by W. P. Blake, with descriptions of the new species: by AUGUSTUS A. GOULD, M. D. (From Appendix to the Preliminary Geological Report of William P. Blake, Geologist of the Survey in California under the command of Lieut. R. S. Williamson. Washington, 1855.)

[Though referred to House Document 129, I cannot find it in the Congressional Reports. It seems to have been published separately in this octavo form. It occurred subsequently in quarto, with plates, in the Pacific Railroad Report, vol. v, q. v.—W. G. B.]

No descriptions are given of the following:—

Page.	Name.	Locality.
22	<b>Ostrea</b> ——.	San Diego.
22	<b>Pecten latiauratus</b> Conrad.	San Diego.
22	<b>Pecten</b> ——.	San Diego.
22	<b>Mytilus edulis.</b>	San Francisco.
22	<b>Modiola capax</b> Conrad.	San Diego.
22	<b>Venus Nuttallii</b> Conrad.	San Pedro.
22	fluctifraga Sowerby.	San Diego.
22	<b>Tapes grata</b> Say.	San Pedro.
	<i>T. discors</i> Sowerby.	
	<i>straminea</i> Conrad.	
22	<i>gracilis</i> Gould.	San Pedro.
22	<b>Cyclas</b> ——.	Colorado Desert.
22	<b>Cardium cruentatum</b> Gould.	San Diego.
22	<b>Lucina orbella</b> Gould.	San Pedro.
22	<b>Nuttallii</b> Conrad.	San Pedro.
22	<b>Mesodesma rubrotincta?</b> Sowerby.	San Pedro.

Page.	Name.	Locality.
22	<b>Tellina vicina</b> <i>Adams.</i>	San Diego.
22	<i>secta</i> <i>Conrad.</i>	San Pedro.
22	<b>Sphenia Californica</b> <i>Conrad.</i>	San Diego.
22	<b>Petricola cylindracea</b> <i>Desh.</i> <i>P. carditoides</i> <i>Conrad.</i>	Monterey, San Pedro.
22	<b>Solecortus Californiensis</b> <i>Conrad.</i>	San Diego.
22	<b>Gnathodon Lecontei</b> <i>Conrad.</i>	Colorado Desert.
22	<b>Lottia scabra</b> <i>Gould.</i>	San Francisco.
22	<i>patina</i> <i>Esch.</i>	San Pedro.
22	<i>mitra</i> <i>Brod.</i>	San Pedro.
22	<b>Calyptrea hispida</b> <i>Brod.</i>	San Pedro, San Diego.
22	<b>Crepidula incurva</b> <i>Brod.</i>	San Pedro.
22	<b>Bulla nebulosa</b> <i>Gould.</i>	San Diego.
22	( <i>Haminea</i> ) <b>virescens</b> <i>Sowerby.</i>	San Diego.
22	<i>vesicula</i> <i>Gould.</i>	San Diego.
22	( <i>Tornatina</i> ) <b>inculta</b> <i>Gould.</i>	San Diego.
22	<b>Trochus mœstus</b> <i>Jonas.</i>	San Diego.
22	<b>Phasianella compta</b> <i>Gould.</i>	San Diego.
22	<b>Littorina</b> ———.	
22	<b>Melampus</b> ———.	San Diego.
22	<b>Oliva biplicata.</b>	San Pedro.
22	<b>Potamis pullatus</b> <i>Gould.</i>	San Diego.
22	<b>Amnicola protea</b> <i>Gould.</i>	Colorado Desert.
22	<i>longinqua</i> <i>Gould.</i>	Colorado Desert.
22	<b>Planorbis ammon</b> <i>Gould.</i>	Color. Des., Ocoya cr.
22	<b>Physa humerosa</b> <i>Gould.</i>	Colorado Desert.
22	<b>Succinea</b> ———.	Ocoya creek.

Descriptions are given of the following:—

23	<b>Physa humerosa</b> <i>Gould.</i>	Color. Des., Pecos riv.
23	<b>Planorbis ammon</b> <i>Gould.</i>	Colorado Desert.
24	<b>Amnicola protea</b> <i>Gould.</i>	Colorado Desert.
24	<i>longinqua</i> <i>Gould.</i>	Colorado Desert.
25	<b>Potamis pullatus</b> <i>Gould.</i>	San Diego.
25	<b>Phasianella compta</b> <i>Gould.</i>	San Diego.
26	<b>Bulla (Tornatina) inculta</b> <i>Gould.</i>	San Diego.
23	( <i>Haminea</i> ) <b>vesicula</b> <i>Gould.</i>	San Diego.
26	<b>Cardium cruentatum</b> <i>Gould.</i>	San Pedro.
27	<b>Tapes gracilis</b> <i>Gould.</i>	San Pedro.
27	<b>Mytilus edulis?</b>	San Francisco.
28	<b>Ostrea</b> ———.	San Diego.
28	—————.	San Diego.
28	<b>Pecten</b> ———.	San Diego.

**Gould.**—Catalogue of the Recent Shells, with descriptions of the new species: by AUGUSTUS A. GOULD, M. D. (From the Reports of Explorations and Surveys to ascertain the most practicable and economical Route for a Railroad from the Mississippi River to the Pacific Ocean, &c., by Lieut. R. S. Williamson, Top. Eng., vol. v. 33d Congress, 2d Session, Senate Ex. Doc., No. 78, vol. xiii, pt. v. 4to. Washington, 1856. The general title-page of the Report bears the date of 1853, that of Part II, of which this paper forms an Appendix, bears the date of 1857. Like all the Pacific Railroad Reports, it forms a portion also of the House Documents.)

No descriptions are given of the following:—

Page.	Name.	Locality.
330	<b>Ostrea</b> ———.	San Diego.
330	<b>Pecten monotimeris</b> <i>Conrad.</i>	San Diego.
330	<b>ventricosus</b> <i>Sowerby.</i> <i>P. tumidus</i> <i>Sowerby.</i>	San Diego.
330	<b>Mytilus edulis.</b>	San Francisco.
330	<b>Modiola capax</b> <i>Conrad.</i>	San Diego.
330	<b>Venus Nuttallii</b> <i>Conrad.</i>	San Pedro.
330	<b>fluctifraga</b> <i>Sowerby.</i>	San Diego.
330	<b>Tapes grata</b> <i>Say.</i> <i>T. discors</i> <i>Sowerby.</i> <i>straminea</i> <i>Conrad.</i>	San Pedro.
330	<b>gracilis</b> <i>Gould.</i>	San Pedro.
330	<b>Cyclas</b> ———?	Colorado Desert.
330	<b>Cardium cruentatum</b> <i>Gould.</i>	San Diego.
330	<b>Lucina orbella</b> <i>Gould.</i>	San Pedro.
330	<b>Nuttallii</b> <i>Conrad.</i>	San Pedro.
330	<b>Mesodesma rubrotincta?</b> <i>Sowerby.</i>	San Pedro.
330	<b>Tellina vicina</b> <i>Adams.</i>	San Diego.
330	<b>secta</b> <i>Conrad.</i>	San Pedro.
330	<b>Sphænia Californica</b> <i>Conrad.</i>	San Diego.
330	<b>Petricola carditoides</b> <i>Conrad.</i> <i>P. cylindracea</i> <i>Desh.</i>	Monterey, San Pedro.
330	<b>Solecurtus Californiensis</b> <i>Conrad.</i>	San Diego.
330	<b>Gnathodon Lecontei</b> <i>Conrad.</i> <i>G. trigonum</i> <i>Petit.</i>	Colorado Desert.
330	<b>Lottia scabra</b> <i>Gould.</i>	San Francisco.
330	<b>patina</b> <i>Esch.</i>	San Pedro.
330	<b>Scurria pallida</b> <i>Gr.</i> <i>Lottia mitra</i> <i>Br.</i>	San Pedro.

Page.	Name.	Locality.
330	<i>Calyptrea hispida</i> Br.	San Pedro, San Diego.
330	<i>Crepidula incurva</i> Br.	San Pedro.
330	<i>Bulla nebulosa</i> Gould.	San Diego.
330	( <i>Haminea</i> ) <i>virescens</i> Sowerby	San Diego.
330	<i>vesicula</i> Gould.	San Diego.
330	<i>Bulla</i> ( <i>Tornatina</i> ) <i>inculta</i> Gould.	San Diego.
330	<i>Trochus mœstus</i> Jonas.	San Diego.
330	<i>Phasianella compta</i> Gould.	San Diego.
331	<i>Littorina</i> ——.	San Diego.
331	<i>Melampus</i> ——.	San Diego.
331	<i>Oliva biplicata</i> Sowerby.	San Pedro.
331	<i>Potamis pullatus</i> Gould.	San Diego.
331	<i>Amnicola protea</i> Gould.	Colorado Desert.
331	<i>longinqua</i> Gould.	Colorado Desert.
331	<i>Planorbis ammon</i> Gould.	Color. Des., Ocoya cr.
331	<i>Physa humerosa</i> Gould.	Colorado Desert.
331	<i>Succinea</i> ——.	Ocoya creek.
331	<i>Helix Vancouverensis</i> Lea.	San Francisco.
331	<i>San Diegensis</i> .	Point Reyes.
331	<i>infumata</i> Gould.	Point Reyes.
331	<i>Oregonensis</i> Lea.	Cypress Point.

Descriptions are given of the following:—

#### FRESH-WATER SHELLS FROM THE COLORADO DESERT.

Page.	Plate.	Fig.	Name.	Locality.
331	xi	1-5	<i>Physa humerosa</i> Gould.	Color. Des., Pecos riv.
331	xi	12-18	<i>Planorbis ammon</i> Gould.	Colorado Desert.
332	xi	6-9	<i>Amnicola protea</i> Gould.	Colorado Desert.
			<i>Melania exigua</i> Conrad.	
333	xi	10-11	<i>longinqua</i> Gould.	Colorado Desert.

#### MARINE SHELLS FROM THE COAST.

333	xi	23-24	<i>Potamis pullatus</i> Gould.	San Diego.
333	xi	25-26	<i>Phasianella compta</i> Gould.	San Diego.
334	xi	27-28	<i>Bulla</i> ( <i>Tornatina</i> ) <i>inculta</i> Gld.	San Diego.
334	xi	29	( <i>Haminea</i> ) <i>vesicula</i> Gould.	San Diego.
334	xi	21-22	<i>Cardium cruentatum</i> Gould.	San Pedro.
335	xi	19-20	<i>Tapes gracilis</i> Gould.	San Pedro.
335			<i>Mytilus edulis</i> ?	San Francisco.
335			<i>Ostrea</i> —— ?	San Pedro.
336			—— ?	San Diego.



**Lea, Binney.**—Explorations in Nebraska. Preliminary Report of Lieut. G. K. Warren, Top. Eng., &c. &c. Dr. F. V. Hayden's Report on Geology and Natural History. (From Executive Documents printed by order of the House of Representatives during the 2d Session of the 35th Congress, 1858-9, vol. ii, pt. iii, p. 723. Washington, 1859.)

Page.	Name.	Locality.
<b>Isaac Lea.</b>		
723	Notes on Geographical Distribution.	

## FLUVIATILE SHELLS.

724	<i>Unio alatus</i> Say.	Big Sioux river.
724	<i>levissimus</i> Lea.	Big Sioux river.
724	<i>luteolus</i> Lam.	Big Sioux river.
724	<i>asperimus</i> Lea.	Big Sioux river.
724	<i>rectus</i> Lea.	Big Sioux river.
724	<i>elegans</i> Lea.	James river.
724	<i>zig-zag</i> Lea.	White Earth river.
724	<i>anodontoides</i> Lea.	James river.
724	<i>Margaritana complanata</i> Lea.	Fort Clark, Mo.
724	<i>Anodonta Ferussaciana</i> Lea.	White river, Nebraska.
724	<i>Lymnea elodes</i> Say.	Big Sioux river.
724	<i>Nuttalliana</i> Lea.	Big Sioux river.
724	<i>humilis</i> Say.	Big Sioux river.
724	<i>Haydeni</i> Lea.	Big Sioux river.
724	<i>Kirtlandiana</i> Lea.	Big Sioux river.
724	<i>umbrosa</i> Say.	Grindstone river, N. T.
724	<i>lubricoides</i> Lea.	Grindstone river, N. T.
724	<i>Philadelphica</i> Lea.	Grindstone river, N. T.
724	<i>Planorbis bicarinatus</i> Say.	Mouth of Big Sioux river.
724	<i>trivolvus</i> Say.	Mouth of Big Sioux river.
724	<i>lentus</i> Say.	Mouth of Big Sioux river.
724	<i>parvus</i> Say.	Mouth of Big Sioux river.
724	<i>campanulatus</i> Say.	Mouth of Big Sioux river.
724	<i>Physa heterostropha</i> Say.	Mouth of Big Sioux river.
724	<i>integra</i> Hald.?	Mouth of Big Sioux river.
724	<i>elongata</i> Say.	Mouth of Big Sioux river.
724	<i>ampularia</i> Say.	Mouth of Big Sioux river.
725	<i>Pisidium</i> ———?	Grindstone creek.
725	<i>Cyclas</i> ———?	Grindstone creek.
725	<i>Daphnia</i> ———?	Grindstone creek.
725	<i>Amnicola porata</i> Say.	Fort Berthold.
725	<i>lapidaria</i> .	Fort Berthold.

## W. G. Binney.

## LAND SHELLS.

Page.	Name.	Locality.
725	<b>Helix minuscula</b> Binney.	Council Bluff, N. T.
725	lineata Say.	Council Bluff, N. T.
725	striatella Anthony.	Council Bluff, N. T.
725	inflecta Say.	Council Bluff, N. T.
725	hirsuta Say.	Council Bluff, N. T.
725	solitaria Say.	Council Bluff, N. T.
725	alternata Say.	Council Bluff, N. T.
725	elevata Say.	Council Bluff, N. T.
725	fallax Say.	Council Bluff, N. T.
725	concava Say.	Council Bluff, N. T.
725	ligera Say.	Council Bluff, N. T.
725	profunda Say.	Near Ft. Leavenworth, K. T.
725	multilineata Say.	Near Ft. Leavenworth, K. T.
725	monodon Rack.	Near Ft. Leavenworth, K. T.
725	pulchella Müll. (p. 724).	Near Ft. Leavenworth, K. T.
725	costata Müll. (p. 724).	Near Ft. Leavenworth, K. T.
725	arborea Say.	Near Fort Berthold.
725	chersina Say.	Near Fort Berthold.
725	electrina Gould.	Near Fort Berthold.
725	Cooperi W. G. Binney (n. s.)	Black hills, N. T.
725	<b>Pupa Nebraskana</b> W. G. Binn. (n. s.)	Fort Berthold, K. T.
725	Blandi W. G. Binney (n. s.)	Fort Berthold, K. T.
725	pentodon Say.	Council Bluff, N. T.
725	modesta Say.	Council Bluff, N. T.
725	badia Adams.	Council Bluff, N. T.
725	<b>Bulimus lubricus</b> Müll.	Fort Berthold.
725	<b>Succinea venusta</b> Say.	Yellowstone river.
725	retusa Lea.	Yellowstone river.
725	Haydeni W. G. Binney (n. s.)	Yellowstone river.
725	lineata W. G. Binn. (n. s., p. 724.)	Ft. Union, Yellowstone riv.
725	Nuttalliana Lea.	Fort Union.
725	obliqua Say.	Fort Berthold, N. T.

**Gould.**—Reports of the Commissioners of the Zoological Survey of the State. Boston, 1838. (Mass. House. Doc., No. 72. April, 1838.) Mollusca: by Dr. A. A. GOULD.

[The following species were specified by name only as having been discovered since 1838 (vide ante, p. 39).—W. G. B.]

Page.		Page.	
107	<b>Mya truncata</b> Penn.	107	<b>Tellina sordida</b> Couth.
107	<b>Thracia Conradi</b> Couth.	107	tenera Say.

Page.		Page.	
107	<i>Cryptodon flexuosa</i> Turton.	107	<i>Physa elongata</i> Say.
107	<i>Mesodesma Jauresii</i> De Joannis.	107	<i>Valvata tricarinata</i> Say.
107	<i>Venus fluctuosa</i> Gould, MS.	107	<i>Paludina canaliculata</i> Gld., lustrica Say. [MS.
107	<i>Cardium pubescens</i> Couth.	107	<i>Oxinoë glabra</i> Couth.
107	<i>Nucula thraciæformis</i> Stor.	107	<i>Scalaria Nov-Angliæ</i> Couth.
107	lævigata Gould, MS.	107	subulata Couth.
107	myalis Couth.	107	<i>Natica immaculata</i> Totten.
107	tenuisulcata Couth.	107	consolidata Couth.
107	<i>Modiola pectinula</i> Gld., MS.	107	<i>Actæon trifidus</i> Totten.
107	discors Linn.	107	convoluta Gould, MS.
107	discrepans Montagu.	107	<i>Jaminia exigua</i> Couth.
107	<i>Terebratula septentriona-</i> lis Couth.	107	<i>Lacuna neritoidea</i> Gld. MS.
107	thalassina Gould, MS.	107	<i>Turbo incarnatus</i> Couth.
107	<i>Chiton fulminatus</i> Couth.	107	cinereus Couth.
107	sagrinnatus Couth.	107	obscurus Couth.
107	Emersonii Couth.	107	aculeus Gould, MS.
107	pectinatus Gould, MS.	107	<i>Turritella erosa</i> Couth.
107	<i>Patella candida</i> Couth.	107	<i>Pyramis striatula</i> Couth.
107	<i>Rimula Noachina</i> Linn.	107	<i>Cancellaria buccinoides</i> Couth.
107	<i>Galericulum ovatum</i> Brown.	107	<i>Trichotropis costellatus</i> Couth.
107	lævigatum Brown.	107	<i>Pleurotoma bicarinata</i> Cou.
107	<i>Bulla insculpta</i> Totten.	107	<i>Fusus pleurotomarius</i> Cou.
107	triticea Couth.	107	harpularius Couth.
107	lineolata Couth.	107	<i>Murex turriculus</i> Montagu.
107	<i>Bullina canaliculata</i> Say.	107	scalariformis Gould, MS.
107	<i>Bulimus lubricus</i> Penn.		

**Eaton.**—Zoological Text-book; containing Cuvier's four grand Divisions of Animals, &c. &c., with short descriptions of some of the most common species, &c. : by AMOS EATON. Albany, 1826.

[The first part of this work is devoted to Systematic Zoology, pp. 111-118 including Mollusca, with descriptions of genera. The second part contains descriptions of many species of animals, the genera being arranged alphabetically. The following are Mollusca, no locality being given. Most of them are foreign.—W. G. B.]

Page.		Page.	
141	<i>Anomia squamula</i> .	153	<i>Arca Noæ</i> .
141	tridentata.	155	<i>Argonauta argo</i> .
141	terebratula.	155	<i>Ascidia rustica</i> .

Page.		Page.	
159	<b>Buccinum stromboides.</b>	217	<b>Mya purpurea.</b>
159	<b>Bulla ampullæ.</b>	218	ovata.
160	fontinalis.	218	cariosa.
166	<b>Cardium edule.</b>	218	ochracea.
169	<b>Chama gigas.</b>	218	nasuta.
169	antiquata.	219	alata.
169	<b>Chiton tuberculatus.</b>	219	cylindrica.
170	<b>Clio pyramidata.</b>	219	undulata.
173	<b>Conus ammiralis.</b>	219	plicata.
176	<b>Cypræa arabica.</b>	219	undata.
176	argus.	219	elliptica.
177	tigris.	220	carinata.
178	<b>Dentalium elephantinum.</b>	220	prælonga.
179	<b>Donax trunculus.</b>	220	gibbosa.
179	<b>Doris argo.</b>	220	cuneata.
193	<b>Haliotis tuberculata.</b>	220	radiata.
193	<b>Helix albilabris.</b>	221	mucronata.
193	thyroidus.	221	inflata.
193	arboreus.	221	ventricosa.
193	tridentata.	221	sillicoidea.
194	alternata.	221	plana.
194	glaphyra.	221	triangularis.
194	trivolvus.	222	gracilis.
194	bicarinatus.	222	parva.
195	parvus.	222	arcuata.
195	catascopius.	222	rugosa.
195	heterostrophus.	222	complanata.
195	subcarinatus.	223	<b>Mytilus margaritiferus.</b>
195	virginica.	224	cataractus.
196	vivipara.	224	marginatus.
196	decisa.	224	<b>Nautilus pompellus.</b>
206	<b>Limax ater.</b>	225	<b>Nerita glaucina.</b>
206	maximus.	227	<b>Onchidium typhæ.</b>
206	agrestis.	228	<b>Ostræa maxima.</b>
208	<b>Mactra solida.</b>	229	Jacobæa.
208	lutraria.	229	edulis.
213	<b>Murex tribulus.</b>	229	plicatula.
213	erinaceous.	232	<b>Patella fornicata.</b>
216	<b>Mya margaritifera.</b>	232	fissura.
216	cornuta.	240	<b>Pholas dactylus.</b>
216	verrucosa.	241	<b>Pinna muricata.</b>
216	nodosa.	252	<b>Sepia officinalis.</b>
217	tuberculata.	252	loligo.
217	rugosa.	256	<b>Solen vagina.</b>
217	crassa.	258	<b>Spondylus quæderopus.</b>

Page.		Page.
262	<b>Strombus gigas.</b>	267 <b>Teredo navalis.</b>
266	<b>Tellina fragilis.</b>	272 <b>Trochus magus.</b>
266	<b>radiata.</b>	273 <b>Turbo corticaria.</b>
266	<b>similis. (Amer.)</b>	275 <b>Venus mercenaria. (N. Y.)</b>
266	<b>dubia. (Amer.)</b>	278 <b>Voluta pallida.</b>

**Gould.**—Mollusca and Shells of the United States Exploring Expedition (Com. Wilkes): by A. A. GOULD, M. D. Boston, 1852.

[The following are the American species.—W. G. B.]

Page.	Fig.	Name.	Locality.
2	2, 2 <sup>a</sup> , 2 <sup>b</sup>	<b>Arion foliolatus</b> <i>Gould.</i>	Puget Sound.
3	1-1 <sup>c</sup>	<b>Limax Columbianus</b> <i>Gould.</i>	Puget Sound, &c.
28	29-29 <sup>b</sup>	<b>Succinea rusticana</b> <i>Gould.</i>	Oregon.
36	37	<b>Helix Vancouverensis</b> <i>Lea.</i>	Oregon.
36	41-41 <sup>b</sup>	<b>strigosa</b> <i>Gould.</i>	Puget Sound, &c.
37	42-42 <sup>c</sup>	<b>sportella</b> <i>Gould.</i>	Puget Sound, &c.
66	38	<b>Nuttalliana</b> <i>Lea.</i>	Puget Sound, &c.
66	36	<b>Townsendiana</b> <i>Lea.</i>	Willamet creek.
		<i>Helix pedestris</i> <i>Gould</i> (p. 65).	
		<i>ruida</i> <i>Gould</i> (p. 65).	
67	35-35 <sup>c</sup>	<b>labiosa</b> <i>Gould.</i>	Oregon, &c.
68	39-39 <sup>c</sup>	<b>loricata</b> <i>Gould.</i>	Sacramento river.
69	74-74 <sup>b</sup>	<b>devia</b> <i>Gould.</i>	Puget Sound.
70	40-40 <sup>c</sup>	<b>germana</b> <i>Gould.</i>	Oregon.
112	131-131 <sup>c</sup>	<b>Planorbis vermicularis</b> <i>Gould.</i>	Interior of Oregon.
113	132-132 <sup>c</sup>	<b>opercularis</b> <i>Gould.</i>	Sacramento river.
113	130-130 <sup>b</sup>	<b>corpulentus</b> <i>Say.</i>	Columbia river.
114		<b>trivolvus</b> <i>Say.</i>	
120	138, 138 <sup>a</sup>	<b>Physa virginea</b> <i>Gould.</i>	Sacramento river.
121	141, 141 <sup>a</sup>	<b>Limnea lepida</b> <i>Gould.</i>	Lake Vancouver.
122		<b>apicina</b> <i>Lea.</i>	Oregon.
122		<b>umbrosa</b> <i>Say.</i>	Columbia and Sacramento rivers.
141	164, 164 <sup>a</sup>	<b>Melania silicula</b> <i>Gould.</i>	Nisqually.
142	163, 163 <sup>a</sup>	<b>bulbosa</b> <i>Gould.</i>	Columbia river.
143	165	<b>plicifera</b> <i>Lea.</i>	Lake George, Oregon.
144	166, 166 <sup>a</sup>	<b>Cerithium (Potamis) sacratum</b>	Sacramento river.
149	175-175 <sup>c</sup>	<b>filosum</b> <i>Gould.</i> [Gould.	Puget Sound.
185	207-207 <sup>b</sup>	<b>Trochus ligatus</b> <i>Gould.</i>	Puget Sound.
194	230-230 <sup>b</sup>	<b>Lacuna carinata</b> <i>Gould.</i>	Puget Sound.
197	237, 237 <sup>a</sup>	<b>Littorina patula</b> <i>Gould.</i>	San Francisco.

Page.	Fig.	Name.	Locality.
199	238-238 <sup>c</sup>	<b>Littorina lepida</b> Gould.	Puget Sound.
200	241, 241 <sup>a</sup>	<i>scutulata</i> Gould.	Puget Sound.
201	236-236 <sup>b</sup>	<i>plena</i> Gould.	San Francisco.
206		<b>Scalaria australis</b> Lam.	Puget Sound.
211	253, 253 <sup>a</sup>	<b>Natica Lewisii</b> Gould.	Puget Sound.
212	254, 254 <sup>a</sup>	<i>caurina</i> Gould.	Straits of de Fuca.
214	256, 256 <sup>a</sup>	<i>algida</i> Gould.	Classet, Oregon.
219	275	<b>Trichotropis cancellata</b> Hinds.	Straits of de Fuca.
233	284-284 <sup>b</sup>	<b>Fusus fidicula</b> Gould.	Puget Sound.
234	285-285 <sup>b</sup>	<i>orpheus</i> Gould.	Puget Sound.
241		<b>Triton Oregonense</b> Jay. <i>Fusus Oregonense</i> Rve. <i>cancellatus</i> Rve.	Puget Sound.
244	310, 310 <sup>a</sup>	<b>Purpura ostrina</b> Gould.	Killimook, Oregon.
254	321, 321 <sup>a</sup>	<b>Buccinum fossatum</b> Gould.	Puget Sound, &c.
263	331, 331 <sup>a</sup>	<b>Nassa mendica</b> Gould.	Puget Sound, &c.
264	332, 332 <sup>a</sup>	<i>rubricata</i> Gould.	Pacific coast.
267	337-337 <sup>b</sup>	<b>Columbella gausapata</b> Gould.	Puget Sound.
309		<b>Chioræa</b> Gould. (n. g.)	
310	404-404 <sup>b</sup>	<i>leonina</i> Gould.	Puget Sound.
311		<b>Dendronotus</b> ———.	Puget Sound.
311		<b>Goniodoris</b> ———.	Puget Sound.
311		<b>Doris</b> ———.	Puget Sound.
311		<b>Eolis</b> ———.	Puget Sound.
313	436	<b>Chiton muscosus</b> Gould.	Puget Sound.
321	433-433 <sup>b</sup>	<i>dentiens</i> Gould.	Puget Sound.
322	423-423 <sup>b</sup>	<i>interstinctus</i> Gould.	Puget Sound.
323	426-426 <sup>b</sup>	<i>vespertinus</i> Gould.	Puget Sound.
344	445-445 <sup>b</sup>	<b>Patella fimbriata</b> Gould.	Straits of de Fuca.
346	454, 454 <sup>a</sup>	<i>instabilis</i> Gould.	Puget Sound.
346	458, 458 <sup>a</sup>	<i>conica</i> Gould.	Puget Sound.
348	456-456 <sup>b</sup>	( <i>Lottia?</i> ) <i>scabra</i> Gould.	San Francisco.
349	457-457 <sup>b</sup>	<i>textilis</i> Gould.	Straits of de Fuca.
351	455-455 <sup>c</sup>	<b>Lottia pintadina</b> Gould. <i>Acmæa patina</i> Esch.? <i>scutum</i> Esch.?	Straits of de Fuca, &c.
367	471-471 <sup>b</sup>	<b>Fissurella cratitia</b> Gould.	Puget Sound.
368	475-475 <sup>c</sup>	<b>Rimula cucullata</b> Gould.	Puget Sound.
369	476-476 <sup>c</sup>	<i>galeata</i> Gould.	Puget Sound.
375	482-482 <sup>b</sup>	<b>Crepidula rostriformis</b> Gould.	Straits of de Fuca.
376	481-481 <sup>c</sup>	<i>lingulata</i> Gould.	Puget Sound.
377	480-480 <sup>b</sup>	<i>nummaria</i> Gould.	Classet.
379	484-484 <sup>b</sup>	<b>Calyptrea fastigiata</b> Gould.	Puget Sound.
384	498-498 <sup>b</sup>	<b>Mya præcisa</b> Gould.	Puget Sound.
385	507-507 <sup>b</sup>	<b>Panopæa generosa</b> Gould.	Puget Sound.

Page.	Fig.	Name.	Locality.
387	501-501 <sup>b</sup>	<b>Solen sicarius</b> <i>Gould.</i>	Straits of de Fuca.
393	506-506 <sup>b</sup>	<b>Maetra falcata</b> <i>Gould.</i>	Puget Sound.
395	508-508 <sup>b</sup>	<b>Lutraria maxima</b> <i>Midd.</i> <i>L. capax</i> <i>Gould.</i>	Puget Sound.
397	509-509 <sup>b</sup>	<b>Osteodesma bracteatum.</b>	Puget Sound.
399		<b>Saxidomus Nuttalli</b> <i>Conr.</i>	Straits of de Fuca.
417	532, 532 <sup>a</sup>	<b>Cardita ventricosa</b> <i>Gould.</i>	Puget Sound.
418	534, 534 <sup>a</sup>	<b>Cardium blandum</b> <i>Gould.</i>	Puget Sound.
420	538-588 <sup>b</sup>	<b>Venus rigida</b> <i>Gould.</i>	Puget Sound, &c.
426	527-527 <sup>b</sup>	<b>Cyclas patella</b> <i>Gould.</i>	Oregon.
432	544-544 <sup>b</sup>	<b>Unio famelicus</b> <i>Gould.</i>	Wallawalla.
433	545-545 <sup>b</sup>	<b>Alasmodonta falcata</b> <i>Gould.</i>	Wallawalla, &c.
435	546-546 <sup>b</sup>	<b>Anodonta cognata</b> <i>Gould.</i>	Nisqually, &c.
436		<b>angulata</b> <i>Lea.</i>	Sacramento river.
436	547-547 <sup>b</sup>	<b>feminalis</b> <i>Gould.</i>	Wallawalla, &c.
450	567, 567 <sup>a</sup>	<b>Mytilus trossulus</b> <i>Gould.</i>	Puget Sound.
453	561, 561 <sup>a</sup>	( <b>Modiola</b> ) <b>flabellatus</b> <i>Gould.</i>	Puget Sound.
457	570, 570 <sup>a</sup>	<b>Pecten hericius</b> <i>Gould.</i>	Straits of de Fuca.
458	569-569 <sup>b</sup>	<b>caurinus</b> <i>Gould.</i>	Port Townsend.
467	581-581 <sup>e</sup>	<b>Terebratula pulvinata</b> <i>Gould.</i>	Puget Sound.
468	582-582 <sup>e</sup>	<b>caurina</b> <i>Gould.</i>	Puget Sound.

## ADDENDA AND CORRIGENDA.

Page.		Page.	
501*	<b>Helix loricata</b> <i>Gould.</i> <i>H. Lecontei</i> <i>Lea.</i>	503*	<b>Natica Lewisii</b> <i>Gould.</i> <i>N. herculea</i> <i>Midd.</i>
501*	<b>devia</b> <i>Gould.</i> <i>H. Baskervillei</i> <i>Pfr.</i>	508*	<b>Lutraria capax</b> <i>Gould.</i> <i>L. maxima</i> (preoc.)
503*	<b>Trochus ligatus</b> <i>Gould.</i> <i>T. castaneus</i> <i>Forbes.</i>		

**Conrad.**—Descriptions of Marine Shells from Upper California, collected by Thomas Nuttall, Esq.: by T. A. CONRAD. (From Journ. Acad. Nat. Sci., of Philadelphia, vol. vii, pt. 2, p. 227, 1837.)

[This paper was very imperfectly quoted on p. 53. I give both foreign and American species here.—W. G. B.]

Page.	Plate.	Fig.	Name.	Locality.
228	xvii	1	<b>Pandora punctata</b> <i>Conr.</i>	Sta. Barbara.
228	xvii	2	<b>Cardium substriatum</b> <i>Conr.</i>	St. Diego.
229	xvii	3	<b>Nuttalli</b> <i>Conr.</i>	Estuary of Columbia r.
229	xvii	4	<b>Californianum</b> <i>Conr.</i>	Sta. Barbara.

Page.	Plate.	Fig.	Name.	Locality.
230	xvii	5	<i>Cardium quadragenarium</i> <i>Conr.</i>	Sta. Barbara.
230	xvii	6	<i>Sanguinolaria Nuttalli</i> <i>Conr.</i>	St. Diego.
231	xvii	7	<i>Californiana</i> <i>Conr.</i>	Estuary of Columbia r.
231	xvii	8	<i>Solecurtus lucidus</i> <i>Conr.</i>	Sta. Barbara.
232	xvii	9	<i>Nuttalli</i> <i>Conr.</i>	Estuary of Columbia r.
232			<i>Cultellus</i> <i>Conr.</i> (n. s. g.)	
233	xvii	10	<i>Solecurtus subteres</i> <i>Conr.</i>	Sta. Barbara.
233	xviii	3	<i>Californianus</i> <i>Conr.</i>	Sta. Barbara.
234	xvii	11	<i>Sphaenia Californica</i> <i>Conr.</i>	Sta. Barbara.
234	xvii	12	<i>Cumingia Californica</i> <i>Conr.</i>	Sta. Barbara.
235			<i>Cryptodon</i> <i>Conr.</i> (n. s. g.)	
235	xviii	1	<i>Lutraria Nuttalli</i> <i>Conr.</i>	Sta. Barbara.
235			<i>Platyodon</i> <i>Conr.</i> (n. s. g.)	
236	xviii	2	<i>Mya cancellata</i> <i>Conr.</i>	Sta. Barbara.
236	xviii	4	<i>Cypricardia Californica</i> <i>Conr.</i>	Sta. Barb'a, St. Diego.
236	xviii	5	<i>Pholas Californica</i> <i>Conr.</i>	Sta. Barb'a, St. Diego.
237	xviii	7	<i>penita</i> <i>Conr.</i>	Sta. Barb'a, St. Diego.
238	xviii	8	<i>Periploma argentaria</i> <i>Conr.</i>	St. Diego.
238	xviii	9	<i>Pecten lati-auratus</i> <i>Conr.</i>	St. Diego, Sta. Barb'a.
238	xviii	10	<i>monotimeris</i> <i>Conr.</i>	St. Diego, Sta. Barb'a.
239	xviii	11	<i>Amphidesma rubro-lineata</i> <i>Conr.</i>	St. Diego.
239	xix	2	<i>decisa</i> <i>Conr.</i>	St. Diego.
239	xx	4	<i>bellastrata</i> <i>Conr.</i>	Mobile point, Ala.
240	xviii	12	<i>Mactra Californica</i> <i>Conr.</i>	Sta. Barbara.
240			<i>planuiata</i> <i>Conr.</i>	Sta. Barbara.
241	xviii	13	<i>Psammobia pacifica</i> <i>Conr.</i>	St. Diego.
241	xviii	14	<i>Mytilus bifurcatus</i> <i>Conr.</i>	Sandwich Islands.
242	xviii	15	<i>Californianus</i> <i>Conr.</i>	S. Diego, S. Bar., Mon-
242			<i>crebristriatus</i> <i>Conr.</i>	Sand'ch Isl. [terey.
242			<i>Modiola capax</i> <i>Conr.</i>	St. Diego.
243	xix	1	<i>recta</i> <i>Conr.</i>	Sta. Barbara.
243	xx	6	<i>Carolinensis</i> <i>Conr.</i>	Sullivan's Isl., Charleston,
244	xx	7	<i>Modiola semicostata</i> <i>Conr.</i>	Salem, Mass. [S. C.
244	xix	4	<i>Pinna Nuttalli</i> <i>Conr.</i>	Sandwich Islands.
245	xx	11	<i>semicostata</i> <i>Conr.</i>	Sandwich Islands.
245	xix	9	<i>incisa</i> <i>Conr.</i>	Sandwich Islands.
246	xix	13	<i>Californica</i> <i>Conr.</i>	Sandwich Islands.
246			<i>costellata</i> <i>Conr.</i>	Sandwich Islands.
246	xix	6	<i>Avicula pallida</i> <i>Conr.</i>	Sandwich Islands.
246			<i>nebulosa</i> <i>Conr.</i>	Sandwich Islands.
246			<i>Mytilimeria</i> <i>Conr.</i> (n. g.)	
247			<i>Nuttalli</i> <i>Conr.</i>	California.
247	xix	7	<i>Lima dehiscens</i> <i>Conr.</i>	Fayal.
248	xix	8	<i>Thracia curta</i> <i>Conr.</i>	Sta. Barbara.
248	xix	10	<i>Lyonsia inflata</i> <i>Conr.</i>	Guayaquil.



Page.	Plate.	Fig.	Name.	Locality.
248	xix	21	<b>Lyonsia Californica</b> <i>Conr.</i>	Sta. Barbara.
249			<b>Saxidomus</b> <i>Conr.</i> (n. g.)	
249	xix	14	<b>Nuttalli</b> <i>Conr.</i>	St. Diego, California.
250	xix	16	<b>Venus Nuttalli</b> <i>Conr.</i>	St. Diego, Sta. Barb'a.
250	xix	15	<b>staminea</b> <i>Conr.</i>	St. Diego, Sta. Barb'a.
251	xix	14	<b>Californiana</b> <i>Sowb.</i>	St. Diego.
251	xix	19	<b>lamellifera</b> <i>Conr.</i>	California.
251			<b>Mortoni</b> <i>Conr.</i>	Charleston, S. C.
252			<b>Cytherea callosa</b> <i>Conr.</i>	Sta. Barbara.
253	xix	18	<b>prora</b> <i>Conr.</i>	New Holland.
253	xix	22	<b>hieroglyphica</b> <i>Conr.</i>	Sandwich Islands.
253			<b>Trigonella</b> <i>Conr.</i> (n. s. g., no descr.)	
253	xix	17	<b>Cytherea crassatelloides</b> <i>Conr.</i>	St. Diego, Sta. Barb'a.
254	xix	21	<b>Donax Californica</b> <i>Conr.</i>	Sta. Barbara.
254	xix	11	<b>Lucina bella</b> <i>Conr.</i>	St. Diego.
255	xx	1	<b>Californica</b> <i>Conr.</i>	St. Diego.
255	xx	2	<b>Nuttalli</b> <i>Conr.</i>	St. Diego.
255	xx	8	<b>Saxicava carditoides</b> <i>Conr.</i>	Sta. Barbara.
256	xx	9	<b>Californica</b> <i>Conr.</i>	Sta. Barb'a, St. Diego.
256			<b>Chama iostoma</b> <i>Conr.</i>	Atooi.
256			<b>exogyra</b> <i>Conr.</i>	Sta. Barb'a, St. Diego.
257	xx	10	<b>Vulsella Nuttalli</b> <i>Conr.</i>	Friendly Islands.
257			<b>Tellina secta</b> <i>Conr.</i>	St. Diego.
258			<b>alta</b> <i>Conr.</i>	Sta. Barbara.
258			<b>nasuta</b> <i>Conr.</i>	St. Diego.
259			<b>dispar</b> <i>Conr.</i>	Sandwich Islands.
259			<b>obliquilineata</b> <i>Conr.</i>	Sandwich Islands.
259	xx	3	<b>linter</b> <i>Conr.</i>	Mobile Point, Ala.
260			<b>Hinnita Nuttalli</b> <i>Conr.</i>	Fayal.
263	xx	26	<b>Scalaria turbinata</b> <i>Conr.</i>	Beaufort, N. C.
263			<b>Cerostoma</b> <i>Conr.</i> (n. s. g.)	
264	xx	22	<b>Nuttalli</b> <i>Conr.</i>	Sta. Barbara.
264	xx	17	<b>Monoceros engonata</b> <i>Conr.</i>	Sta. Barbara.
264			<b>brevidens</b> <i>Conr.</i>	Sta. Barbara.
265	xx	18	<b>lapilloides</b> <i>Conr.</i>	Sta. Barbara.
265	xx	19	<b>Purpura Nuttalli</b> <i>Conr.</i>	Fayal.
265	xx	21	<b>Floridana</b> <i>Conr.</i>	Florida and Alabama.
266	xx	25	<b>harpa</b> <i>Conr.</i>	Sta. Barbara.
266	xx	23	<b>bulbiformis</b> <i>Conr.</i>	Sandwich Islands.
267	xx	20	<b>dumosa</b> <i>Conr.</i>	
267			<b>macrostoma</b> <i>Conr.</i>	Sta. Barbara.
268	xx	24	<b>foliacea</b> <i>Conr.</i>	Atooi.

**Lea, Agassiz.**—In the Proceedings of the American Philosophical Society of Philadelphia, occur the following:—

Vol.	Pa.	Name.	Vol.	Pa.	Name.
		<b>Isaac Lea.</b>			
Nov. Dec.	1838	[For locality, see Trans. American Philosophical Society.—W. G. B.]			
i	66	<b>Melania Cincinnatiensis</b> <i>Lea.</i>	i	289	<b>Anodonta Footiana</b> <i>Lea.</i>
			i	289	<b>Melania catenaria</b> <i>Lea.</i>
Mar. Apr.	1840		i	289	<b>Boykiniana</b> <i>Lea.</i>
i	187	<b>Patella amœna</b> Say= <b>Patelloida testudinalis.</b>	i	289	<b>Carocolla Cumberlandiana</b> <i>Lea.</i>
Oct.	1840		i	289	<b>Cyclostoma Cincinnatiensis</b> <i>Lea.</i>
i	285	<b>Unio Cincinnatiensis</b>			
i	285	<b>pilaris</b> <i>Lea.</i> [ <i>Lea.</i>	Feb. 1841		
i	285	<b>Geddingsianus</b> <i>Lea.</i>	ii	11	<b>Melania Hildrethiana</b>
i	286	<b>tuberosus</b> <i>Lea.</i>	ii	11	<b>castanea</b> <i>Lea.</i> [ <i>Lea.</i>
i	286	<b>cuneolus</b> <i>Lea.</i>	ii	11	<b>lævigata</b> <i>Lea.</i>
i	286	<b>Lesueurianus</b> <i>Lea.</i>	ii	11	<b>Kirtlandiana</b> <i>Lea.</i>
i	286	<b>Stonensis</b> <i>Lea.</i>	ii	11	<b>Taitiana</b> <i>Lea.</i>
i	286	<b>lens</b> <i>Lea.</i>	ii	11	<b>dubia</b> <i>Lea.</i>
i	286	<b>plenus</b> <i>Lea.</i>	ii	12	<b>ebenum</b> <i>Lea.</i>
i	286	<b>tener</b> <i>Lea.</i>	ii	12	<b>rufa</b> <i>Lea.</i>
i	286	<b>pusillus</b> <i>Lea.</i>	ii	12	<b>fusiformis</b> <i>Lea.</i>
i	286	<b>amœnus</b> <i>Lea.</i>	ii	12	<b>clavæformis</b> <i>Lea.</i>
i	286	<b>incrassatus</b> <i>Lea.</i>	ii	12	<b>gracilis</b> <i>Lea.</i>
i	286	<b>Boydianus</b> <i>Lea.</i>	ii	12	<b>subsolida</b> <i>Lea.</i>
i	287	<b>Sloatianus</b> <i>Lea.</i>	ii	12	<b>Ocoeensis</b> <i>Lea.</i>
i	287	<b>paulus</b> <i>Lea.</i>	ii	12	<b>subcylindræcea</b> <i>Lea.</i>
i	287	<b>strigosus</b> <i>Lea.</i>	ii	12	<b>sordida</b> <i>Lea.</i>
i	287	<b>lineatus</b> <i>Lea.</i>	ii	12	<b>regularis</b> <i>Lea.</i>
i	287	<b>exiguus</b> <i>Lea.</i>	ii	12	<b>fuliginosa</b> <i>Lea.</i>
i	287	<b>tortivus</b> <i>Lea.</i>	ii	12	<b>Nickliniana</b> <i>Lea.</i>
i	287	<b>subangulatus</b> <i>Lea.</i>	ii	12	<b>viridis</b> <i>Lea.</i>
i	287	<b>striatus</b> <i>Lea.</i>	ii	12	<b>occidentalis</b> <i>Lea.</i>
i	287	<b>fatuus</b> <i>Lea.</i>	ii	12	<b>Niagaraensis</b> <i>Lea.</i>
i	287	<b>dactylus</b> <i>Lea.</i>	ii	12	<b>globula</b> <i>Lea.</i>
i	287	<b>obtusus</b> <i>Lea.</i>	ii	13	<b>altilis</b> <i>Lea.</i>
i	288	<b>Boykinianus</b> <i>Lea.</i>	ii	13	<b>strigosa</b> <i>Lea.</i>
i	288	<b>Edgarianus</b> <i>Lea.</i>	ii	13	<b>virgata</b> <i>Lea.</i>
i	288	<b>biangularis</b> <i>Lea.</i>	ii	13	<b>tenebrosa</b> <i>Lea.</i>
i	288	<b>nitens</b> <i>Lea.</i>	ii	13	<b>teres</b> <i>Lea.</i>
i	288	<b>Holstonensis</b> <i>Lea.</i>	ii	13	<b>obtusa</b> <i>Lea.</i>
i	288	<b>dolabelloides</b> <i>Lea.</i>	ii	13	<b>Lecontiana</b> <i>Lea.</i>
i	288	<b>Tennesseeensis</b> <i>Lea.</i>	ii	13	<b>corrugata</b> <i>Lea.</i>
i	288	<b>atro-marginatus</b> <i>Lea.</i>	ii	13	<b>monozonalis</b> <i>Lea.</i>
i	288	<b>Bournianus</b> <i>Lea.</i>	ii	13	<b>terebralis</b> <i>Lea.</i>
i	288	<b>Margaritana Curreyiana</b> <i>Lea.</i>	ii	13	<b>columella</b> <i>Lea.</i>
i	289	<b>Anodonta Harpethiana</b>	ii	13	<b>blanda</b> <i>Lea.</i>
i	289	<b>argentea</b> <i>Lea.</i> [ <i>Lea.</i>	ii	13	<b>crebri-costata</b> <i>Lea.</i>
i	289	<b>ferruginea</b> <i>Lea.</i>	ii	14	<b>Curreyana</b> <i>Lea.</i>
i	289	<b>Cowperiana</b> <i>Lea.</i>	ii	14	<b>Edgariana</b> <i>Lea.</i>
i	289	<b>Maryattiana</b> <i>Lea.</i>	ii	14	<b>decora</b> <i>Lea.</i>
			ii	14	<b>costulata</b> <i>Lea.</i>

[Proceedings of the Amer. Phil. Society of Philad.—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
ii	14	<i>Melania nitida</i> Lea.	ii	33	<i>Lymnea rustica</i> Lea.
ii	14	<i>plicatula</i> Lea.	ii	33	<i>plica</i> Lea.
ii	14	<i>concinna</i> Lea.	ii	33	<i>coarctata</i> Lea.
ii	14	<i>Babylonica</i> Lea.	ii	33	<i>casta</i> Lea.
ii	14	<i>exarata</i> Lea.	ii	33	<i>parva</i> Lea.
ii	14	<i>Potosiensis</i> Lea.	ii	33	<i>curta</i> Lea.
ii	14	<i>acuto-carinata</i> Lea.	ii	33	<i>strigosa</i> Lea.
ii	14	<i>Warderiana</i> Lea.	ii	33	<i>Kirtlandiana</i> Lea.
ii	14	<i>sulcosa</i> Lea.	ii	34	<i>Paludina regularis</i> Lea.
ii	15	<i>striata</i> Lea.	ii	34	<i>obtusa</i> Lea.
ii	15	<i>pilula</i> Lea.	ii	34	<i>Troostiana</i> Lea.
ii	15	<i>circincta</i> Lea.	ii	34	<i>Anculosa Troostiana</i>
ii	15	<i>venusta</i> Lea.	ii	34	<i>gibbosa</i> Lea. [Lea.]
ii	15	<i>Florentiana</i> Lea.	ii	34	<i>dentata</i> Lea.
ii	15	<i>Duttoniana</i> Lea.	ii	34	<i>variabilis</i> Lea.
ii	15	<i>Holstonia</i> Lea.	ii	34	<i>Ammicola orbiculata</i>
ii	15	<i>caliginosa</i> Lea.	ii	34	<i>parva</i> Lea. [Lea.]
ii	15	<i>nodulosa</i> Lea.	ii	34	<i>Io tenebrosa</i> Lea.
Apr.	1841		ii	34	Notes on parturition, &c., of Uniones.
ii	30	<i>Unio Sapotalensis</i> Lea.	Oct.	1841	
ii	30	<i>Tecomatensis</i> Lea.	ii	81	<i>Valvata bicarinata</i> Lea.
ii	30	<i>Bigbyensis</i> Lea.	ii	82	<i>Unio Brumleyanus</i> Lea.
ii	31	<i>crocatu</i> Lea.	ii	82	<i>regularis</i> Lea.
ii	31	<i>callosus</i> Lea.	ii	82	<i>mœstus</i> Lea.
ii	31	<i>Duttonianus</i> Lea.	ii	82	<i>sparsus</i> Lea.
ii	31	<i>Georgianus</i> Lea.	ii	82	<i>argenteus</i> Lea.
ii	31	<i>Anodonta Montezuma</i>	ii	82	<i>Helix Mobiliana</i> Lea.
ii	31	<i>globosa</i> Lea. [Lea.]	ii	82	<i>minutissima</i> Lea.
ii	31	<i>Helix Tennesseeensis</i>	ii	82	<i>Melania turgida</i> Lea.
		Lea.	ii	82	<i>glabra</i> Lea.
ii	31	<i>Carocolla Edgariana</i>	ii	82	<i>perfusca</i> Lea.
		Lea.	ii	82	<i>picta</i> Lea.
ii	31	<i>Succinea Wardiana</i>	ii	82	<i>impressa</i> Lea.
		Lea.	ii	83	<i>robusta</i> Lea.
ii	32	<i>Totteniana</i> Lea.	ii	83	<i>Jayana</i> Lea.
ii	32	<i>Nuttalliana</i> Lea.	ii	83	<i>Anculosa rubiginosa</i>
ii	32	<i>aurea</i> Lea.	ii	83	<i>bella</i> Lea. [Lea.]
ii	32	<i>Oregonensis</i> Lea.	ii	83	<i>Griffithiana</i> Lea.
ii	32	<i>inflata</i> Lea.	ii	83	<i>tuberculata</i> Lea.
ii	32	<i>Planorbis regularis</i> Lea.	ii	83	<i>Valvata bicarinata</i> Lea.
ii	32	<i>Buchanensis</i> Lea.	ii	83	<i>Paludina angulata</i> Lea.
ii	32	<i>bellus</i> Lea.	ii	83	<i>Coosaensis</i> Lea.
ii	32	<i>Physa Hildrethiana</i>	ii	83	<i>cyclostomataformis</i>
ii	32	<i>inflata</i> Lea. [Lea.]	ii	83	Lea.
ii	32	<i>Troostensis</i> Lea.	Jan.-		
ii	32	<i>Lymnea Philadelphica</i>	Apr.	1842	
		Lea.	ii	150	<i>Melania altalis</i> Lea.
ii	33	<i>Griffithiana</i> Lea.	Aug.-	1842	
ii	33	<i>Nuttalliana</i> Lea.	Oct.		
ii	33	<i>bulimoides</i> Lea.	ii	224	<i>Unio Foremanianus</i>
ii	33	<i>exigua</i> Lea.	ii	224	<i>Haleianus</i> Lea. [Lea.]
ii	33	<i>planulata</i> Lea.	ii	225	<i>Dariensis</i> Lea.
ii	33	<i>fusiformis</i> Lea.			

[Proceedings of the Amer. Phil. Society of Philad.—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
ii	225	<b>Anodonta Dunlapiana</b> <i>Lea.</i>	iv	163	<b>Unio unicolor</b> <i>Lea.</i>
Nov- Dec.	1842		iv	163	<b>flavescens</b> <i>Lea.</i>
ii	234	Notes on turbinated and discoid shells, as <b>Turbo duplicatus.</b>	iv	164	<b>pallescens</b> <i>Lea.</i>
			iv	164	<b>utriculus</b> <i>Lea.</i>
Dec.	1842		iv	164	<b>spatulicus</b> <i>Lea.</i>
ii	237	<b>Melania rufa</b> <i>Lea</i> = <b>rufes-</b> <b>cens.</b>	iv	164	<b>tumescens</b> <i>Lea.</i>
ii	237	<b>striata</b> <i>Lea</i> = <b>striatula.</b>	iv	164	<b>caperatus</b> <i>Lea.</i>
ii	237	<b>laevigata</b> <i>Lea</i> = <b>laevis.</b>	iv	164	<b>fulgidus</b> <i>Lea.</i>
ii	237	<b>corrugata</b> <i>Lea</i> = <b>rugo-</b> <b>sa.</b>	iv	164	<b>pulvinulus</b> <i>Lea.</i>
ii	237	<b>Unio compressus</b> <i>Lea</i> = <b>pressus.</b>	iv	164	<b>hyalinus</b> <i>Lea.</i>
ii	242	<b>Melania plicatula</b> <i>Lea</i> = <b>Deshaynsiana.</b>	iv	164	<b>Estabrookianus</b> <i>Lea.</i>
ii	242	<b>plicata</b> <i>Lea</i> = <b>Menki-</b> <b>ana.</b>	iv	164	<b>approximus</b> <i>Lea.</i>
ii	242	<b>exarata</b> <i>Lea</i> = <b>arata.</b>	iv	164	<b>symmetricus</b> <i>Lea.</i>
ii	242	<b>Planorbis lens</b> <i>Lea</i> = <b>Brog-</b> <b>niarti.</b>	iv	164	<b>fuliginosus</b> <i>Lea.</i>
ii	242	<b>Melania Vanuzemiana</b>	iv	165	<b>caliginosus</b> <i>Lea.</i>
ii	242	<b>ovalis</b> <i>Lea.</i> [ <i>Lea.</i>	iv	165	<b>Binneyi</b> <i>Lea.</i>
ii	242	<b>Haysiana</b> <i>Lea.</i>	iv	165	<b>Gouldii</b> <i>Lea.</i>
ii	242	<b>excisa</b> <i>Lea.</i>	iv	165	<b>Margaritana minor</b> <i>Lea.</i>
ii	242	<b>Schizostoma n. g.</b> <i>Lea.</i>	iv	165	<b>Anodonta tetragona</b> <i>Lea.</i>
ii	242	<b>Melania Ordiana</b> <i>Lea.</i>	iv	165	<b>Melania Buddii</b> <i>Lea.</i>
ii	242	<b>brevis</b> <i>Lea.</i>	iv	165	<b>torta</b> <i>Lea.</i>
ii	242	<b>oliva</b> <i>Lea.</i>	iv	165	<b>pernodosa</b> <i>Lea.</i>
ii	242	<b>Foremani</b> <i>Lea.</i>	iv	165	<b>filum</b> <i>Lea.</i>
ii	242	<b>torquata</b> <i>Lea.</i>	iv	165	<b>nobilis</b> <i>Lea.</i>
ii	243	<b>producta</b> <i>Lea.</i>	iv	165	<b>carino-costata</b> <i>Lea.</i>
ii	243	<b>curvata</b> <i>Lea.</i>	iv	165	<b>abrupta</b> <i>Lea.</i>
ii	243	<b>expansa</b> <i>Lea.</i>	iv	166	<b>pallescens</b> <i>Lea.</i>
ii	243	<b>Anculosa incisa</b> <i>Lea.</i>	iv	166	<b>lugubris</b> <i>Lea.</i>
ii	243	<b>Foremani</b> <i>Lea.</i>	iv	166	<b>spinalis</b> <i>Lea.</i>
ii	243	<b>solida</b> <i>Lea.</i>	iv	166	<b>spurca</b> <i>Lea.</i>
ii	243	<b>flammata</b> <i>Lea.</i>	iv	166	<b>harpa</b> <i>Lea.</i>
ii	243	<b>Paludina incrassata</b> <i>Lea.</i>	iv	166	<b>basalis</b> <i>Lea.</i>
ii	243	<b>coarctata</b> <i>Lea.</i>	iv	166	<b>auriculæformis</b> <i>Lea.</i>
May- Aug.	1845		iv	166	<b>pumila</b> <i>Lea.</i>
iv	163	<b>Unio compressissimus</b>	iv	166	<b>protea</b> <i>Lea.</i>
iv	163	<b>pellucidus</b> <i>Lea.</i> [ <i>Lea.</i>	iv	166	<b>arctata</b> <i>Lea.</i>
iv	163	<b>pernodosus</b> <i>Lea.</i>	iv	166	<b>solida</b> <i>Lea.</i>
iv	163	<b>atrocostatus</b> <i>Lea.</i>	iv	166	<b>crebristriata</b> <i>Lea.</i>
iv	163	<b>latecostatus</b> <i>Lea.</i>	iv	166	<b>modesta</b> <i>Lea.</i>
iv	163	<b>hippopæus</b> <i>Lea.</i>	iv	167	<b>Haleiana</b> <i>Lea.</i>
iv	163	<b>simplex</b> <i>Lea.</i>	iv	167	<b>Alexandrensis</b> <i>Lea.</i>
			iv	167	<b>ovoidea</b> <i>Lea.</i>
			iv	167	<b>Anculosa squalida</b> <i>Lea.</i>
			iv	167	<b>tintinnabulum</b> <i>Lea.</i>
			iv	167	<b>Schizostoma pagoda</b>
			iv	167	<b>Buddii</b> <i>Lea.</i> [ <i>Lea.</i>
			iv	167	<b>Babylonicum</b> <i>Lea.</i>
			iv	167	<b>constrictum</b> <i>Lea.</i>
			iv	167	<b>laciniatum</b> <i>Lea.</i>
			iv	167	<b>funiculatum</b> <i>Lea.</i>
			iv	167	<b>Paludina Haleiana</b> <i>Lea.</i>

[Proceedings of the Amer. Phil. Society of Philad.—*continued.*]

Vol.	Pa.	Name.
July, 1851	v 187	Remarks on Agassiz's Paper.
	v 191	Remarks on Weight of Naiades.
Feb. 1852	v 220	Letter to Agassiz.
Dec. 1852	v 257	List of Shells described in Transactions (no description).
	v 253	Fulcrum in Helix (vide Transactions).
Feb. 1852	v 219	<b>Agassiz.</b> —Letter to Isaac Lea, on the Naiades, by L. AGASSIZ.

**Anthony.**—On the Byssus of Unio: By JOHN G. ANTHONY, Esq. With Notes by J. E. GRAY, Esq. (From Annals and Magazine of Nat. Hist. London, Sept., 1840. Vol. vi, p. 77.)

**Wood, Thomson, La Montan, &c.**—In the descriptions of New England, Virginia, and other parts of North America, published in the seventeenth and eighteenth centuries, occur many notices of the Shells of the country. Of no scientific value, they are still interesting to the Conchologist. As samples, I quote the following:—

**Anonymous.**—A perfect description of Virginia; being a full and true Relation of the present State of the Plantation, their Health, Peace, and Plenty; the number of people, with their abundance of Cattell, Fowl, Fish, &c. &c. &c. London: Printed for Richard Wodenoth, at the Star, under Peter's Church, in Cornhill. 1649.

Page.

18 Fish are there in their kinde, above Thirty sorts:—

No. 28. Oysters.

No. 29. Cockles.

No. 30. Mussles.

**Thomson.**—New England's Crisis: by BENJAMIN THOMPSON, about 1676.  
(The Prologue commences thus:—)

The times wherein old Pompion was a saint,  
When men far'd hardly, yet without complaint,  
On vilest Cates, the dainty Indian maize  
Was eat with Clamp Shells, out of wooden Trays, &c.

**Wood.**—New England's Prospect; a true, lively, and experimental description of that part of America commonly called New England; discovering the State of that Country, both as it stands to our new-come English Planters, and to the Native Inhabitants. Laying down that which may both enrich the knowledge of the mind-travelling Reader, or benefit the future Voyager: by WILLIAM WOOD. London: Printed by John Dawson, and to be sold by John Bellamy, at his Shop, at the three Golden Lyons in Cornhill, neere the Royall Exchange. 1639.

[Chapter ix. treats of Fish, giving interesting accounts of the habits and collecting of Oysters, Clams, &c., on p. 29, 30, 31. On page 28 occurs the following:—W. G. B.]

#### KINDS OF SHELL-FISH.

The luscious Lobster, with the Crab-fish raw,  
The Brinish Oyster, Muscle, Periwigge,  
And tortoise sought by the Indian's Squaw,  
Which to the flatts dance many a winter's Jigge,  
To dive for Cockles, and to digge for Clams,  
Whereby her lazie husband's guts she cramms.

[This valuable work was reprinted at "Boston, New England, by Thomas and John Fleet, in Cornhill; and Green and Russell, in Queen-Street, 1764," as a third edition. The above lines are on p. 38 of the reprint.—W. G. B.]

**La Hontan.**—New Voyages to North America, containing an account of the several Nations of that vast Continent, &c., written in French by the Baron LAHONTAN, &c. Done into English. Second edition. London, 1735, vol. i.

[This is an English translation of a work the second edition of which was published at "La Haye, 1706," the Shells being noticed in vol. ii. pp. 54 and 56.—W. G. B.]

Page.

243

#### THE SHELL FISH.

Little Lobsters.  
Crab Fish.  
Cockles.  
Muscles.

**Shumard.**—Catalogue of the Naiades of Jefferson County, Kentucky: by B. F. SHUMARD, M. D. (From the Naturalist's Journal of Agriculture, Horticulture, Education and Literature, Franklin College, Tennessee. Vol. I. No. 3. March, 1856.)

[This title was given me by Mr. Tryon. I have not been able to find the work.—W. G. B.]

**Lea.**—Reprint of Papers read and remarks made before the Academy of Natural Sciences of Philadelphia, in 1857–8. Philadelphia, 1858. Also of those in 1859–60. Philadelphia, 1860.

[The species have already been quoted from the Proceedings of the Acad.—W. G. B.]

**Cooper.**—Report on the Mollusca of the Survey: by WILLIAM COOPER. In the 2d part of the 12th volume of the Pacific Railroad Reports.

[This is the same as afterwards appeared in Cooper and Suckley's Natural History of Washington Territory, &c., which has been quoted on p. 274. The paging as there given is of the Pacific Railroad Report. In the separate work the paging of Mr. Cooper's paper commences at page one; the text being the same.—W. G. B.]

**Green.**—Notes of a Naturalist: by JACOB GREEN, M. D. (From Doughty's Cabinet of Natural History. Vol. III. No. 2. Philadelphia, 1834.)

[Only four numbers of the third volume of this work were ever published, and these are rarely preserved in Libraries, even those containing the first and second volumes complete.—W. G. B.]

Page.

35 *Helix pomum-Adami Green.*

**Kirtland.**—New locality of *Limnea megasoma* Say: by Dr. J. P. KIRTLAND. (From Annals of Science, &c., including the Transactions of the Cleveland Academy of Natural Sciences. Conducted by Hamilton A. Smith, A. M. Cleveland. Vol. II, No. 1. Jan. 1854.)

Page.

6 *Limnea megasoma* Say. Alliance, Mahoning river.

**Mussey.**—The Proceedings of the National Institute at Washington contain several lists of Shells presented the Society. On p. 297, of 1843, is one—Ohio Valley Shells—presented by Dr. R. D. MUSSEY. There are no descriptions. The typographical errors are too numerous to repeat.

**Dewey.**—List of Naiades found in Western New York, and sent to the State collection at Albany, with some chiefly from Ohio: by Prof. C. DEWEY. (From Ninth Annual Report on the Condition of the State Cabinet of Natural History. Albany, 1856.)

[No descriptions are given, but some remarks on variation, locality, &c. There are several lists of Shells in the State Cabinet published in some of the other annual Reports, such as the Twelfth, and the Catalogue of the Collection—but they are not accompanied by descriptions, and rarely by localities.—W. G. B.]

Page.		Page.	
32	<b>Unio alatus</b> Say. <i>Mya alata</i> Wood.		<i>U. coarctata</i> Lam. <i>rarisulcata</i> Lam.
33	<b>radiatus</b> Lam. <i>U. Virginiana</i> Lam. <i>Mya radiata</i> Wood.		<i>sulcidens</i> Lam. <i>glabrata</i> Lam.
33	<b>Novi-Eboraci</b> Lea.	35	<b>Unio cariosus</b> Say.
33	<b>iris</b> Lea.	35	<b>rectus</b> Lam. <i>U. prælongus</i> Barnes. <i>Mya prælonga</i> Wood.
33	<b>rubiginosus</b> Lea. <i>U. flavus</i> Conr.	35	<b>rosaceus</b> De Kay.
33	<b>gracilis</b> Barnes. <i>U. planus</i> Barnes. <i>fragilis</i> Swains.	36	[I omit the Ohio Shells.—W.G.B.]
33	<b>luteolus</b> Lam. <i>U. siliquoideus</i> Barnes. <i>inflatus</i> Barnes.	36	<b>Margaritana rugosa</b> Lea. <i>Alasmodon rugosa</i> De Kay.
34	<b>pressus</b> Lea. <i>U. compressus</i> De Kay.	36	<b>marginata</b> Lea. <i>Alasm. marginata</i> De Kay. <i>truncata</i> Say.
34	<b>complanatus</b> Lea. <i>U. purpureus</i> Say. <i>Mya complanata</i> Sol. <i>rigida</i> Wood.	37	<b>undulata</b> Lea. <i>Alasm. undulata</i> De Kay.
34	<b>purpurascens</b> Lam. <i>U. rhombula</i> Lam. <i>Georgina</i> Lam. <i>carinifera</i> Lam.	37	<b>Anodonta gigantea</b> Lea. <i>A. grandis</i> Raf.?
		37	<b>pavonia</b> Lea.
		37	<b>Footiana</b> Lea.
		37	<b>Lewisii</b> Lea. <i>A. fluviatilis</i> De Kay. <i>cataracta</i> Say.
		37	<b>fragilis</b> Lam.



Page.		Page.
	<b>Anodonta Ferussaciana</b> <i>Lea.</i>	<b>Anodonta undulata</b> <i>Say.</i>
38	<i>subcylindrica</i> <i>Lea.</i>	<i>Unio Pennsylvanica</i> <i>Lam.</i>
	<i>edentula</i> <i>Lea.</i>	<i>cylindrica</i> <i>Lea?</i>
	<i>Unio areolatus</i> <i>Sw.</i>	<b>Benedictensis</b> <i>Lea.</i>
		<i>imbecillis</i> <i>Say.</i>

**Parker.**—Description of a new species of *Helix*: by SAMUEL J. PARKER. In Proc. American Ass. Adv. Science. Vol. IV, p. 348. 1841. And

**Agassiz.**—Criticism on the same: by LOUIS AGASSIZ.

[I introduce these references on account of their being included in Mr. Tryon's Catalogue of American Conchological Writings. No specific name or description was given of the supposed new species.—W. G. B.]

**Billings.**—Notes on the Natural History of the Mountain of Montreal. (From the Canadian Naturalist and Geologist, vol. ii, No. 2. May, 1857, p. 92.) Terrestrial Mollusca, p. 97: by E. B. [E. BILLINGS.]

Page	Fig.	
98	2, 3	<b>Helix albolabris</b> <i>Say.</i>
99	4, 5	<i>alternata</i> <i>Say.</i>
100	6	<i>monodon</i> <i>Rackett.</i>

**Anonymous.**—Description of some of the Fresh-water Gasteropoda inhabiting the Lakes and Rivers of Canada. (From the same as the last article, vol. ii, No. 3. July, 1857.)

Page. Fig.		Page.
196 1, 2	<b>Limnæastagnalis</b> <i>Linn.</i>	206 (fig.) <b>Planorbis deflectus</b> <i>Say.</i>
197 (fig.)	<i>columella</i> <i>Say.</i>	207 (fig.) <b>exacutus</b> <i>Say.</i>
197 (fig.)	var. <i>chalybea.</i>	208 (fig.) <b>parvus</b> <i>Say.</i>
198 (fig.)	<b>macrostoma</b> <i>Say.</i>	209 (fig.) <b>dilatatus.</b>
198 (fig.)	<b>desidiosa</b> <i>Say.</i>	209 (fig.) <b>Physa heterostropha</b>
199 (fig.)	<b>elodes</b> <i>Say.</i>	211 (fig.) <b>ancillaria</b> <i>Say.</i> [ <i>Say.</i>
201 (fig.)	<b>catascopium</b> <i>Say.</i>	211 (fig.) <b>elongata</b> <i>Say.</i>
202 (fig.)	<b>Planorbis trivolvus</b> <i>S.</i>	212 (fig.) <b>Ancylus rivularis</b> <i>Say.</i>
203 (fig.)	<i>lentus</i> <i>Say.</i>	212 (fig.) <b>fuscus</b> <i>Adams.</i>
204 (fig.)	<b>bicarinatus</b> <i>Rackett.</i>	213 (fig.) <b>Valvata tricarinata</b> <i>S.</i>
204 (fig.)	<b>campanulatus</b> <i>Say.</i>	214 (fig.) <b>pupoidea</b> <i>Gould.</i>
205 (fig.)	<b>armigerus</b> <i>Say.</i>	214 (fig.) <b>Amnicola porata</b> <i>Say.</i>
206 (fig.)	<b>hirsutus</b> <i>Gould.</i>	

**Dawson.**—A Week in Gaspé, p. 321. Marine Invertebrates collected in Gaspé Bay, lat. 48°, 45' N. Aug. 1858, p. 320: by J. W. D. [Dr. DAWSON.] (From same as last, vol. iii, No. 5. Oct. 1858.)

Page.		Page.	
329	<b>Loligo illecebrosa.</b>	330	<b>Saxicava rugosa.</b>
329	<b>Fusus pyramidatus (rufus).</b>	330	<b>Machæra costata.</b>
329	<b>Buccinum undatum.</b>	330	<b>Solen ensis.</b>
329	<i>trivittatum.</i>	330	<b>Tellina calcarea.</b>
329	<b>Purpura lapillus.</b>		<i>T. proxima.</i>
330	<b>Natica heros.</b>	330	<b>Grœnlandica.</b>
330	<b>Grœnlandica.</b>	330	<i>tenera.</i>
330	<i>clausa.</i>	330	<b>Aphrodite Grœnlandica.</b>
330	<b>Turritella erosa.</b>	330	<b>Cardium Islandicum.</b>
330	<b>Lacuna vineta.</b>	330	<i>pinnulatum.</i>
330	<b>Littorina palliata.</b>	330	<b>Astarte sulcata.</b>
330	<i>rudis.</i>	330	<b>Cardita borealis.</b>
330	<b>Margarita undulata.</b>	330	<b>Mytilus edulis.</b>
330	<i>helicina.</i>	330	<b>Modiola modiolus.</b>
	<i>M. arctica.</i>	330	<i>decussata.</i>
330	<b>Lottia testudinalis.</b>		<i>M. glandula.</i>
330	<b>Acmaea cæca.</b>	330	<b>Leda limatula.</b>
330	<b>Chiton marmoreus.</b>	330	<b>Pecten Islandicus.</b>
330	<b>Mya arenaria.</b>	330	<b>Magellanicus.</b>
330	<i>truncata.</i>	330	<b>Anomia ephippium.</b>
330	<b>Glycimeris siliqua.</b>	330	<i>var. aculeata.</i>

**Dawson.**—On the Newer Pliocene and Post-Pliocene Deposits of the Vicinity of Montreal, with notices of Fossils recently discovered in them: by J. W. DAWSON, L. L. D., &c. (From the same as last, Canadian Naturalist, vol. ii, No. 6. Dec. 1857.) And Additional Notes on the Post-Pliocene Deposits of the St. Lawrence Valley, vol. iv, No. 1. Feb. 1859.

[There are several lists of fossil Shells specified in these papers as also found recent.—W. G. B.]

**Carpenter.**—Note on the Mollusks and Radiates from Labrador: by P. P. CARPENTER. (From the same as last, vol. iv, part 2. April, 1859.)

Page.		Page.	
158	<b>Buccinum undatum.</b>	158	<b>Lottia (Tectura) testudi-</b>
158	<b>Trophon (Fusus) sculari-</b> <b>forme.</b>	158	<b>Saxicava rugosa. [nalis.</b>
158	<b>Rostellaria occidentalis.</b>	158	<b>Mya arenaria.</b>
158	<b>Littorina rudis.</b>	158	<b>Solen ensis.</b>
158	<b>littorea.</b>	158	<b>Tellina Grœnlandica.</b>
	<i>L. palliata.</i>	158	<b>Mytilus edulis.</b>
158	<b>Margarita helecina.</b>	158	<b>Pecten Magellanicus.</b>
	<i>M. arctica.</i>		

**Bell.**—Notes on the Natural History of the Gulf of St. Lawrence, and the distribution of the Mollusca of Eastern Canada: by ROBERT BELL, Jr. (From the same as last, vol. iv, part 3, p. 197. June, 1859.)

[The localities, but no descriptions are given.—W. G. B.]

Page.		Page.	
210	<b>Fusus scalariformis.</b>	211	<b>Rostellaria occidentalis.</b>
210	<b>Islandicus.</b>	211	<b>Rissoa minuta.</b>
210	<b>tornatus.</b>	211	<b>Lacuna vineta.</b>
210	<b>decemcostatus.</b>	211	<b>Littorina palliata.</b>
210	<b>rufus.</b>	211	<b>rudis.</b>
210	<b>Bamffius.</b>	211	<b>tenebrosa.</b>
210	<b>Pleurotoma bicarinata.</b>	211	<b>Margarita cinerea.</b>
210	<b>Buccinum undatum.</b>	211	<b>undulata.</b>
211	<b>Donovani.</b>	211	<b>helicina.</b>
211	<b>Nassa trivittata.</b>	212	<b>Skenea costulata.</b>
211	<b>obsoleta.</b>	212	<b>Diadora noachina.</b>
211	<b>Purpura lapillus.</b>	212	<b>Crepidula fornicata.</b>
211	<b>Trichotropis borealis.</b>	212	<b>plana.</b>
211	<b>Velutina haliotoïdes.</b>	212	<b>Acmaea (Lottia) testudina-</b>
	<i>V. lavigata.</i>	212	<b>cæca. [lis.</b>
211	<b>Lamellaria perspicua.</b>	212	<b>Chiton marmoreus.</b>
211	<b>Natica heros.</b>	212	<b>Planorbis trivolvus.</b>
211	<b>clausa.</b>	212	<b>campanulatus.</b>
211	<b>triseriata.</b>	212	<b>bicarinatus.</b>
211	<b>flava?</b>	212	<b>lentus.</b>
211	<b>helicoides.</b>	212	<b>parvus.</b>

- | Page. |                             | Page. |                                 |
|-------|-----------------------------|-------|---------------------------------|
| 212   | <b>Physa heterostropha.</b> | 216   | <b>Osteodesma hyalina.</b>      |
| 213   | <i>aurea.</i>               | 216   | <b>Machæra costata.</b>         |
| 213   | <i>ancillaria.</i>          | 216   | <b>Solen ensis.</b>             |
| 213   | <i>elongata.</i>            | 216   | <b>Tellina proxima.</b>         |
| 213   | <b>Limnæa megasoma.</b>     |       | <i>T. calcarea.</i>             |
| 213   | <i>jugularis.</i>           | 216   | <b>Grœnlandica.</b>             |
|       | <i>L. stagnalis.</i>        | 216   | <b>Mactra ovalis.</b>           |
| 213   | <i>caperata.</i>            |       | <i>M. ponderosa.</i>            |
| 213   | <i>umbrosa.</i>             | 216   | <b>Mesodesma arctatum.</b>      |
| 213   | <i>elodes.</i>              | 217   | <b>Venus mercenaria.</b>        |
| 213   | <i>catascopium.</i>         | 217   | <i>gemma.</i>                   |
| 213   | <i>opacina.</i>             | 217   | <b>Aphrodite Grœnlandica.</b>   |
| 213   | <i>acuta.</i>               | 217   | <b>Cardium Islandicum.</b>      |
| 213   | <b>Ancylus rivularis.</b>   | 217   | <b>Cardita borealis.</b>        |
| 213   | <b>Paludina decisa.</b>     | 217   | <b>Astarte sulcata.</b>         |
| 213   | <b>Melania acuta.</b>       | 217   | <b>Lucina flexuosa.</b>         |
| 213   | <i>Niagarensis.</i>         | 217   | <b>Lima subauriculata.</b>      |
| 213   | <b>Amnicola porata.</b>     | 217   | <b>Mytilus edulis.</b>          |
| 213   | <b>Valvata tricarinata.</b> | 218   | <b>Modiola discors.</b>         |
| 213   | <i>sincera.</i>             |       | <i>M. discrepans.</i>           |
| 214   | <b>Helix alternata.</b>     | 218   | <i>plicatula.</i>               |
| 214   | <i>albolabris.</i>          | 218   | <i>glandula.</i>                |
| 214   | <i>monodon.</i>             | 218   | <i>pectinula.</i>               |
| 214   | <i>exoleta.</i>             | 218   | <i>nexa.</i>                    |
| 214   | <i>tridentata.</i>          | 218   | <b>Leda limatula.</b>           |
| 214   | <i>concava.</i>             | 218   | <b>Nucula tenuis.</b>           |
| 214   | <i>hortensis.</i>           | 218   | <b>Pecten Magellanicus.</b>     |
| 215   | <i>arborea.</i>             | 218   | <i>Islandicus.</i>              |
| 215   | <i>striatella.</i>          | 219   | <b>Anomia ephippium.</b>        |
| 215   | <i>lineata.</i>             | 219   | <b>Terebratula psittacea.</b>   |
| 215   | <i>labyrinthica.</i>        |       | <i>Hippothyris.</i>             |
| 215   | <i>pulchella.</i>           | 219   | <b>Ascidium ———.</b>            |
| 215   | <i>electrina.</i>           | 219   | <b>Unio radiatus.</b>           |
| 215   | <i>chersina.</i>            | 219   | <i>complanatus.</i>             |
| 215   | <b>Bulimus lubricus.</b>    | 219   | <i>gibbosus.</i>                |
| 215   | <i>harpa.</i>               | 219   | <i>ventricosus.</i>             |
| 215   | <b>Vitrina pellucida.</b>   | 219   | <i>ellipsis.</i>                |
| 215   | <b>Succinea ovalis.</b>     | 219   | <i>rectus.</i>                  |
| 215   | <i>avara.</i>               | 219   | <i>alatus.</i>                  |
| 215   | <i>obliqua.</i>             | 220   | <b>Margaritana rugosa.</b>      |
| 216   | <b>Pholas crispata.</b>     | 220   | <i>marginata.</i>               |
| 216   | <b>Saxicava rugosa.</b>     | 220   | <i>arcuata.</i>                 |
| 216   | <b>Mya arenaria.</b>        |       | <i>M. margaritifera.</i>        |
| 216   | <i>truncata.</i>            | 220   | <i>undulata.</i>                |
| 216   | <b>Glycimeris siliqua.</b>  | 220   | <b>Anodonta subcylindracea.</b> |

Page.		Page.	
220	<b>Anodonta pavonia.</b>	220	<b>Cyclas similis.</b>
220	<b>fluviatilis?</b>	220	<b>orbiculata.</b>
		220	<b>dubia.</b>

**Lea.**—Observations on the genus *Unio*, &c.: by ISAAC LEA, LL. D., President of the Academy of Natural Sciences of Philadelphia, &c.

[Under this title are collected in seven volumes all the descriptions of Mollusca by this author. The original papers were published in the Transactions of the American Philosophical Society, and the Journal of the Academy of Natural Sciences of Philadelphia (new series.) Short diagnoses were also published in the Proceedings of the same Societies. In the following list the numerous foreign species are omitted. As great confusion has arisen regarding the synonymy of the American Naiades, owing principally to questions of priority of publication, I have given the dates of the various papers of Mr. Lea as carefully as possible. In the earlier volumes of the Philosophical Society many of Mr. Lea's papers were published anterior to the completion of the whole volume, but, as no separate dates are given, I am unable to do justice to Mr. Lea. I know of no other rule than to take the date of the title page of the complete volume, unless some other date is given to the separate parts, or with the signatures of the printers.

Any one desiring further information regarding the actual printing of the various papers is referred to Mr. Lea's "Rectification," in the Proceedings of the Philadelphia Academy.

Reference is given to the Transactions of the Philosophical Society and Journal of the Academy, as well as to the volumes of the "Observations," the numbering of the plates being the same in each.—W. G. B.]

TRANS.		OBS.		Name.	Locality.
Pa.	Pl. Fig.	V.	Pa.		
259		i	1	<b>Lea.</b> —Descriptions of six new species of the genus <i>Unio</i> , embracing the anatomy of the oviduct of one of them, together with some Anatomical Observations on the Genus. (From Trans. Am. Phil. Soc. (n. s.), vol. iii, p. 259. Date of title, 1830.)	
265	iii 1	i	7	<b>Unio calceolus</b> <i>Lea.</i>	Ohio.
266	iii 2	i	8	<b>lanceolatus</b> <i>Lea.</i>	Tar river, N. C.
267	iv 3	i	9	<b>donaciformis</b> <i>Lea.</i>	Ohio.
268	iv 4	i	10	<b>ellipsis</b> <i>Lea.</i>	Ohio.
269	v 5	i	11	<b>irroratus</b> <i>Lea.</i>	Ohio.
272	vi 8	i	14	<b>lachrymosus</b> <i>Lea.</i>	Ohio.

TRANS.		OBS.		Name.	Locality.
Vol. iii, 1830.					
Pa.	Pl. Fig.	V.	Pa.		
403		i	17	<b>Lea.</b> —Description of a new genus of the family of Naiades, including eight species, four of which are new; also the description of eleven new species of the Genus <i>Unio</i> from the rivers of the United States; with observations on some of the characters of the Naiades, &c. &c.	
On p. 415 is the following Synonymy of the species.					
415		i	29	<b>Unio radiatus.</b> <sup>1</sup>	
				<i>U. Virginiana</i> Lam.	
416		i	30	<b>complanatus</b> Solander.	
				<i>U. purpureus</i> Say.	
				<i>U. rarisulcata</i> Lam.	
				<i>U. coarctata</i> Lam.	
				<i>U. purpurascens</i> Lam.	
				<i>U. rhombula</i> Lam.	
				<i>U. carinifera</i> Lam.	
				<i>U. georgina</i> Lam.	
				<i>U. sulcidens</i> Lam.	
				<i>U. Caroliniana</i> Bosc.	
				<i>U. fluviatilis</i> Green.	
417		i	31	<b>ovatus</b> Say.	
417		i	31	<b>cariosus</b> Say.	
				<i>U. luteola</i> Lam.	
				<i>U. crassus</i> Say.	
				<i>U. carinatus</i> Barnes.	
				<i>U. ellipticus</i> Barnes.	
417		i	31	<b>nasutus</b> Say.	
				<i>U. rostrata</i> Val.	
417		i	31	<b>cylindricus</b> Say.	
				<i>U. naviformis</i> Lam.	
417		i	31	<b>subtentus</b> Say.	
417		i	31	<b>plicatus</b> Lesueur.	
				<i>U. crassidens</i> Lam. ?	
				<i>U. Peruvianus</i> Lam.	
				<i>U. rariplicata</i> Lam.	
				<i>U. undulatus</i> Barnes.	
				<i>U. crassus</i> Barnes.	
				<i>U. Dombeyana</i> Val.	
418		i	32	<b>rectus</b> Lam.	
				<i>U. praelongus</i> Barnes.	

<sup>1</sup> In these and the following pages will be found a great deal of information regarding Synonymy, which I have not been able to include in my extract.—W. G. B.

TRANS. Vol. iii, 1830.		Obs.		Name.
Pa.	Pl. Fig.	V.	Pa.	
				<i>U. nasuta</i> Lam.
				<i>U. purpurata</i> Lam.
418		i	32	<b>Unio torsus</b> Raf.
418		i	32	<b>mytiloides</b> Raf.
				<i>U. undatus</i> Barnes.
418		i	32	<b>metanever</b> Raf.
				<i>U. nodosus</i> Barnes.
				<i>U. rugosus</i> Barnes.
418		i	32	<b>scalenius</b> Raf.
418		i	32	<b>cornutus</b> Barnes.
419		i	33	<b>verrucosus</b> Barnes.
				<i>U. tuberculosa</i> Val.
				<i>U. verrucosa</i> Val.
419		i	33	<b>tuberculatus</b> Barnes.
419		i	33	<b>gibbosus</b> Barnes.
				<i>U. mucronatus</i> Barnes.
419		i	33	<b>cuneatus</b> Barnes.
419		i	33	<b>ventricosus</b> Barnes.
419		i	33	<b>siliquoides</b> Barnes.
				<i>U. inflatus</i> Barnes.
419		i	33	<b>triangularis</b> Barnes.
420		i	34	<b>parvus</b> Barnes.
420		i	34	<b>æsoopus</b> Green.
420		i	34	<b>calceolus</b> Lea.
420		i	34	<b>lanceolatus</b> Lea.
420		i	34	<b>donaciformis</b> Lea.
420		i	34	<b>ellipsis</b> Lea.
420		i	34	<b>irroratus</b> Lea.
420		i	34	<b>lachrymosus</b> Lea.
420		i	34	<b>ater</b> Lea.
420		i	34	<b>rubiginosus</b> Lea.
420		i	34	<b>heterodon</b> Lea.
420		i	34	<b>sulcatus</b> Lea.
420		i	34	<b>planulatus</b> Lea.
420		i	34	<b>circulus</b> Lea.
420		i	34	<b>multiradiatus</b> Lea.
420		i	34	<b>occidens</b> Lea.
420		i	34	<b>securis</b> Lea.
421		i	35	<b>iris</b> Lea.
421		i	35	<b>zig-zag</b> Lea.
421		i	35	<b>patulus</b> Lea.

From p. 421 to 426 is a review of Lamarck's species of Naiades.

TRANS.			OBS.		Name.	Locality.
Vol. iii, 1830.			V.	Pa.		
Pa.	Pl.	Fig.				
426	vii	9	i	40	<b>Unio ater</b> <i>Lea.</i>	Miss. r. bel. Natchez.
427	viii	10	i	41	<b>rubiginosus</b> <i>Lea.</i>	Ohio.
428	viii	11	i	42	<b>heterodon</b> <i>Lea.</i>	Sch. & Derby cr. Pa.
430	viii	12	i	44	<b>sulcatus</b> <i>Lea.</i>	Ohio.
431	ix	13	i	45	<b>planulatus</b> <i>Lea.</i>	Ohio.
433	ix	14	i	47	<b>circulus</b> <i>Lea.</i> <i>U. rotundata</i> Lam.?	Cincinnati, Pittsb'g, [Natchez.]
434	ix	15	i	48	<b>multiradiatus</b> <i>Lea.</i>	Ohio.
435	x	16	i	49	<b>occidens</b> <i>Lea.</i>	Ohio.
437	xi	17	i	51	<b>securis</b> <i>Lea.</i> <i>U. depressa</i> Raf. preoc.	Ohio.
439	xi	18	i	53	<b>iris</b> <i>Lea.</i>	Ohio.
440	xii	19	i	54	<b>zig zag</b> <i>Lea.</i>	Ohio.
441	xii	20	i	55	<b>patulus</b> <i>Lea.</i>	Ohio.
442			i	56	<b>Symphynota</b> <i>Lea.</i> (n. g.)	
444	xiii	23	i	58	<b>lævissima</b> <i>Lea.</i>	Ohio.
448			i	62	<b>alata</b> <i>Say.</i> <i>Unio alatus</i> <i>Say.</i>	Western waters.
448			i	62	<b>complanata</b> <i>Barnes.</i> <i>Alasm. complanata</i> <i>Barn.</i>	Fox riv. Wisc., O.
450	xii	22	i	64	<b>compressa</b> <i>Lea.</i>	O., Albany.
452			i	66	<b>gracilis.</b> <i>U. gracilis</i> <i>Barnes.</i> <i>U. fragilis</i> <i>Swains.</i> <i>U. planus</i> <i>Barnes.</i>	Ohio, Wisconsin.
453	xi	21	i	67	<b>tenuissima</b> <i>Lea.</i>	Ohio.
455			i	69	<b>ochracea.</b> <i>U. ochraceus</i> <i>Say.</i>	Sch. and Del. rivers.
Vol. iv, 1834.					Name.	Locality.
63			i	73	<b>Lea.</b> —Observations on the Naiades, and descriptions of new species of that and other families. Date of title of vol. iv, 1834.	
69	iii	1	i	79	<b>Unio trapezoides</b> <i>Lea.</i>	Lake St. Joseph, La.
70	iv	2	i	80	<b>multiplicatus</b> <i>Lea.</i>	Tenn. and Ohio rivs.
71	v	3	i	81	<b>asperrimus</b> <i>Lea.</i>	Ohio.
72	vi	4	i	82	<b>Congaræus</b> <i>Lea.</i>	Congaree river, S. C.
73	vi	5	i	83	<b>oriens</b> <i>Lea.</i>	Ohio river.
75	vi	6	i	85	<b>brevidens</b> <i>Lea.</i>	Ohio.
76	vii	7	i	86	<b>pustulosus</b> <i>Lea.</i>	Ohio and Alabama r.
77	vii	8	i	87	<b>stapes</b> <i>Lea.</i>	Alabama river.
79	vii	9	i	89	<b>pustulatus</b> <i>Lea.</i>	Ohio, Tennessee.
80	viii	10	i	90	<b>lens</b> <i>Lea.</i>	Ohio, Tennessee.
81	viii	11	i	91	<b>anodontoides</b> <i>Lea.</i>	Ala., O., Miss. rivs.



TRANS. Vol. iv, 1834.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
82	viii	12	i	92	<b>Unio glans</b> <i>Lea.</i>	Ohio river.
83	ix	13	i	93	<b>elegans</b> <i>Lea.</i>	Ohio river.
84	ix	14	i	94	<b>ebenus</b> <i>Lea.</i>	Ohio river.
85	ix	15	i	95	<b>asper</b> <i>Lea.</i>	Alabama river.
86	x	16	i	96	<b>fabalis</b> <i>Lea.</i>	Ohio river.
87	x	17	i	97	<b>soleniformis</b> <i>Lea.</i>	Ohio river.
89	x	18	i	99	<b>acutissimus</b> <i>Lea.</i>	Alabama river.
90	xi	20	i	100	<b>varicosus</b> <i>Lea.</i>	Ohio river.
91	xi	21	i	101	<b>castaneus</b> <i>Lea.</i>	Alabama river.
92	xii	23	i	102	<b>decisus</b> <i>Lea.</i>	Alabama river.
94	xii	24	i	104	<b>cuprinus</b> <i>Lea.</i>	Mexico.
96	xiii	26	i	106	<b>obesus</b> <i>Lea.</i>	York river, Va.
99	xiv	28	i	109	<b>Symphynota inflata</b> <i>Lea.</i>	Alabama river.
100	xv	30	i	110	<b>Melania subularis</b> <i>Lea.</i>	Niagara river.
101	xv	31	i	111	<b>tuberculata</b> <i>Lea.</i>	Tennessee river.
101	xv	32	i	111	<b>acuta</b> <i>Lea.</i>	Tennessee river.
102	xv	33	i	112	<b>Helix Carolinensis</b> <i>Lea.</i>	Cheraw, S. C.
103	xv	34	i	113	<b>Carocolla helicoides</b> <i>Lea.</i>	Nashville, Tenn.
					<i>H. palliata</i> (var. a.) <i>Say?</i>	
104	xv	35	i	114	<b>spinosa</b> <i>Lea.</i>	Claiborne, Ala.
104	xv	36	i	114	<b>Valvata arenifera</b> <i>Lea.</i>	Nashville, Tenn.
109	xvi	39	i	119	<b>Unio pyramidatus</b> <i>Lea.</i>	Ohio.
					<i>U. undatus</i> Barn. (var. a.)?	
110	xvi	40	i	120	<b>trigonus</b> <i>Lea.</i>	Ohio river.
111	xvi	41	i	121	<b>formosus</b> <i>Lea.</i>	Ohio river.
112	xvii	42	i	122	<b>perplexus</b> <i>Lea.</i>	Ohio river.
114	xvii	43	i	124	<b>angustatus</b> <i>Lea.</i>	Congaree and Cooper
116	xvii	44	i	126	<b>arcæformis</b> <i>Lea.</i>	Tenn. r. [rivs., S. C.]
117	xviii	45	i	127	<b>subrotundus</b> <i>Lea.</i>	Ohio.
118	xviii	46	i	128	<b>subovatus</b> <i>Lea.</i>	Ohio river.
119	xviii	47	i	129	<b>pileus</b> <i>Lea.</i>	Ohio river.
120	xv	29	i	130	<b>Melania elongata</b> <i>Lea.</i>	Western Tenn.
122			i	132	<b>Lea.</b> —Description of a new genus of the family Melaniana of Lamarck.	
122			i	132	<b>Io</b> <i>Lea</i> (n. g.)	
122	xv	37	i	132	<b>fusiformis</b> <i>Lea.</i>	Holston river.
					<i>Fusus fluviatilis</i> <i>Say.</i>	
Vol. v, 1837.						
23			i		<b>Lea.</b> —Observations, &c. continued. Date of title of vol. v., 1837.	
27			i	139	<i>Valvata arenifera</i> = <b>Phrygania.</b>	
29	ii	2	i	141	<b>Unio capillaris</b> <i>Lea.</i>	Ohio.

TRANS. Vol. v, 1837.			OBS.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
30	ii	3	i	142	<b>Unio subglobosus</b> <i>Lea.</i>	Bayou Teche, La.
31	ii	4	i	143	<b>capsæformis</b> <i>Lea.</i>	Cumberland river.
32	iii	5	i	144	<b>Ravenelianus</b> <i>Lea.</i>	French Br. r., N. C.
35	iii	7	i	147	<b>Haysianus</b> <i>Lea.</i>	Cumberland river.
36	iii	8	i	148	<b>Hildrethianus</b> <i>Lea.</i>	Marietta, O.
37	iii	9	i	149	<b>Schoolcraftensis</b> <i>Lea.</i>	Fox riv., Green Bay.
38	iv	10	i	150	<b>geometricus</b> <i>Lea.</i>	Bayou Teche, La.
39	iv	11	i	151	<b>Taitianus</b> <i>Lea.</i>	Alabama river.
41	iv	12	i	153	<b>Symphynota globosa</b> <i>Lea.</i>	Ohio river.
45	vi	15	i	157	<b>Anodonta Ferussaciana</b>	Ohio river.
46	vi	16	i	158	<b>incerta</b> <i>Lea.</i> [ <i>Lea.</i>	Ohio river.
47	vi	17	i	159	<b>Stewartiana</b> <i>Lea.</i>	River Teche, La.
48	vii	18	i	160	<b>plana</b> <i>Lea.</i>	Bear Grass cr., Louis-
58	xix	71	i	170	<b>Paludina bimoniifera</b> <i>Lea.</i>	Alabama r. [ville.
61	viii	21	i	173	<b>Unio Cooperianus</b> <i>Lea.</i>	Alabama river.
63	ix	23	i	175	<b>Conradicus</b> <i>Lea.</i>	
68	x	28	i	180	<b>Sowerbyanus</b> <i>Lea.</i>	Tennessee. [Tenn.
70	x	29	i	182	<b>dromas</b> <i>Lea.</i>	Harp. and Cum. riv.,
71	x	30	i	183	<b>Troostensis</b> <i>Lea.</i>	Cumberland river.
72	xi	31	i	184	<b>perdix</b> <i>Lea.</i>	Harpeth river, Tenn.
73	xi	32	i	185	<b>pictus</b> <i>Lea.</i> [ <i>Lea.</i>	Harpeth river, Tenn.
84	xix	78	i	196	<b>Achatina Vanuxemensis</b>	Mexico.
85			i	197	<b>striata.</b> <i>Cochlicopea rosea</i> Fer. <i>Polyphemus glans</i> Say.	
86			i	198	<b>Lea.</b> —Observations on Lamark's Collection of Naiades. [Both foreign and American species.—W. G. B.]	
86			i	198	<b>Unio crassissima</b> <i>Klein.</i> <i>U. sinuata.</i>	
87			i	199	<i>U. elongata</i> = <b>Mya margaritifera.</b>	
87			i	199	<b>crassidens.</b> <i>U. cuneatus.</i>	
87			i	199	<i>U. crassidens</i> (var. a.) = <b>trapezoides</b> <i>Lea.</i>	
87			i	199	<i>U. Peruviana</i> = <b>plicatus</b> <i>Les.</i>	
87			i	199	<b>purpurata</b> <i>Lam.</i> <i>U. ater</i> <i>Lea.</i>	
88			i	200	<i>U. ligamentina</i> = <b>crassus</b> <i>Say.</i>	
88			i	200	<i>U. obliqua</i> = <b>undatus</b> <i>Barnes.</i>	
88			i	200	<i>U. retusus</i> = <b>torsus</b> <i>Raf.</i>	
88			i	200	<i>U. rarizulcata</i> = <b>complanatus.</b>	
88			i	200	<i>U. coarctata</i> = <b>complanatus.</b>	

TRANS. Vol. v, 1837.		Obs.	Name.
Pa.	Pl. Fig.	V. Pa.	
88		i 200	<i>U. purpurascens</i> = <b>complanatus.</b>
88		i 200	<b>Unio radiata.</b>
88		i 200	<i>U. brevisalis</i> = <b>littoralis.</b>
88		i 200	<i>U. rhombula</i> = <b>complanatus.</b>
89		i 201	<i>U. carinifera</i> = <b>complanatus.</b>
89		i 201	<i>U. Georgina</i> = <b>complanatus.</b>
89		i 201	<i>U. clava</i> = <b>scalenia Raf. (modioliformis Say.)</b>
89		i 201	<b>recta</b> = <i>U. praelongus</i> Barnes.
89		i 201	<i>U. naviformis</i> = <b>cylindricus.</b>
89		i 201	<i>U. nasuta</i> = <b>gibbosus.</b>
89		i 201	<i>U. ovata</i> = <b>ovatus Say.</b>
89		i 201	<i>U. rotundatus</i> = <b>suborbiculata.</b>
89		i 201	<i>U. subglobosus</i> Lea = <b>globulus Say.</b>
89		i 201	<b>littoralis</b> = <i>U. semirugata</i> Lam.
90		i 202	<i>U. incurvus</i> Lea?
90		i 202	<i>U. semirugata</i> = <b>littoralis.</b>
90		i 202	<i>U. nana</i> = <b>littoralis.</b>
90		i 202	<i>U. delodontina</i> = <b>lacteolus?</b>
90		i 202	<i>U. sulcidens</i> = <b>complanatus.</b>
90		i 202	<i>U. rostrata</i> = <b>pictorum.</b>
90		i 202	<b>Batava.</b>
91		i 203	<i>U. nodulosa</i> = <b>ovata.</b>
91		i 203	<i>U. varicosa</i> = <b>Alasmodonta marginata.</b>
91		i 203	<b>granosa.</b>
91		i 203	<b>depressa.</b>
91		i 203	<i>U. Virginiana</i> = <b>radiatus.</b>
91		i 203	<b>luteola.</b> <i>U. siliquoideus</i> Barnes.
91		i 203	<b>angusta.</b>
91		i 203	<i>U. manca</i> = <b>pictorum.</b>
92		i 204	<i>U. cariosa</i> = <b>Alasmodonta marginata.</b>
92		i 204	<b>spuria.</b>
92		i 204	<b>australis.</b>
92		i 204	<i>U. anodontina</i> = <b>marginalis.</b>
92		i 204	<i>U. suborbiculata</i> = <b>rotundata.</b>
92		i 204	<b>Hyria avicularis</b> = <b>Mya syrmatophora.</b>
92		i 204	<b>corrugata.</b>
92		i 204	<b>Anodonta cygnea.</b> <i>Mytilus cygneus.</i>
93		i 204	<b>An. anatina.</b>
93		i 205	<i>An. sulcata</i> = <b>An. cygnea.</b>
93		i 205	<b>An. fragilis.</b>

TRANS. Vol. v., 1837.		OBS.		Name.	Locality.
Pa.	Pl. Fig.	V.	Pa.		
93		i	205	<b>An. rubens.</b>	
93		i	205	<b>An. crispata.</b>	
93		i	205	<b>An. uniopsis.</b>	
93		i	205	<i>An. Pennsylvanica</i> = <b>undulata</b> Say ( <i>rugosus</i> Sw.)	
93		i	205	<i>An. intermedia</i> = <b>anatina.</b>	
93		i	205	<i>An. intermedia</i> Pfr. = <b>cygnea.</b>	
93		i	205	<i>An. trapezialis</i> = <b>giganteus.</b>	
93		i	206	<b>An. exotica.</b>	
94		i	206	<b>An. glauca.</b>	
94		i	206	<b>An. sinuosa.</b>	
94		i	206	<b>An. Patagonica.</b>	
94		i	206	<b>Iridina nilotica.</b>	
				<i>I. Clappertoni</i> Denman.	
95	xiii 38	i	207	<b>Unio Shepardianus</b> Lea.	Darien, Ga.
96	xiii 39	i	208	<b>fulvus</b> Lea.	S. C.
97	xiii 40	i	209	<b>modioliformis</b> Lea.	Santee canal, S. C.
98	xiv 41	i	210	<b>Kirtlandianus</b> Lea.	Mahoning, O.
100	xiv 43	i	212	<b>Nashvillianus</b> Lea.	Cumberland r., Ohio riv., Louisville.
101	xv 44	i	213	<b>Blandingianus</b> Lea.	St. John's riv., Fla.?
102	xv 45	i	214	<b>camelus</b> Lea.	Ohio river.
103	xv 46	i	215	<b>Griffithianus</b> Lea.	S. C.
103	xvi 47	i	215	<b>confertus</b> Lea. [ <i>sis</i> Lea.	Santee canal, S. C.
104	xvi 48	i	216	<b>Symphynota Benedicten-</b>	Lake Champlain.
106	xvii 50	i	218	<b>Margaritana Raveneliana</b>	French Broad and Lea. Swananoer r., N. C.
112	xix 79	i	224	<b>Io spinosa</b> Lea.	Holston river, Va.
114	xix 81	i	226	<b>Lymnæa acuta</b> Lea.	Philadelphia.
114	xix 82	i	226	<b>exilis</b> Lea.	Ohio.
115	xix 83	i	227	<b>Physa elliptica</b> Lea. [ <i>Lea.</i>	
115	xix 84	i	227	<b>Ampullaria Hopetonensis</b>	Hopeton, Ga.
116	xix 85	i	228	<b>Paludina Georgiana</b> Lea.	Hopeton, Ga.
117	xix 86	i	229	<b>Succinea retusa</b> Lea.	Cincinnati, O.

Vol. vi, 1839.

**Lea.**—Descriptions of new Fresh Water and Land Shells, from vol. vi, part 1, 1839.

1	i	1	ii	1	<b>Anodonta gigantea</b> Lea.	Port Gibson.
2	ii	2	ii	2	<b>ovata</b> Lea.	Marietta, O.
4	ii	4	ii	4	<b>Unio venustus</b> Lea.	O., Mo.
5	iii	5	ii	5	<b>Vaughanianus</b> Lea.	Camden, S. C.
6	iii	6	ii	6	<b>pulcher</b> Lea.	Nashville, Tenn.
7	iii	7	ii	7	<b>obscurus</b> Lea.	Nashville, Tenn.
8	iv	8	ii	8	<b>Fisherianus</b> Lea.	Chester river, Md.

TRANS. Vol. vi, 1839.			OBS.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
9	iv	9	ii	9	<b>Unio jejunus</b> <i>Lea.</i>	Cam'n, Roanoke, S. C.
10	iv	10	ii	10	<b>arctior</b> <i>Lea.</i>	Cincinnati.
11	v	11	ii	11	<b>turgidus</b> <i>Lea.</i>	New Orleans.
12	v	12	ii	12	<b>coccineus</b> <i>Lea.</i>	Ohio.
13	v	13	ii	13	<b>solidus</b> <i>Lea.</i>	Ohio.
14	vi	14	ii	14	<b>Hydianus</b> <i>Lea.</i>	Louisiana.
15	vi	15	ii	15	<b>interruptus</b> <i>Lea.</i>	Harpeth river, Tenn.
17	xxiii	81	ii	17	<b>Paludina hyalina</b> <i>Lea.</i>	Poland, O.
17	xxiii	98	ii	17	<b>Melania inflata</b> <i>Lea.</i>	Indian creek, Va.
18	xxiii	106	ii	18	<b>Physa aurea</b> <i>Lea.</i>	Hot Spring, Va.
22	xxiii	104	ii	22	<b>Paludina pallida</b> <i>Lea.</i>	Cincinnati.
23	vii	17	ii	23	<b>Unio pumilus</b> <i>Lea.</i>	Black river, N. C.
24	vii	18	ii	24	<b>Tampicoensis</b> <i>Lea.</i>	Tampico, &c., Mex.
25	vii	19	ii	25	<b>Cumberlandicus</b> <i>Lea.</i>	Cumb'land r., Tenn.
26	viii	20	ii	26	<b>simus</b> <i>Lea.</i>	Cumb'land r., Tenn.
27	viii	21	ii	27	<b>Roanokensis</b> <i>Lea.</i>	Roanoke riv., N. C., Altamaha r., Ala.
28	viii	22	ii	28	<b>notatus</b> <i>Lea.</i>	Cumberland river.
28	ix	23	ii	28	<b>Jayensis</b> <i>Lea.</i>	Florida.
29	ix	24	ii	29	<b>Hopetonensis</b> <i>Lea.</i>	Hopeton.
30	ix	25	ii	30	<b>lugubris</b> <i>Lea.</i>	Hopeton.
31	x	26	ii	31	<b>Barnesianus</b> <i>Lea.</i>	Cumb'land r., Tenn.
32	x	27	ii	32	<b>Zeiglerianus</b> <i>Lea.</i>	Cumb'land r., Tenn.
33	x	28	ii	33	<b>creperus</b> <i>Lea.</i>	Tennessee.
34	x	29	ii	34	<b>glaber</b> <i>Lea.</i>	Holston riv., Tenn.
35	x	30	ii	35	<b>gibber</b> <i>Lea.</i>	Carryfork r., Tenn.
36	xi	31	ii	36	<b>Vanuxemensis</b> <i>Lea.</i>	Cumb'land r., Tenn.
37	xi	32	ii	37	<b>carbonarius</b> <i>Lea.</i>	Medellin riv., Mex.
38	xi	33	ii	38	<b>folliculatus</b> <i>Lea.</i>	Savannah river.
39	xii	34	ii	39	<b>Medellinus</b> <i>Lea.</i>	Medellin river, near Vera Cruz.
40	xii	35	ii	40	<b>Lecontianus</b> <i>Lea.</i>	Conochee river, Ga.
41	xii	36	ii	41	<b>Muhlfeldianus</b> <i>Lea.</i>	Cumb'land r., Tenn.
42	xiii	37	ii	42	<b>Margaritana Holstonia</b>	Holston river.
43	xiii	38	ii	43	<b>deltoidea</b> <i>Lea.</i> [ <i>Lea.</i>	Cincinnati, O.
44	xiii	39	ii	44	<b>fabula</b> <i>Lea.</i>	Cumb'land r., Tenn.
45	xiii	40	ii	45	<b>Anodonta cylindracea</b> <i>Lea.</i>	Medellin r., near V.
45	xiv	41	ii	45	<b>salmonia</b> <i>Lea.</i>	Poland, O. [Cruz.
46	xiv	42	ii	46	<b>Wardiana</b> <i>Lea.</i>	Chilicothe, O.
47	xiv	43	ii	47	<b>Buchanensis</b> <i>Lea.</i>	Buck creek, O.
48-57	xv		ii	48-57	Anatomy of <i>Naiades</i> .	
57	xvi	50	ii	57	<b>Unio spinosus</b> <i>Lea.</i>	Altamaha, Ga.
61	xvii	53	ii	61	<b>pliciferus</b> <i>Lea.</i>	Mexico.

TRANS. Vol. vi, 1839.			OBS.		
Pa.	Pl.	Fig.	V.	Pa.	
62	xvii	55	ii	62	<b>Unio Tappanianus</b> <i>Lea.</i> Juniata river. <i>U. viridis</i> Conr. non. <i>Raf.</i>
64	xx	63	ii	64	<b>Anodonta decora</b> <i>Lea.</i> Ohio.
67	xxiii	82	ii	67	<b>Helix Wardiana</b> <i>Lea.</i> Ohio.
68	xxiii	83	ii	68	<b>Planorbis lens</b> <i>Lea.</i> Cincinnati.
69			ii	69	Note on <b>Carocolla spinosa</b> .
69	xix	60	ii	69	<b>Unio graniferus</b> <i>Lea.</i> Cincinnati.
70	xix	61	ii	70	<b>splendidus</b> <i>Lea.</i> Altamaha river, Ga.
71	xxii	69	ii	71	<b>Margaritana arcula</b> <i>Lea.</i> Altamaha river, Ga.
73	xvii	54	ii	73	<b>Unio Dorfeullianus</b> <i>Lea.</i> Ohio.
76	xix	59	ii	76	<b>Menkianus</b> <i>Lea.</i> Harpeth river, Tenn.
77	xx	62	ii	77	<b>Anodonta Nuttalliana</b> <i>Lea.</i> Wahlamat riv., Or.
78	xx	64	ii	78	<b>Wahlamatensis</b> <i>Lea.</i> Wahlamat riv., Or.
78	xxi	65	ii	78	<b>pavonia</b> <i>Lea.</i> Little Beaver r., O.
79	xxi	66	ii	79	<b>Newtoniensis</b> <i>Lea.</i> Newtown cr., N. J.
80	xxi	67	ii	80	<b>Oregonensis</b> <i>Lea.</i> Wahlamat river.
87	xxiii	71	ii	87	<b>Helix Mitchelliana</b> <i>Lea.</i> Ohio.
87	xxiii	72	ii	87	<b>Vancouverensis</b> <i>Lea.</i> Fort Vancouver, Or.
88	xxiii	74	ii	88	<b>Nuttalliana</b> <i>Lea.</i> Fort Vancouver, Or.
89	xxiii	75	ii	89	<b>Columbiana</b> <i>Lea.</i> Fort Vancouver, Or.
91	xxiii	93	ii	91	<b>Paludina virens</b> <i>Lea.</i> Wahlamat, Or.
91	xxiii	103	ii	91	<b>nucloa</b> <i>Lea.</i> Wahlamat, Or.
92	xxiii	109	ii	92	<b>Nickliniana</b> <i>Lea.</i> Hot Springs, Va.
92	xxiii	86	ii	92	<b>Melania Troostiana</b> <i>Lea.</i> Mossy creek, Tenn.
93	xxiii	90	ii	93	<b>plicifera</b> <i>Lea.</i> Wahlamat, Or.
93			ii	93	<i>M. tuberculata</i> <i>Lea</i> = <b>Spixiana</b> <i>Lea.</i>
94	xxiii	91	ii	94	<b>Lymnæa solida</b> <i>Lea.</i> Wahlamat, Or.
95	xviii	56	ii	95	<b>Unio Rangianus</b> <i>Lea.</i> Ohio.
96	xvi	51	ii	96	<b>Pepinianus</b> <i>Lea.</i> Lake Pepin, O.
97	xvi	52	ii	97	<b>Anodonta angulata</b> <i>Lea.</i> Lewis' river, Or.
99	xxiii	79	ii	99	<b>Helix Californiensis</b> <i>Lea.</i> St. Diego, U. Cal.
99	xxiii	80	ii	99	<b>Townsendiana</b> <i>Lea.</i> Wahlamat, Or.
100	xxiii	84	ii	100	<b>Nickliniana</b> <i>Lea.</i> St. Diego, U. Cal.
100	xxiii	85	ii	100	<b>Oregonensis</b> <i>Lea.</i> Wahlamat, Or.
101	xxiii	107	ii	101	<b>Succinea aperta</b> <i>Lea.</i> Bks. of Columbia r.
101	xxiii	109	ii	101	<b>Paludina Nuttalliana</b> <i>Lea.</i> Wahlamat, Or.
102	xxiii	94	ii	102	<b>Lymnæa apicina</b> <i>Lea.</i> Wahlamat, Or.
103	xxiv	113	ii	103	<b>Unio dolabræformis</b> <i>Lea.</i> Altamaha river.
104	xxiv	114	ii	104	<b>Novi-eboraci</b> <i>Lea.</i> Orleans co., N. Y.
105	xxiv	115	ii	105	<b>Claibornensis</b> <i>Lea.</i> Claiborne, Ala.
106	xxiv	117	ii	106	<b>Anodonta subcylindracea</b> <i>Lea.</i> Orleans co., N. Y.

TRANS. Vol. vi, 1839.			OBS.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
107	xxiv	118	ii	107	<b>Polygyra Dorfeuilliana</b> Lea.	Ohio.
107	xxiv	119	ii	107	<b>Troostiana</b> Lea.	Tennessee.
113			ii	113	<b>Lea.</b> —Synopsis of the family of Naiades.	
[I do not give the American species of this Synopsis, as they are included, with one or two exceptions, in the second edition of the Synopsis, which is given on p. 230.—W. G. B.]						
Vol. vii, 1841.						
73					<b>Lea.</b> —Vol. vii of the same contains only "On the <i>Patella amœna</i> of Say." Date of title, 1841.	
73					<b>Patelloidea testudinalis</b> Norway, Greenland, <i>P. amœna</i> Couth. [ <i>Lea.</i> &c. <i>Patella amœna</i> Say. <i>testudinalis</i> Müll. &c. <i>testudinaria</i> Müll. <i>tessellata</i> Müll. <i>testudinaria-Groenlandica</i> Ch. <i>Clealandii</i> Sowb. <i>virginea</i> Müll. (Geml.?) <i>clypeus</i> Ker. (MSS.) <i>Lottia Antillarum</i> Sowb.	
Vol. viii, 1843.						
163					<b>Lea.</b> —Description of new Fresh Water and Land Shells. Date of title, 1843.	
164	v	1	iii	2	<b>Melania Hildrethiana</b> Lea.	Ohio r. at Marietta.
164	v	2	iii	2	<b>castanea</b> Lea.	Maury co., Tenn.
165	v	3	iii	3	<b>lævigata</b> Lea.	Claiborne, Ala.
165	v	4	iii	3	<b>Kirtlandiana</b> Lea.	Ind., O., &c.
165	v	5	iii	3	<b>Taitiana</b> Lea.	Claiborne, Ala.
166	v	6	iii	4	<b>dubiosa</b> Lea.	Tennessee.
166	v	7	iii	4	<b>ebenum</b> Lea.	Robinson co., Tenn.
167	v	8	iii	5	<b>rufa</b> Lea.	Mamma's cr., Tenn.
167	v	9	iii	5	<b>fusiformis</b> Lea.	Tennessee.
168	v	10	iii	6	<b>clavæformis</b> Lea.	Ocoee Dist., Clinch
168	v	11	iii	6	<b>gracilis</b> Lea.	Tennessee. [r. Tenn.
168	v	12	iii	6	<b>subsolida</b> Lea.	Tennessee.
169	v	13	iii	7	<b>Ocoeensis</b> Lea.	Ocoee Dist., Tenn.
169	v	14	iii	7	<b>subcylindracea</b> Lea.	Tennessee.
170	v	15	iii	8	<b>sordida</b> Lea.	Tennessee.

TRANS. Vol. viii, 1843.			OBS.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
170	v	16	iii	8	<b>Melania regularis</b> <i>Lea.</i>	Oconee Dist., Tenn.
170	v	17	iii	8	<b>fuliginosa</b> <i>Lea.</i>	Maury co., Tenn.
171	v	18	iii	9	<b>Nickliniana</b> <i>Lea.</i>	Bath co., Va.
171			iii	10	<b>Anculosa inflata</b> <i>Lea.</i>	
					<i>Melania dilatata</i> Conrad.	
					<i>Rogersii</i> Conrad.	
					<i>Anculotus carinatus</i> Anth.	
					<i>Kirtlandianus</i> Anth.	
172	v	19	iii	10	<b>Melania viridis</b> <i>Lea.</i>	Cincinnati.
172	v	20	iii	10	<b>occidentalis</b> <i>Lea.</i>	Cincinnati.
173	v	21	iii	11	<b>Niagarensis</b> <i>Lea.</i>	Niagara Falls.
174	v	22	iii	12	<b>globula</b> <i>Lea.</i>	Tennessee.
174	v	23	iii	12	<b>atilis</b> <i>Lea.</i>	Santee ca., S.C., Hav. de Grace, Md.
175	v	24	iii	13	<b>strigosa</b> <i>Lea.</i>	Holston river, Tenn.
175	v	25	iii	13	<b>virgata</b> <i>Lea.</i>	Tenn.
176	v	26	iii	14	<b>tenebrosa</b> <i>Lea.</i>	Tenn.
176	v	27	iii	14	<b>teres</b> <i>Lea.</i>	Tenn.
176	v	28	iii	14	<b>obtusa</b> <i>Lea.</i>	Tenn.
177	v	29	iii	15	<b>Lecontiana</b> <i>Lea.</i>	Georgia.
177	v	30	iii	15	<b>corrugata</b> <i>Lea.</i>	Tennessee.
178	vi	31	iii	16	<b>monozonalis</b> <i>Lea.</i>	Tennessee.
178	vi	32	iii	16	<b>terebialis</b> <i>Lea.</i>	Tennessee.
179	vi	33	iii	17	<b>columella</b> <i>Lea.</i>	Tennessee.
179	vi	34	iii	17	<b>blanda</b> <i>Lea.</i>	Tennessee.
179	vi	35	iii	17	<b>crebri-costata</b> <i>Lea.</i>	Robinson co., Tenn.
180	vi	36	iii	18	<b>Curreyana</b> <i>Lea.</i>	Barren river, Ky.
180	vi	37	iii	18	<b>Edgariana</b> <i>Lea.</i>	Cany Fork, Tenn.
181	vi	38	iii	19	<b>decora</b> <i>Lea.</i>	Tenn., Green r. Ky.
181	vi	39	iii	19	<b>costulata</b> <i>Lea.</i>	Barren r. Ky., Tenn.
182	vi	40	iii	20	<b>nitens</b> <i>Lea.</i>	Tennessee.
182	vi	41	iii	20	<b>plicatula</b> <i>Lea.</i>	Tennessee.
183	vi	42	iii	21	<b>concinna</b> <i>Lea.</i>	Tennessee.
183	vi	43	iii	21	<b>Babylonica</b> <i>Lea.</i>	Yellow sps., Green
183	vi	44	iii	21	<b>exarata</b> <i>Lea.</i>	Tennessee. [co., O.
184	vi	45	iii	22	<b>Potosiensis</b> <i>Lea.</i>	Potosi, Mo.
184	vi	46	iii	22	<b>acuto-carinata</b> <i>Lea.</i>	Tennessee.
185	vi	47	iii	23	<b>Warderiana</b> <i>Lea.</i>	Cedar creek, Va.
185	vi	48	iii	23	<b>sulcosa</b> <i>Lea.</i>	Tennessee.
186	vi	49	iii	24	<b>striata</b> <i>Lea.</i>	Tennessee.
186	vi	50	iii	24	<b>pillula</b> <i>Lea.</i>	Tennessee.
187	vi	51	iii	25	<b>circincta</b> <i>Lea.</i>	Tennessee.
187	vi	52	iii	25	<b>venusta</b> <i>Lea.</i>	Tennessee.



TRANS. Vol. viii, 1843.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
188	vi	53	iii	26	<b>Melania Florentiana</b> <i>Lea.</i>	Florence, Ala.
188	vi	54	iii	26	<b>Duttoniana</b> <i>Lea.</i>	Tennessee.
189	vi	55	iii	27	<b>Holstonia</b> <i>Lea.</i>	Holston river, Tenn.
189	vi	56	iii	27	<b>caliginosa</b> <i>Lea.</i>	Tennessee.
190	vi	57	iii	28	<b>nodulosa</b> <i>Lea.</i>	Tennessee.
190	vi	58	iii	28	<b>Cincinnatiensis</b> <i>Lea.</i>	Cinn., Holston, Ten.
191	vii	1	iii	29	<b>Unio exiguus</b> <i>Lea.</i>	Columbus, Ga.
193	vii	3	iii	31	<b>cuneolus</b> <i>Lea.</i>	Holston river, Tenn.
194	viii	4	iii	32	<b>Cincinnatiensis</b> <i>Lea.</i>	Cincinnati.
195	viii	5	iii	33	<b>Stonensis</b> <i>Lea.</i>	Stone's river, Tenn.
195	viii	6	iii	33	<b>Lesueurianus</b> <i>Lea.</i>	Cany Fork and Holston river, Tenn.
196	ix	7	iii	34	<b>dactylus</b> <i>Lea.</i>	Cany Fork, Tenn.
197	ix	8	iii	35	<b>biangulatus</b> <i>Lea.</i>	Cany Fork, Tenn.
198	ix	9	iii	36	<b>strigosus</b> <i>Lea.</i>	Columbus, Ga.
198	x	10	iii	36	<b>tener</b> <i>Lea.</i>	Big Pigeon r., Tenn.
199	x	11	iii	37	<b>Tennesseeensis</b> <i>Lea.</i>	Stone's river, Tenn.
200	x	12	iii	38	<b>amœnus</b> <i>Lea.</i>	Holston river, Tenn.
201	xi	13	iii	39	<b>obtusus</b> <i>Lea.</i>	Columbus, Ga.
201	xi	14	iii	39	<b>fatuus</b> <i>Lea.</i>	Holston river, Tenn.
202	xi	15	iii	40	<b>Geddingsianus</b> <i>Lea.</i>	Congaree riv., S. C.
203	xii	16	iii	41	<b>striatus</b> <i>Lea.</i>	Columbus, Ga.
204	xii	17	iii	42	<b>tortivus</b> <i>Lea.</i>	Columbus, Ga.
204	xii	18	iii	42	<b>lenior</b> <i>Lea.</i>	Holston river, Tenn.
205	xii	19	iii	43	<b>nitens</b> <i>Lea.</i>	Cocke co., Tenn.
206	xii	20	iii	44	<b>lineatus</b> <i>Lea.</i>	Columbus, Ga.
207	xiii	21	iii	45	<b>atromarginatus</b> <i>Lea.</i>	Columbus, Ga.
208	xiii	22	iii	46	<b>Boykinianus</b> <i>Lea.</i>	Columbus, Ga.
209	xiii	23	iii	47	<b>subangulatus</b> <i>Lea.</i>	Columbus, Ga.
209	xiv	24	iii	47	<b>pilaris</b> <i>Lea.</i>	French Broad and Holston r., E. Ten.
210	xiv	25	iii	48	<b>tuberosus</b> <i>Lea.</i>	Cany Fork and Cumberl'd rvs., M. Ten.
211	xiv	26	iii	49	<b>plenus</b> <i>Lea.</i>	Cincinnati.
212	xv	27	iii	50	<b>Holstonensis</b> <i>Lea.</i>	Holston river, Tenn.
213	xv	28	iii	51	<b>Bowenianus</b> <i>Lea.</i>	Chillicothe, O.
213	xv	29	iii	51	<b>paulus</b> <i>Lea.</i>	Columbus, Ga.
214	xv	30	iii	52	<b>Edgarianus</b> <i>Lea.</i>	Holston river, Tenn., Florence, Ala.
215	xv	31	iii	53	<b>dolabelloides</b> <i>Lea.</i>	Holston river, Tenn.
216	xvi	32	iii	54	<b>Boydianus</b> <i>Lea.</i>	Orleans co., N. Y.
217	xvi	33	iii	55	<b>Sloatianus</b> <i>Lea.</i>	Chattahoochee r., G.

TRANS. Vol. viii, 1843.			OBS.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
217	xvi	34	iii	55	<b>Unio incrassatus</b> <i>Lea.</i>	Columbus, Ga.
220	xviii	36	iii	58	<b>pusillus</b> <i>Lea.</i> [ <i>Lea.</i>	Ogechee river, Ga.
223	xviii	40	iii	61	<b>Margaritana Curreyiana</b>	Stone's river, Tenn.
223	xix	41	iii	61	<b>Anodonta argentea</b> <i>Lea.</i>	Stone's river, Tenn.
224	xix	42	iii	62	<b>Harpethensis</b> <i>Lea.</i>	Harpeth's riv., Ten.
225	xix	43	iii	63	<b>ferruginea</b> <i>Lea.</i>	Simon's creek, Ind.
225	xx	44	iii	63	<b>Footiana</b> <i>Lea.</i>	Fort Winnebago.
226	xx	45	iii	64	<b>Marryattana</b> <i>Lea.</i>	Fort Winnebago.
227	xx	46	iii	65	<b>Couperiana</b> <i>Lea.</i>	Hopeton, Ga.
227					<b>incerta?</b>	Hopeton, Ga.
228	vi	59	iii	66	<b>Melania Boykiniana</b> <i>Lea.</i>	Columbus, Ga.
228	vi	60	iii	66	<b>catenoides</b> <i>Lea.</i>	Columbus, Ga.
229	vi	61	iii	67	<b>Carocolla Cumberlandiana</b>	Cumberland Mts., <i>Lea.</i> Jasper, Tenn.
229	vi	62	iii	67	<b>Cyclostoma Cincinnatien-</b> <b>se</b> <i>Lea.</i>	Cincinnati.
230-233			iii	68	Notes on Anatomy of <b>Naiades.</b>	
233	xxi	47	iii	71	<b>Unio Sapotalensis</b> <i>Lea.</i>	Sapotal river, Mex.
234	xxi	48	iii	72	<b>Tecomatensis</b> <i>Lea.</i>	Tecomate riv., Mex.
235	xxi	49	iii	73	<b>Georgianus</b> <i>Lea.</i>	Stump creek, Ga.
236	xxii	50	iii	74	<b>Duttonianus</b> <i>Lea.</i>	Ogechee canal, Ga.
237	xxii	51	iii	75	<b>Bigbyensis</b> <i>Lea.</i>	Big Bigbee cr., Ten.
238	xxii	52	iii	76	<b>crocatus</b> <i>Lea.</i>	Savannah river, Ga.
239	xxiii	54	iii	77	<b>callosus</b> <i>Lea.</i>	Ohio canal, 12 miles below Columbus.
241	xxiv	56	iii	79	<b>Anodonta globosa</b> <i>Lea.</i>	Concha Lake, Tllocatalpam, Mexico.
242	xxv	57	iii	80	<b>Unio argenteus</b> <i>Lea.</i>	Holston river, Tenn.
242	xxv	58	iii	80	<b>sparsus</b> <i>Lea.</i>	Holston river, Tenn.
243	xxv	59	iii	81	<b>regularis</b> <i>Lea.</i>	French Br'd r., Ten.
244	xxvi	60	iii	82	<b>mæstus</b> <i>Lea.</i>	French Br'd r., Ten.
245	xxvi	62	iii	83	<b>Brumbyanus</b> <i>Lea.</i>	Tuscaloosa, Ala.
246	xxvi	61	iii	84	<b>Dariensis</b> <i>Lea.</i>	Darien, Ga.
247	xxvii	63	iii	85	<b>Haleianus</b> <i>Lea.</i>	Miss. river, 30 miles above N. Orleans.
247	xxvii	64	iii	85	<b>Foremanianus</b> <i>Lea.</i>	Tuscaloosa, Ala.
248	xxvii	65	iii	86	<b>Anodonta Dunlapiana</b> <i>Lea.</i>	South Carolina.
					(Corrigenda.)	
					<i>Melania lævigata</i> <i>Lea</i> = <i>lævis</i> <i>Lea.</i>	
					<i>rufa</i> <i>Lea</i> = <i>rufescens</i> <i>Lea.</i>	
					<i>corrugata</i> <i>Lea</i> = <i>rugosa</i> <i>Lea.</i>	
					<i>striata</i> <i>Lea</i> = <i>striatula</i> <i>Lea.</i>	

TRANS. Vol. ix, 1844.		OBS.		Name.	Locality.
V. Pa.		V. Pa.			
<b>Lea.</b> —Continuation of Mr. LEA's paper on Fresh Water and Land Shells. Date of title of vol. ix, part 1, 1844.					
ix 1		iv 1		<b>Helix Tennesseensis</b> <i>Lea.</i>	Cumb'land Mt., Tenn.
ix 2		iv 2		<b>Carocolla Edgariana</b> <i>Lea.</i>	Cumb'land Mt., Tenn.
ix 3		iv 3		<b>Succinea Wardiana</b> <i>Lea.</i>	Ohio.
ix 4		iv 4		<b>Totteniana</b> <i>Lea.</i>	Newport, R. I.
ix 4		iv 4		<b>Nuttalliana</b> <i>Lea.</i>	Oregon.
ix 4		iv 4		<b>aurea</b> <i>Lea.</i>	Springfield, O.
ix 5		iv 5		<b>Oregonensis</b> <i>Lea.</i>	Oregon.
ix 5		iv 5		<b>inflata</b> <i>Lea.</i>	South Carolina.
ix 6		iv 6		<b>Planorbis regularis</b> <i>Lea.</i>	United States.
ix 6		iv 6		<b>Buchanensis</b> <i>Lea.</i>	Cincinnati.
ix 6		iv 6		<b>bellus</b> <i>Lea.</i>	Tennessee.
ix 6		iv 6		<b>lens</b> <i>Lea</i> = <b>lenticularis</b> <i>Lea.</i>	
ix 7		iv 7		<b>Physa Hildrethiana</b> <i>Lea.</i>	Illinois.
ix 7		iv 7		<b>inflata</b> <i>Lea.</i>	Virginia.
ix 7		iv 7		<b>Troostiana</b> <i>Lea.</i>	Tennessee.
ix 8		iv 8		<b>Limnæa Philadelphica</b> <i>Lea.</i>	Schuylkill river.
ix 8		iv 8		<b>Griffithiana</b> <i>Lea.</i>	Charlotte Lake, N. Y.
ix 9		iv 9		<b>Nuttalliana</b> <i>Lea.</i>	Oregon.
ix 9		iv 9		<b>bulimoides</b> <i>Lea.</i>	Oregon.
ix 9		iv 9		<b>exigua</b> <i>Lea.</i>	Tennessee.
ix 9		iv 9		<b>planulata</b> <i>Lea.</i>	White Sulph. Spr., Va.
ix 10		iv 10		<b>fusiformis</b> <i>Lea.</i>	Lewistown, N. Y.
ix 10		iv 10		<b>rustica</b> <i>Lea.</i>	Poland, O.
ix 10		iv 10		<b>plica</b> <i>Lea.</i>	Tennessee.
ix 11		iv 11		<b>coarctata</b> <i>Lea.</i>	Newport, R. I.
ix 11		iv 11		<b>casta</b> <i>Lea.</i>	Poland, O.
ix 11		iv 11		<b>parva</b> <i>Lea.</i>	Cincinnati.
ix 11		iv 11		<b>curta</b> <i>Lea.</i>	Cincinnati.
ix 12		iv 12		<b>strigosa</b> <i>Lea.</i>	Cincinnati.
ix 12		iv 12		<b>Kirtlandiana</b> <i>Lea.</i>	Poland, O.
ix 13		iv 13		<b>Paludina regularis</b> <i>Lea.</i>	Ohio. ?
ix 13		iv 13		<b>obtusa</b> <i>Lea.</i>	Ohio.
ix 14		iv 14		<b>Troostiana</b> <i>Lea.</i>	Tennessee.
ix 14		iv 14		<b>Anculosa</b> (notes on the genus.)	
ix 15		iv 15		<b>Troostiana</b> <i>Lea.</i>	Tennessee.
ix 15		iv 15		<b>gibbosa</b> <i>Lea.</i>	Tennessee.
ix 15		iv 15		<b>carinata</b> <i>Lea.</i>	Roanoke river.
ix 15		iv 15		<b>variabilis</b> <i>Lea.</i>	Roanoke river.
ix 16		iv 16		<b>Amnicola</b> (notes on the genus.)	

TRANS. Vol. ix, 1844.		Obs.		Name.	Locality.
V.	Pa.	V.	Pa.		
ix	16	iv	16	<b>Amnicola orbiculata</b> <i>Lea.</i>	Springfield, O., and Cayuga Lake.
ix	16	iv	16	<b>limosa</b> <i>Say.</i>	
ix	16	iv	16	<b>porata</b> <i>Say.</i>	
ix	16	iv	16	<b>isogona</b> <i>Say.</i>	
				<i>Paludina pallida</i> <i>Lea.</i>	
ix	16	iv	16	<b>parva</b> <i>Lea.</i>	Springfield, O.
ix	17	iv	17	<b>Io tenebrosa</b> <i>Lea.</i>	Tennessee.
ix	17	iv	17	<b>Helix Mobiliana</b> <i>Lea.</i>	Mobile.
ix	17	iv	17	<b>minutissima</b> <i>Lea.</i>	Cincinnati.
ix	18	iv	18	<b>Melania turgida</b> <i>Lea.</i>	Holston river, Tenn.
ix	18	iv	18	<b>glabra</b> <i>Lea.</i>	Holston river, Tenn.
ix	18	iv	18	<b>perfusca</b> <i>Lea.</i>	Calf Killer cr., Tenn.
ix	19	iv	19	<b>picta</b> <i>Lea.</i>	Holston river, Tenn.
ix	19	iv	19	<b>impressa</b> <i>Lea.</i>	Coosa river, Ala.
ix	19	iv	19	<b>robusta</b> <i>Lea.</i>	Coosa river, Ala.
ix	20	iv	20	<b>Jayana</b> <i>Lea.</i>	Cany Fork, De Kalb co.,
ix	20	iv	20	<b>Anculosa rubiginosa</b> <i>Lea.</i>	Warrior r., Ala. [Tenn.]
ix	20	iv	20	<b>Griffithiana</b> <i>Lea.</i>	Coosa river, Ala.
ix	21	iv	21	<b>tuberculata</b> <i>Lea.</i>	Black Warrior r., Ala.
ix	21	iv	21	<b>Valvata bicarinata</b> <i>Lea.</i> (with notes on animal and ova).	Schuylkill river.
ix	22	iv	22	<b>Paludina angulata</b> <i>Lea.</i>	Coosa river, Ala.
ix	23	iv	23	<b>Coosaensis</b> <i>Lea.</i> [ <i>Lea.</i>	Coosa river, Ala.
ix	23	iv	23	<b>cyclostomatiformis</b>	Coosa river, Ala.
ix	24	iv	24	Notes on genus <b>Melania.</b>	
ix	24	iv	24	<b>Melania plicatula</b> <i>Lea</i> = <b>M. Deshayesiana</b> <i>Lea.</i>	
ix	24	iv	24	<b>plicata</b> <i>Lea</i> = <b>M. Menkeana</b> <i>Lea.</i>	
ix	24	iv	24	<b>exarata</b> <i>Lea</i> = <b>M. arata</b> <i>Lea.</i>	
ix	24	iv	24	<b>Planorbis lens</b> <i>Lea</i> = <b>Pl. Brogniartiana</b> <i>Lea.</i>	
ix	25	iv	25	<b>Melania vanuxemiana</b> <i>Lea.</i>	Alabama.
ix	25	iv	25	<b>ovalis</b> <i>Lea.</i>	Alabama.
ix	25	iv	25	<b>Haysiana</b> <i>Lea.</i> [ma].	Alabama.
ix	25	iv	25	<b>excisa</b> <i>Lea</i> ( <b>Schizosto-</b>	Alabama.
ix	26	iv	26	<b>Schizostoma</b> <i>Lea</i> (n. g.)	
ix	26	iv	26	<b>Melania Ordiana</b> <i>Lea.</i>	Alabama.
ix	26	iv	26	<b>brevis</b> <i>Lea.</i>	Alabama.
ix	27	iv	27	<b>oliva</b> <i>Lea.</i>	Alabama.
ix	27	iv	27	<b>Foremani</b> <i>Lea.</i>	Alabama.
ix	27	iv	27	<b>torquata</b> <i>Lea.</i>	Tennessee.
ix	28	iv	28	<b>producta</b> <i>Lea.</i>	Tennessee.
ix	28	iv	28	<b>curvata</b> <i>Lea.</i>	Tennessee.
ix	28	iv	28	<b>expansa</b> <i>Lea.</i>	Alabama.

TRANS. Vol. ix, 1844.			OBS.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
28	ix	28	iv	28	<b>Anculosa incisa</b> <i>Lea.</i>	Alabama.
29	ix	29	iv	29	<b>Foremani</b> <i>Lea.</i>	Alabama.
29	ix	29	iv	29	<b>solida</b> <i>Lea.</i>	Alabama.
30	ix	30	iv	30	<b>flammata</b> <i>Lea.</i>	Alabama.
30	ix	30	iv	30	<b>Paludina incrassata</b> <i>Lea.</i>	Alabama.
30	ix	30	iv	30	<b>coarctata</b> <i>Lea.</i>	Alabama.

Vol. ix, pt. 3, 1846.

**Lea.**—Description of new Fresh Water and Land Shells. Date of part 3, 1846.

275	xxxix	1	iv	34	<b>Unio amygdalum</b> <i>Lea.</i>	Lake George, Fla.
276	xxxix	2	iv	34	<b>Buckleyi</b> <i>Lea.</i>	Lakes George and Munroe, Fla.
276	xxxix	3	iv	34	<b>minor</b> <i>Lea.</i>	Lakes George and Munroe, Fla.
277	xl	4	iv	35	<b>fuscatus</b> <i>Lea.</i>	Black creek, Fla.
277	xl	5	iv	35	<b>Buddianus</b> <i>Lea.</i>	L. George & Munroe,
278	xl	6	iv	36	<b>trossulus</b> <i>Lea.</i>	Lke. Munroe, Fla. [F.
279	xli	7	iv	37	<b>occultus</b> <i>Lea.</i>	Black cr. and Lake Munroe, Fla.
279	xli	8	iv	37	<b>Monroensis</b> <i>Lea.</i>	Lake Munroe, Fla.
280	xli	9	iv	38	<b>aheneus</b> <i>Lea.</i>	Black creek, Fla.
280	xlii	10	iv	38	<b>neglectus</b> <i>Lea.</i>	North Alabama.

Vol. x, pt. 1, 1847.

67 **Lea.**—Description of new Fresh Water and Land Shells. Date of vol. x, part 1, 1847.

67	i	1	iv	41	<b>Unio hippopæus</b> <i>Lea.</i>	Lake Erie.
68	i	2	iv	42	<b>latecostatus</b> <i>Lea.</i>	Tuscaloosa, Ala.
69	i	3	iv	43	<b>utriculus</b> <i>Lea.</i>	N. C.
69	ii	4	iv	43	<b>hyalinus</b> <i>Lea.</i>	Richmond, Va.
70	ii	5	iv	44	<b>atrocostatus</b> <i>Lea.</i>	Ala., La.
70	ii	6	iv	44	<b>pellucidus</b> <i>Lea.</i>	Chattahoochee, Ga.
71	iii	7	iv	45	<b>tumescens</b> <i>Lea.</i>	Alexandria, La.
71	iii	8	iv	45	<b>pernodosus</b> <i>Lea.</i>	N. C.
72	iii	9	iv	46	<b>flavescens</b> <i>Lea.</i>	Bk. Warrior r., Ala.
73	iv	10	iv	47	<b>fulgidus</b> <i>Lea.</i>	Alexandria, La.
73	iv	11	iv	47	<b>symmetricus</b> <i>Lea.</i>	Alexandria, La.
74	iv	12	iv	48	<b>unicolor</b> <i>Lea.</i>	Tuscaloosa, Ala.
74	v	13	iv	48	<b>approximus</b> <i>Lea.</i>	Alexandria, La.
75	v	14	iv	49	<b>caperatus</b> <i>Lea.</i>	Clinch river, Tenn.
76	v	15	iv	50	<b>simplex</b> <i>Lea.</i>	Bk. Warrior r., Ala.
76	vi	16	iv	50	<b>Gouldii</b> <i>Lea.</i>	Tuscaloosa, Ala.

TRANS. Vol. x, 1847.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
77	vi	17	iv	51	<b>Unio Estabrookianus</b> <i>Lea.</i>	Clinch river, Tenn.
77	vi	18	iv	51	<b>Binneyi</b> <i>Lea.</i>	Southern States.
78	vii	19	iv	52	<b>fuliginosus</b> <i>Lea.</i>	Cobb's creek, Phila.
79	vii	20	iv	53	<b>pallescens</b> <i>Lea.</i>	Tuscaloosa, Ala.
79	vii	21	iv	53	<b>caliginosus</b> <i>Lea.</i>	Alexandria, La.
80	viii	22	iv	54	<b>spatulatus</b> <i>Lea.</i>	Rock river, Wisc.
81	viii	23	iv	55	<b>compressissimus</b> <i>Lea.</i>	Holston river, Tenn.
81	viii	24	iv	55	<b>pulvinulus</b> <i>Lea.</i>	Murray co., Ala.
82	viii	25	iv	56	<b>Anodonta tetragona</b> <i>Lea.</i>	Alexandria, La.
82	viii	26	iv	56	<b>Margaritana minor</b> <i>Lea.</i>	Tenn., N. C.
83	ix	27	iv	57	<b>Melania solida</b> <i>Lea.</i>	Tennessee.
83	ix	28	iv	57	<b>proteus</b> <i>Lea.</i>	Tuscaloosa, Ala.
84	ix	29	iv	58	<b>lugubris</b> <i>Lea.</i>	Alabama.
84	ix	30	iv	58	<b>torta</b> <i>Lea.</i>	Big creek, Tenn.
85	ix	31	iv	59	<b>spurca</b> <i>Lea.</i>	Alabama.
85	ix	32	iv	59	<b>abrupta</b> <i>Lea.</i>	Alabama.
85	ix	33	iv	59	<b>basalis</b> <i>Lea.</i>	Alabama.
86	ix	34	iv	60	<b>modesta</b> <i>Lea.</i>	Columbus, Ga.
86	ix	35	iv	60	<b>Haleiana</b> <i>Lea.</i>	Alexandria, La.
86	ix	36	iv	60	<b>pumila</b> <i>Lea.</i>	Tuscaloosa, Ala.
87	ix	37	iv	61	<b>Alexandrensis</b> <i>Lea.</i>	Alexandria, La.
87	ix	38	iv	61	<b>ovoidea</b> <i>Lea.</i>	Alexandria, La.
88	ix	39	iv	62	<b>auriculæformis</b> <i>Lea.</i>	Tuscaloosa, Ala.
88	ix	40	iv	62	<b>carino-costata</b> <i>Lea.</i>	Ala., Tenn.
88	ix	41	iv	62	<b>filum</b> <i>Lea.</i>	Alabama.
89	ix	42	iv	63	<b>spinalis</b> <i>Lea.</i>	Alabama.
89	ix	43	iv	63	<b>pallescens</b> <i>Lea.</i>	Chester Dist., S. C.
90	ix	44	iv	64	<b>Buddii</b> <i>Lea.</i>	Tennessee?
90	ix	45	iv	64	<b>harpa</b> <i>Lea.</i>	Tuscaloosa, Ala.
90	ix	46	iv	64	<b>arctata</b> <i>Lea.</i>	Tuscaloosa, Ala.
91	ix	47	iv	65	<b>crebri-striata</b> <i>Lea.</i>	Tuscaloosa, Ala.
91	ix	48	iv	65	<b>nobilis</b> <i>Lea.</i>	Alabama.
92	ix	49	iv	66	<b>pernodosa</b> <i>Lea.</i>	Florence, Ala.
92	ix	50	iv	66	<b>Anculosa squalida</b> <i>Lea.</i>	Tuscaloosa, Ala.
93	ix	51	iv	67	<b>tintinnabulum</b> <i>Lea.</i>	Tenn., Tuscal'a, Ala.
93	ix		iv	67	<b>Schizostoma</b> <i>Lea</i> (n. g.)	
93	ix	52	iv	67	<b>pagoda</b> <i>Lea.</i>	Tuscaloosa, Ala.
93	ix		iv	67	<b>incisa</b> <i>Lea.</i>	
93	ix		iv	67	<b>excisa</b> <i>Lea.</i>	
94	ix	53	iv	68	<b>Buddii</b> <i>Lea.</i>	Tuscaloosa, Ala.
94	ix	54	iv	68	<b>Babylonicum</b> <i>Lea.</i>	Tuscaloosa, Ala.
94	ix	55	iv	68	<b>constrictum</b> <i>Lea.</i>	Tuscaloosa, Ala.
95	ix	56	iv	69	<b>funiculatum</b> <i>Lea.</i>	Tuscaloosa, Ala.

TRANS.			OBS.		Name.	Locality.
Vol. x, 1847.			V.	Pa.		
Pa.	Pl.	Fig.	V.	Pa.		
95	ix	57	iv	69	<b>Schizostoma laciniatum</b>	Tuscaloosa, Ala. <i>Lea.</i>
96	ix	58	iv	70	<b>Paludina Haleiana</b>	<i>Lea.</i> Alexandria, La.
96	ix		iv	70	<b>Lea.</b>	Catalogue of Recent and Fossil Melania.
[As no synonyms, references or localities are given by Mr. Lea, I have not considered it necessary to repeat this list.— W. G. B.]						
Vol. x, pt. 2, 1852.						
253			v	10	<b>Lea.</b>	New Fresh Water and Land Shells. Date of vol. x, part 2, 1852.
254	xii	1	v	10	<b>Unio sordidus</b>	<i>Lea.</i> Abbeville Dis., S. C.
254	xii	2	v	10	<b>Gibbesianus</b>	<i>Lea.</i> Abbeville Dis., S. C.
255	xii	3	v	11	<b>perstriatus</b>	<i>Lea.</i> Abbeville Dis., S. C.
256	xiii	4	v	12	<b>Toumeyii</b>	<i>Lea.</i> Abbeville Dis., S. C.
256	xiii	5	v	12	<b>Barrattii</b>	<i>Lea.</i> Abbeville Dis., S. C.
257	xiii	6	v	13	<b>decoratus</b>	<i>Lea.</i> Abbeville Dis., S. C.
258	xiv	7	v	14	<b>rufusculus</b>	<i>Lea.</i> Abbeville Dis., S. C.
258	xiv	8	v	14	<b>Whiteianus</b>	<i>Lea.</i> Savannah, Ga.
259	xiv	9	v	15	<b>lazarus</b>	<i>Lea.</i> Abbeville Dis., S. C.
260	xv	10	v	16	<b>merus</b>	<i>Lea.</i> Abbeville Dis., S. C.
260	xv	11	v	16	<b>concavus</b>	<i>Lea.</i> Abbeville Dis., S. C.
261	xv	12	v	17	<b>ineptus</b>	<i>Lea.</i> Abbeville Dis., S. C.
261	xv	13	v	17	<b>buxeus</b>	<i>Lea.</i> Abbeville Dis., S. C.
262	xv	14	v	18	<b>pygmæus</b>	<i>Lea.</i> Abbeville Dis., S. C.
263	xvi	15	v	19	<b>fraternus</b>	<i>Lea.</i> Abbeville Dis., S. C., and Columbus, Ga.
263	xvi	16	v	19	<b>Cuvierianus</b>	<i>Lea.</i> Washington co., Ga.
264	xvi	17	v	20	<b>Forbesianus</b>	<i>Lea.</i> Savannah river.
265	xvii	18	v	21	<b>Kleinianus</b>	<i>Lea.</i> Suwanee river, Fla.
265	xvii	19	v	21	<b>satur</b>	<i>Lea.</i> Alexandria, La., Lk. Calcashue, La.
266	xvii	20	v	22	<b>Lamarkianus</b>	<i>Lea.</i> Caddo and Washitta rivers, Ark.
267	xviii	21	v	23	<b>hebes</b>	<i>Lea.</i> Oconee river, Ga.
268	xviii	22	v	24	<b>Moussonianus</b>	<i>Lea.</i> Georgia.
268	xviii	23	v	24	<b>nigerrimus</b>	<i>Lea.</i> Alexandria, La.
269	xix	24	v	25	<b>Prevostianus</b>	<i>Lea.</i> Eutowah river, Ga.
270	xix	25	v	26	<b>Powellii</b>	<i>Lea.</i> Saline river, Ark.
271	xix	26	v	27	<b>affinis</b>	<i>Lea.</i> Alexandria, La.
271	xx	27	v	27	<b>proximus</b>	<i>Lea.</i> Georgia.
272	xx	28	v	28	<b>Reeveianus</b>	<i>Lea.</i> Alexandria, La.

TRANS. Vol. x, 1853.			OBS.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
273	xx	29	v	29	<b>Unio luridus</b> <i>Lea.</i>	Coosawattee r., Ga.
273	xxi	30	v	29	<b>Clarkianus</b> <i>Lea.</i>	Williamsport, Tenn., Ala. ? Ga. ?
274	xxi	31	v	30	<b>Floridensis</b> <i>Lea.</i>	Chacktahachir., Fla.
275	xxi	32	v	31	<b>succissus</b> <i>Lea.</i>	W. Florida, New Or.
275	xxii	33	v	31	<b>Oregonensis</b> <i>Lea.</i>	Columbia river.
276	xxii	34	v	32	<b>Rumphianus</b> <i>Lea.</i>	West Georgia?
277	xxii	35	v	33	<b>sagittiformis</b> <i>Lea.</i>	Oconee river, Ga.
278	xxiii	36	v	34	<b>Stewardsonii</b> <i>Lea.</i>	Chattanooga r., Ten.
279	xxiii	37	v	35	<b>Hanleyianus</b> <i>Lea.</i>	Coosawattee r., Ga.
279	xxiii	38	v	35	<b>placitus</b> <i>Lea.</i>	Alabama.
280	xxiii	39	v	36	<b>Troschelianus</b> <i>Lea.</i>	Coosawattee r., Ga.
281	xxiii	40	v	37	<b>Kienerianus</b> <i>Lea.</i>	Coosawattee r., Ga.
283	xxiv	42	v	39	<b>nigellus</b> <i>Lea.</i>	Chattahoochee r., G.
283	xxiv	43	v	39	<b>nux</b> <i>Lea.</i>	Alabama.
284	xxiv	44	v	40	<b>nigrinus</b> <i>Lea.</i>	West Florida.
285	xxv	45	v	41	<b>Anodonta denigrata</b> <i>Lea.</i>	East Tennessee.
285	xxv	46	v	41	<b>opaca</b> <i>Lea.</i>	New Orleans, Little Rock, Ark.,
286	xxv	47	v	42	<b>Californiensis</b> <i>Lea.</i>	Rio Colorado, Cal.
288	xxvi	50	v	44	<b>Schaefferiana</b> <i>Lea.</i>	Horn Lake cr., Tenn.
289	xxvii	51	v	45	<b>Linnæana</b> <i>Lea.</i>	Lake Concordia, La.
289			v	45	<b>edentula</b> <i>Say?</i>	Cincinnati.
290	xxviii	52	v	46	<b>oblita</b> <i>Lea.</i>	Campbell co., Tenn.
290	xxviii	53	v	46	<b>virens</b> <i>Lea.</i>	Alexandria, La.
293	xxix	56	v	49	<b>Arkansensis</b> <i>Lea.</i>	Little Arkansas riv.
295			v	51	<b>Lea.</b> —Description of a new genus ( <b>Basistoma</b> ) of the family Melaniana.	
295			v	51	<i>Schizostoma</i> <i>Lea</i> (preoc.) = <b>Schizochilus</b> <i>Lea.</i>	
296	xxx	2	v	52	<b>Melania perstriata</b> <i>Lea.</i>	Coosa r., Ala., Hunts- ville, Tenn.
297	xxx	3	v	53	<b>sculptilis</b> <i>Lea.</i>	Tennessee.
297	xxx	4	v	53	<b>Clarkii</b> <i>Lea.</i>	Duck creek, Tenn.
298	xxx	5	v	54	<b>Brumbyi</b> <i>Lea.</i>	Coosa r., Huntsville,
298	xxx	6	v	54	<b>oblita</b> <i>Lea.</i>	Tennessee? [Ala.]
299	xxx	7	v	55	<b>furva</b> <i>Lea.</i>	Coosa river, Ala.
299	xxx	8	v	55	<b>Sellersiana</b> <i>Lea.</i>	Cany Fork, Tenn.
300	xxx	9	v	56	<b>oppugnata</b> <i>Lea.</i>	Alabama river.
300	xxx	10	v	56	<b>Saffordii</b> <i>Lea.</i>	Lebanon, Tenn.
301	xxx	11	v	57	<b>pinguis</b> <i>Lea.</i>	Lebanon, Tenn.
301	xxx	12	v	57	<b>gibbosa</b> <i>Lea.</i>	Scioto river, O.



TRANS. Vol. x, 1853.		Obs.		Name.	Locality.
Pa.	Pl. Fig.	V. Pa.			
303		v 59		<b>Lea.</b> —Description of a new species of <i>Helix</i> from California, and a new characteristic form of certain American <b>Colimacea</b> .	
303	xxx 13	v 59		<b>Helix Lecontii</b> <i>Lea.</i>	San Francisco.
304				Accessory column in	
304		v 60		<b>Carocolla spinosa</b> <i>Lea.</i>	
304		v 60		<b>Edgariana</b> <i>Lea.</i>	
304		v 60		<b>Helix hirsuta</b> <i>Say.</i>	
304		v 60		<b>monodon</b> <i>Rack.</i>	
304		v 60		<b>Leai</b> <i>Ward.</i>	
304		v 60		<b>leporina</b> <i>Gould.</i>	
304		v 60		<b>Lecontii</b> <i>Lea.</i>	
304		v 60		<b>Polygyra Troostiana</b> <i>Lea.</i>	
304		v 60		<b>Dorfeuilliana</b> <i>Lea.</i>	

JOUR. ACAD. N. SC.  
Vol. iii, Jan. 1858.

289		vi 9		<b>Lea.</b> —Descriptions of Exotic Genera and species of the family Unionidæ. (From Journal Acad. Nat. Sc. Philadelphia, (n. s.), vol. iii, pt. 4. Jan. 1858.) New Fresh Water and Land Shells. Observations on the genus <i>Unio</i> , vol. vi, pt. 1, 1857.	
311	xxx 26	vi 31		<b>Unio umbrosus</b> <i>Lea.</i>	Medellin riv., Mex.
314	xxxii 29	vi 34		<b>Coloradoensis</b> <i>Lea.</i>	Rio Colorado, Texas.
315	xxxii 30	vi 35		<b>Poeyanus</b> <i>Lea.</i>	R. de las Balsas, Coyucan, Mexico.

Vol. iv, Dec. 1858.

43		vi 43		<b>Lea.</b> —Descriptions of the Embryonic forms of thirty-eight species of Unionidæ, vol. iv, pt. 1. Dec. 1858. (Obs. vol. vi, pt. 2.)	
46	v 1	vi 46		<b>Unio obtusus</b> <i>Lea.</i>	
46	v 2	vi 46		<b>anodontoides</b> <i>Lea.</i>	
46	v 3	vi 46		<b>multiplicatus</b> <i>Lea.</i>	
46	v 4	vi 46		<b>rutilans</b> <i>Lea.</i>	
47	v 5	vi 47		<b>penicillatus</b> <i>Lea.</i>	
47	v 6	vi 47		<b>securis</b> <i>Lea.</i>	
47	v 7	vi 47		<b>retusus</b> <i>Lea.</i>	
47	v 8	vi 47		<b>Pratii</b> <i>Lea.</i>	
47	v 9	vi 47		<b>spatulatus</b> <i>Lea.</i>	
47	v 10	vi 47		<b>luteolus</b> <i>Lam.</i>	

Journ. A. N. Sc. Vol. iv, 1855.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
47	v	11	vi	47	<b>Unio rectus</b> Lam.	
47	v	12	vi	47	phaseolus Hldr.	
47	v	13	vi	47	occidens Lea.	
47	v	14	vi	47	Novi-Eboraci Lea.	
47	v	15	vi	47	ovatus Say.	
47	v	16	vi	47	Woodwardianus Lea.	
47	v	17	vi	47	multiradiatus Lea.	
48	v	18	vi	47	ligamentinus Lam.	
48	v	19	vi	48	triangularis Barnes.	
48	v	20	vi	48	radiatus Lam.	
48	v	21	vi	48	perplexus Lea.	
48	v	22	vi	48	undulatus Barnes.	
48	v	23	vi	48	pressus Lea.	
48	v	24	vi	48	lævissimus Lea.	
48	v	25	vi	48	alatus Say.	
48	v	26	vi	48	<b>Margaritana rugosa</b> Lea.	
49	v	27	vi	49	marginata Lea.	
49	v	28	vi	49	triangulata Lea.	
49	v	29	vi	49	complanata Lea.	
49	v	30	vi	49	deltoides Lea.	
49	v	31	vi	49	Hildrethiana Lea.	
49	v	32	vi	49	<b>Anodonta Lewisii</b> Lea.	
49	v	33	vi	49	ovata Lea.	
49	v	34	vi	49	decora Lea.	
50	v	35	vi	50	Ferussaciana Lea.	
50	v	36	vi	50	imbecilis Say.	
50	v	37	vi	50	edentula Lea.	
50	v	38	vi	50	undulata Say.	
50	v	39	vi	50	<b>Unio subangulatus</b> Lea.	

[The localities of the specimens from which the dissections are made are given also.—W. G. B.]

51			vi	51	<b>Lea.</b> —New Unionidæ of the United States.	
51	vi	34	vi	51	<b>Unio Abbevillensis</b> Lea.	Abbeville Dis., S. C.
52	vi	35	vi	52	Jamesianus Lea.	Jackson, Miss.
53	vi	36	vi	53	subgibbosus Lea.	Oostanaula and Etowa rivers, Ga.
54	vii	37	vi	54	Elliottii Lea.	Othcalooga cr., Ga.
56	viii	38	vi	56	gracilior Lea.	Buckhead creek, To- besaufke cr., Ga.
57	viii	39	vi	57	pullatus Lea.	Columbus, Ga.
58	viii	40	vi	58	favosus Lea.	Othcalooga cr., Ga.

JOURN. A. N. Sc. Vol. iv, 1858.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
59	ix	41	vi	59	<b>Unio rutilans</b> <i>Lea.</i>	Othcalooga cr. Ga., and Columbus.
60	ix	42	vi	60	<b>errans</b> <i>Lea.</i>	Tobesaufke cr., Ga.
61	ix	43	vi	61	<b>vicinus</b> <i>Lea.</i>	Swift creek, Ga.
62	x	44	vi	62	<b>subellipsis</b> <i>Lea.</i>	Columbus, Ga.
63	x	45	vi	63	<b>geminus</b> <i>Lea.</i>	Buckhead creek, Ga.
64	x	46	vi	64	<b>rostriformis</b> <i>Lea.</i>	Swift creek, Ga.
65	xi	47	vi	65	<b>Blandianus</b> <i>Lea.</i>	Othcalooga cr., Ga.
66	xii	48	vi	66	<b>concestator</b> <i>Lea.</i>	Columbus, Ga.
67	xii	49	vi	67	<b>extensus</b> <i>Lea.</i>	Dry creek, Ga.
69	xii	50	vi	69	<b>pyriformis</b> <i>Lea.</i>	Columbus, Ga.
70	xiii	51	vi	70	<b>rubellinus</b> <i>Lea.</i>	Othcalooga cr. Ga., and Ala. [and Ala.
71	xiii	52	vi	71	<b>excavatus</b> <i>Lea.</i>	Othcalooga cr. Ga.,
72	xiii	53	vi	72	<b>umbrans</b> <i>Lea.</i>	Othcalooga cr. Ga.
74	xiv	54	vi	74	<b>Othcaloogensis</b> <i>Lea.</i>	Othcalooga cr. Ga., and Ala.
75	xiv	55	vi	75	<b>Columbensis</b> <i>Lea.</i>	Columbus, Ga.
76	xiv	56	vi	76	<b>apicinus</b> <i>Lea.</i>	Othcalooga cr., Ga.
77	xv	57	vi	77	<b>intercedens</b> <i>Lea.</i>	Columbus, Ga.
78	xv	58	vi	78	<b>pinguis</b> <i>Lea.</i>	St. Peter's r., U. Miss.
79	xv	59	vi	79	<b>fallax</b> <i>Lea.</i>	Columbus, Ga., Fr. Broad riv., Tenn.
80	xvi	60	vi	80	<b>virens</b> <i>Lea.</i>	Georgia.
81	xvi	61	vi	81	<b>Savannahensis</b> <i>Lea.</i>	Ga., Santee can. S. C., Sugar creek, N. C.,
82	xvi	62	vi	82	<b>sublatus</b> <i>Lea.</i>	Uchee Bar, Ga.
83	xvii	63	vi	83	<b>tenebricus</b> <i>Lea.</i>	Etowah river, Ga.
84	xvii	64	vi	84	<b>obnubilus</b> <i>Lea.</i>	Buckhead cr., Ga.
85	xvii	65	vi	85	<b>rufus</b> <i>Lea.</i>	Etowah river, Ga.
86	xviii	66	vi	86	<b>opacus</b> <i>Lea.</i>	Buckhead cr., Ga.
87	xviii	67	vi	87	<b>viridicatus</b> <i>Lea.</i>	Buckhead cr., Ga.
88	xviii	68	vi	88	<b>fumatus</b> <i>Lea.</i>	Columbus, Ga., Hos- paliga cr., Ala.
89	xix	69	vi	89	<b>æquatus</b> <i>Lea.</i>	Buckhead cr., Ga.
90	xix	70	vi	90	<b>subflavus</b> <i>Lea.</i>	Walnut creek, Ga.
91	xix	71	vi	91	<b>similis</b> <i>Lea.</i>	Buckhead cr., Ga.
92	xx	72	vi	92	<b>aquilus</b> <i>Lea.</i>	Flint and Chatta- hoochee rivs., Ga.
93	xx	73	vi	93	<b>Maconensis</b> <i>Lea.</i>	Flint river, Ga.
94	xx	74	vi	94	<b>naviculoides</b> <i>Lea.</i>	Buckhead cr. and Macon, Ga.

JOURN. A. N. Sc. Vol. iv, 1859.			Obs.	Name.	Locality.
Pa.	Pl.	Fig.	V. Pa.		
Sept. 1859.					
191			vii 9	<b>Lea.</b> —The same continued. (Journ. A. N. Sc. Philada., vol. iv, pt. 2. Sept. 1859. Obs. vol. vii, pt. 1.)	
191	xxi	75	vii 9	<b>Unio bulbosus</b> <i>Lea.</i>	Flint river, Ga.
192	xxi	76	vii 10	<b>Plantii</b> <i>Lea.</i>	Flint river, Ga.
194	xxi	77	vii 12	<b>sudus</b> <i>Lea.</i>	Columbus & Macon,
195	xxii	78	vii 13	<b>tetricus</b> <i>Lea.</i>	Flint river, Ga. [Ga.
196	xxii	79	vii 14	<b>subniger</b> <i>Lea.</i>	Flint river, Ga.
197	xxii	80	vii 15	<b>obfuscus</b> <i>Lea.</i>	Flint river, Ga.
198	xxiii	81	vii 16	<b>purpurellus</b> <i>Lea.</i>	Flint river, Ga.
199	{ xxiii xxix }	{ 82 103 }	vii 17	<b>Woodwardianus</b> <i>Lea.</i>	Cass co., Ga.
200	xxiii	83	vii 18	<b>denigratus</b> <i>Lea.</i>	Columbus, Ga.
201	xxiii	84	vii 19	<b>radians</b> <i>Lea.</i>	Othcalooga cr., Ga.
203	xxiii	85	vii 21	<b>penicillatus</b> <i>Lea.</i>	Chattahoochee and Flint rivers.
204	xxiv	86	vii 22	<b>modicus</b> <i>Lea.</i>	Chattahoocheer. Ga.
205	xxiv	87	vii 23	<b>Boswellensis</b> <i>Lea.</i>	Chattahoocheer. Ga.
206	xxiv	88 88 <sup>a</sup>	vii 24	<b>Prattii</b> <i>Lea.</i>	Chattahoocheer. Ga.
208	xxv	89	vii 26	<b>spissus</b> <i>Lea.</i>	Satilla river, Ga.
209	xxv	90	vii 27	<b>Chattanoogaensis</b> <i>Lea.</i>	Chattanooga r., Ten., Etowah, Coosawat- te, Oostenaule riv.
210	xxv	91	vii 28	<b>Downiei</b> <i>Lea.</i>	Buck Lake, Ga.
211	xxvi	92	vii 29	<b>Hazlehurstianus</b> <i>Lea.</i>	Satilla river, Ga.
212	xxvi	93	vii 30	<b>Neislerii</b> <i>Lea.</i>	Flint r., Macon, Ga.
214	xxvi	94	vii 32	<b>Postellii</b> <i>Lea.</i>	Randall's and Car- ter's creek, Ga.
215	xxvii	95	vii 33	<b>Burkensis</b> <i>Lea.</i>	Buckhead cr., Ga.
216	xxvii	96	vii 34	<b>Satillaensis.</b>	Satilla river, Ga.
217	xxvii	97	vii 35	<b>corvus</b> <i>Lea.</i>	Buckhead creek and Ogeechee riv., Ga.
218	xxviii	98	vii 36	<b>compactus</b> <i>Lea.</i>	Etowah and Conna- sauga rivs., Ga.
219	xxviii	100	vii 37	<b>fibuloides</b> <i>Lea.</i>	Connasauga r., Ga.
220	xxix	101 101 <sup>a</sup>	vii 38	<b>phaseolus</b> <i>Hidr.</i>	Anatomy.
221	xxix	102 102 <sup>a</sup>	vii 39	<b>parvus</b> <i>Barnes.</i>	Anatomy.
222	xxx	105	vii 40	<b>multiplicatus</b> <i>Lea.</i> <i>U. heros</i> Say? <i>U. undulatus</i> Say.	Anatomy.
223	xxx	106	vii 41	<b>stramineus</b> <i>Conr.</i>	Anatomy.

JOERN. A. N. Sc. Vol. iv, 1859.		Obs.		Name.	Locality.
Pa.	Pl. Fig.	V.	Pa.		
224	xxx	107	vii 42	<b>Unio ventricosus</b> <i>Barnes.</i>	Anatomy.
224	xxix	104	vii 42	<b>Margaritana margaritifera</b> <i>Linn.</i>	Anatomy.
				<i>Mya margaritifera</i> <i>Linn.</i>	
				<i>Margaritana fluviatilis</i> <i>Sch.</i>	
				<i>Unio elongata</i> <i>Lam.</i>	
				<i>Alasm. falcata</i> <i>Gould.</i>	
226	xxxi	108	vii 44	<b>Elliottii</b> <i>Lea.</i>	Chattahoochee r. Ga.
227	xxxi	110	vii 45	<b>Etowahensis</b> <i>Lea.</i>	Tenn., Etowaha, Ga.
228	xxxii	111	vii 46	<b>triangulata</b> <i>Lea.</i>	Ga. and S. C.
229	xxxii	113	vii 47	<b>Connasaugaensis</b> <i>Lea.</i>	Connasauga r. Ga., Tennessee.
230	xxviii	99	vii 48	<b>Anodonta Dariensis</b> <i>Lea.</i>	Hopeton, &c. Ga.
231	xxxi	109	vii 49	<b>Gesnerii</b> <i>Lea.</i>	Uphaupce cr., Ala.
232	xxxii	112	vii 50	<b>Hallenbeckii</b> <i>Lea.</i>	Uphaupce cr., Ga.

**Haldeman.**—Description of *Unio abacoides*, a new species:  
by S. S. HALDEMAN. (From American Journal of Science,  
(n. s.) vol. ii, p. 274. Sept. 1846.)

Page.

274 **Unio abacoides** *Haldeman.* Eastern Tennessee.

**Anthony.**—Descriptions of Shells on the cover of Nos. 3 and  
4 of Haldeman's *Limnæidæ*. (Vide pp. 67, 68.)

**Desor.**—(From Proc. Bost. Soc. of Nat. Hist., iii, 75. Nov.  
1848.)

[In quoting from the Boston Proceedings the following were overlooked.  
—W. G. B.]

Vol. Pa.

iii 75 Remarks on **Salpa**.  
iii 75 **Salpa Caboti** *Desor.* Nantucket.  
iii 76 **Pelagia quinquecirrha** *Desor.* Nantucket.

**Carpenter.**—Catalogue of the collection of Mazatlan Shells in the British Museum, collected by Frederick Reigen, described by PHILIP P. CARPENTER. London, 1857.<sup>1</sup>

July, 1855.

CLASS **BRYOZOA.**

[Omitted, according to the general plan of my work, vid. Preface.—W. G. B.]

CLASS **TUNICATA.**

(None.)

CLASS **PALLIOBRANCHIATA.**

Page.

- 7 **Discina Cumingii** *Brod.*  
*Orbicula Cumingii* *Brod.*

CLASS **LAMELLIBRANCHIATA.**

Page.

- 8 **Pholadidea melanura** *Sowb.*  
(*Pholas.*)  
9 **curta?** *Sowb.* (*Pholas.*)  
9 **Parapholas calva** *Gray.*  
*Pholas calva* *Sowb.*  
12 **acuminata** *Sowb.*  
*Pholas acuminata.*

Aug. 1855.

- 13 **Martesia intercalata** *Carp.*  
13 ——— ?  
14 **Gastrochæna truncata** *Sowb.*  
15 **ovata** *Sowb.*  
16 **Saxicava arctica** *Linn.*  
? *S. sordida* *Sowb.*  
? *S. Cordieri* *Gould.*  
*S. solida.*  
*S. distorta* *Say.*  
*S. pholadis.*  
17 **Petricola robusta** *Sowb.*  
? *P. bulbosa* *Gould.*  
19 **ventricosa** *Desh.*  
*P. denticulata* *Sowb.*  
19 ——— (sp. ined.)

Page.

- 20 **Rupellaria lingua-felis** *Carp.*  
20 **exarata** *Carp.*  
21 ——— (sp. ined.)  
21 **Corbula bicarinata** *Sowb.*  
22 **biradiata** *Sowb.*  
22 **pustulosa** *Carp.*  
23 ? **ovulata** *Sowb.*  
23 ——— (sp. ined.)  
24 **Sphænia fragilis** *Carp.*  
25 **Tyleria fragilis** *Adams.*  
26 **Lyonsia picta** *Sowb.*  
? *L. cuneata* *Orb.*  
? *Anatina cuneata* *Gray.*  
27 **Solecurtus affinis** *C. B. Ad.*  
27 **politus** *Carp.*  
27 **violascens** *Carp.*  
(*S. W. Mexico.*)  
28 ——— (sp. ined.)  
28 **Semele proxima** *C. B. Ad.*  
28 ? **venusta** *A. Adams.*  
*Amphidesma venusta* *Rve.*  
29 **Cumingia lamellosa** *Sowb.*  
*Lavignon lamellosa* *Orb.*

<sup>1</sup> This is the date of the title. Each signature bears a date, commencing with July, 1855.

## [Carpenter, Mazatlan Shells.]

Page.		Page.	
30	<b>Cumingia trigonularis</b> Sowb. <i>Lavignon triangularis</i> Gr.	42	? <b>Iphigenia lævigata</b> . <i>Capsa lævigata</i> .
30	<b>Californica</b> Conrad.	43	<b>Donax carinatus</b> Hanley.
31	—— (sp. ined.) [Desh.]	43	<b>culminatus</b> Carp.
31	<b>Sanguinolaria purpurea</b> ? <i>Tellina minata</i> Gould.	44	<b>transversus</b> Sowb.
32	<b>Tellina rufescens</b> Ch. <i>T. operculata</i> Gmel. <i>cruenta</i> Sol. <i>opercularis</i> Sowb.	44	<b>assimilis</b> Hanley.
32	<b>Broderipii</b> Desh.	44	<b>punctato-striatus</b> Hanley. <i>D. radiatus</i> Val. ? <i>flexuosus</i> Gould.
33	<b>Mazatlanica</b> Desh.	46	<b>punctato-striatus</b> var. <i>cælatus</i> .
33	<b>Dombeyi</b> Hanley.	47	<b>Conradi</b> Desh. <i>D. contusus</i> Rve. <i>Californicus</i> Conrad. <i>culter</i> Hanley.
34	<b>felix</b> Hanley.	50	<b>navicula</b> Hanley.
34	<b>straminea</b> Desh.	50	<b>Mactra exoleta</b> Gr.
34	<b>donacilla</b> Carp.	51	( <i>spissula</i> ) <b>fragilis</b> Chemn. <i>M. ovalina</i> Lam. <i>Brasiliana</i> Lam. <i>oblonga</i> Say.
35	<b>punica</b> Born. <i>Donax Martinicensis</i> Lam. <i>T. alternata</i> Sowb. <i>angulosa</i> Gmel. <i>simulans</i> C. B. Adams. ? <i>striata</i> Chemn.	52	<b>angulata</b> Gr. ( <i>Mulinia</i> .)
36	? <b>Cumingii</b> Hanley.	52	<b>Gnathodon trigona</b> Pet. ( <i>Rangia</i> .) [Carp.]
36	? <b>eburnea</b> Hanley.	54	? <b>Clementia gracillima</b>
36	? <b>regularis</b> Carp.	54	<b>Trigona radiata</b> Sowb. <i>Cythera radiata</i> . <i>Venus Solangensis</i> . <i>T. Byronensis</i> Gr. <i>Cythera corbicula</i> Mke. ? <i>semifulva</i> Mke. ? <i>gracilior</i> Sowb. ? <i>Hindi</i> Hanley. ? <i>intermedia</i> Sow.
Sept. 1855.			
37	<b>lamellata</b> Carp.	57	<b>humilis</b> Carp.
37	? ? <b>puella</b> C. B. Adams.	58	<b>argentina</b> Sowb. ( <i>Cythera</i> ).
37	? ? <b>delicatula</b> Desh.	58	? ? <b>crassatelloides</b> Conr. <i>Cythera crassatelloides</i> Hanley.
38	<b>brevirostris</b> Desh.		
38	? <b>denticulata</b> Desh.		
38	—— (sp. ined.)		
38	—— (sp. ined.)		
39	<b>Burneti</b> Br. and Sowb. <i>Lucina cristata</i> Recl.	59	<b>planulata</b> Br. and Sowb. <i>Cythera planulata</i> . <i>Venus planulata</i> . <i>Cythera undulata</i> Sowb.
39	<b>Strigilla (Tellina) carnaria</b> L. <i>Cardium carneosum</i> D. Cos. <i>Lucina carnaria</i> Lam. ? <i>S. miniata</i> Gould.		
41	? <b>lenticula</b> Phil. <i>Tellina lenticula</i> Phil.		
41	—— (sp. ined.)		
42	<b>Iphigenia altior</b> Sowb. ( <i>Capsa</i> .)		

## [Carpenter, Mazatlan Shells.]

Page.		Page.	
	<i>Donax Lessoni</i> Desh.		<i>Cytherea brevispinosa</i> Sow.
	? <i>Cytherea mactroides</i> Lam.	69	<b>Dione circinata</b> Born.
60	<b>Dosinia? ponderosa</b> Gr.		<i>Venus circinata</i> Born.
	<i>Artemis ponderosa</i> Gr.		<i>Guineensis</i> Gmel.
	<i>Cytherea gigantea</i> Phil.		<i>Cytherea Guineensis</i> Lam.
	<i>Venus cycloides</i> .		<i>alternata</i> Br.
61	<b>Annæ</b> Carp.		<i>circinata</i> Sowb.
61	<b>Dunkeri</b> Phil.	69	<b>concinna</b> Sowb.
	<i>Cytherea Dunkeri</i> Phil.		<i>Cytherea concinna</i> .
	<i>Artemis Dunkeri</i> Rve.	70	<b>Cytherea petechialis</b> Lam.
	<i>simplex</i> Hanley.		<i>Meretrix petechialis</i> Enc. M.
	<i>D. simplex</i> Desh.	71	<b>Venus (Chione) gnidia</b> Br.
	<i>Cytherea Pacifica</i> Trosch.	72	<b>amathusia</b> Phil. [and Sowb.
62	<b>Cyclina subquadrata</b> Hanl.		<i>Chione gnidia</i> (var.) Desh.
	<i>Artemis subquadrata</i> .		? <i>V. cancellata</i> Mke.
	<i>Lucinopsis subquadrata</i> .		? <i>succincta</i> Val.
	<i>Arthemis saccata</i> Gould.	Oct. 1855.	
	<i>Cyclina saccata</i> Desh.	73	—— (sp. ined.)
63	<b>Dione aurantia</b> Hanley.	74	(? <b>Chione</b> ) <i>distans</i> Phil.
	<i>Cytherea aurantia</i> Hanley.	74	( <b>Chione</b> ) <i>crenifera</i> Sowb.
	<i>Chione aurantia</i> Gr.		? <i>Venus elevata</i> Say.
	<i>Cytherea aurantiaca</i> Sowb.		? <i>radiata</i> Ch.
64	<b>chionæa</b> Mke.		<i>portesiana</i> Orb.
	<i>Cytherea chionæa</i> Mke.	75	? <b>undatella</b> Sowb.
	<i>squalida</i> Sowb.	75	<b>Columbiensis</b> Sowb.
	<i>Chione squalida</i> Gr.	76	—— (sp. ined.)
	<i>Venus squalida</i> .	76	<b>Tapes histrionica</b> Br. & Sow.
	<i>D. squalida</i> Desh.		<i>Venus histrionica</i> .
	<i>Cytherea biradiata</i> Gr.		<i>Chione histrionica</i> Desh.
	<i>chione</i> (pars.) Sb.	77	<b>grata</b> Say.
	? <i>elegans</i> Koch.		<i>Venus grata</i> Say.
66	<b>rosea</b> Br. and Sowb.		<i>Chione grata</i> Desh.
	<i>Cytherea rosea</i> .		<i>Venus tricolor</i> Sowb.
	<i>D. rosea</i> Desh.		<i>discors</i> Sowb.
	<i>Cytherea lepida</i> Chenu.		<i>Tapes discors</i> Sowb.
67	<b>lupinaria</b> Less.		<i>Chione discors</i> Gr.
	<i>Cytherea lupinaria</i> Less.		? <i>Venus Entobapta</i> Jonas.
	<i>Venus lupinaria</i> .		? <i>neglecta</i> Phil.
	<i>Chione lupinaria</i> Gr.	78	<b>squamosa</b> Carp. [Sowb.
	<i>Cytherea dione</i> (var.) Brod.	79	<b>Anomalocardia subrugosa</b>
	<i>semilamellosa</i> Gd.		<i>Venus subrugosa</i> Sowb.
68	? <b>vulnerata</b> Brod.		<i>Cytherea subsulcata</i> Mke.
	<i>Cytherea vulnerata</i> .	80	<b>subimbricata</b> Sowb.
69	? <b>brevispinosa</b> Sowb.		<i>Venus subimbricata</i> Sowb.



## [Carpenter, Mazatlan Shells.]

Page.		Page.	
81	<b>Circe margarita</b> <i>Carp.</i>	101	? <b>Lucina eburnea</b> <i>Rve.</i>
82	<i>subtrigona</i> <i>Carp.</i>	101	—— (sp. ined.)
83	<b>Gouldia pacifica</b> <i>C. B. Ad.</i>	101	? <b>Fimbria</b> —— (sp. ined.)
83	<i>varians</i> <i>Carp.</i>	102	<b>Diplodonta semiaspera</b> ?
84	<b>Cardita Californica</b> <i>Desh.</i>		<i>Phil.</i>
	<i>C. affinis</i> <i>Mke.</i>		? <i>Lucina orbella</i> <i>Gould.</i>
			? <i>semireticulata.</i>
			? <i>caelata</i> <i>Rve.</i>
Nov. 1855.		103	? <b>semiaspera.</b>
85	<b>Venericardia</b> —— (sp. ined.)		<i>var. discrepans.</i>
86	<b>Trapezium</b> —— (sp. ined.)	103	<b>obliqua</b> <i>Phil.</i>
87	<b>Chama frondosa</b> <i>Br.</i>	104	? <b>serricata</b> <i>Rve.</i>
	<i>var. Mexicana.</i>		<i>Lucina serricata</i> <i>Rve.</i>
89	<i>var. fornicata.</i>		<i>Cyrenoidea serricata</i> <i>Carp.</i>
90	<i>spinosa</i> <i>Br.</i>	105	<b>Kellia suborbicularis</b> <i>Mont.</i>
90	? <b>exogyra</b> <i>Conrad.</i>		<i>Mya suborbicularis</i> <i>Mont.</i>
91	<b>Cardium (Lævicardium)</b>		<i>Tellina suborbicularis</i> <i>Turt.</i>
	<i>elatum</i> <i>Sowb.</i>		<i>Petricola suborbicularis</i> <i>Gr.</i>
91	<i>procerum</i> <i>Sowb.</i>		<i>Tellimya suborbicularis</i> <i>Br.</i>
93	? <b>senticosum</b> <i>Sowb.</i>		<i>tenuis</i> <i>Brown.</i>
	<i>C. rastrum</i> <i>Rve.</i>		<i>lactea</i> <i>Brown.</i>
	? <i>C. muricatum</i> <i>Mke.</i>		<i>Erycina Geoffroyii</i> <i>Payr.</i>
93	—— (sp. ined. a.)		<i>Amphidesma physoides</i> <i>Lam.</i>
94	—— (sp. ined. b.)		<i>Bornia inflata</i> <i>Phil.</i>
94	—— (sp. ined. c.)	108	<b>Lasea ? rubra</b> <i>Mont.</i>
94	—— (sp. ined. d.)		<i>Cardium rubrum</i> <i>Mont.</i>
94	—— (sp. ined. e.)		<i>Tellina rubra</i> <i>Turt.</i>
94	—— (sp. ined. f.)		<i>Kellia rubra</i> <i>Turt.</i>
94	<b>alabastrum</b> <i>Carp.</i>		<i>Poronia rubra</i> <i>Récl.</i>
95	<b>graniferum</b> <i>Br. and Sowb.</i>		<i>Petricola rubra</i> <i>Gray.</i>
95	—— (sp. ined. g.)		<i>Bornia semilunum</i> <i>Phil.</i>
96	<b>Lucina (Codakia) tigerina</b>		<i>Erycina violacea</i> <i>Seacchi.</i>
	<i>Venustigerina</i> <i>Linn. [Linn.]</i>		<i>Cycladina Adansonii</i> <i>Cant.</i>
	<i>Cytherea tigerina</i> <i>Lam.</i>		<i>Cyclas australis</i> <i>Lam.</i>
97	?? <b>punctata</b> <i>Linn.</i>		<i>Amphidesma nucleola</i> <i>Lam.</i>
	<i>Venus punctata</i> <i>Linn.</i>		<i>Autonoë rubra</i> <i>Leach.</i>
	<i>Cytherea punctata</i> <i>Lam.</i>		
97	? <b>annulata</b> <i>Rve.</i>		
98	? <b>muricata</b> <i>Chemn.</i>	Dec. 1855.	
98	<b>excavata</b> <i>Carp.</i>	109	<b>trigonalis</b> <i>Carp.</i>
98	—— (sp. ined.)	109	? <b>oblonga</b> <i>Carp.</i>
98	<b>pectinata</b> <i>Carp.</i>	110	<b>Lepton Clementinum</b> <i>Carp.</i>
99	<b>cancellaris</b> <i>Phil.</i>	111	<b>Dionæum</b> <i>Carp.</i>
99	<b>Mazatlanica</b> <i>Carp.</i>	111	<b>umbonatum</b> <i>Carp.</i>
100	<b>prolongata</b> <i>Carp.</i>	111	( <i>placunoideum</i> <i>C. W. Ind.</i> )
101	—— (sp. ined.)	112	<b>Pythina sublævis</b> <i>Carp.</i>

[Carpenter, Mazatlan Shells.]

- | Page.      |  | Page.      |  |
|------------|--|------------|--|
| 113        | <b>Montacuta elliptica</b> <i>Carp.</i>        | 129        | <b>Lithophagus aristatus</b>             |
| 113        | <i>subquadrata</i> <i>Carp.</i>                |            | (var.) <i>gracilior.</i>                 |
| 114        | —— (sp. ined.)                                 | 129        | var. <i>tumidior.</i>                    |
| 114        | <b>Cyrena olivacea</b> <i>Carp.</i> [Phil.]    | 129        | <i>cinnamomeus</i> <i>Chemn.</i>         |
|            | <i>C. Fontainei</i> <i>Desh. nec</i>           |            | <i>Mytilus cinnamomeus</i> <i>Ch.</i>    |
| 115        | <b>Mexicana</b> <i>Br. and Sowb.</i>           |            | <i>Modiola cinnamomea</i> <i>Lam.</i>    |
|            | <i>C. varians</i> <i>Carp.</i>                 |            | <i>Lithodomus cinnamomeus.</i>           |
|            | <i>altilis</i> <i>Gould.</i>                   |            | <i>Lithophagus cinnamomeus</i>           |
|            | <i>fragilis</i> <i>Desh.</i>                   |            | Dunk.                                    |
|            | ? <i>Floridana</i> <i>Conrad.</i>              | 130        | <b>Leiosolenus spatiosus</b> <i>Car.</i> |
| 117        | <b>Anodonta ciconia</b> <i>Gould.</i>          | 131        | —— (sp. ined.)                           |
|            | <i>A. sinuata</i> <i>Swainson.</i>             | 132        | <b>Arca grandis</b> <i>Br. and Sowb.</i> |
| 118        | <b>Mytilus palliopunctatus</b>                 | Feb. 1856. |  |
| 118        | <i>multiformis</i> <i>Dunk.</i> [ <i>Dunk.</i> | 134        | <i>multicostata</i> <i>Sowb.</i>         |
| 120        | <b>Septifer Cumingii</b> <i>Récluz.</i>        | 134        | ? <i>labiata</i> <i>Sowb.</i>            |
| 121        | <b>Modiola capax</b> <i>Conrad.</i>            | 134        | <i>bifrons</i> <i>Carp.</i>              |
|            | <i>M. spinifera</i> <i>Carp.</i>               | 135        | <i>tuberculosa</i> <i>Sowb.</i>          |
|            | ? <i>Mytilus spatula</i> <i>Mke?</i>           | 136        | <i>reversa</i> <i>Gray.</i>              |
| Jan. 1856. |  |            | <i>A. hemicardium</i> <i>Koch.</i>       |
| 121        | <b>Brasiliensis</b> <i>Ch.</i>                 | 136        | <i>brevifrons</i> <i>Sowb.</i>           |
|            | <i>Mytilus</i> mod. <i>Brasiliensis</i>        | 137        | <i>emarginata</i> <i>Sowb.</i>           |
|            | <i>bicolor</i> <i>Brug.</i> [ <i>Ch.</i>       | 137        | —— (sp. ined.)                           |
|            | <i>Guyanensis</i> <i>Desh.</i>                 | 138        | <b>Byssarca pacifica</b> <i>Sowb.</i>    |
|            | <i>M. Guyanensis</i> <i>Desh.</i>              |            | <i>Arca pacifica</i> <i>Rve.</i>         |
|            | <i>semifusca</i> <i>Sowb.</i>                  | 139        | <i>mutabilis</i> <i>Sowb.</i>            |
| 122        | var. <i>mutabilis.</i>                         |            | <i>Arca mutabilis</i> <i>Rve.</i>        |
| 123        | <b>Crenella coarctata</b> <i>Dunk.</i>         | 140        | <i>fusca</i> <i>Brug.</i>                |
| 124        | <b>Lithophagus attenuatus</b>                  |            | <i>Arca fusca</i> <i>Brug.</i>           |
|            | <i>Desh.</i>                                   |            | <i>barbata</i> (var.) <i>Gmel.</i>       |
|            | <i>Modiola attenuata</i> <i>Desh.</i>          |            | <i>bicolorata</i> <i>Chemn.</i>          |
|            | <i>Lithodomus caudigerus</i>                   | 140        | <i>vespertilio</i> <i>Carp.</i>          |
|            | (var.) <i>Sowb.</i>                            | 141        | <i>illota</i> <i>Sowb.</i>               |
| 124        | <i>calyculatus</i> <i>Carp.</i>                |            | <i>Arca illota</i> <i>Rve.</i>           |
| 125        | <i>plumula</i> <i>Hanley.</i>                  | 141        | <i>gradata</i> <i>Br. and Sowb.</i>      |
|            | <i>Modiola plumula</i> <i>Hanley.</i>          |            | <i>Arca gradata.</i>                     |
| 126        | <i>aristatus</i> <i>Sol.</i>                   |            | <i>squamosa</i> <i>Lam.</i>              |
|            | <i>Mytilus aristatus</i> <i>Dillw.</i>         |            | <i>Domingensis</i> <i>Lam.</i>           |
|            | <i>Lithodomus aristatus</i> <i>Forb.</i>       |            | <i>clathrata</i> <i>Defr.</i>            |
|            | and <i>Hanley.</i>                             | 143        | <i>solida</i> <i>Sowb.</i>               |
|            | <i>Myt. lith. striatus</i> <i>J. Sowb.</i>     |            | <i>Arca solida</i> <i>Rve.</i>           |
|            | <i>Modiola caudigera</i> <i>Lam.</i>           | 144        | <b>Pectunculus inæqualis</b> <i>Sb.</i>  |
|            | <i>Mytilus Ropan</i> <i>Desh.</i>              |            | <i>P. pectiniformis</i> <i>Wood.</i>     |
|            | <i>Lithodomus caudigerus</i> <i>Sow.</i>       |            | <i>assimilis</i> <i>Sowb.</i>            |
|            | <i>lithophagus</i> <i>Fl.</i>                  | 144        | ? <i>multicostatus</i> <i>Sowb.</i>      |

## [Carpenter, Mazatlan Shells.]

Page.		Page.	
145	<b>Nucula ? exigua</b> Sowb.	March, 1856.	
145	<b>Leda ? Elenensis</b> Sowb. <i>Nucula Elenensis</i> Sowb.	157	<b>Ostrea iridescens</b> Gray. <i>O. (sp. ined. b.)</i> C. B. Ad. <i>O. rufa</i> (pars.?) Gould.
146	<b>Pinna maura</b> Sowb.	159	<b>Virginica</b> Gmel. <i>O. rostrata</i> , &c. Ch. <i>elongata</i> Sol. <i>crassa</i> Ch. <i>Gryphæa angulata</i> Lam. <i>O. Canadensis</i> Lam. <i>longirostris</i> Lam. <i>(sp. ined. d.)</i> C. B. Ad. <i>? rufa</i> Gould (pars.)
147	<b>lanceolata</b> Sowb.	161	<b>Columbiensis</b> Hanley.
147	<b>? rugosa</b> Sowb.	161	<b>conchaphila</b> Carp.
148	<b>Avicula sterna</b> Gould. <i>A. Atlantica</i> Mke.	163	<b>conchaphila ?</b> (var.) pal-
149	<b>Margaritiphora Mazatlanica</b> Hanley. <i>Meleagrina Mazatlanica</i> Hanley.	164	—— (sp. ined.) [mula.
150	<b>Isognomon Chemnitzia-</b> <b>num</b> d'Orb. <i>Perna Chemnitziana</i> d'Orb. <i>flexuosa</i> Sowb.	164	<b>Placunanomia pernoides</b>
151	<b>Janus</b> Carp.	166	<b>foliata</b> Br. [Carp. <i>P. echinata</i> Br. <i>pectinata</i> Br.
152	<b>Pecten circularis</b> Sowb.	166	<b>claviculata</b> Carp.
152	<b>Spondylus calcifer</b> Carp. <i>S. Lamarckii</i> Hanl., &c.?	167	<b>Anomia lampe</b> Gr.
155	—— (sp. ined.)	169	—— (sp. ined.)
155	<b>Plicatula penicillata</b> Carp. <i>P. dubia</i> (var.) Sowb.		

CLASS **GASTEROPODA.**Sub-class **Opisthobranchiata.**

Page.		Page.	
170	<b>Cylichna luticola</b> C. B. Ad. <i>Bulla (Cyl.) luticola</i> C. B. A. <i>Haminea luticola</i> H. & A. A.	171	<b>Tornatina carinata</b> Carp.
171	<b>Tornatina infrequens</b> <i>C. B. Adams.</i> <i>Bulla (Torn.) infrequens</i> <i>C. B. Adams.</i> <i>Bulla (Torn.) gracilis</i> Mke	172	<b>Bulla Adamsi</b> Mke.
		173	<b>? nebulosa</b> Gould.
		173	<b>? Quoyii</b> Gray.
		173	<b>exarata</b> Carp.
		174	—— (sp. ined.)
		174	<b>Haminea cymbiformis</b> Car.

Sub-class **Pulmonata.**

Page.		Page.	
175	<b>Glandina Albersi</b> Pfr. <i>Achatina Albersi</i> Pfr.	175	<b>Glandina turris</b> Pfr. (Ach.) <i>Acicula turris</i> H. & A. Ad. <i>Gl. Albersi</i> (var.) <i>turrita</i> C.

[Carpenter, Mazatlan Shells.]

Page.		Page.	
176	<b>Orthalicus zebra</b> Müll. <i>Buccinum zebra</i> Müll. <i>Bulla zebra</i> Gmel. <i>Achatina zebra</i> Pfr. <i>O. undatus</i> Beck. <i>zebra</i> Beck. <i>Helix undatus</i> Fer. <i>Bulimus melanocheilus</i> Val. <i>Orthalicus vivens</i> Beck. <i>Bulimus zig-zag</i> Lam. <i>princeps</i> Brod. <i>Helix princeps</i> Orb. <i>Orthalicus princeps</i> Beck. <i>Achatina pulchella</i> Spix.	177	<b>Orthalicus ? Mexicanus</b> Lam. <i>Bulimus Mexicanus</i> Lam. <i>Leiostracus Mexicanus</i> H. <i>Helix vittata</i> Fer. [& A. Ad.
177	<b>Ziegleri</b> Pfr. <i>B. Ziegleri</i> Pfr. <i>Leiostracus Ziegleri</i> H. and A. Adams.	178	<b>Melampus olivaceus</b> Carp.
		179	<b>Aplexa aurantia</b> Carp. <i>Physa Peruviana</i> Mke. non
		180	<b>elata</b> Gould. [Gr. <i>P. elata</i> Gould.
		April, 1856.	
		181	<b>Planorbis tumens</b> Carp. <i>Pl. affinis</i> Carp. non C. B. <i>tenagophilus</i> Mke. [Ad.
		182	<b>Siphonaria Lecanium</b> Phil.
		183	var. <b>palmata</b> .
		184	<b>æquilirata</b> Carp.
		184	—— (sp. ined.)

Sub-class **Prosobranchiata.**

Page.		Page.	
185	<b>Janthina striulata</b> .	198	<b>Acanthochites Arragon-</b> <b>ites</b> Carp.
186	var. <b>contorta</b> .	199	<b>Patella Mexicana</b> Br. and <i>Lottia gigantea</i> . [Sowb. <i>P. maxima</i> .
187	<b>decollata</b> .	200	<b>pediculus</b> Phil. <i>P. corrugata</i> Rve.
188	<b>Dentalium liratum</b> Carp.	201	<b>discors</b> Phil.
188	<b>hyalinum</b> Phil.	202	<b>Nacella</b> —— (sp. ined.)
189	<b>corrugatum</b> Carp.	203	<b>Acmaea mesoleuca</b> Mke. <i>A. mutabilis</i> Mke. <i>Patella diaphana</i> Rve. <i>Lottia patina</i> C. B. Ad. <i>P. personoides</i> (pars?) Mid. <i>æruginea</i> ? Midd. <i>L. pintadina</i> Gld. (pars.)
189	? <b>pretiosum</b> Nutt.	May, 1856.	
190	<b>Lophyrus articulatus</b> Sowb. <i>Chiton articulatus</i> Sowb.	205	<b>fascicularis</b> Mke. <i>A. mutabilis</i> (pars.) <i>Patella opea</i> Rve. <i>discors</i> Carp.
191	<b>albolineatus</b> Br. and Sowb. <i>Chiton albolineatus</i> .	207	<b>patina</b> Esch.
192	<b>striatosquamosus</b> Carp.		
193	? <b>Tonicia Forbesii</b> Carp.		
194	<b>Lepidopleurus sanguineus</b> [Rve. <i>Chiton sanguineus</i> Rve.		
195	<b>clathratus</b> Carp.		
195	<b>bullatus</b> Carp.		
196	var. <b>calciferus</b> .		
196	<b>Mac Andrei</b> Carp.		
197	<b>Beanii</b> Carp.		
198	<b>Chiton flavescens</b> Carp.		

[Carpenter, Mazatlan Shells.]

Page.		Page.	
	<i>A. scutum</i> Esch.		<i>Cremides Peruviana</i> H. and [A. Adams.
	<i>P. mammillata</i> Nutt.		
	<i>tessellata</i> Nutt.	219	<b>Fissurella spongiosa</b> Carp.
	<i>fenestrata</i> Nutt.	220	<b>Glyphis inæqualis</b> Sowb.
	<i>verriculata</i> Rve.		<i>Fissurella inæqualis</i> Sowb.
	<i>cinis</i> Rve.		<i>Lucapina inæqualis</i> H. & A.
	<i>Nuttalliana</i> Rve.		<i>Fissurella pica</i> Sowb. [Ad.
	? <i>Cumingia</i> Rve.		<i>Lucapina pica</i> H. & A. Ad.
	<i>diaphana</i> Nutt.	221	<b>alta</b> C. B. Adams.
	<i>L. pintadina</i> Gld. (pars.)		<i>Fissurella alta</i> C. B. Ad.
208	<b>Acmaea persona</b> Esch.		<i>Lucapina alta</i> H. & A. Ad.
	<i>A. radiata</i> Esch.	222	<b>Rimula Mazatlanica</b> Carp.
	<i>ancylus</i> Esch.	223	<b>Callopora (Turbo) fluctuosum</b> Mawe.
	<i>scutum</i> D'Orb.		<i>Trochus Fokkesii</i> Jonas.
	<i>Lottia punctata</i> Gr.	224	<b>Phasianella perforata</b> Phil.
	<i>Patella Oregona</i> Nutt.	225	var. <b>striulata</b> .
	<i>umbonata</i> Nutt.	225	<b>compta</b> Gould. [Beck.
	<i>pileata</i> Nutt.	226	<b>Bankivia varians</b> (junior)
209	<b>scabra</b> Nutt.		<i>Phasianella fasciata</i> Mke.
210	<b>mitella</b> Mke.		<i>undatella</i> Mke.
	<i>P. navicula</i> Rve. [Carp.		<i>fulminata</i> Mke.
211	<b>Scutellina navicelloides</b>		
212	<b>Gadinia pentagoniostoma</b> Sowb. [Sowb.	227	<b>Uvanilla (Imperator) olivacea</b> Mawe.
	<i>Siphonaria pentagoniostoma</i>		<i>Trochus olivaceus</i> Gr.
213	<b>Fissurella virescens</b> Sowb.		<i>Imperator olivaceus</i> Carp.
215	<b>Barbadensis</b> Gmel.		<i>U. olivacea</i> H. and A. Ad.
	<i>Patella Barbadensis</i> Gmel.		<i>Trochus brevispinosus</i> Val.
	<i>perforata</i> Gmel.		<i>erythrophthalmus</i> Phil.
	<i>rosea</i> Gmel.		? <i>Melchersi</i> Mke.
	<i>porphyrozonias</i> Gm.	June, 1856.	
	<i>Cremides Barbadensis</i> H.	229	<b>inermis</b> Gmel.
215	<b>rugosa</b> Sowb. [and A. Ad.		<i>Trochus inermis</i> Gmel.
	<i>Cremides rugosa</i> H. & A. Ad.		<i>olivaceus</i> Phil. non
	<i>F. chlorotrema</i> Mke.	229	<b>unguis</b> Mawe. [Gray.
	<i>humilis</i> Mke.		<i>Trochus unguis</i> Mawe.
	<i>viminea</i> Mke.		<i>Turbo unguis</i> Desh.
	<i>virescens</i> (jun.) Carp.		<i>digitatus</i> Desh.
217	<b>nigrocincta</b> Carp.		<i>Trochus amictus</i> Val.
217	— (sp. ined.)		? <i>stellaris</i> Mke.
218	<b>alba</b> Carp.	231	<b>Trochus versicolor</b> Mke.
219	<b>Peruviana</b> Lam.		? <i>Ziziphinus Californicus</i>
	<i>F. subrotundata</i> Desh.	232	<b>Mac Andreæ</b> Carp. [A. Ad.
	<i>affinis</i> (var.)		

[Carpenter, Mazatlan Shells.]

Page.		Page.	
233	<b>Omphalius ? rugosus</b> (var.) <b>rufotinctus.</b> ? <i>Chlorostoma rugosum</i> A.	251	<b>Ethalia pyricallosa</b> <i>Carp.</i>
234	<b>viridulus</b> <i>Gmel.</i> [Adams. <i>Trochus viridula</i> <i>Gmel.</i> <i>Globulus</i> , &c. <i>Chemn.</i> <i>Phorcus variegatus</i> A. Ad. <i>Trochus Brasiliensis</i> Mke. <i>Byronianus</i> Wood. <i>reticulatus</i> Gould.	251	<b>lirulata</b> <i>Carp.</i>
235	<b>Omphalius ligulatus</b> <i>Mke.</i> <i>Trochus ligulatus</i> <i>Mke.</i> ? <i>Phorcus Californicus</i> A. Adams. <i>O. Californicus</i> H. & A. Ad. <i>Trochus magus</i> , &c. &c.	252	<b>pallidula</b> <i>Carp.</i>
236	<b>globulus</b> <i>Carp.</i> <i>Trochus glomus</i> <i>Mke.</i>	252	<b>carinata</b> <i>Carp.</i>
238	<b>Vitrinella Panamensis</b> <i>C.</i>	June, 1856.	
238	<b>parva</b> <i>C. B. Ad.</i> [B. Ad. <i>V. clathrata</i> <i>Carp.</i>	253	<b>amplectans</b> <i>Carp.</i> [Carp.
239	<b>decussata</b> <i>Carp.</i>	253	<b>Teinostoma amplectans</b>
240	<b>monile</b> <i>Carp.</i>	254	<b>substriatum</b> <i>Carp.</i>
240	<b>monilifera</b> <i>Carp.</i>	254	<b>Trochus</b> — (sp. ined.)
241	<b>lirulata</b> <i>Carp.</i>	255	<b>Nerita scabricosta</b> <i>Lam.</i> <i>N. ornata</i> Sowb. <i>Deshayesii</i> Récl. <i>multijugis</i> <i>Mke.</i> <i>Pila multijugis</i> H. & A. Ad. <i>ornata</i> H. & A. Ad. <i>scabricosta</i> H. & A. Ad.
241	<b>subquadrata</b> <i>Carp.</i>	257	<b>Bernhardi</b> Récl. <i>N. funiculata</i> <i>Mke.</i> <i>N.</i> — (sp. ined. a.) <i>C.</i> B. Adams. <i>Theliostyla Bernhardi</i> H. and A. Adams.
241	<b>bifilata</b> <i>Carp.</i>	258	<b>Neritina cassiculum</b> Sowb.
242	<b>bifrontia</b> <i>Carp.</i>	259	<b>picta</b> Sowb. <i>Vitta picta</i> H. and A. Ad.
243	<b>perparva</b> <i>C. B. Adams.</i> var. <b>nodosa.</b> <i>V. nodosa</i> <i>Carp.</i>	262	<b>Vanikoro cryptophila</b> <i>Car.</i>
243	<b>exigua</b> <i>C. B. Adams.</i>	264	<b>Trochita ventricosa</b> <i>Carp.</i>
244	<b>coronata</b> <i>Carp.</i>	July, 1856.	
245	<b>? annulata</b> <i>Carp.</i>	265	<b>Galerus conicus</b> <i>Brod.</i> <i>Calyptraea</i> ( <i>Siphopatella</i> ) <i>conica</i> <i>Brod.</i>
245	<b>cincta</b> <i>Carp.</i>	266	<b>mamillaris</b> <i>Brod.</i> <i>Calyptraea</i> ( <i>Siphopatella</i> ) <i>mamillaris.</i> <i>C. regularis</i> <i>C. B. Ad.</i> <i>Lamarckii</i> <i>Mke.</i> ? <i>lichen</i> <i>Brod.</i> <i>G. lichen</i> H. and A. Ad.
246	<b>carinulata</b> <i>Carp.</i>	268	<b>Crepidula aculeata</b> <i>Gmel.</i> <i>Patella aculeata</i> <i>Gmel.</i> <i>fornicata</i> , &c. <i>Ch.</i> <i>La Retorte épineuse</i> Fav. <i>Crepidatella aculeata</i> H. & A. Adams.
246	<b>? naticoides</b> <i>Carp.</i>		
246	<b>? planospirata</b> <i>Carp.</i>		
247	<b>? orbis</b> <i>Carp.</i>		
248	<b>? Liotia carinata</b> <i>Carp.</i>		
248	<b>? striulata</b> <i>Carp.</i>		
249	<b>?? C. B. Adamsii</b> <i>Carp.</i>		
249	<b>? — (sp. ined.)</b>		
250	<b>? Globulus tumens</b> <i>Carp.</i>		

[Carpenter, Mazatlan Shells.]

Page.		Page.	
	<i>Crepidula capensis</i> H. & A. Adams.		<i>Crypta incurva</i> H. & A. A.
	<i>Calyptrea echinus</i> Br.		<i>Crepidula hepatica</i> Mke.
	<i>hystrix</i> Br.	278	<b>Crepidula onyx</b> Sowb.
	<i>Crepidula hystrix</i> Br.		<i>Crypta onyx</i> H. & A. Ad.
	<i>costata</i> Mke.		? <i>Crepidula hepatica</i> C.B.A.
	<i>Californica</i> Nutt.		<i>Crepipatella hepatica</i> H. & A. Adams.
272	<b>Crepidula dilatata</b> Lam.		<i>Calyptrea amygdalus</i> Val.
	[A. Ad.		<i>Crepidula contorta</i> Mke.
	<i>Crepipatella dilatata</i> H. &		<i>Cerithicola</i> Mke.
	<i>Crepidula depressa</i> Desh.	280	<b>nivea</b> C. B. Adams.
	<i>Peruviana</i> Lam.		<i>Crypta nivea</i> H. & A. Ad.
	<i>Crypta Peruviana</i> H. & A. A.		<i>Calyptrea squama</i> Br.
	<i>patula</i> H. & A. A.		<i>Crepidula squama</i> Lam.
	<i>Crepidula patula</i> Desh.		<i>Ianacus squama</i> H. & A. A.
	<i>Adolphei</i> Less.		<i>Crepidula Goreensis</i> Mke.
	<i>Crepipatella Adolphei</i> H. & A. Adams.		<i>striolata</i> Mke.
	<i>Crepidula Nautiloides</i> Less.		<i>Lessonii</i> Br.
	<i>striata</i> Lam.		<i>Ianacus Lessonii</i> H. & A. A.
	<i>Calyptrea striata</i> Br.		<i>unguiculus</i> Sowb.
	<i>Crepipatella striata</i> H. & A. Adams.		<i>Crepidula unguicula</i> Br.
	<i>pallida</i> Br.	284	? <b>unguiformis</b> Lam.
	<i>Crepidula pallida</i> Lam.		<i>Patella crepidula</i> Linn.
	<i>arcuata</i> D'Orb.		<i>unguiformis</i> Lam.
	<i>Calyptrea foliacea</i> Br.		<i>Italica</i> Defr.
	<i>Crepidula Patagonica</i> D'O.		<i>plana</i> Say. [Ad.
273	? <b>dorsata</b> Br. (var.) <b>bilobata</b> .		<i>Ianacus unguiformis</i> H. & A.
	<i>Calyptrea dorsata</i> Br.	287	<b>Crucibulum imbricatum</b>
	<i>excavata</i> Brod.		<i>Sowb.</i>
274	<i>Calyptrea excavata</i> Br.		<i>Calyptrea imbricata</i> Sowb.
	<i>adunca</i> Sowb.		<i>Crucibulum scutellatum</i> Gr.
275	<i>C. solida</i> Hinds.		<i>Patella scutellata</i> Gr.
	<i>Crypta solida</i> H. & A. Ad.		<i>Calyptrea rugosa</i> Less.
	<i>Crepidula rostriformis</i> Gld.		<i>auriculata</i> Carp.
	<i>rostrata</i> C. B. A.		<i>extinctorum</i> Sb.
	<i>Crypta rostrata</i> H. & A. Ad.		<i>Crucibulum extinctorum</i> H. and A. Adams.
	<i>Crepidula uncata</i> Mke.		<i>Calyptrea rugosa</i> Val.
	<i>incurva</i> (var.)		<i>dentata</i> Mke.
	Carp.		<i>auricularis</i> Des.
	<i>Garnotia solida</i> Gray.	Aug. 1856.	
276	<b>incurva</b> Brod.	290	<b>spinosum</b> Sowb.

## [Carpenter, Mazatlan Shells.]

Page.		Page.	
	<i>Calyptrea spinosa</i> Sowb.	308	—— (sp. ined. b.)
	<i>Patella Peziza</i> Wood.	309	<b>Petalocochus macro-</b>
	<i>Calyptrea tubifera</i> Less.		<b>phragma</b> Carp.
	<i>Dispolia tubifera</i> Say.	315	<b>Cæcum insculptum</b> Carp.
	<i>Calyptrea auriculata</i> D'Or.	315	<b>subspirale</b> Carp.
	<i>tenuis</i> Br.	316	<b>abnormale</b> Carp.
	<i>hispidata</i> Br. [Ad.	317	<b>obtusum</b> Carp.
	<i>Crucibulum hispidata</i> H. & A.	317	<b>liratocinctum</b> Carp.
	<i>maculatum</i> H. & A. A.	318	<b>var. tenuiliratum.</b>
	<i>Calyptrea maculata</i> Br.	318	<b>var. subobsoletum.</b>
295	<b>Calyptrea cepacea</b> Br.	318	<b>var. subconicum.</b>
296	<b>Hipponyx serratus</b> Carp.	319	<b>heptagonum</b> Carp.
297	<b>antiquatus</b> Linn.	319	<b>elongatum</b> Carp.
	<i>Patella antiquata</i> Linn.	319	<b>var. semilæve.</b>
	<i>Lepas alba</i> Mart.	320	<b>subimpressum</b> Carp.
	<i>Patella mitrula</i> Gmel.	320	<b>firmatum</b> C. B. Adams.
	<i>nivea</i> Gmel.		<i>C. eburneum</i> C. B. Ad.
	<i>Le Soron</i> Adans.		<i>monstruosum</i> C. B. Ad.
	<i>Pileopsis antiquata</i> F. & H.		<i>pygmæum</i> C. B. Ad.
	<i>Concholepas antiquatus</i> H.		<i>diminuatum</i> C. B. Ad.
	and A. Adams.	322	<b>clathratum</b> Carp.
	<i>Pileopsis mitrula</i> Lam.	322	<b>quadratum</b> Carp.
	<i>Capulus mitrula</i> Dunk.	322	<b>var. compactum.</b>
	<i>Hipponice mitrale</i> Defr.	323	<b>undatum</b> Carp.
	<i>Hipponyx Panamensis</i> C.		? <i>C. parvum</i> C. B. Adams.
	B. Ad. [A. Ad.	Sept. 1856.	
	<i>Amalthea Panamensis</i> H. &	325	<b>læve</b> C. B. Adams.
298	<b>planatus</b> Carp.	326	<b>farcimen</b> Carp.
299	<b>barbatus</b> Sowb.	327	<b>glabriforme</b> Carp.
	? <i>H. australis</i> Mke.	327	<b>corrugulatum</b> Carp.
299	( <i>Amalthea</i> ) <b>Grayanus</b> Mk.	328	<b>dextroversum</b> Carp.
	<i>H. radiata</i> Gr.	329	<b>reversum</b> Carp.
300	<b>Capulus</b> —— (sp. ined.)	329	<b>teres</b> Carp.
301	<b>Aletes centiquadrus</b> Val.	330	<b>Turitella goniostoma</b> Val.
	<i>Vermetus centiquadrus</i> Val.		<i>Haustator goniostoma</i> H. &
	<i>Peronii</i> Val.		A. Adams.
302	<b>var. imbricatus.</b>		<i>T. lentiginosa</i> Rve.
303	<b>margaritarum</b> Val.		<i>Hookeri</i> Mke.
	<i>Vermetus margaritarum</i> Val.	332	<b>tigrina</b> Kien.
304	<b>Vermetus eburneus</b> Rve.		<i>Haustator tigrina</i> H. & A. A.
305	? <b>Bivonia contorta</b> Carp.		<i>T. imbricata</i> Mke.
307	? <b>var. indentata.</b>	333	<b>Cerithium maculosum</b> Kien.
307	<b>albida</b> Carp.		<i>C. adustum</i> Kien.
307	—— (sp. ined. a.)		<i>nebulosum</i> Sowb.



## [Carpenter, Mazatlan Shells.]

Page.		Page.	
334	<b>Cerithium ? famelicum</b> C. <i>B. Adams.</i> <i>C. uncinatum</i> Sowb.	352	<b>Modulus catenulatus</b> Phil. <i>Trochus catenulatus</i> Küst. <i>M. trochiformis</i> Ey. & Soul. <i>Carchedonicus</i> Carp.
334	var. <b>mediolæve.</b> <i>C. unbonatum</i> Sowb.	353	—— (sp. ined.)
335	? <b>uncinatum</b> Gmel. <i>Murex uncinatus</i> Gmel. No. 198 Schr. <i>Strombus muricatus</i> &c. Sc. <i>C. famelicum</i> (pars.) C.B.A.	353	<b>disculus</b> Phil. <i>Trochus disculus</i> Phil. <i>M. duplicatus</i> (var.) A.Ad. <i>dorsuosus</i> Gould.
336	—— (sp. ined. a.)	354	<b>Fossarus tuberosus</b> Carp. <i>? Trichotropis</i> (sp. 1.) [Carp.]
336	<b>alboliratum</b> Carp.	354	<b>angulatus</b> Carp.
337	—— (sp. ined. b.)	355	<b>Isapis maculosa</b> Carp.
337	<b>stercus-muscarum</b> Val. <i>C. irroratum</i> Gould. <i>occellatum</i> Mke.	356	—— (? sp. ined.)
338	<b>interruptum</b> Mke. <i>? C. —</i> (sp. ined.) C.B.A.	356	<b>Rissoina stricta</b> Mke. <i>Rissoa stricta</i> Mke.
339	<b>Vertagus gemmatus</b> Hinds. <i>Cerithium gemmatum</i> Hds. <i>V. gemmatus</i> H. & A. Ad.	357	—— (sp. ined.)
340	—— (sp. ined.)	357	<b>Woodwardii</b> Carp.
341	<b>Triforis alternatus</b> C. B. Ad.	358	<b>lirata</b> Carp.
341	<b>inconspicuus</b> C. B. Ad.	359	<b>Alvania excurvata</b> Carp.
342	? <b>infrequens</b> C. B. Ad.	359	<b>effusa</b> Carp.
342	<b>Cerithidea Montagnei</b> D'O. <i>Cerithium Montagnei</i> D'Or. <i>Reeveanum</i> C. B. A.	360	<b>tumida</b> Carp.
344	<b>varicosa</b> Sowb. (var.) <b>Mazatlanica.</b> <i>C. varicosum</i> Sowb. ? <i>validum</i> C. B. Ad.	360	—— (sp. ined.)
346	<b>Littorina conspersa</b> Phil. <i>L. puncticulata</i> Phil. <i>Melaraphe puncticulata</i> H. and A. Adams. <i>L. modesta</i> Mke.	360	<b>Cingula</b> —— (sp. ined.)
348	<b>aspera</b> Phil. <i>Melaraphe aspera</i> H. & A. A.	361	<b>Hydrobia ulvæ</b> Penn. <i>Turbo ulvæ</i> Penn. <i>Paludinella stagnalis</i> Midd. <i>? Helix stagnalis</i> Linn.
Oct. 1856.		361	—— (sp. ined.)
349	<b>Philippii</b> Carp.	362	<b>Jeffreyssia bifasciata</b> Carp.
350	—— (sp. ined.)	362	? <b>Alderii</b> Carp.
351	<b>Littorina fasciata</b> Gray. <i>Melaraphe fasciata</i> Gr.	363	<b>tumens</b> Carp.
		363	? —— (sp. ined.)
		364	<b>Truncatella</b> —— (sp. ined.)
		364	<b>Planaxis nigrifella</b> Forbes. <i>Pl. acutus</i> Mke. <i>obsoletus</i> Mke.
		366	<b>Alaba supralirata</b> Carp.
		367	<b>violacea</b> Carp.
		367	<b>terebralis</b> Carp.
		368	<b>alabastrites</b> Carp.
		368	<b>scalata</b> Carp.

## [Carpenter, Mazatlan Shells.]

Page.		Page.
368	<b>Alaba ? conica</b> <i>Carp.</i>	Nov. 1856.
369	? <b>mutans</b> <i>Carp.</i>	385 <b>Myurella Hindsi</b> <i>Carp.</i>
369	? <b>laguncula</b> <i>Carp.</i>	386 <b>subnodosa</b> <i>Carp.</i>
370	? ——— (sp. ined. a.)	386 <b>rufocinerea</b> <i>Carp.</i>
370	? ——— (sp. ined. b.)	387 <b>Subula luctuosa</b> <i>Hinds.</i>
370	<b>Ovula variabilis</b> <i>C. B. Ad.</i>	<i>Terebra luctuosa</i> <i>Hinds.</i>
	<i>O. Californica</i> <i>Sowb.</i>	<i>Hastula luctuosa</i> <i>H. &amp; A. A.</i>
371	<b>Cypræa exanthema</b> <i>Linn.</i>	388 <b>Euryta fulgurata</b> <i>Phil.</i>
	<i>C. zebra</i> <i>Linn.</i>	<i>Terebra arguta</i> <i>Gould.</i>
	<i>cervinetta</i> <i>Kien.</i>	389 <b>aciculata</b> <i>Lam.</i> [Lam.]
	<i>cervus</i> (var.) <i>Rve.</i>	? <i>Buccinum aciculatum</i>
Oct. 1856.		<i>Terebra aciculata</i> <i>Gr.</i>
373	<b>Luponia ? spurca</b> <i>Linn.</i>	390 <b>Pleurotoma funiculata</b> <i>Val.</i>
	<i>Cypræa spurca</i> <i>Linn.</i>	<i>P. olivacea</i> (var.) <i>Rve.</i>
	<i>flaveola</i> <i>Lam.</i>	<i>Surcula funiculata</i> <i>H. &amp; A.</i>
	<i>acicularis</i> <i>Gmel.</i>	391 <b>maculosa</b> <i>Sowb.</i> [Ad.]
373	<b>Aricia arabicula</b> <i>Lam.</i>	<i>Drillia maculosa</i> <i>H. &amp; A. A.</i>
	<i>Cypræa arabicula</i> <i>Lam.</i>	392 <b>Drillia incrassata</b> <i>Sowb.</i>
	? <i>punctulata</i> <i>Gr.</i>	<i>Pleurotoma incrassata</i> <i>Sb.</i>
375	<b>Trivia pustulata</b> <i>Lam.</i>	<i>Crassispira incrassata</i> <i>H.</i>
	<i>Cypræa pustulata</i> <i>Lam.</i>	& <i>A. Adams.</i>
	<i>Pustularia pustulata</i> <i>H. &amp;</i>	<i>Pleurotoma Bottz</i> <i>Kien.</i>
376	<b>radians</b> <i>Lam.</i> [A. Ad.]	393 <b>rudis</b> <i>Sowb.</i>
	<i>Cypræa radians</i> <i>Lam.</i>	<i>Pleurotoma rudis</i> <i>Sowb.</i>
	<i>oniscus</i> <i>Wood.</i>	<i>Crassispira rudis</i> <i>H. &amp; A. A.</i>
377	<b>Solandri</b> <i>Gray.</i>	393 <b>aterrima</b> <i>Sowb.</i> var. <b>Mel-</b>
	<i>Cypræa Solandri</i> <i>Sowb.</i>	<b>chersi.</b>
378	<b>sanguinea</b> <i>Gr.</i>	<i>Pleurotoma aterrima</i> <i>Sowb.</i>
	<i>Cypræa sanguinea</i> <i>Sowb.</i>	<i>Crassispira aterrima</i> <i>H. &amp;</i>
	<i>fusca</i> <i>Gray.</i>	<i>A. Adams.</i>
379	<b>pulla</b> <i>Gaskoin.</i>	? <i>Pleurotoma maura</i> <i>Val.</i>
	<i>C. pulla</i> <i>Gaskoin.</i>	<i>Melchersi</i> <i>Mke.</i>
379	<b>subrostrata</b> <i>Gray.</i>	? <i>discors</i> <i>Sowb.</i>
	<i>Cypræa subrostrata</i> <i>Sowb.</i>	? <i>atrior</i> <i>C. B. A.</i>
380	<b>Cancellaria urceolata</b> <i>Hind.</i>	<i>rustica</i> <i>Carp.</i>
	<i>C. obesa</i> <i>Carp.</i>	394 ? <b>cerithioidea</b> <i>Carp.</i>
	? <i>ovata</i> <i>Mke.</i>	395 <b>zonulata</b> <i>Rve.</i>
380	<b>goniostoma</b> <i>Sowb.</i>	<i>Pleurotoma cincta</i> <i>Sowb.</i>
381	<b>Strombus galeatus</b> <i>Swains.</i>	<i>zonulata</i> <i>Rve.</i>
	<i>S. galea</i> <i>Wood.</i>	<i>Crassispira zonulata</i> <i>H. &amp;</i>
	<i>crenatus</i> <i>Sowb.</i>	395 <b>monilifera</b> <i>Carp.</i> [A. Ad.]
382	<b>granulatus</b> <i>Swains.</i>	396 <b>albovallosa</b> <i>Carp.</i>
383	<b>gracilior</b> <i>Sowb.</i>	397 <b>albonodosa</b> <i>Carp.</i>
384	<b>Myurella albo-cincta</b> <i>Carp.</i>	397 <b>luctuosa</b> <i>Hinds.</i>

## [Carpenter, Mazatlan Shells.]

Page.		Page.	
	<i>Clavatulula luctuosa</i> Hinds.		<i>Pyramidella conica</i> C. B. A.
	<i>Pleurotoma luctuosa</i> Rve.	410	<b>Odostomia sublirulata</b> Car.
	<i>Crassispira luctuosa</i> H. &	410	—— (sp. ined.)
	A. Adams.	411	<i>lamellata</i> Carp.
398	? <b>Hanleyi</b> Carp.	411	<i>subsulcata</i> Carp.
398	—— (sp. ined.)	411	<i>vallata</i> Carp.
398	—— (sp. ined.)	412	<b>mammillata</b> Carp.
399	<b>Clathurella rava</b> Hinds.	412	<i>tenuis</i> Carp.
	<i>Clavatulula rava</i> Hinds.	413	<b>Auriculina</b> —— (sp. ined. a.)
	<i>Defrancia rana</i> H. & A. A.	413	—— (sp. ined. b.)
	? <i>Pleurotoma rava</i> Rve.	413	—— (sp. ined. c.)
400	<i>aurea</i> Carp.	413	<b>Parthenia scalariformis</b> Cp.
400	<b>Mangelia</b> ? <i>acuticostata</i>	414	<i>quinquecincta</i> Carp.
	var. <i>subangulata</i> .	414	<i>lacunata</i> Carp.
401	<b>Cithara</b> —— (sp. ined.)	415	<i>armata</i> Carp.
401	<b>Conus regularis</b> Sowb.	415	<i>exarata</i> Carp.
	<i>Leptoconus regularis</i> H. &	416	<i>chryziphina</i> Carp.
402	<b>purpurascens</b> Br. [A. Ad.	417	<b>Chrysallida ovata</b> Carp.
	<i>Chelyconus purpurascens</i> H.	417	<i>nodosa</i> Carp.
	and A. Adams.	418	<i>rotundata</i> Carp.
	<i>Conus comptus</i> Gould.	418	<i>oblonga</i> Carp.
	? <i>interruptus</i> Br. & S.	419	<b>communis</b> C. B. Ad.
403	<b>regalitatiss</b> Sowb.		<i>Chemnitzia communis</i> C. B.
	? <i>C. achatinus</i> Mke.		Adams.
	? <i>purpurascens</i> (var.)	Dec. 1856.	
	<i>Chelyconus regalitatiss</i> H. &	421	<b>telescopium</b> Carp.
404	<b>arenatus</b> Brug. [A. Ad.	422	<b>Reigeni</b> Carp.
404	<b>puncticulatus</b> Hwass.	422	<i>effusa</i> Carp.
	<i>Chelyconus puncticulatus</i>	423	<i>fasciata</i> Carp.
	H. and A. Adams.	423	<b>ovulum</b> Carp.
405	<b>gladiator</b> Brod.	424	<b>clathratula</b> C. B. Adams.
	<i>Rhizoconus gladiator</i> H. &		<i>Chemnitzia clathratula</i> C.
405	<b>nux</b> Brod. [A. Ad.	424	<b>convexa</b> Carp. [B. Ad.
	<i>Coronaxis nux</i> H. & A. Ad.	425	<b>Photis</b> Carp.
406	? <b>scalaris</b> Val.	425	<i>indentata</i> Carp.
406	—— (sp. ined.)	426	? <i>clausiliformis</i> Carp.
407	<b>Torinia</b> ? <i>variegata</i> Lam.	427	<b>Chemnitzia</b> ? <b>Panamensis</b>
	<i>Solarium variegatum</i> Lam.		C. B. Adams.
	<i>Trochus perspectiviunculus</i>	427	<b>C. B. Adamsi</b> Carp.
	Chemn.	428	<i>similis</i> C. B. Ad.
	<i>Euomphalus radiatus</i> Mke.	428	<i>aculeus</i> C. B. Ad.
408	? <b>granosa</b> Val.	428	<i>muricata</i> Carp.
409	<b>Obeliscus</b> ? <b>conicus</b> (jun.)	429	? <i>affinis</i> C. B. Ad.
	C. B. Adams.	429	<i>prolongata</i> Carp.

[Carpenter, Mazatlan Shells.]

Page.		Page.
430	<b>Chemnitzia gibbosa</b> <i>Carp.</i>	445 <b>Cerithiopsis assimilata</b> <i>C.</i>
430	—— (sp. ined. <i>a.</i> )	<i>B. Adams.</i>
430	—— (sp. ined. <i>b.</i> )	<i>Cerithium assimilatum</i> <i>C.</i>
430	—— (sp. ined. <i>c.</i> )	<i>B. Adams.</i>
431	—— (sp. ined. <i>d.</i> )	446 <b>Scalaria hexagona</b> <i>Sowb.</i>
431	<b>gracillima</b> <i>Carp.</i>	<i>Clathrus hexagonus</i> <i>H. &amp; A.</i>
431	<b>undata</b> <i>Carp.</i>	446 <b>suprastrata</b> <i>Carp.</i> [Ad.]
432	<b>flavescens</b> <i>Carp.</i>	447 ——— (sp. ined. <i>a.</i> )
432	<b>terebralis</b> <i>Carp.</i>	447 ——— (sp. ined. <i>b.</i> )
433	<b>tenuilirata</b> <i>Carp.</i>	447 <b>raricostata</b> <i>Carp.</i>
433	<b>unifasciata</b> <i>Carp.</i>	447 <b>Circotrema funiculata</b> <i>Car.</i>
434	<b>Dunkeria paucilirata</b> <i>Carp.</i>	448 <b>Natica maroccana</b> <i>Chemn.</i>
434	<b>subangulata</b> <i>Carp.</i>	<i>Nerita maroccana</i> <i>Chemn.</i>
435	<b>cancellata</b> <i>Carp.</i>	<i>marochiensis</i> <i>Gm.</i>
435	<b>intermedia</b> <i>Carp.</i>	<i>glauцина</i> <i>Linn.</i>
436	? <b>Eulimella obsoleta</b> <i>Carp.</i>	<i>Natica marochienis</i> <i>Rve.</i>
436	—— (sp. ined. <i>a.</i> )	<i>intermedia</i> <i>Phil.</i>
436	—— (sp. ined. <i>b.</i> )	<i>Poliana</i> <i>Sacchi.</i>
437	—— (sp. ined. <i>c.</i> )	<i>lurida</i> <i>Phil.</i>
437	—— (sp. ined.)	<i>unifasciata</i> <i>Lam.</i>
437	<b>Aclis fusiformis</b> <i>Carp.</i>	<i>Chemnitziana</i> <i>Pfr.</i>
438	<b>tumens</b> <i>Carp.</i>	<i>Chemnitzii</i> <i>Mke.</i>
438	<b>Eulima ? hastata</b> <i>Sowb.</i>	<i>Pritchardi</i> <i>Forb.</i>
438	—— (sp. ined. <i>a.</i> )	? <i>iostoma</i> <i>Mke.</i>
438	—— (sp. ined. <i>b.</i> )	<i>Neverita Chemnitzii</i> <i>H. &amp;</i>
439	<b>Leiostraca ? recta</b> <i>C. B. A.</i>	450 ——— (sp. ined.) [A. Ad.]
	<i>Eulima recta</i> <i>C. B. Ad.</i>	451 <b>Lunatia tenuilirata</b> <i>Carp.</i>
439	? <b>solitaria</b> <i>C. B. Adams.</i>	451 ——— (sp. ined. <i>a.</i> )
	<i>E. solitaria</i> <i>C. B. Adams.</i>	451 ——— (sp. ined. <i>b.</i> )
439	—— (sp. ined. <i>a.</i> )	451 ——— (sp. ined. <i>c.</i> )
440	—— (sp. ined. <i>b.</i> )	452 <b>Polinices uber</b> <i>Val.</i>
440	<b>linearis</b> <i>Carp.</i>	<i>Natica uber</i> <i>Val.</i>
440	? <b>iota</b> (var.) <b>retexta.</b>	? <i>alabaster</i> <i>Rve.</i>
441	? <b>distorta</b> (var.) <b>yod.</b>	453 <b>Lamellaria</b> —— (sp. ined. <i>a.</i> )
	<i>Melania distorta</i> <i>Phil.</i>	453 ——— (sp. ined. <i>b.</i> )
	<i>E. distorta</i> <i>Desh.</i>	453 <b>Ficula ventricosa</b> <i>Sowb.</i>
442	<b>Cerithiopsis tuberculoides</b>	<i>Pyrula ventricosa</i> <i>Sowb.</i>
443	var. <b>albonodosa.</b> [Carp.]	<i>Bulla decussata</i> <i>Wood.</i>
443	<b>cerea</b> <i>Carp.</i>	<i>Ficula decussata</i> <i>Rve.</i>
443	<b>pupiformis</b> <i>Carp.</i>	454 <b>Argobuccinum nodosum</b>
444	<b>sorex</b> <i>Carp.</i>	<i>Triton nodosum</i> <i>Mke.</i> [Ch.]
444	<b>conveza</b> <i>Carp.</i>	<i>Murex argus</i> (var. <i>b.</i> ) <i>Gm.</i>
Jan. 1857.		<i>T. Chemnitzii</i> <i>Gray.</i>
445	<b>Cerithiopsis decussata</b> <i>Car.</i>	<i>Fusus Wiegmanni</i> <i>Ant.</i>

## [Carpenter, Mazatlan Shells.]

Page.		Page.	
	<i>Lagena Wiegmanni</i> H. & A. Adams.	469	<b>Olivella tergina</b> Ducl.
	<i>Cassidaria setosa</i> Hinds?		<i>Oliva tergina</i> Ducl.
	<i>T. perforatus</i> Conrad.	469	<b>anzora</b> Ducl.
456	<b>Turbinella cæstus</b> Br.		<i>Oliva anzora</i> Ducl.
	<i>Vasum cæstus</i> H. & A. Ad.	470	? <b>petiolita</b> (var.) <b>aureo-</b> <b>cincta.</b>
	<i>Turbinella ardeola</i> Val.		? <i>Oliva petiolita</i> Ducl.
Jan. 1857.		470	<b>inconspicua</b> C. B. Adams.
457	<b>Lathirus ceratus</b> Gr.		<i>Oliva inconspicua</i> C. B. A.
	<i>Murex ceratus</i> Gray.	471	<b>dama</b> Mawe.
	<i>Turbinella cerata</i> Gray.		<i>Voluta dama</i> Mawe.
457	<b>Leucozonia cingulata</b> Lam.		<i>Oliva lineolata</i> Gray.
	<i>Monoceros cingulatum</i> Lam.		<i>purpurata</i> Swains.
	<i>Buccinum cingulatum</i> Wood.		<i>gracilis</i> Ducl.
	<i>Turbinella cingulata</i> Kien.		<i>Olivella lineolata</i> H. & A.
458	<b>Fasciolaria princeps</b> Sowb.	471	<b>zonalis</b> Lam. [Ad.
	<i>F. aurantiaca</i> Sowb.		<i>Oliva zonalis</i> Lam.
459	<b>Mitra lens</b> Mawe.	472	<b>Agaronia testacea</b> Lam.
	<i>Voluta lens</i> Wood.		<i>Oliva testacea</i> Lam.
	<i>Tiara foraminata</i> Swains.		<i>hiatula pars</i> Ducl.
	<i>M. Dupontii</i> Kien.		<i>Agaronia hiatula</i> H. & A. A.
461	<b>Strigatella tristis</b> Br.	474	<b>Purpura patula</b> Linn.
	<i>Mitra tristis</i> Br.		<i>Buccinum patulum</i> Linn.
	<i>amphorella</i> Carp.		<i>Le Pakel</i> Adans.
461	<b>Marginella minor</b> C. B. Ad.	475	<b>columellaris</b> Lam.
	<i>Gibberula minor</i> H. & A. A.	476	<b>muricata</b> Gray.
462	<b>polita</b> Carp.		<i>Monoceros muricatum</i> Rve.
462	<b>margaritula</b> Carp.		<i>P. cassidiformis</i> D'Orb.
463	<b>Oliva angulata</b> Lam.		<i>truncata</i> Ducl.
	<i>Voluta incrassata</i> Dillw.	477	<b>biserialis</b> Blainv.
	<i>Strephona incrassatus</i> H.		<i>P. bicostalis</i> Rve.
464	<b>Melchersi</b> Mke. [& A. A.		<i>undata</i> Val.
	<i>O. angulata</i> Carp.		<i>hæmastoma</i> Mke.
465	<b>intertincta</b> ? Carp.		<i>consul</i> Mke.
466	? <b>venulata</b> Lam.	479	<b>triserialis</b> Blainv.
	<i>O. araneosa</i> C. B. Ad.		<i>P. speciosa</i> Rve.
	? <i>Julieta</i> Mke.		<i>centiquadra</i> Val.
	<i>reticularis</i> (var.) Rve.		<i>Thalessa speciosa</i> H. & A.
467	<b>Duclosi</b> Rve.		Adams.
467	<b>Olivella undatella</b> Lam.	480	<b>triangularis</b> Blainv.
	<i>Oliva undatella</i> Lam.		<i>P. Carolensis</i> Rve. [Ad.
	<i>Voluta tenebrosa</i> Wood.		<i>Tribulus Carolensis</i> H. & A.

## [Carpenter, Mazatlan Shells.]

Page.		Page.	
481	<b>Cuma kiosquiformis</b> Ducl. <i>Purpura kiosquiformis</i> Duc. <i>scalariformis</i> D'Or — (sp. ined.) C.	496	<i>Phrontis xanthostoma</i> H. &
482	<b>costata</b> Blainv. [B. Ad. <i>P. costata</i> Blainv. <i>diadema</i> Lam.	496	<b>Nassa tegula</b> Rve. [A. Ad.
484	<b>Rhizocheilus nux</b> Rve. <i>Murex nux</i> Rve.	496	var. <b>nodulifera</b> Phil. [Ad.
485	<b>Vitularia salebrosa</b> King. <i>Murex salebrosus</i> King. <i>Fusus salebrosus</i> Forbes. <i>Murex vitulinus</i> Gray.	497	<i>Phrontis nodulifera</i> H. & A.
487	<b>Nitidella cribraria</b> Lam. <i>Buccinum cribrarium</i> Lam. <i>Columbella cribraria</i> Sowb. <i>Mitrella cribraria</i> H. & A. A. <i>Voluta ocellata</i> Gmel. <i>Le Barnet</i> Adans. <i>B. parvulum</i> Dunk. <i>C. mitriformis</i> Br. & King. <i>guttata</i> Sowb.	497	(? <b>Pagodus</b> var.) <b>acuta</b> :
488	— (sp. ined.)	498	— (sp. ined. a.)
489	<b>Columbella major</b> Sowb. <i>C. strombiformis</i> (var.) <i>paytalida</i> Ducl. [Kien. <i>? gibbosa</i> Val.	498	— (sp. ined. b.)
490	<b>strombiformis</b> Lam. <i>Buccinum strombiforme</i> <i>? C. gibbosa</i> Val. [Wood.	498	— (sp. ined. c.)
492	<b>fuscata</b> Sowb. <i>C. meleagris</i> Kien. <i>rustica pars</i> Sowb.	498	— (sp. ined. d.)
March, 1857.		498	— (sp. ined. e.)
493	<b>cervinetta</b> Carp.	498	? <b>gemmulosa</b> C. B. Ad.
493	<b>cervinetta</b> (var.) <b>obso-</b> <b>leta</b> .	498	<i>Niotha gemmulosa</i> H. & A.
493	? <b>Metula</b> — (sp. ined. a.)	499	? <b>versicolor</b> C. B. Ad. [A.
494	? <b>Metula</b> — (sp. ined. b.)	499	<i>Uzita versicolor</i> H. & A. A.
494	? <b>Metula</b> — (sp. ined. c.)	499	<b>crebristriata</b> Carp.
494	? <b>Metula</b> — (sp. ined. d.)	499	— (sp. ined. f.)
494	<b>Nassa luteostoma</b> Br. & S. <i>Buccinum luteostomum</i> Kie. <i>Nassa xanthostoma</i> Gray.	500	— (sp. ined. g.)
		500	— (sp. ined. h.)
		500	— (sp. ined. i.)
		500	<b>Pyrula patula</b> Br. and Sw. <i>Cyrtulus patulus</i> Hinds. <i>Cassidulus patulus</i> H. and A. Adams. <i>P. melongena</i> (var.) Sowb.
		502	<b>Fusus pallidus</b> Br. & Sowb. <i>Pyrula lignaria</i> Rve. <i>F. turbinelloides</i> Rve. <i>lignarius</i> H. and A. Ad. <i>Neptunea pallida</i> H. & A. A.
		503	<b>tumens</b> Carp.
		504	<b>apertus</b> Carp.
		504	— ? (sp. ined. a.)
		504	— ? (sp. ined. b.)
		505	? <b>Cominella</b> — (sp. ined.)
		505	<b>Anachis scalarina</b> Sowb. <i>Columbella scalarina</i> Sowb.
		506	<b>costellata</b> Br. and Sowb. <i>C. costellata</i> Br. & Sowb.
		507	var. <b>pachyderma</b> .
		508	— (sp. ined.)
		508	<b>coronata</b> Sowb. <i>Columbella coronata</i> Sowb.
		509	? <b>fulva</b> Sowb. <i>C. fulva</i> Sowb.

## [Carpenter, Mazatlan Shells.]

Page.		Page.	
509	<b>Anachis nigrofusca</b> Carp.	523	<b>Phyllonotus nitidus</b> Br.
509	<i>serrata</i> Carp.		<i>M. nitidus</i> Br.
510	<b>pygmæa</b> Sowb.	523	<b>brassica</b> Lam.
	<i>C. pygmæa</i> Sowb.		<i>M. brassica</i> Lam.
510	<b>Gaskoini</b> Carp.		<i>ducalis</i> Br.
511	<b>rufotincta</b> Carp.	524	<b>bicolor</b> Val.
512	<b>albonodosa</b> Carp.		<i>M. bicolor</i> Val.
512	— (sp. ined. a.)		<i>erythrostomus</i> Swains.
512	— (sp. ined. b.)		<i>regius</i> Sch. and Wagn.
513	<b>Strombina maculosa</b> Sowb.		<i>hippocastanum</i> Phil.
	<i>Columbella maculosa</i> Sowb.	524	<b>regius</b> Swains.
513	— ? (sp. ined.)		<i>M. regius</i> Swains.
514	<b>Pisania insignis</b> Rve. [Val.		<i>tricolor</i> Val.
	<i>Buccinum mutabile</i> (pars.)	524	<b>princeps</b> Br.
	<i>insignis</i> Rve.		<i>M. princeps</i> Br.
	<i>Tritonidia insignis</i> H. & A. A.	526	<b>Muricidea ? lappa</b> Br.
515	(? <b>Pagodus</b> [var.] <b>æqui-</b>		<i>Murex lappa</i> Br.
	<b>lirata.</b>	526	<b>dubia</b> Swains.
515	<b>gemmata</b> Rve.		<i>Murex dubius</i> Swains.
	<i>B. gemmatum</i> Rve.		<i>aculeatus</i> Wood.
	<i>gemmulatum</i> Mke.	527	? <b>erinaceoides</b> (var.) <b>in-</b>
	<i>undosum</i> Kien. [A. Ad.		<b>dentata.</b>
	<i>Tritonidea gemmatus</i> H. &		<i>Murex erinaceoides</i> Val.
	<i>B. mutabile</i> (pars.) Val.	528	<b>Murex</b> — (sp. ined.)
517	<b>sanguinolenta</b> Ducl.	528	<b>Muricidea pauxillus</b> A. Ad.
	<i>Purpura sanguinolenta</i> Du.		<i>Murex pauxillus</i> A. Ad.
	<i>B. sanguinolentum</i> Mke.		
	<i>Pollia hæmastoma</i> Gr.		(ADDITIONAL SPECIES.)
	<i>B. hæmastoma</i> Rve.	529	? <b>Naranieo scobina</b> Carp.
	<i>Janelii</i> Val.	529	<b>Mya</b> — (sp. ined.)
	<i>Tritonium verrucosum</i> Mke.	530	? <b>Corbula</b> — (sp. ined. b.)
	<i>Tritonidea sanguinolentus</i>	530	<b>Sphænia</b> — (sp. ined.)
518	<b>ringens</b> Rve. [H. & A. Ad.	530	? — (sp. ined.)
	<i>B. ringens</i> Rve.	530	? <b>Lyonsia</b> — (sp. ined.)
	<i>Tritonidea ringens</i> H. & A. A.	531	<b>Tellina</b> — (sp. ined. c.)
518	<b>Murex plicatus</b> Sowb.	531	<b>Cardium rotundatum</b> Carp.
	<i>M. unidentatus</i> Mke.	531	<b>Lasea</b> — (sp. ined.)
519	? <b>recurvirostris</b> (var.)	531	? <b>Montacuta chalconica</b>
	<b>lividus.</b>		Carp.
	<i>M. recurvirostris</i> Br.	532	<b>Arca</b> — (sp. ined. b.)
	<i>messorius</i> Mke.	532	<b>Pecten</b> — (sp. ined. a.)
521	<b>Phyllonotus nigrinus</b> Meus.	532	— (sp. ined. b.)
	<i>Murex nigrinus</i> Phil.	533	<b>Smaragdinella thecaphora</b>
	<i>ambiguus</i> Rve.		Nutt.

## APPENDIX.

[Carpenter, Mazatlan Shells.]

Page.		Page.	
534	<i>Corbula alba Phil.</i>	535	<i>Siphonaria Lecanium Phil.</i>
534	<i>Tellina cicercula Phil.</i>	535	<i>Trochus disculus Phil.</i>
534	<i>lenticula Phil.</i>	535	<i>Buccinum nucleolus Phil.</i>
534	<i>dichotoma Phil.</i>	535	<i>Terebra fulgurata Phil.</i>
534	<i>ervilia Phil.</i>	535	<i>Columbella pallida Phil.</i>
534	<i>Diplodonta obliqua Phil.</i>	535	<i>spadicea Phil.</i>
534	<i>Lucina cancellaris Phil.</i>	535	<i>tæniata Phil.</i>
535	<i>Patella pediculus Phil.</i>	536	<i>Dentalium hyalinum Phil.</i>

[Here follows a copy of Menke's List of Mazatlan Shells, from Zeit. F. Mal. 1847-51. Descriptions are given of the following.—W. G. B.]

Page.		Page.	
536	<i>Natica iostoma Mke.</i>	June, 1857.	
536	<i>Buccinum gilvum Mke.</i>	541	<i>Planaxis acutus Mke.</i>
537	<i>Erato columbella Mke.</i>	541	<i>obsoletus Mke.</i>
537	<i>Crepidula costata Sowb.</i>	541	<i>Euomphalus radiatus Mke.</i>
537	<i>hepatica Desh.</i>	541	<i>Trochus (Calcar) Mel-</i>
538	<i>uncata Mke.</i>		<i>chersi Mke.</i>
538	<i>Fissurella chlorotrema</i>	541	<i>versicolor Mke.</i>
538	<i>humilis Mke. [Mke.]</i>	542	<i>ligulatus Mke.</i>
538	<i>gemmata Mke.</i>	542	<i>Rissoa stricta Mke. [Mke.]</i>
538	<i>Acmæa mitella Mke.</i>	542	<i>Cerithium interruptum</i>
538	<i>Mytilus spatula Mke.</i>	543	<i>Columbella nasuta Mke.</i>
539	<i>Modiola semilævis Mke.</i>	543	<i>Terpsichore Sowb.</i>
539	<i>Cytherea semifulva Mke.</i>	544	<i>Pleurotoma Melchersi</i>
539	<i>chionæa Mke.</i>	544	<i>Oliva Melchersi Mke. [Mke.]</i>
540	<i>Bulla Adamsi Mke.</i>	545	<i>Crepidula striolata Mke.</i>
540	<i>Natica ovum Mke.</i>	546	<i>Acmæa mutabilis Mke.</i>
540	<i>Nerita funiculata Mke.</i>	546	<i>fascicularis Mke.</i>
		546	<i>mesoleuca Mke.</i>

## ADDITIONS AND CORRECTIONS.

Page.	
547	To p. 2 <i>et passim Imperator</i> = <b>Uvanilla.</b>
547	“ 7 <i>Spondylus Lamarckii</i> = <b>S. calcifer.</b>
547	“ 17 <i>Petricola sinuosa</i> Conrad = <b>P. robusta.</b>
547	“ 21 <i>Corbula bicarinata</i> = <b>C. alba?</b>
547	“ 25 <i>Tyleria fragilis</i> H. and A. Adams.
548	“ 26 <i>Semele proxima</i> = <b>S. flavescens Gould.</b>
548	“ 31 <i>Sanguinolaria purpurea</i> = <b>S. miniata Gould (Tellina.)</b>



Page.

548	To p. 39	<i>Tellina Burneti</i> = <b>Tellidora.</b>
548	" 43	<i>Donax culminatus</i> = <b>D. rostratus</b> C. B. Adams.
548	" 44	<b>Donax flexuosus</b> Gould (sp. distinct.)
548	" 50	<i>Lutraria ventricosa</i> = <b>Mactra exoleta.</b>
549	" 52	<i>Gnathodon trigona</i> Pet. = <b>G. mendicus</b> Gould.
549	" 58	<i>Cytherea æquilatera</i> Desh. = <b>Trigona argentina.</b>
549	" 80	? <i>Venus succincta</i> Val. = <b>Anomalocardia subimbri-</b> <b>cata.</b>
549	" 90	<i>Hipponix tessellatus</i> = <b>H. serratus.</b>
550	" 135	<i>Arca trapezia</i> = <b>A. tuberculosa.</b>
550	" 149	<i>Margaritiphora Mazatlanica</i> = <b>M. fimbriata</b> Dunk.
550	" 159	<b>Ostrea palmula</b> (sp. distinct.)
550	" 169	<b>Naranio</b> —— (sp. ined.)
550	" 182	<i>Siphonaria æquilorata</i> = <b>S. Lecanium.</b>
551	" 220	<i>Fissurella mus</i> = <b>Glyphis inæqualis.</b>
552	" 358	<i>Rissoa lirata</i> = <b>Barleeia lirata.</b>
552	" 388	<i>Terebra fulgurata</i> = <b>Euryta fulgurata.</b>

[Other important corrections and additions have not been noticed by me. They must be consulted by the student. Indeed, it has been impossible to quote this work as exactly as the others of my Bibliography, owing to the thoroughness of the references, comparisons, &c.—W. G. B.]

**Agassiz.**—Ueber die Gattungen unter den nordamericanischen Najaden. Briefliche Mittheilung and en Herausgeber in: Archiv. f. Naturg. 18 Jahrg. 1852. 1 Bd., p. 41.

Page.	§ 1.	Page.	§ 2.
43	<b>Dysnomia</b> Ag.	47	<b>Micromya</b> Ag.
43	<b>Scalenaria</b> Raf.	47	<b>Crypogenia</b> Ag.
44	<b>Truncilla</b> Raf.	48	<b>Plagiola</b> Raf.
44	<b>Lampsilis</b> Raf.	48	<b>Orthonymus</b> Ag.
44	<b>Canthyrina</b> Swains.	48	<b>Tritogonia</b> Raf.
45	<b>Eurynia</b> Raf.	48	<b>Quadrula</b> Raf.
45	<b>Metaptera</b> Raf.	48	<b>Rotundaria</b> Raf.
46	<b>Alasmodonta</b> Say.	48	<b>Complanaria</b> Swains.
46	<b>Obovaria</b> Raf.	49	<b>Pleurobema</b> Raf.
		49	<b>Uniopsis</b> Swains.
		49	<b>Margaritana</b> Sch.
		50	<b>Hemilastena</b> Raf.

[The above is a very imperfect quotation of the paper, which must be consulted by the student.—W. G. B.]

**Agassiz, Siebold.**—Ueber das Wassergefäßsystem der Mollusken. Eine briefliche Mittheilung von L. AGASSIZ an C. TH. v. SIEBOLD. (From Zeits. für Wissenschaftliche Zoologie, 7 Band, p. 176. Leipsig, 1856.)

**Sullivant.**—An Alphabetical Catalogue of Shells, Fossils, Minerals, and Zoophytes, in the cabinet of JOSEPH SULLIVANT, Curator of the Philosophical and Historical Society of Ohio. Columbus, Ohio, 1838. (8vo. pp. 38.)

[The only species of Shells for which the locality is given are the following.—W. G. B.]

Page.		
9	<b>Unio alatus</b> Say.	Scioto river.
9	<b>catillus</b> Conrad.	Scioto river.
9	<b>circulus</b> Lea.	Scioto river.
9	<b>coccineus</b> Hildreth.	Scioto river.
9	<b>Cooperianus</b> Lea.	Scioto river.
9	<b>cornutus</b> Barnes.	Scioto river.
9	<b>crassus</b> Say.	Scioto river.
9	<b>cylindricus</b> Say.	Scioto river.
9	<b>dehiscens</b> Say.	Scioto river.
9	<b>dolabraformis</b> Lea.	Scioto river.
9	<b>elegans</b> Lea.	Scioto river.
9	<b>ellipsis</b> Lea.	Scioto river.
9	<b>foliatus</b> Hildreth.	Scioto river.
9	<b>gibbosus</b> Barnes.	Scioto river.
9	<b>glans</b> Lea.	Scioto river.
9	<b>Gouldianus</b> Ward.	Scioto river.
9	<b>Hildrethianus</b> Lea.	Ohio river.
9	<b>iris</b> Lea.	Scioto river.
9	<b>irroratus</b> Lea.	Scioto river.
10	<b>lachrymosus</b> Lea.	Scioto river.
10	<b>lapillus</b> Say.	Scioto river.
10	<b>lævissimus</b> Lea.	Scioto river.
10	<b>lens</b> Lea.	Scioto river.
10	<b>luteolus</b> Lam.	Scioto river.
10	<b>monodonta</b> Say.	Ohio and Scioto rivers.
10	<b>multiplicatus</b> Lea.	Scioto.
10	<b>multiradiatus</b> Lea.	Scioto.
10	<b>mytiloides</b> Raf.	Scioto.
10	<b>nasutus</b> Say.	Walhonding.
10	<b>nexus</b> Say.	Alabama.

10	<b>Unio obliquus</b> <i>Lam.</i>	Scioto.
10	<b>occidens</b> <i>Lea.</i>	Scioto.
10	<b>ochraceus</b> <i>Say.</i>	Eastern waters.
10	<b>ovatus.</b>	Scioto.
10	<b>parvus.</b>	Scioto.
10	<b>patulus.</b>	Scioto.
10	<b>penatus</b> <i>Conrad.</i>	Alabama.
10	<b>perdix</b> <i>Lea.</i>	Alabama.
10	<b>perplexus.</b>	Scioto river.
10	<b>pileus</b> <i>Lea.</i>	Ohio.
10	<b>plicatus.</b>	Scioto.
10	<b>purpurens.</b>	Scioto.
10	<b>pustulatus</b> <i>Lea.</i>	Scioto.
10	<b>pustulosus</b> <i>Lea.</i>	Scioto.
10	<b>pyramidatus</b> <i>Lea.</i>	Scioto.
10	<b>radiatus</b> <i>Lea.</i>	Scioto.
10	<b>Rangianus</b> <i>Lea.</i>	Scioto.
10	<b>rectus</b> <i>Lam.</i>	Scioto.
10	<b>retusus</b> <i>Lam.</i>	Scioto.
10	<b>ridibundus</b> <i>Say.</i>	Ohio river.
10	<b>rubiginosus</b> <i>Lea.</i>	Scioto.
10	<b>solida</b> <i>Lea.</i>	Scioto.
10	<b>tenuissimus</b> <i>Lea.</i>	Scioto river.
10	<b>triangularis</b> <i>Say</i> (?)	Scioto.
10	<b>trigonus.</b>	Scioto.
10	<b>tuberculatus.</b>	Scioto.
10	<b>undulatus</b> <i>Barnes.</i>	Scioto.
11	<b>verrucosus.</b>	Scioto.
11	<b>Alasmodonta calceola</b> <i>Lea.</i>	Scioto river.
11	<b>Anodonta incerta</b> <i>Lea.</i>	Scioto river.



PART I.

AMERICAN AUTHORS.

---

B.—WRITINGS ON FOREIGN SPECIES.

---



# BIBLIOGRAPHY

OF

## NORTH AMERICAN CONCHOLOGY.

---

**Bingley.**—Useful Knowledge; or a Familiar and Explanatory Account of the various Productions of Nature, &c. &c., illustrated with numerous figures, &c.: by the Rev. WILLIAM BINGLEY, A. M., F. L. S., &c. In three volumes. Vol. iii, Animals. Philadelphia, 1818.

Pa.	Pl.	Fig.		
292			<b>Sepia officinalis.</b>	Europe.
			<b>Mya margaritifera.</b>	Arctic Circle.
294			<b>Mytilus margaritiferus.</b>	America and India.
296	v	79	<b>edulis.</b>	Indian Seas, &c.
297	v	77	<b>Ostrea edulis.</b>	Indian Seas, &c.
299	v	78	<b>Pecten maximus.</b>	
299	v	80	<b>Cardium edule.</b>	England, &c.
300			<b>Pinna nobilis.</b>	Mediterranean, &c.
301			<b>Helix pomatia.</b>	Europe.

**Barnes.**—Descriptions of five species of Chiton: by D. W. BARNES, M. A. (In Silliman's Journal, o. s., vol. vii, No. 1, p. 69, date of title, 1824.)

Pa.	Pl.	Fig.		
70			<b>Chiton Magellanicus</b> Chemn.	Coast of Peru.
70	iii	1	<b>striatus</b> Barnes.	Coast of Peru.
70	iii	2	<b>Peruvianus</b> Lam. <i>C. crinitus</i> Penn.	Coast of Peru.
71	iii	3	<b>niger</b> Barnes.	Coast of Peru.
71	iii	4	<b>echinatus</b> Barnes.	Coast of Peru.

**Ware.**—Account of the Hybernation of the Snail (*Cochlea pomatia*) and of some other circumstances connected with the Physiology of that animal. Translated and abridged from “Mem. Phys. sur le Colimaçon, par B. Gaspard, M. D.” (Magendie, Journ. de Phys. Exp. et Path.): by J. W. (JOHN WARE?) (From the Boston Journal of Philosophy and the Arts, vol. i, pp. 570–578. Boston, 1824.)

**Eaton.**—The Zoological Text-Book: by AMOS EATON. Albany, 1826.

[Many foreign species are described in this work. They have already been given on pp. 415–417.—W. G. B.]

**Green.**—New species of *Achatina*, with Remarks on the *Ti*, or the *Dracena Terminalis* of the Sandwich Islands: by JACOB GREEN, A. M. (From Contributions to the Maclurian Lyceum of the Arts and Sciences, vol. i, No. 2. Philadelphia, July, 1827.)

Pa.	Pl.	Fig.	
47	iv	1–4	<b><i>Achatina Stewartii</i> Green.</b>
49	iv	5	<b><i>Oahuensis</i> Green.</b>

**Green.**—Remarks on *Achatina Stewartii*: by J. GREEN, &c. (From same as last, vol. i, No. 3, p. 66. Jan. 1829.)

Page.		
87	<b><i>Achatina lugubris</i>.</b>	<i>Helix luteolata</i> Fer.
	<i>Helix lugubris</i> Ch.	<i>vulpina</i> Fer.
	<i>lorata</i> Fer.	<i>Achatina Stewartii</i> Green.

**Green.**—Notes of a Naturalist. Remarks upon some of the Marine Animals which inhabit the North Atlantic Ocean: by JACOB GREEN, M. D. (In Doughty’s Cabinet of Natural History, vol. i, 251. Philadelphia, 1830.)

Page.	
251	<b><i>Cleodora lanceolata</i> Per. and Le S.</b>
252	<b><i>Veleta Atlantica</i> Green = <i>V. mutica</i>?</b>
252	<b><i>Janthina globosa</i>?</b>



**Rafinesque.**—Two new bivalve fluviatile Shells of South America: by C. S. RAFINESQUE. (From the Atlantic Journal and Friend of Knowledge, No. 4. Philadelphia, 1832.)

Page.

154	<b>Anodonta aperta</b> Raf.	River Parana above Buenos Ayres.
154	<b>paphos</b> Raf.	River Parana above Buenos Ayres.

**Rafinesque.**—On three new genera of Land Shells from Buenos Ayres, in South America: by C. S. RAFINESQUE. (From same as last, No. 5, p. 165. 1833.)

Page.

165	<b>Simphalompnix</b> Raf. (n. g.)	
165	<b>bonariensis</b> Raf.	Buenos Ayres.
165	<b>Stegompnix</b> Raf. (n. g.)	
165	<b>elegans</b> (Cyclostoma) Raf.	Buenos Ayres.
165	<b>Diplicaria</b> Raf. (n. g.)	
165	<b>bonariensis</b> Raf.	Buenos Ayres.

**Rafinesque.**—On five new Fresh-Water Shells of Bengal and Assam, in Asia: by C. S. RAFINESQUE. (From same as last.)

Page.

165	<b>Planorbis albescens</b> Raf.
165	<b>Paludina vitula</b> Raf.
165	<b>fragilis</b> Raf.

Page.

166	<b>Melania tessula</b> Raf.	
166	<b>costula</b> Raf.	Ganges.

**Say.**—Catalogue of Exotic Shells, &c., vide p. 274.

[I do not quote this list, as it is not strictly a work on descriptive Conchology.—W. G. B.]

**Coates.**—Reminiscences of a Voyage to India: by REYNELL COATES, M. D.

[Familiar notices are given of Mollusca. First published in the "Friend." Also published in Philadelphia, 1833, together with Godman's "Rambles of a Naturalist."—W. G. B.]

**Hunt.**—The Cabinet of Nature and Philosophy. Book the First—The Cabinet of Shells: by WILLIAM HUNT, M. D. With four plates. Boston and New York, 1833.

[This work contains descriptions of Classes, Orders, and Genera, with a figure of each genus, and a glossary. There are no descriptions of species.—W. G. B.]

**Jay.**—Catalogue, &c. &c.: by J. C. JAY, M. D. Vide pp. 46, 53, 64, 172, 212, 214, 215. Second edition. 1836.

[The American species are already given. The various editions must be consulted by the student for the numerous foreign species and their synonymy. Descriptions of the following are given.—W. G. B.]

Pa.	Pl.	Fig.		
81	i	1	<i>Pupa ringens Jay.</i>	Brazil.
81	i	4	<i>egregia Jay.</i>	Brazil.
81	i	2	<i>Megaspira Ruschenbergiana Lea.</i>	Brazil.
82	i	3	<i>Bulimus melanostomus.</i>	Brazil?
			<i>B. Dufresnii Wood's Supplement.</i>	
83	ii	5	<i>Cerithium magnum Jay.</i>	
83	ii	6	<i>Ranella.</i>	
85	iii	7	<i>Ampullaria angulata Jay.</i>	Mexico.
85	iii	8	<i>ochracea Jay.</i>	Spanish Main.
85	iii	9	<i>Helix speciosa Jay.</i>	
87	iv	10	<i>Natica imperforata Jay.</i>	
87	iv	11	<i>Neritina papillosa Jay.</i>	

**Jay.**—The same. Third edition. (See p. 218.)

Pa.	Pl.	Fig.		
111	i	1	<i>Bulimus cinctus Jay.</i>	Calcutta.
111	i	2, 3	<i>Turbo rotelliformis Jay.</i>	South Seas.
112	i	4	<i>Ampullaria Brownii Jay.</i>	Amazon.
112	i	5	<i>Storeria Jay.</i>	Amazon.
112	i	6, 7	<i>Helix planorbis Jay.</i>	Togobo Island.
113	i	12, 13	<i>Nucula Eightsii Couth.</i>	N. S. Shetland.
113	i	14, 15	<i>Venerupis Peruviana Jay.</i>	Peru.
113	i	16	<i>Fissurella nigrita? Sowb.</i>	Tiger Bay.
114	i	21	<i>Helix denticulata Jay.</i>	
115	ii	5	<i>Cerithium marmoratum Quoy &amp; Guim.</i>	New Holland?
115	ii	6	<i>Ranella pulchra Gray.</i>	East Indies.
			<i>Biplex perca Perry.</i>	

Pa.	Pl.	Fig.		
116	iii	8	<b>Ampullaria ochracea</b> Jay.	Spanish Main.
116	iii	9	<b>Helix speciosa</b> Jay.	
117	iv	10	<b>Natica fluctuata</b> Sowb. <i>N. imperforata</i> Jay.	
117	iv	11	<b>Neritina granosa</b> Sowb. <i>N. papillosa</i> Jay.	Sandwich Isl'ds.
119	vi	1	<b>Bulimus ustulatus</b> Jay.	
119	vi	2	<b>aurora</b> Jay.	
119	vi	3	<b>Achatina bicolor</b> Jay.	
120	vi	4	<b>Bulimus virgatus</b> Jay.	
120	vi	5	<b>porraceus</b> Jay.	
120	vi	6, 7	<b>Pandora striata</b> Quoy & Guim.	New Zealand.
121	vii	1	<b>Bulimus tristis</b> Jay.	Zanzibar.
121	vii	2, 3	<b>Conus rhododendron</b> Couth.	Australasia.
122	vii	4, 5	<b>Cyclostoma Cumingii</b> Sowb.	Tumaco Island.
122	vii	6	<b>Bulimus dubiosus</b> Jay.	Brazil?
122	vii	7, 8	<b>Cyclostoma multicarinata</b> Jay.	
122	vii	9, 10	<b>maculosa</b> Jay.	
123	vii	12, 13	<b>multilineata</b> Jay.	
124	viii, ix		<b>Dolium melanostomum</b> Jay.	Friendly Isl'ds.
126	x	1, 2	<b>Voluta armata</b> Lam.	

**Ruschenberger.**—A Voyage Round the World, including an Embassy to Muscat and Siam, in 1835-7: by W. S. W. RUSCHENBERGER, M. D., U. S. N. Philadelphia, 1838.

Page.

21	Notes on <i>Janthina fragilis</i> , &c.
447	<i>Tridacna gigas</i> &c.

**Dr. J. C. Jay.**—Reports on the Shells and Minerals presented by Dr. Brickerhoff to the New York Lyceum of Natural History. (From Silliman's Journal, o. s., vol. xxxviii, No. 1, pp. 198-201. Oct.-Dec., 1839.)

[A catalogue of species is given, without descriptions or localities. The paper is quoted by Carus and Engelmann, under the authorship of Brickerhoff.—W. G. B.]

**Couthouy.**—Vide p. 64.

Page.

383	<b>Thracia pubescens</b> Leach, &c.	<i>Mya pubescens</i> Pult.
	<i>Mya declivis</i> Pennant, &c.	<i>Thracia pubescens</i> Blainv.
	<i>Anatina declivis</i> Brown, &c.	<i>Anatina myalis</i> Lam.

Page.		Page.	
383	<b>Thracia convexa</b> <i>Couthouy.</i> <i>Mya declivis</i> Pennant. <i>convexa</i> Wood. <i>Anatina convexa</i> Turt. <i>Ligula distorta</i> Mont?	383	<b>Thracia phaseolina</b> <i>Kien.</i> <i>Amphidesma phaseolina</i> La.
383	<b>corbuloides</b> <i>Desh. &amp;c.</i>	383	<b>similis</b> <i>Couth.</i> Rio Janeiro.
383	<b>plicata</b> <i>Desh. &amp;c.</i>	384	<b>Periploma trapezoides</b> <i>Des.</i> <i>P. inæquivalvis</i> Schum. <i>Anatina trapezoida</i> Lam. <i>Osteodesma trapezoidalis</i> Bl.

**Rafinesque.**—On the three genera of Cephalopodes—*Ocythoe*, *Todarus* and *Anisoctus*. From the Good Book and Amenities of Nature; or Annals of Historical and Natural Sciences: by C. S. RAFINESQUE, A. M., Ph.D. Philadelphia, 1840.

Notes on—

Page.		Page.	
63	<b>Ocythoe</b> <i>Raf.</i>		<i>Loligo todarus</i> <i>Raf.</i>
63	<b>Todarus</b> <i>Raf.</i>	65	<i>Canopus</i> <i>Raf.</i> = <b>Anisoctus</b> <i>Raf.</i>
63	<b>Anisoctus</b> <i>Raf.</i>	65	<b>Anisoctus punctatus</b> <i>Raf.</i>
63	<b>Ocythoe tuberculata</b> <i>Raf.</i>	65	<b>bicolor</b> <i>Raf.</i>
64	<b>Todarus argo</b> <i>Raf.</i> Mediterranean Sea.		

[References are made to figures, but I find no plates in the copy belonging to the Philadelphia Academy.—W. G. B.]

**Adams.**—Catalogue of the genera and species of Recent Shells in the collection of C. B. ADAMS, A. M.

[The American species described in this Catalogue have already been given on page 325. I do not quote the foreign species, as no synonyms or descriptions are given, and rarely any particular locality.—W. G. B.]

**Adams.**—Notice of a fractured and repaired *Argonauta argo*: by C. B. ADAMS, Prof. &c. (From Silliman's Journal, n. s., vol. vi, p. 137. July, 1848.)

**Hancock.**—On the boring of Mollusca into Rocks and on the removal of Portions of their Shells: by A. HANCOCK. (Copied from Brit. Ass. Athen., No. 1086. In American Journ. Sc., n. s., vol. vii, p. 288. March, 1849.)

**Adams.**—Monograph of *Stoastoma*, a new genus of new operculated Land Shells: by C. B. ADAMS, A. M. Amherst, Mass. September, 1849.

Page.		Page.	
3	<i>Stoastoma Ad.</i>	10	<i>Chitty anum Ad.</i> Jamaica.
5	<i>Gouldianum Ad.</i> Jamaica.	11	<i>pisum Ad.</i> Jamaica.
6	<i>Blandianum Ad.</i> Jamaica.	12	<i>Lindsley anum Ad.</i> Jamaica.
7	<i>Fadyenianum Ad.</i> Jamaica.	13	<i>Redfieldianum Ad.</i> Jamaica.
8	<i>Pfeifferianum Ad.</i> Jamaica.	14	<i>Jayanum Ad.</i> Jamaica.
9	<i>Cumingianum Ad.</i> Jamaica.	15	<i>Leanum Ad.</i> Jamaica.

**Adams.**—Monograph of *Vitrinella*, a new genus of new species of Turbinidæ: by C. B. ADAMS. Amherst, Mass. Feb. 1850.

Page.

3	<i>Vitrinella Adams.</i>	
5	<i>hyalina Adams.</i>	Port Royal, Jamaica.
6	<i>interrupta Adams.</i>	Port Royal, Jamaica.
7	<i>megastoma Adams.</i>	Port Royal, Jamaica.
8	<i>tincta Adams.</i>	Port Royal, Jamaica.
9	<i>helicoidea Adams.</i>	Port Royal, Jamaica.

**Adams.**—Remarks on the Distribution of the Testaceous Mollusca of Jamaica: by Prof. C. B. ADAMS. (From American Association for the Advancement of Science, second meeting, p. 147. Boston, 1850.)

**Redfield.**—Catalogue of Operculated Land Shells in the collection of JOHN H. REDFIELD. New York, July 1st, 1850, and

**Redfield.**—Catalogue of Marginellidæ in the collection of JOHN H. REDFIELD. January 1st, 1851.

[No descriptions being given, I do not repeat these Catalogues.—W. G. B.]

**Caillaud.**—On the perforation of rocks by *Pholades*: by M. F. CAILLAUD. (From American Journal of Science, n. s., vol. xiii, p. 287. March, 1852. Notice of a paper in Comptes Rendus, November 24, 1851, p. 572.)

**Adams, Chitty, Bland.**—Contributions to Conchology.  
Conducted by C. B. ADAMS, Prof., &c. Vol. i. New York,  
Oct. 1849—Nov. 1852.

No. 1.  
Sept. 1849.  
Page.

- 1 Descriptions of forty-four supposed new species and varieties of Operculated Land Shells from Jamaica: by Prof. C. B. ADAMS.

1	<b>Cyclostoma Chittyi</b> <i>Ad.</i>	Page.	
1	<i>spinulosum</i> <i>Ad.</i>	9	<b>Cyclostoma ignilabre</b> <i>Ad.</i>
2	<i>aculeosum</i> <i>Ad.</i>	9	<i>pisum</i> <i>Ad.</i>
2	<i>amabile</i> <i>Ad.</i>	9	<i>hyacinthinum</i> <i>Ad.</i>
3	<i>amandum</i> <i>Ad.</i>	10	<b>Redfieldianum</b> <i>Ad.</i>
3	<b>Blandianum</b> <i>Ad.</i>	10	<i>tectilabre</i> <i>Ad.</i>
3	<i>variabile</i> <i>Ad.</i>	10	<i>armatum</i> <i>Ad.</i>
4	<i>concentricum</i> <i>Ad.</i>	11	<i>muticum</i> <i>Ad.</i>
4	<i>serriferum</i> <i>Ad.</i>	11	<i>fecundum</i> <i>Ad.</i>
4	<i>decussatulum</i> <i>Ad.</i>	11	var. <i>distinctum</i> <i>Ad.</i>
4	<i>mirandum</i> <i>Ad.</i>	11	<i>aurora</i> <i>Ad.</i>
5	<i>moribundum</i> <i>Ad.</i>	12	<i>mordax</i> <i>Ad.</i>
5	<i>intermedium</i> <i>Ad.</i>	12	<i>quinque-fasciatum</i> <i>Ad.</i>
5	<i>monstrosum</i> <i>Ad.</i>	12	<i>crenulosum</i> <i>Ad.</i>
6	<b>Wilkinsonii</b> <i>Ad.</i>	13	<i>pauperatum</i> <i>Ad.</i>
6	<i>avena</i> <i>Ad.</i>	13	<b>Helicina palliata</b> <i>Ad.</i>
6	<i>modestum</i> <i>Ad.</i>	13	<b>Hollandi</b> <i>Ad.</i>
7	<i>solidum</i> <i>Ad.</i>	13	<i>macilenta</i> <i>Ad.</i>
7	<i>Augustæ</i> <i>Ad.</i>	13	<i>albolabris</i> <i>Ad.</i>
8	<i>proximum</i> <i>Ad.</i>	14	<i>citrino-labris</i> <i>Ad.</i>
8	<b>Newcombianum</b> <i>Ad.</i>	14	<i>megastoma</i> <i>Ad.</i>
8	<i>nitens</i> <i>Ad.</i>	14	<b>Josephinæ</b> ( <b>Trochatella</b> ).
8	<i>tenuistriatum</i> <i>Ad.</i>	14	<i>tenuis</i> ( <b>Trochatella</b> ).

- 15 Catalogue of Operculated Land Shells which inhabit Jamaica.

15	<b>Cyclostoma pulcrum</b> <i>Wood.</i>	15	<b>Cyclostoma Blandianum</b>
15	<i>fimbriatulum</i> <i>Sowb.</i>	15	<i>lincinellum</i> <i>Lam.</i> [ <i>Ad.</i> ]
15	<b>Chittyi</b> <i>Ad.</i>	15	<i>variabile</i> <i>Ad.</i>
15	<i>aculeosum</i> <i>Ad.</i>	15	<i>concentricum</i> <i>Ad.</i>
15	<i>spinulosum</i> <i>Ad.</i>	15	<b>Grayanum</b> <i>Ad.</i>
15	<i>amandum</i> <i>Ad.</i>	15	<i>serriferum</i> <i>Ad.</i>
15	<b>Hillianum</b> <i>Ad.</i>	15	<i>pulchrius</i> <i>Ad.</i>
15	<i>amabile</i> <i>Ad.</i>	15	<i>articulatum</i> <i>Sowb.</i>
15	<i>scabriculum</i> <i>Sowb.</i>	15	<i>decussatulum</i> <i>Ad.</i>
15	<i>lincinum</i> <i>Linn.</i>	15	<i>mirandum</i> <i>Ad.</i>
15	<i>lima</i> <i>Ad.</i>	15	<i>moribundum</i> <i>Ad.</i>

## [Contributions to Conchology.]

Page.		Page.	
15	<b>Cyclostoma intermedium</b>	16	<b>Cyclostoma asperulum</b> <i>Sb.</i>
15	<b>monstrosum</b> <i>Ad.</i> [ <i>Ad.</i> ]	16	<b>Helicina palliata</b> <i>Ad.</i>
15	<b>Wilkinsonii</b> <i>Ad.</i>	16	<b>Brownii</b> <i>Gray.</i>
15	<b>avena</b> <i>Ad.</i>	16	<b>Hollandi</b> <i>Ad.</i>
15	<b>modestum</b> <i>Ad.</i>	16	<b>macilenta</b> <i>Ad.</i>
15	<b>ambiguum</b> <i>Lam.</i>	16	<b>maxima</b> <i>Sowb.</i>
15	<b>thysanoraphe</b> <i>Sowb.</i>	16	<b>albolabris</b> <i>Ad.</i>
15	<b>pictum</b> <i>Humph.</i>	16	<b>citrino-labris</b> <i>Ad.</i>
15	<b>solidum</b> <i>Ad.</i>	16	<b>solitaria</b> <i>Ad.</i>
15	<b>labeo</b> <i>Lam.</i>	16	<b>affinis</b> <i>Ad.</i>
15	<b>Augustæ</b> <i>Ad.</i>	16	<b>megastoma</b> <i>Ad.</i>
15	<b>fascia</b> <i>Gray.</i>	16	<b>Gossei</b> <i>Pfr.</i>
15	<b>proximum</b> <i>Ad.</i>	16	<b>Adamsiana</b> <i>Pfr.</i>
15	<b>Newcombianum</b> <i>Ad.</i>	16	<b>depressa</b> <i>Gray.</i>
15	<b>nitens</b> <i>Ad.</i>	16	<b>lineata</b> <i>Ad.</i>
15	<b>xanthostoma</b> <i>Sowb.</i>	16	<b>neritella</b> <i>Lam.</i>
15	<b>tenuistriatum</b> <i>Ad.</i>	16	<b>aurantia</b> <i>Gray.</i>
15	<b>ignilabre</b> <i>Ad.</i>	16	<b>Jamaicensis</b> <i>Sowb.</i>
15	<b>pisum</b> <i>Ad.</i>	16	<b>costata</b> <i>Sowb.</i>
15	<b>Bronnii</b> <i>Ad.</i>	16	<b>Trochatella Tankervillei</b>
15	<b>fuscolineatum</b> <i>Ad.</i>	16	<b>pulchella</b> <i>Gray.</i> [ <i>Gray.</i> ]
15	<b>album</b> <i>Lam.</i>	16	<b>Grayana</b> <i>Pfr.</i>
15	<b>hyacinthinum</b> <i>Ad.</i>	16	<b>Josephinæ</b> <i>Ad.</i>
15	<b>Banksianum</b> <i>Sowb.</i>	16	<b>tenuis</b> <i>Ad.</i>
15	<b>Redfieldianum</b> <i>Ad.</i>	16	<b>Lucidella aureola</b> <i>Gray.</i>
15	<b>tectilabre</b> <i>Ad.</i>	16	<b>Stoastoma Gouldianum</b>
15	<b>pauperatum</b> <i>Ad.</i>	16	<b>Blandianum</b> <i>Ad.</i> [ <i>Ad.</i> ]
15	<b>crenulosum</b> <i>Ad.</i>	16	<b>Fadyenianum</b> <i>Ad.</i>
15	<b>quinquefasciatum</b> <i>Ad.</i>	16	<b>Pfeifferianum</b> <i>Ad.</i>
16	<b>Sauliæ</b> <i>Sowb.</i>	16	<b>Cumingianum</b> <i>Ad.</i>
16	<b>mordax</b> <i>Ad.</i>	16	<b>Chittyanum</b> <i>Ad.</i>
16	<b>maritimum</b> <i>Ad.</i>	16	<b>pisum</b> <i>Ad.</i>
16	<b>aurora</b> <i>Ad.</i>	16	<b>Lindsleyanum</b> <i>Ad.</i>
16	<b>fecundum</b> <i>Ad.</i>	16	<b>Redfieldianum</b> <i>Ad.</i>
16	<b>Adamsi</b> <i>Pfr.</i>	16	<b>Jayanum</b> <i>Ad.</i>
16	<b>muticum</b> <i>Ad.</i>	16	<b>Leanium</b> <i>Ad.</i>
16	<b>armatum</b> <i>Ad.</i>	16	<b>Truncatella costata</b> <i>Pfr.</i>
16	<b>Duffianum</b> <i>Ad.</i>	16	<b>Adamsi</b> <i>Pfr.</i>
16	<b>corrugatum</b> <i>Sowb.</i>	16	<b>succinea</b> <i>Ad.</i>
16	<b>Jamaicense</b> <i>Sowb.</i>		

## [Contributions to Conchology.]

No. 2.  
Oct. 1849.  
Page.

17 Descriptions of supposed new species and varieties of Helicidæ from Jamaica: by Prof. C. B. ADAMS.

17	<b>Geomelania</b> <i>Pfr.</i>	Page.	
18	<b>Jamaicensis</b> <i>Pfr.</i>	25	<b>Achatina nemorensis</b> <i>Ad.</i>
18	<b>minor</b> <i>Ad.</i>	25	<i>ligata</i> <i>Ad.</i>
18	<b>expansa</b> <i>Ad.</i>	25	<i>anglostoma</i> <i>Ad.</i>
18	<b>elegans</b> <i>Ad.</i>	25	<i>Ingallsiana</i> <i>Ad.</i>
19	<b>Cylindrella</b> <b>Beardsleyana</b>	26	<i>unicolor</i> <i>Ad.</i>
19	<b>Agnesiana</b> <i>Ad.</i> [Ad.]	26	<i>levis</i> <i>Ad.</i>
20	<b>alba</b> <i>Ad.</i>	26	<i>micans</i> <i>Ad.</i>
20	<b>costulata</b> <i>Ad.</i>	26	<i>striosa</i> <i>Ad.</i>
20	<b>montana</b> <i>Ad.</i>	26	<i>inuitata</i> <i>Ad.</i>
21	<b>Gravesii</b> <i>Ad.</i>	27	<b>Bulimus nitidiusculus</b> <i>Ad.</i>
21	<b>ambigua</b> <i>Ad.</i>	27	<i>pauperculus</i> <i>Ad.</i>
21	<b>rosea</b> <i>Pfr.</i>	28	<i>terebella</i> <i>Ad.</i>
21	var. <b>magna</b> <i>Ad.</i>	28	<i>anomalus</i> <i>Ad.</i>
21	var. <b>major</b> <i>Ad.</i>	28	<i>minimus</i> <i>Ad.</i>
21	<b>aspera</b> <i>Ad.</i>	28	<i>monodon</i> <i>Ad.</i>
22	<b>columna</b> <i>Ad.</i>	29	<i>mirabilis</i> <i>Ad.</i>
22	var. <b>intermedia</b> <i>Ad.</i>	29	<b>Helix patina</b> <i>Ad.</i>
22	<i>C. rosea</i> <i>Ad.</i> = <b>C. carnea</b> <i>Ad.</i>	29	<i>fluctuata</i> <i>Ad.</i>
22	<b>Cylindrella carnea</b> (var.)	29	<i>cara</i> <i>Ad.</i>
	<b>cerina.</b>	30	<b>Chittyana</b> <i>Ad.</i>
22	<b>inornata</b> <i>Ad.</i>	30	<i>picturata</i> <i>Ad.</i>
22	<b>simplex</b> <i>Ad.</i>	30	<i>strangulata</i> <i>Ad.</i>
23	<b>Hydeana</b> <i>Ad.</i>	31	<i>torrefacta</i> <i>Ad.</i>
23	<i>C. cylindrus</i> <i>Ad.</i> = <b>C. rubra</b>	31	<i>epistyliulum</i> <i>Ad.</i>
23	<b>Cylindrella similis</b> <i>Ad.</i> [Ad.]	31	<i>pila</i> <i>Ad.</i>
23	<b>tenella</b> <i>Ad.</i>	31	<i>lamellifera</i> <i>Ad.</i>
23	<b>tenera</b> <i>Ad.</i>	32	<i>graminicola</i> <i>Ad.</i>
24	<b>Achatina procera</b> <i>Ad.</i>	32	<b>MacMurrayi</b> <i>Ad.</i>
25	<b>elegans</b> <i>Ad.</i>	32	<i>munda</i> <i>Ad.</i>

No. 3.

33 Descriptions of supposed new Helicidæ from Jamaica.

33	<b>Helix tunicata</b> <i>Ad.</i>	35	<b>Helix brevis</b> <i>Ad.</i>
33	<b>sulphurea</b> <i>Ad.</i>	35	<b>simulans</b> <i>Ad.</i>
33	<b>virginea</b> <i>Ad.</i>	35	<b>fuscula</b> <i>Ad.</i>
34	<b>fuscocincta</b> <i>Ad.</i>	36	<b>diminuta</b> <i>Ad.</i>
34	<b>similis</b> <i>Ad.</i>	36	<b>apex</b> <i>Ad.</i>
34	<b>Hollandi</b> <i>Ad.</i>	36	<b>immunda</b> <i>Ad.</i>
35	<b>ambigua</b> <i>Ad.</i>	36	<b>perdepressa</b> <i>Ad.</i>
35	<b>Anthoniana</b> <i>Ad.</i>	36	<b>angustispira</b> <i>Ad.</i>



## [Contributions to Conchology.]

Page.		Page.	
37	<b>Helix inconspicua</b> <i>Ad.</i>	38	<b>Pupa exilis</b> <i>Ad.</i>
37	<b>Pupa Jamaicensis</b> <i>Ad.</i>	38	<b>Succinea latior</b> <i>Ad.</i>
37	<i>lata</i> <i>Ad.</i>	38	<i>angustior</i> <i>Ad.</i>
37	<i>hexodon</i> <i>Ad.</i>		
39 Catalogue of species and varieties of Helicidæ which inhabit Jamaica.			
39	<b>Geomelania Jamaicensis</b>	39	<b>Cylindrella rubra</b> <i>Ad.</i>
39	<i>minor</i> <i>Ad.</i> [Pfr.]	39	<i>Dunkeri</i> <i>Pfr.</i>
39	<i>expansa</i> <i>Ad.</i>	39	<i>similis</i> <i>Ad.</i>
39	<i>elegans</i> <i>Ad.</i>	39	<i>tenella</i> <i>Ad.</i>
39	<b>Cylindrella pygmæa</b> <i>Ad.</i>	39	<i>tenera</i> <i>Ad.</i>
39	<i>Beardsleana</i> <i>Ad.</i>	39	<b>Achatina ligata</b> <i>Ad.</i>
39	<i>gracilis</i> <i>Wood.</i>	39	<i>Jamaicensis</i> <i>Pfr.</i>
39	<i>elongata</i> <i>Chemn.</i>	39	<i>procera</i> <i>Ad.</i>
39	<i>agnesiana</i> <i>Ad.</i>	39	<i>Griffithii</i> <i>Ad.</i>
39	<i>alba</i> <i>Ad.</i>	39	<i>Phillipiana</i> <i>Pfr.</i>
39	<i>Gossei</i> <i>Pfr.</i>	39	<i>elegans</i> <i>Ad.</i>
39	<i>seminuda</i> <i>Ad.</i>	39	<i>venusta</i> <i>Pfr.</i>
39	<i>costulata</i> <i>Ad.</i>	39	<i>leucozonias</i> <i>Walch.</i>
39	<i>subula</i> <i>Fer.</i>	39	<i>Dominicensis</i> <i>Gmel.</i>
39	<i>alabastrina</i> <i>Pfr.</i> [Pfr.]	39	<i>curvilabris</i> <i>Pfr.</i>
39	<b>Humboldtiana</b> (var. $\beta$ .)	39	<i>angiostroma</i> <i>Ad.</i>
39	<i>variegata</i> (var. $\gamma$ .) <i>Pfr.</i>	39	<i>Ingallsiana</i> <i>Ad.</i>
39	<i>montana</i> <i>Ad.</i>	39	<i>unicolor</i> <i>Ad.</i>
39	<i>Gravesii</i> <i>Ad.</i>	39	<i>nemorensis</i> <i>Ad.</i>
39	<i>rosea</i> <i>Pfr.</i>	39	<i>Phillipsii</i> <i>Ad.</i>
39	var. <i>magna</i> <i>Ad.</i>	39	<i>arcuata</i> <i>Pfr.</i>
39	var. <i>major</i> <i>Ad.</i>	40	<i>vicina</i> <i>Ad.</i>
39	<i>ambigua</i> <i>Ad.</i>	40	<i>propinqua</i> <i>Ad.</i>
39	<i>cylindrus</i> <i>Chemn.</i>	40	<i>Gossei</i> <i>Pfr.</i>
39	<i>rubella</i> <i>Ad.</i>	40	<i>costulata</i> <i>Ad.</i>
39	<i>aspera</i> <i>Ad.</i>	40	<i>aberrans</i> <i>Pfr.</i>
39	<i>obesa</i> <i>Ad.</i>	40	<i>pellucens</i> <i>Ad.</i>
39	<i>brevis</i> <i>Pfr.</i>	40	<i>levis</i> <i>Ad.</i>
39	<i>columna</i> <i>Ad.</i>	40	<i>micans</i> <i>Ad.</i>
39	var. <i>intermedia</i> <i>Ad.</i>	40	<i>iota</i> <i>Ad.</i>
39	<i>nobilior</i> <i>Ad.</i>	40	<i>octona</i> <i>Chemn.</i>
39	<i>carnea</i> <i>Ad.</i>	40	<i>striosa</i> <i>Ad.</i>
39	var. <i>cerina</i> <i>Ad.</i>	40	<i>inuitata</i> <i>Ad.</i>
39	<i>sanguinea</i> <i>Pfr.</i>	40	<b>Bulimus minimus</b> <i>Ad.</i>
39	<i>Maugeri</i> <i>Wood.</i>	40	<i>striatellus</i> <i>Ad.</i>
39	<i>inornata</i> <i>Ad.</i>	40	<i>terebella</i> <i>Ad.</i>
39	<i>simplex</i> <i>Ad.</i>	40	<i>pauperculus</i> <i>Ad.</i>
39	<i>Hydeana</i> <i>Ad.</i>	40	<i>octonoides</i> <i>Ad.</i>

## [Contributions to Conchology.]

Page.		Page.	
40	<i>Eulimus pallidus Ad.</i>	40	<i>Helix angustata Fer.</i>
40	<i>monodon Ad.</i>	40	<i>Cubensis (var. 9) Pfr.</i>
40	<i>nitidiusculus Ad.</i>	41	<i>tunicata Ad.</i>
40	<i>læviusculus Ad.</i>	41	<i>sulphurea Ad.</i>
40	<i>subula Pfr. (errata p. 48.)</i>	41	<i>Mac Murrayi Ad.</i>
40	<i>rufescens Gray.</i>	41	<i>munda Ad.</i>
40	<i>erubescens Pfr.</i>	41	<i>tenerrima Ad.</i>
40	<i>immaculatus Ad.</i>	41	<i>graminicola Ad.</i>
40	<i>zebra Müll.</i>	41	<i>nemoraloides Ad.</i>
40	<i>anomalus Ad.</i>	41	<i>Gossei Pfr.</i>
40	<i>mirabilis Ad.</i>	41	<i>subconica Ad.</i>
40	<i>Pupa fallax (?) Say.</i>	41	<i>fuscocincta Ad.</i>
40	<i>lata Ad.</i>	41	<i>virginea Ad.</i>
40	<i>contracta (?) Say.</i>	41	<i>fuscula Ad.</i>
40	<i>tenuidens Ad.</i>	41	<i>immunda Ad.</i>
40	<i>hexodon Ad.</i>	41	<i>ptychodes Pfr.</i>
40	<i>servilis Gould.</i>	41	<i>perdepressa Ad.</i>
40	<i>Jamaicensis Ad.</i>	41	<i>depressa Ad.</i>
40	<i>exilis Ad.</i>	41	<i>sincera Ad.</i>
40	<i>striatella (?) Fer.</i>	41	<i>diminuta Ad.</i>
40	<i>Succinea angustior Ad.</i>	41	<i>apex Ad.</i>
40	<i>Sagra Orb.</i>	41	<i>inconspicua Ad.</i>
40	<i>latior Ad.</i>	41	<i>peraffinis Ad.</i>
40	<i>contorta Ad.</i>	41	<i>Boothiana Pfr.</i>
40	<i>Helix Martiniana Pfr.</i>	41	<i>turbiniformis Pfr.</i>
40	<i>peracutissima Ad.</i>	41	<i>Anthoniana Ad.</i>
40	<i>soror Fer.</i>	41	<i>angustispira Ad.</i>
40	<i>cara Ad.</i>	41	<i>ambigua Ad.</i>
40	<i>Chittyana Ad.</i>	41	<i>brevis Ad.</i>
40	<i>patina Ad.</i>	41	<i>Hollandi Ad.</i>
40	<i>fluctuata Ad.</i>	41	<i>arboreoides Ad.</i>
40	<i>acutissima Lam.</i>	41	<i>similis Ad.</i>
40	<i>Bainbridgii Pfr.</i>	41	<i>lamellifera Ad.</i>
40	<i>Spengleriana Pfr.</i>	41	<i>pila Ad.</i>
40	<i>lucerna Müll.</i>	41	<i>Cookiana Gmel.</i>
40	<i>Okeniana Pfr.</i>	41	<i>torrefacta Ad.</i>
40	<i>tridentina Fer.</i>	41	<i>epistyliulum Ad.</i>
40	<i>Bronnii Pfr.</i>	41	<i>epistylium Müll.</i>
40	<i>picturata Ad.</i>	41	<i>epistylionides Fer.</i>
40	<i>sinuata Müll.</i>	41	<i>simulans Ad.</i>
40	<i>strangulata Ad.</i>	41	<i>dioscoricola Ad.</i>
40	<i>anomala Pfr.</i>	41	<i>Proserpina nitida Sowb.</i>
40	<i>aspera Fer.</i>	41	<i>opalina Ad.</i>
40	<i>Jamaicensis Chemn.</i>		

[Contributions to Conchology.]

Page.

- 41 New Auriculidæ which inhabit Jamaica: by Prof. C. B. ADAMS.
- 41 **Melampus coronatus** *Ad.*
- 41 **Pedipes ovalis** *Ad.*
- 42 Catalogue of Auriculidæ which inhabit Jamaica.
- |  |  |
|--|--|
| 42 <b>Melampus coniformis</b> <i>Brug.</i> | 42 <b>Melampus coronatus</b> <i>Ad.</i>  |
| 42 <b>flavus</b> <i>Gmel.</i>              | 42 <b>cingulatus</b> <i>Pfr.</i>         |
| <i>Auricula monile</i> <i>Lam.</i>         | 42 <b>Pedipes quadridens</b> <i>Pfr.</i> |
| 42 <b>pusillus</b> <i>Gmel.</i>            | 42 <b>ovalis</b> <i>Ad.</i>              |
| <i>Auricula nitens</i> <i>Lam.</i>         |  |
- 42 Descriptions of supposed new species of Fresh Water Shells which inhabit Jamaica: by Prof. C. B. ADAMS.
- |   |  |
|---|--|
| 42 <b>Paludina Jamaicensis</b> <i>Ad.</i> | 43 <b>Planorbis decipiens</b> <i>Ad.</i> |
| 42 <b>Valvata pygmæa</b> <i>Ad.</i>       | 44 <b>affinis</b> <i>Ad.</i>             |
| 43 <b>Planorbis Mac Nabianus</b>          | 44 <b>Cyclas Veatleyi</b> <i>Ad.</i>     |
| 43 <b>Redfieldi</b> <i>Ad.</i> [Ad.]      | 44 <b>pygmæa</b> <i>Ad.</i>              |
| 43 <b>Haldemani</b> <i>Ad.</i>            |  |
- 45 Catalogue of Fresh Water Shells which inhabit Jamaica: by Prof. C. B. ADAMS.
- |  |   |
|--|---|
| 45 <b>Melanopsis lineolata</b> <i>Gray.</i>  | 45 <b>Planorbis dentiferus</b> <i>Ad.</i>   |
| 45 <b>Melania spinifera</b> <i>Ad.</i>       | 45 <b>pallidus</b> <i>Ad.</i>               |
| 45 <b>Valvata pygmæa</b> <i>Ad.</i>          | 45 <b>decipiens</b> <i>Ad.</i>              |
| 45 <b>Paludina rivularis</b> <i>Ad.</i>      | 45 <b>affinis</b> <i>Ad.</i>                |
| 45 <b>Jamaicensis</b> <i>Ad.</i>             | 45 <b>Ancylus obscurus</b> (?) <i>Hald.</i> |
| 45 <b>Ampularia fasciata</b> (?) <i>Lam.</i> | 45 <b>Physa Soverbyana</b> <i>Orb.</i>      |
| 45 <b>Planorbis Mac Nabianus</b>             | 45 <b>Limnæa umbilicata</b> <i>Ad.</i>      |
| 45 <b>Redfieldi</b> <i>Ad.</i> [Ad.]         | 45 <b>Cyclas pygmæa</b> <i>Ad.</i>          |
| 45 <b>Haldemani</b> <i>Ad.</i>               | 45 <b>Veatleyi</b> <i>Ad.</i>               |
- 45 Remarks on the distribution of the Terrestrial and Fresh Water Mollusca which inhabit Jamaica: by Prof. C. B. ADAMS. October, 1849. Read before the American Association for the Promotion of Science, August 16, 1849 (and published also in their Proc. vol. ii, p. 147, 1856.)
- No. 4.
- 49 Remarks on the distribution of the Terrestrial and Fresh Water Mollusca which inhabit Jamaica—*continued.*
- 50 *Cyclostoma solidum* *Ad.* non Menke = **C. Jayanum** *Ad.*

## [Contributions to Conchology.]

Nov. 1849.

Page.

- |    |   |   |
|----|---|---|
| 51 | Remarks on the weight of the Shells of certain species of Colima-<br>cea: by Prof. C. B. Adams. |   |
| 51 | <b>Cyclostoma avena</b> <i>Ad.</i>  | Page.                                     |
| 51 | <b>Helicina lineata</b> <i>Ad.</i>  | 52 <b>Stoastoma Gouldianum</b> <i>Ad.</i> |
| 51 | <b>depressa</b> <i>Gray.</i>  | 52 <b>Cumingianum</b> <i>Ad.</i>          |
| 51 | <b>affinis</b> <i>Ad.</i>   | 52 <b>Pfeifferianum</b> <i>Ad.</i>        |
| 51 | <b>Adamsiana</b> <i>Pfr.</i>  | 52 <b>pisum</b> <i>Ad.</i>                |
| 51 | <b>solitaria</b> <i>Ad.</i>   | 52 <b>Truncatella fusca</b> <i>Phil.</i>  |
| 51 | <b>megastoma</b> <i>Ad.</i> ( <i>aurantia</i><br><i>Gray in errata.</i> )                       | 52 <b>Adamsi</b> <i>Pfr.</i>              |
| 51 | <b>costata</b> <i>Sowb.</i>   | 52 <b>scalaris</b> <i>Mich.</i>           |
| 51 | <b>hæmastoma</b> <i>Moric.</i>  | 52 <b>costellaris</b> (?) <i>Risso.</i>   |
| 51 | <b>Jamaicensis</b> <i>Sowb.</i>   | 52 <b>succinea</b> <i>Ad.</i>             |
| 52 | <b>neritella</b> <i>Lam.</i>  | 52 <b>Pedipes quadridens</b> <i>Pfr.</i>  |
| 52 | <b>albolabris</b> <i>Ad.</i>  | 52 <b>Geomelania minor</b> <i>Ad.</i>     |
| 52 | <b>maxima</b> <i>Sowb.</i>  | 52 <b>Cylindrella pygmea</b> <i>Ad.</i>   |
| 52 | <b>Trochatella tenuis</b> <i>Ad.</i>  | 52 <b>tenera</b> <i>Ad.</i>               |
| 52 | <b>Josephinæ</b> <i>Ad.</i>   | 52 <b>Beardsleana</b> <i>Ad.</i>          |
| 52 | <b>pulchella</b> <i>Gray.</i>   | 52 <b>Achatina iota</b> <i>Ad.</i>        |
| 52 | <b>Tankervillei</b> <i>Sowb.</i>  | 52 <b>aberrans</b> <i>Pfr.</i>            |
| 52 | <b>Lucidella aureola</b> <i>Gray.</i>   | 52 <b>Bulimus minimus</b> <i>Ad.</i>      |
| 52 | <b>Stoastoma Blandianum</b> <i>Ad.</i>  | 52 <b>Helix apex</b> <i>Ad.</i>           |
| 52 | <b>Redfieldianum</b> <i>Ad.</i>   | 52 <b>minuscula</b> <i>Binney.</i>        |
| 52 | <b>Leanum</b> <i>Ad.</i>  | 52 <b>pulchella</b> <i>Müll.</i>          |
| 52 | <b>Jayanum</b> <i>Ad.</i>   | 52 <b>Pupa Jamaicensis</b> <i>Ad.</i>     |
| 52 | <b>Fadyenianum</b> <i>Ad.</i>   | 52 <b>milium</b> <i>Gould.</i>            |
|    |   | 52 <b>minutissima</b> <i>Hartm.</i>       |

Jan. 1850.

- 53 Description of a supposed new species of *Columbella*: by Prof. C. B. ADAMS.
- 53 **Columbella ovuloides** *Ad.* Bahamas.
- 54 Notes on the synonymy of certain Marine Shells: by Prof. C. B. ADAMS.
- |    |   |   |
|----|---|---|
| 54 | <b>Pleurotoma plicata</b> <i>Ad.</i> = <b>P.</b><br><b>plicosa</b> <i>Ad.</i>   | 55 <b>Columbella monilifera</b> <i>S.</i> =   |
| 54 | <b>P. decussata</b> <i>Mac.</i> = <b>P.</b><br><b>Macgillivrayi</b> <i>Ad.</i>  | 55 <b>Pleurotoma monilifera</b><br>( <i>Columbella</i> ) <i>Sowb.</i>               |
| 54 | <b>P. violacea</b> <i>Hinds</i> = <b>P.</b><br><b>Reevii</b> <i>Ad.</i>         | 55 <b>Pleurotoma albovittata</b> <i>Ad.</i> =                                       |
| 54 | <b>P. nigrescens</b> <i>Ad.</i> = <b>P. ni-</b><br><b>grescens</b> <i>Gray.</i> | <b>P. luteo-fasciata</b> <i>Rve.</i>  |
| 54 | <b>P. fuscolineata</b> <i>Ad.</i> = <b>P.</b><br><b>scalpta</b> <i>Rve.</i>     | 55 <b>P. trilineata</b> <i>Ad.</i> = <b>P. tri-</b><br><b>fasciata</b> <i>Gray.</i> |
|    |   | 55 <b>Mangelia albovittata</b><br>( <i>Pleurotoma</i> ) <i>Ad.</i>                  |
|    |   | 55 <b>fusca</b> ( <i>Pleurotoma</i> ) <i>Ad.</i>                                    |

## [Contributions to Conchology.]

Page.		Page.	
55	<b>Mangelia dubia</b> (Pleurotoma) <i>Ad.</i>	55	<i>Buccinum concinnum</i> <i>Ad.</i> = <b>Columbella.</b>
55	<b>multilineata</b> (Pleurotoma) <i>Ad.</i> [ <i>Ad.</i>	55	<i>Columbella purpurascens</i> <i>Ad.</i> = <b>C. dormitor</b> <i>Sowb.</i>
55	<b>trilineata</b> (Pleurotoma)	55	<i>Buccinum obesum</i> <i>Ad.</i> = <b>Co-</b>
55	<b>candidissima</b> (Pleurotoma) <i>Ad.</i>		<b>lumbella.</b>

Note on—

55	<b>Geomelania Jamaicensis</b> <i>Pfr.</i>		
56 Descriptions of supposed new species of Marine Shells which inhabit Jamaica: by Prof. C. B. ADAMS.			
56	<b>Marginella nivea</b> <i>Ad.</i>	62	<b>Pleurotoma diminuta</b> <i>Ad.</i>
56	<b>alba</b> <i>Ad.</i>		<i>P. quadrata</i> <i>Rve?</i>
56	<b>abbreviata</b> <i>Ad.</i>	62	<b>decorata</b> <i>Ad.</i>
56	<b>fluctuata</b> <i>Ad.</i>	63	<b>albella</b> <i>Ad.</i>
57	<b>Mitra monilifera</b> <i>Ad.</i>	63	<b>pygmæa</b> <i>Ad.</i>
57	<b>albicostata</b> <i>Ad.</i>	63	<b>flavocincta</b> <i>Ad.</i>
57	<b>Columbella fenestrata</b> <i>Ad.</i>	64	<b>nodata</b> <i>Ad.</i>
58	<b>costulata</b> <i>Ad.</i>	64	<b>quadrilineata</b> <i>Ad.</i>
58	<b>Terebra Jamaicensis</b> <i>Ad.</i>	64	<b>fusiformis</b> <i>Ad.</i>
58	<b>Purpura aberrans</b> <i>Ad.</i>	65	<b>Mangelia densestriata</b> <i>Ad.</i>
59	<b>Conus armillatus</b> <i>Ad.</i>	65	<b>muricoides</b> <i>Ad.</i>
59	<b>Triton parvus</b> <i>Ad.</i>	65	<b>biconica</b> <i>Ad.</i>
60	<b>pulchellus</b> <i>Ad.</i>	66	<b>lanceolata</b> <i>Ad.</i>
60	<b>Murex intermedius</b> <i>Ad.</i>	66	<b>crassicostata</b> <i>Ad.</i>
60	<b>pauperculus</b> <i>Ad.</i>	66	<b>brevis</b> <i>Ad.</i>
60	<b>Fusus nitens</b> <i>Ad.</i>	66	<b>vicina</b> <i>Ad.</i>
61	<b>Pleurotoma augustæ</b> <i>Ad.</i>	67	<b>Scalaria ligata</b> <i>Ad.</i>
61	<b>Jayana</b> <i>Ad.</i>	67	<b>Phasianella affinis</b> <i>Ad.</i>
61	<b>solida</b> <i>Ad.</i>	67	<b>brevis</b> <i>Ad.</i>
62	<b>fuscocincta</b> <i>Ad.</i>	67	<b>tesselata</b> <i>Ad.</i>
62	<b>maculata</b> <i>Ad.</i>	68	<b>concolor</b> <i>Ad.</i>

No. 5.  
Feb. 1850.

69 Descriptions of supposed new species of Marine Shells which inhabit Jamaica: by Prof. C. B. ADAMS.			
69	<b>Phasianella concinna</b> <i>Ad.</i>	71	<b>Litiopa effusa</b> <i>Ad.</i>
69	<b>Trochus pulcher</b> <i>Ad.</i>	71	<b>obesa</b> <i>Ad.</i>
70	<b>Cingula (?) concinna</b> <i>Ad.</i>	71	<b>Littorina Jamaicensis</b> <i>Ad.</i>
70	<b>(?) solida</b> <i>Ad.</i>	72	<b>Chemnitzia latior</b> <i>Ad.</i>
70	<b>(?) conica</b> <i>Ad.</i>	72	<b>puncta</b> <i>Ad.</i>

## [Contributions to Conchology.]

Page.		Page.	
72	<b>Chemnitzia obeliscus</b> <i>Ad.</i>	74	<b>Chemnitzia pusilla</b> <i>Ad.</i>
73	<i>subulata</i> <i>Ad.</i>	74	<i>flavocincta</i> <i>Ad.</i>
73	<i>levis</i> <i>Ad.</i>	74	<i>multicostata</i> <i>Ad.</i>
73	<i>substriata</i> <i>Ad.</i>	75	<i>reticulata</i> <i>Ad.</i>
74	<i>exilis</i> <i>Ad.</i>		
	Note on—		
75	<b>Pholas corticaria</b> <i>Sowb.</i>		
76	Descriptions of supposed new species and varieties of Terrestrial Shells which inhabit Jamaica: by Prof. C. B. ADAMS.		
76	<b>Helix ingens</b> <i>Ad.</i>	81	<b>Proserpina bidentata</b> <i>Ad.</i>
77	<i>valida</i> <i>Ad.</i>	82	<b>Cylindrella Greyana</b> <i>Ad.</i>
77	<i>fortis</i> <i>Ad.</i>	82	<i>lata</i> <i>Ad.</i>
79	<i>invalida</i> <i>Ad.</i>	82	<i>Hollandi</i> <i>Ad.</i>
79	<i>propenuda</i> <i>Ad.</i>	83	<i>augustæ</i> <i>Ad.</i>
80	<i>candescens</i> <i>Ad.</i>	83	<b>Achatina Blandiana</b> <i>Ad.</i>
80	<b>Foremaniana</b> <i>Ad.</i>	83	<i>puella</i> <i>Ad.</i>
80	<i>alveus</i> <i>Ad.</i>	84	<i>perplexa</i> <i>Ad.</i>
80	<i>columellata</i> <i>Ad.</i>	84	<b>Geomelania</b> <i>Ad.</i>
81	<b>Proserpina discoidea</b> <i>Ad.</i>	84	<i>Cyclostoma aculeosum</i> <i>Ad.</i> =
81	<i>pulchra</i> <i>Ad.</i>		<b>C. Hillianum</b> <i>Ad.</i>
	No. 6. March, 1850.		
85	Remarks on the origin of the Terrestrial Molluscs of Jamaica: by Prof. C. B. ADAMS.		
87	Description of a new genus of Helicidæ from Jamaica: by Prof. C. B. ADAMS.		
87	<b>Spiraxis</b> <i>Ad.</i> (n. g.)	88	<b>Spiraxis costulosus</b> <i>Ad.</i>
88	<i>aberrans</i> <i>Ad.</i>		
88	Description of <b>Jamaicia</b> , a new sub-genus of <i>Cyclostoma</i> : by Prof. C. B. ADAMS.		
88	Notes on certain species of the Land Shells of Jamaica: by Prof. C. B. ADAMS.		
88	<b>Helicina Hollandi</b> <i>Ad.</i>	89	<b>Geomelania Beardsleana</b>
89	<b>Lucidella aureola</b> <i>Ad.</i>	89	<i>pygmæa</i> <i>Ad.</i> [ <i>Ad.</i>
89	<i>granulosa</i> <i>Ad.</i>	89	<i>striosa</i> <i>Ad.</i>
89	<b>Cyclostoma Jayanum</b> <i>Ad.</i>	89	<b>Helicina hæmastoma</b> <i>Moric.</i>
89	<i>nigrilabre</i> <i>Ad.</i>	89	<i>aurantia</i> <i>Gray.</i>
89	<b>Chittyi</b> <i>Ad.</i>	90	<b>Cylindrella brevis</b> <i>Ad.</i>
89	<i>fimbriatulum</i> <i>Sowb.</i>	90	<b>Achatina pellucens</b> <i>Ad.</i>
89	<b>Geomelania elegans</b> <i>Ad.</i>		

## [Contributions to Conchology.]

Page.

90 Description of supposed new species of Land Shells which inhabit Jamaica: by Prof. C. B. ADAMS.

90	<b>Cyclostoma virgineum</b> <i>Ad.</i>	Page.
90	<b>anomalum</b> <i>Ad.</i>	96
91	<b>nodulosum</b> <i>Ad.</i>	96
91	<b>retrorsum</b> <i>Ad.</i>	96
92	<b>Shepardianum</b> <i>Ad.</i>	96
92	<b>papyraceum</b> <i>Ad.</i>	97
93	<b>Griffithianum</b> <i>Ad.</i>	97
93	<b>granosum</b> <i>Ad.</i>	97
93	<b>Helicina dubiosa</b> <i>Ad.</i>	98
94	var. <b>intermedia</b> <i>Ad.</i>	98
94	<b>Geomelania fortis</b> <i>Ad.</i>	98
94	<b>magna</b> <i>Ad.</i>	98
95	<b>procera</b> <i>Ad.</i>	98
95	<b>gracilis</b> <i>Ad.</i>	98
95	<b>typica</b> <i>Ad.</i>	100
96	var. <b>pygmæa</b> <i>Ad.</i>	100
96	<b>affinis</b> <i>Ad.</i>	
		96
	<b>Geomelania media</b> <i>Ad.</i>	
	<b>vicina</b> <i>Ad.</i>	
	<b>striosa</b> <i>Ad.</i>	
	<b>costulosa</b> <i>Ad.</i>	
	<b>conica</b> <i>Ad.</i>	
	<b>pauperata</b> <i>Ad.</i>	
	<b>exilis</b> <i>Ad.</i>	
	<b>Cylindrella costulosa</b> <i>Ad.</i>	
	<b>Helix sulphurea</b> <i>Ad.</i>	
	<b>Dolium perdix</b> <i>Ad.</i>	
	<b>Helix picturata</b> <i>Ad.</i>	
	<i>H. sinuata</i> Born.	
	<i>sinuosa</i> Gmel.	
	<b>picturata</b> <i>Ad.</i>	
	<b>sinuata</b> <i>Deless.</i>	
	<i>H. picturata</i> <i>Ad.</i>	

No. 7.  
April, 1850.

100 Descriptions of supposed new species of Land Shells which inhabit Jamaica: by Prof. C. B. ADAMS.

101	<b>Helicina ampliata</b> <i>Ad.</i>	104
101	<b>pusilla</b> <i>Ad.</i>	105
101	<b>Cylindrella humilis</b> <i>Ad.</i>	105
102	<b>pusilla</b> <i>Ad.</i>	105
102	<b>pupæformis</b> <i>Ad.</i>	106
102	<b>procera</b> <i>Ad.</i>	106
102	<b>Achatina costulosa</b> <i>Ad.</i>	107
103	<b>nitida</b> <i>Ad.</i>	107
103	<b>Gayana</b> <i>Ad.</i>	107
103	<b>similis</b> <i>Ad.</i>	108
104	<b>tenera</b> <i>Ad.</i>	108
104	<b>longispira</b> <i>Ad.</i>	108
104	<b>gracilior</b> <i>Ad.</i>	108
104	<b>Achatina osculans</b> <i>Ad.</i>	
	<b>Helix connectens</b> <i>Ad.</i>	
	<b>alligans</b> <i>Ad.</i>	
	<b>amabilis</b> <i>Ad.</i>	
	<b>fuscolabris</b> <i>Ad.</i>	
	<b>nobilis</b> <i>Ad.</i>	
	<b>Redfieldiana</b> <i>Ad.</i>	
	<b>Blandiana</b> <i>Ad.</i>	
	<b>osculans</b> <i>Ad.</i>	
	<b>Proserpina pisum</b> <i>Ad.</i>	
	<b>Helix ingens</b> <i>Ad.</i>	
	<b>Cyclostoma Sauliæ</b> <i>Sowb.</i>	
	<b>suturale</b> <i>Sowb.</i>	

109 Descriptions of supposed new species of Marine Shells which inhabit Jamaica: by Prof. C. B. ADAMS.

109	<b>Narica (?) anomala</b> <i>Ad.</i>	110
109	<b>Odostomia gemmulosa</b> <i>Ad.</i>	110
109	<b>canaliculata</b> <i>Ad.</i>	110
109	<b>ovuloides</b> <i>Ad.</i>	110
	<b>Odostomia solidula</b> <i>Ad.</i>	
	<b>Eulima gracilis</b> <i>Ad.</i>	
	<b>arcuata</b> <i>Ad.</i>	
	<b>conica</b> <i>Ad.</i>	

## [Contributions to Conchology.]

Page.		Page.	
110	<i>Eulima affinis Ad.</i>	117	<i>Cerithium modestum Ad.</i>
111	(?) <i>fulvo-cincta Ad.</i>	117	<i>melanura Ad.</i>
111	<i>Natica proxima Ad.</i>	117	<i>decoratum Ad.</i>
111	<i>Jamaicensis Ad.</i>	117	<i>dealbatum Ad.</i>
112	<i>Neritina ornata Ad.</i>	117	<i>nanum Ad.</i>
112	(?) <i>pusilla Ad.</i>	118	<i>mirabile Ad.</i>
112	<i>Rissoa subangulata Ad.</i>	118	<i>exiguum Ad.</i>
113	<i>aberrans Ad.</i>	119	<i>intermedium Ad.</i>
113	<i>scalaroides Ad.</i>	119	<i>versicolor Ad.</i>
114	<i>lævigata Ad.</i>	119	<i>megasoma Ad.</i>
114	<i>dubiosa Ad.</i>	120	<i>gemmulosum Ad.</i>
114	<i>pulchra Ad.</i>	120	<i>exile Ad.</i>
114	<i>multicostata Ad.</i>	120	<i>fusiforme Ad.</i>
115	<i>vitrea Ad.</i>	121	<i>pulchellum Ad.</i>
115	<i>lævissima Ad.</i>	121	<i>rugulosum Ad.</i>
115	<i>eulimoides Ad.</i>	122	<i>vicinum Ad.</i>
116	<i>striosa Ad.</i>	122	<i>latum Ad.</i>
116	<i>princeps Ad.</i>	122	<i>flavum Ad.</i>
116	(?) <i>melanura Ad.</i>	122	<i>albovittatum Ad.</i>

[For pp. 125-187, see the quotations of Ann. N. Y. Lyc.—W. G. B.]

No. 10.  
Nov. 1851.

- 189 On the Nature and Origin of the species of the Terrestrial Mollusca in the Island of Jamaica: by Prof. C. B. ADAMS. (Also, Am. Ass. Adv. Sc. Proc., vol. iv, p. 29. 1851.)
- 194 Notice of a Reversed Cyclostoma. (Also in Proc. Am. Ass. Adv. Sc., vol. iv, p. 32. 1851.)
- 194 *Cyclostoma Jayanum Ad.*
- 194 On the value of the Shells of Mollusca for the purpose of distinguishing species and higher groups: by Prof. C. B. ADAMS. Also in Proc. Am. Ass. Adv. Sc., vol. iv, p. 180. 1851. And Eding. N. Phil. Journ. No. 51, p. 259. 1851. And For. Tagsber. No. 443, (Zool. Bd. ii, p. 217. 1852.)
- 203 Notes on—
- |     |  |     |  |
|-----|--|-----|--|
| 203 | <i>Cyclostoma Newcomb-<br/>ianum Ad.</i> | 204 | <i>Helix pretiosa Ad.</i>                        |
| 203 | <i>Swiftianum Ad.</i>                    | 204 | <i>Ancylus obliquus Ad. = A.<br/>Chittyi Ad.</i> |
| 203 | <i>Troscheli Pfr.</i>                    | 204 | <i>Helix incerta Ad.</i>                         |
| 204 | <i>Tornatellina Cubensis Pfr.</i>        | 204 | <i>lima Ad.</i>                                  |
| 204 | <i>Helix Schroeteriana Pfr.</i>          | 204 | <i>angustata Ad.</i>                             |



## [Contributions to Conchology.]

Page.

205 Remarks on certain Helices which are described and figured in the Conchologia Iconica for Oct. 1851: by Prof. C. B. ADAMS.

205	<b>Helix patina</b> Ad.	Page.	
205	<b>acuta</b> Lam.	206	<b>Helix tumida</b> Pfr.
205	<b>Chemnitziana</b> Pfr. = <i>H.</i>	206	<b>tunicata</b> Ad.
	<i>fluctuata</i> Ad.	206	<b>Chittyana</b> Ad.
205	<b>Helix ingens</b> Ad.	206	<b>valida</b> Ad.
205	<b>Bainbridgei</b> Pfr.	206	<b>anomala</b> Pfr.
206	<b>lucerna</b> Müll.		
No. 11.			
Oct. 1852.			
207	Hints on the geographical distribution of Animals, with special reference to the Mollusca: by Prof. C. B. ADAMS.		
215	Catalogue of the Terrestrial Shells of St. Thomas, West Indies: by THOMAS BLAND, F. G. S., London.		
215	<b>Helix depicta</b> Grat.	218	<b>Achatina octona</b> Chemn.
216	<b>plicaria</b> Lam.		<i>Bulinus octona</i> Lam.
216	<b>squamosa</b> Fer. [Fer.]	219	? ——— (sp. ined.)
216	<b>Bulinus bæticatus</b> ( <b>Helix</b> )	219	? <b>iota</b> Ad.
216	<b>badius</b> ( <b>Helix</b> ) Fer.	219	<b>Bulinus exilis</b> ( <b>Helix</b> ) Gmel.
216	<b>Pupa decumana</b> ( <b>Helix</b> ) Fer.		<i>B. Guadaloupensis</i> Brug.
216	<b>Cylindrella gracilicollis</b>	220	var $\beta$ <b>trifasciatus</b> Pfr.
	( <b>Helix</b> ) Fer.	220	<b>virgulatus</b> ( <b>Cochlogena</b> )
216	<b>Maugeri</b> ( <b>Helix</b> ) Wood.		<i>Fer.</i>
216	<b>Cyclostoma Antillarum</b> Sb.		<i>B. Curibbeonum</i> Lam.
	<i>Megalomastoma Antillarum</i>	221	? <b>Dysoni</b> Pfr.
	Gray.	221	? ——— (sp. ined.)
216	<b>Newcombianum</b> Ad.	221	? <b>subula</b> ( <b>Achatina</b> ) Pfr.
	<i>C. Swiftianum</i> Ad.		<i>B. hortensis</i> Ad?
	<i>Troscheli</i> Ad.	221	? ——— (sp. ined.)
	<i>Newcombianum</i> Ad.	222	? ——— (sp. ined.)
217	<b>Helicina subfusca</b> Mke.	222	<b>Pupa servilis</b> ? Gould.
	<i>Hel. rotulina</i> Mich.	222	<b>Succinea Sagra</b> ? Orb.
	<i>castanea</i> Gould?	222	<b>Helix incerta</b> ( <b>Helicostyla</b> )
	<i>Hornbeckii</i> Phil.		<i>H. lima</i> Rve. [Fer.]
	<i>subfusca</i> Küst.	223	<b>nemoralina</b> Pet.
217	? ——— (sp. ined.)	223	? ——— (sp. ined.)
217	<b>Cylindrella pallida</b> ( <b>Bra-</b>	223	? ——— (sp. ined.)
	<b>chypus</b> ) Guild.	223	? <b>peraffinis</b> Ad.
218	? ——— (sp. ined.)	224	? ——— (sp. ined.)

## [Contributions to Conchology.]

Page.

224 On the Clausiliæ of America: by THOMAS BLAND.

225	<b>Clausilia tridens (Turbo)</b>	Page.	
	<i>Chemn.</i>		<i>Clausilia costulata</i> Lam.
	<i>Turbo labiatus</i> Dillw.		<i>labiata</i> Sowb.
	<i>C. tridens</i> Sch.		<i>Turbo costulatus</i> Wood.
	<i>Helix bicanaliculata</i>	227	<b>Clausilia Peruana</b> Trosch.
	( <i>Cochlodina</i> ) Fer.	228	<b>epistomium</b> Küst.

228 Catalogue of Terrestrial Shells collected by T. BLAND in New Granada, in 1851.

223	<b>Cyclostoma giganteum</b>	229	<b>Bulimus oblongus</b> Müll.
228	<b>Popayanum</b> Lea. [Gray.	230	<b>geometricus</b> Pfr.
228	<b>Quitense</b> Pfr.	230	<b>spectatus</b> Rve.
229	<b>Helicina concentrica</b> Pfr.	230	? <b>linostoma</b> D'Orb.
229	<b>Bulimus Dennisoni</b> Rve.	230	? <b>Pealianus</b> Lea.
229	<b>Powisianus</b> Pet.	230	<b>succinoides</b> Pet.
229	<b>Gibbonius</b> Lea.	230	<b>nitelinus</b> Rve.
229	<b>castaneus</b> Pfr.	230	<b>Gruneri</b> Pfr.
229	<b>maximus</b> Sowb.		

No. 12.

231 Catalogue of Terrestrial Shells collected by T. BLAND in New Granada, in 1851—*continued*.

231	<b>Bulimus Lamarckianus</b> Pfr.	232	<b>Helix Oreas</b> (var.)
231	<b>Adamsoni</b> Gray.	232	? <b>atrata</b> Pfr.
231	<b>Streptaxis Candearia</b> (Helix) Pet.	232	<b>subplanata</b> ? ( <i>Caracolla</i> )
231	<b>Helix Gibboni</b> Pfr.	232	? <b>monile</b> Brod. [Pet.
231	<b>Oreas</b> Koch.		<i>H. planorbis</i> Jay.
		233	<b>Clausilia epistomium</b> Küst.

233 Descriptions of new species of *Corbula* from Jamaica: by Prof. C. B. ADAMS.

234	<b>Corbula Krebsiana</b> Ad.	238	<b>Corbula Chittyana</b> Ad.
234	<b>Blandiana</b> Ad.	238	<b>Knoxiana</b> Ad.
235	<b>Dietziana</b> Ad.	239	<b>quadrata</b> Hinds.
236	<b>Swiftiana</b> Ad.	240	<b>Newtoniana</b> Ad.
237	<b>Kjoceriana</b> Ad.	240	<b>fulva</b> Ad.
237	<b>Barrattiana</b> Ad.		

Notes on—

241	Journal de Conchyliologie.
242	Memorias sobre la Historia Natural de la Isla de Cuba.

[Contributions to Conchology.]

Nov. 1852.

Page.

242 Catalogue of species of *Lucina* which inhabit the West Indian Seas:  
by Prof. C. B. ADAMS.

	Page.	
243 <b>Lucina Americana</b> <i>Ad.</i>		
243 <b>Anatellinoides</b> <i>Rve.</i>	245	<b>Lucina Janeirensis</b> <i>Rve.</i>
243 <b>Antillarum</b> <i>Rve.</i>	245	<b>pectinata</b> <i>Ad.</i>
244 <b>aurantia</b> <i>Desh.</i>	246	<b>pectinella</b> <i>Ad.</i>
244 <b>Chemnitzii</b> <i>Phil.</i>	246	<b>Pennsylvanica</b> ( <b>Venus</b> )
244 <b>edentula</b> ( <b>Venus</b> ) <i>Linn.</i>	246	<b>pilula</b> <i>Ad.</i> [Linn.]
244 <b>exasperata</b> <i>Rve.</i>	247	<b>scabra</b> <i>Rve.</i>
244 <b>funiculata</b> <i>Rve.</i>	247	<b>soror</b> <i>Ad.</i>
245 <b>granulosa</b> <i>Ad.</i>	247	<b>tigerina</b> ( <b>Venus</b> ) <i>Linn.</i>
245 <b>imbricatula</b> <i>Ad.</i>	247	<b>virgo</b> <i>Rve.</i>
245 <b>Jamaicensis</b> ( <b>Venus</b> ) <i>Ch.</i>		

**Lea.**—A synopsis of the Family of Naiades, &c. &c., vide pp. 52, 220, 230.

[I have not repeated the numerous foreign species. For these and their synonymy the student must consult the work itself.—W. G. B.]

**Conrad.**—Description of the Fossils of Syria, collected in the Palestine Expedition. Recent Shells by T. A. CONRAD, p. 228. (From Official Report of the United States Expedition to explore the Dead Sea and the River Jordan: by W. F. LYNCH, U. S. N.; published at the National Observatory by authority of the Hon. W. A. Graham, Secretary of the Navy. Baltimore, 1852.)

Pa.	Pl.	Fig.		
228	xxii	128 <sup>1</sup>	<b>Helix lithophaga</b> <i>Conr.</i>	Wady en-Nar. [Jezzin.
228	xv	80	<b>ligata</b> <i>Müll.</i>	Between Mukhtarah &
229	xxii	129 <sup>2</sup>	<b>Carocolla tuberculosa</b> <i>Conr.</i>	Shore of Dead Sea.
229	xxii	130 <sup>3</sup>	<b>Paludina Phialensis</b> <i>Conr.</i>	Lake Phiala.

<sup>1</sup> Fig. 133.<sup>2</sup> Fig. 132.<sup>3</sup> Fig. 131.

**Gould.**—The Mollusca and Shells of the United States Exploring Expedition under Com. Wilkes: by A. A. GOULD, M. D. Boston, 1852. (Plates, 1856, according to title page, though they really appeared in 1861.)

[The following are the foreign species. For the American, vide p. 417. W. G. B.]

Pa.	Fig.		
1		<b>Anchorocophorus</b> <i>Gould</i> (n. g.)	
2	6-6 <sup>c</sup>	<b>bitentaculatus</b> <i>Gould</i> .	
		<i>Limax bitentaculatus</i> Quoy.	
4	3-3 <sup>b</sup>	<b>Limax olivaceus</b> <i>Gould</i> .	Paramatta, N. S. W.
5	4, 4 <sup>a</sup>	<b>fuliginosus</b> <i>Gould</i> .	Bay of Islands, N. Z.
5	5-5 <sup>b</sup>	<b>Vaginulus Taunaisii</b> <i>Fer</i> .	Rio Janeiro.
6	7-7 <sup>d</sup>	<b>Vitrina ruivensis</b> <i>Gould</i> .	Pico de Rufivo, Madeira.
7	12-12 <sup>c</sup>	<b>marcida</b> <i>Gould</i> .	Roche de Empeña, Mad.
9	8-8 <sup>b</sup>	<b>nitida</b> <i>Gould</i> .	Roche de Empeña, Mad.
10	11-11 <sup>b</sup>	<b>robusta</b> <i>Gould</i> .	New South Wales.
10	9, 9 <sup>a</sup>	<b>caperata</b> <i>Gould</i> .	Kauai.
11	10-10 <sup>c</sup>	<b>tenella</b> <i>Gould</i> .	Kauai.
12	13	<b>furva</b> <i>Gould</i> .	St. Anna, Madeira.
		<i>Helix furva</i> Lowe.	
13	31-31 <sup>c</sup>	<b>Succinea explanata</b> <i>Gould</i> .	Kauai.
13	16-16 <sup>b</sup>	<b>putamen</b> <i>Gould</i> .	Upolu.
15	14-14 <sup>c</sup>	<b>rotundata</b> <i>Gould</i> .	Oahu.
16	15-15 <sup>b</sup>	<b>cepulla</b> <i>Gould</i> .	Hawaii.
17	18-18 <sup>b</sup>	<b>tumbalis</b> <i>Gould</i> .	Hawaii, &c.
18	19, 19 <sup>a</sup>	<b>humerosa</b> <i>Gould</i> .	Tahiti.
19	26-26 <sup>d</sup>	<b>infundibuliformis</b> <i>Gould</i> .	Tahiti, &c.
20	28-28 <sup>b</sup>	<b>procera</b> <i>Gould</i> .	Tahiti, &c.
21	17, 17 <sup>a</sup>	<b>vesicalis</b> <i>Gould</i> .	Hawaii.
21	27-27 <sup>b</sup>	<b>pudorina</b> <i>Gould</i> .	Tahiti, &c.
22	25-25 <sup>b</sup>	<b>venusta</b> <i>Gould</i> .	Hawaii, &c.
23	24-24 <sup>b</sup>	<b>modesta</b> <i>Gould</i> .	Tahiti, &c.
24	22-22 <sup>c</sup>	<b>Magellanica</b> <i>Gould</i> .	Tierra del Fuego.
25	23-23 <sup>b</sup>	<b>Manuana</b> <i>Gould</i> .	Manua.
26	30-30 <sup>b</sup>	<b>caduca</b> <i>Mighels</i> .	Sandwich Islands.
27	20-20 <sup>b</sup>	<b>canella</b> <i>Gould</i> .	Mau.
28	21-21 <sup>b</sup>	<b>crocata</b> <i>Gould</i> .	Upolu, &c.
29	66, 66 <sup>a</sup>	<b>Nanina rubricata</b> <i>Gould</i> ( <i>Helix</i> ).	Lebouka.
31	68-68 <sup>b</sup>	<b>lurida</b> <i>Gould</i> ( <i>Helix</i> ).	Feejee Islands.
31	69-69 <sup>b</sup>	<b>casca</b> <i>Gould</i> .	Feejee Islands.
		<i>Helix calva</i> <i>Gould</i> .	
32		<b>fricata</b> <i>Gould</i> .	New South Wales.

[Gould, Exploring Expedition.]

Pa.	Fig.		
33	67-67 <sup>b</sup>	<b>Nanina scorio</b> Gould ( <i>Helix</i> ).	Feejee Islands.
34	65-65 <sup>c</sup>	<b>irradiata</b> Gould ( <i>Helix</i> ).	New Zealand.
35	47	<b>Helix intaminata</b> Gould.	Mangsi.
38	45-45 <sup>c</sup>	<b>spirillus</b> Gould.	Lima.
39	34-34 <sup>c</sup>	<b>lyrata</b> Gould.	Orange Harbor, Tierra d.
40	46-46 <sup>c</sup>	<b>pauzillus</b> Gould.	East Maui. [Fuego.
		<i>Helix pusillus</i> Gould.	
41	44-44 <sup>c</sup>	<b>zig-zag</b> Gould.	Taiaimi, New Zealand.
42	33-33 <sup>c</sup>	<b>saxatilis</b> Gould.	Orange Harbor, Tierra d.
43	73-73 <sup>c</sup>	<b>cicercula</b> Gould.	Hawaii. [Fuego.
44	72-72 <sup>c</sup>	<b>cryptoportica</b> Gould.	Oahu.
45	60-60 <sup>c</sup>	<b>pertenuis</b> Gould.	Metia Island.
46	59-59 <sup>c</sup>	<b>cultrata</b> Gould.	Tahiti, &c.
47	61-61 <sup>c</sup>	<b>exæquata</b> Gould.	Kauai.
48	63-63 <sup>c</sup>	<b>calculosa</b> Gould.	Tahiti.
48	62-62 <sup>c</sup>	<b>subtilissima</b> Gould.	Maui.
49	48-48 <sup>c</sup>	<b>gradata</b> Gould.	Tonga Island.
50	64-64 <sup>b</sup>	<b>fornicata</b> Gould.	Kauai.
50	49-49 <sup>c</sup>	<b>rubiginosa</b> Gould.	Kauai.
51	52-52 <sup>m</sup>	<b>bursatella</b> Gould.	Tahiti, &c.
53	50-50 <sup>c</sup>	<b>obolus</b> Gould.	Tahiti.
54	51-51 <sup>d</sup>	<b>dædalea</b> Gould.	Tahiti, &c.
55	52*-52* <sup>c</sup>	<b>hystrix</b> Mighels.	East Maui.
		<i>H. setigera</i> Gould.	
56	52†-52† <sup>c</sup>	<b>stellula</b> Gould.	Maui.
57	56-56 <sup>c</sup>	<b>Cressida</b> Gould.	Society Islands, &c.
58	55-55 <sup>c</sup>	<b>troilus</b> Gould.	Upolu, &c.
60	57-57 <sup>b</sup>	<b>Eurydice</b> Gould.	Tongataboo.
61	58-58 <sup>b</sup>	<b>trochiformis</b> Fer.	Eimeo, &c.
62	53-53 <sup>b</sup>	<b>tumulus</b> Gould.	Feejee Islands.
63	54	<b>tentoriolum</b> Gould.	Upolu.
64	32, 32 <sup>a</sup>	<b>nitidiuscula</b> Sowb.	Madeira.
64	43-43 <sup>b</sup>	<b>gulosa</b> Gould.	Mawana, N. S. Wales.
64		<b>pedestris</b> .	
71	70, 70 <sup>a</sup>	<b>Streptaxis contusa</b> Fer.	
		<i>Helix contundata</i> Fer.	
		<i>contusa</i> Fer.	
72	82, 82 <sup>a</sup>	<b>Bulimus morosus</b> Gould.	Feejee Islands.
72	84, 84 <sup>a</sup>	<b>elobatus</b> Gould.	Feejee Islands.
73	83, 83 <sup>a</sup>	<b>pruninus</b> Gould.	Madeira Island.
74	79, 79 <sup>a</sup>	<b>prolatus</b> Gould.	Santiago, Chili.
75	80, 80 <sup>a</sup>	<b>ciliatus</b> Gould.	Organ Mts., Brazil.
76	87-87 <sup>b</sup>	<b>junceus</b> Gould.	Tahiti, &c.

[Gould, Exploring Expedition.]

Pa.	Fig.		
77	86, 86 <sup>a</sup>	<b>Bulimus egregius</b> Pfr.	Rio Janeiro.
		<i>B. hybridus</i> Gould.	
78	75	<b>auris-leporis</b> Brug.	Rio Janeiro.
		<i>B. lagotis</i> Mke.	
		<i>Auricula leporis</i> Mke.	
		<i>Helix auris-leporis</i> Fer.	
		<i>Pupa auris-leporis</i> .	
		<i>Stenostoma auritura</i> Spix.	
		<i>Otostomus lagotis</i> Beck.	
78	76, 76 <sup>a</sup>	<b>proteus</b> Br.	Chili.
		<i>B. sordidus</i> Lam.	
		<i>Buliminus proteus</i> Beck.	
79	81-81 <sup>b</sup>	<b>Chilensis</b> Lam.	Chili.
		<i>Achatina Chilensis</i> Less.	
		<i>Bulimus granulatus</i> Br.	
		<i>Bulimulus graniger</i> Beck.	
79	85-85 <sup>b</sup>	<b>Shongii</b> Less.	Bay of Islands, N. Z.
80	77	<b>fulguratus</b> Jay.	Feejee Islands.
81	78	<b>malleatus</b> Jay.	Feejee Islands.
81	88, 88 <sup>a</sup>	<b>Partula conica</b> Gould.	Upolu, &c.
82	89, 89 <sup>a</sup>	<b>zebrina</b> Gould.	Upolu, &c.
83	90, 90 <sup>a</sup>	<b>pusilla</b> Gould.	Metia Island.
84	91	<b>Taheitana</b> Brug.	Honolulu.
		<i>P. auriculata</i> Brod.	
		<i>Bulimus auriculatus</i> Pfr.	
85	92	<b>varia</b> Brod.	
		<i>Bulimus varius</i> Pfr.	
85	93	<b>Vanikorensis</b> Quoy & Quim. ( <i>Helix</i> ).	
		<i>Bulimus Vanikorensis</i> Desh.	
85	94, 94 <sup>a</sup>	<b>Achatinella marmorata</b> Gould.	Maui.
86	95	<b>nubilosa</b> Gould.	Maui.
87	96, 96 <sup>a</sup>	<b>ellipsoidea</b> Gould.	Maui.
87	100, 100 <sup>a</sup>	<b>acuminata</b> Gould.	Kauai.
88	97, 97 <sup>a</sup>	<b>accincta</b> Mighels.	Oahu.
		<i>A. Sandwicensis</i> .	
89	98, 98 <sup>a</sup>	<b>guttula</b> Gould.	Maui.
90	99, 99 <sup>a</sup>	<b>cerealis</b> Gould.	Waianai, Oahu.
91	105-105 <sup>b</sup>	<b>Balea peregrina</b> Gould.	New Zealand.
91	101	<b>Megaspira elata</b> Gould.	Brazil.
		<i>Bulimus elatior</i> (var. $\gamma$ )	
92	103-103 <sup>b</sup>	<b>Vertigo tantilla</b> Gould.	[Pfr. Tahiti.
93	104-104 <sup>c</sup>	<b>Pupa peponum</b> Gould.	Oahu, &c.
94	114-114 <sup>c</sup>	<b>Helicina uberta</b> Gould.	Oahu, &c.
		<i>H. constricta</i> Pfr.	

[Gould, Exploring Expedition.]

Pa.	Fig.		
95	112	<b>Helicina Maugeriae</b> Gr.	Tahiti, &c.
95	111, 111 <sup>a</sup>	<b>beryllina</b> Gould.	Feejee Islands.
96	113-113 <sup>c</sup>	<b>pallida</b> Gould.	Feejee Islands.
97	106-106 <sup>c</sup>	<b>fulgora</b> Gould.	Manua.
98	107-107 <sup>b</sup>	<b>musiva</b> Gould.	Manua, &c.
99	108-108 <sup>c</sup>	<b>laciniosa</b> Mighels.	Kauai, &c.
99	109-109 <sup>c</sup>	<b>trochlea</b> Gould.	Metia Island.
100	110-110 <sup>c</sup>	<b>multicolor</b> Gould.	Tahiti, &c.
101	116, 116 <sup>a</sup>	<b>Cyclostoma tiara</b> Gould.	Upolu.
102	117-117 <sup>b</sup>	<b>strigatum</b> Gould.	Upolu.
103	118-118 <sup>b</sup>	<b>plicatum</b> Gould.	Upolu.
104	119, 119 <sup>a</sup>	<b>obligatum</b> Gould.	Metia Island.
105	124-124 <sup>b</sup>	<b>diatretum</b> Gould.	Feejee Islands.
105	121-121 <sup>b</sup>	<b>roseum</b> Gould.	Feejee Islands.
106	120-120 <sup>b</sup>	<b>terebrale</b> Gould.	Tahiti, &c.
107	122, 122 <sup>a</sup>	<b>vallatum</b> Gould.	Tonga Island.
108	123-123 <sup>b</sup>	<b>scitulum</b> Gould.	Tahiti, &c.
109	126-126 <sup>b</sup>	<b>Truncatella Vitiana</b> Gould.	Feejee Islands.
110	125-125 <sup>b</sup>	<b>aurantia</b> Gould.	Mangsi Island.
110	127-127 <sup>b</sup>	<b>porrecta</b> Gould.	Tahiti.
111	128-128 <sup>b</sup>	<b>rostrata</b> Gould.	Rio Janeiro.
114	133	<b>Planorbis kermatoides</b> D'Or.	Lima.
114		<b>ferrugineus</b> Spix.	
115	134-134 <sup>b</sup>	<b>Physa venustula</b> Gould.	Lima.
116	136-136 <sup>b</sup>	<b>tabulata</b> Gould.	Bay of Islands, N. Z.
117	137, 137 <sup>a</sup>	<b>gibbosa</b> Gould.	Paramatta, N. S. W.
118	139-139 <sup>b</sup>	<b>sinuata</b> Gould.	Feejee Islands.
118	140-140 <sup>b</sup>	<b>reticulata</b> Gould.	Sandwich Islands.
120	135	<b>rivalis</b> Pot. & Mich.	Lima.
122	142-142 <sup>b</sup>	<b>Limnea volutata</b> Gould.	Oahu.
123	145, 145 <sup>a</sup>	<b>Dombeya fasciata</b> Gould.	Chili.
124	143, 143 <sup>a</sup>	<b>obovata</b> Gould.	Chili.
124	144, 144 <sup>a</sup>	<b>fluminea</b> D'Orb.	Patagonia.
		<i>Chilina fluminea</i> Gray.	
		<i>Voluta fluminea</i> Maton.	
125	495-495 <sup>b</sup>	<b>Ancylus aduncus</b> Gould.	Madeira.
126	150-150 <sup>b</sup>	<b>Ammicola badia</b> Gould.	Tipooa, New Zealand.
127	151-151 <sup>b</sup>	<b>gracilis</b> Gould.	Tipooa, New Zealand.
128	147, 147 <sup>a</sup>	<b>Ampullaria columellaris</b> Gld.	Mayras, Peru.
129	149-149 <sup>b</sup>	<b>Ammicola corolla</b> Gould.	Banks Pen, New Zeal'd.
		<i>Melania corolla</i> Gould.	
130	152-152 <sup>b</sup>	<b>Cingula Peteningensis</b> Gould.	Rio de Janeiro.
130	146-146 <sup>b</sup>	<b>Melanopsis Zeylandica</b> Gould.	New Zealand.
132	154-154 <sup>c</sup>	<b>cybele</b> Gould.	Feejee Islands, &c.

[Gould, Exploring Expedition.]

Page.	Fig.		
133	153-153 <sup>b</sup>	<b>Melanopis tetrica</b> <i>Gould.</i>	Feejee Islands, &c.
133	155-155 <sup>b</sup>	<b>terpsichore</b> <i>Gould.</i>	Feejee Islands, &c.
134	156-156 <sup>e</sup>	<b>scipio</b> <i>Gould.</i>	Feejee Islands, &c.
136	159-159 <sup>c</sup>	<b>lutosa</b> <i>Gould.</i>	Upolu.
137	161-161 <sup>b</sup>	<b>corporosa</b> <i>Gould.</i>	Tahiti.
138	157-157 <sup>b</sup>	<b>Vainafa</b> <i>Gould.</i>	Upolu.
139	162, 162 <sup>a</sup>	<b>furforosa</b> <i>Gould.</i>	Manilla.
140	158-158 <sup>b</sup>	<b>scitula</b> <i>Gould.</i>	Upolu.
142	160-160 <sup>c</sup>	<b>perpinguis</b> <i>Hinds.</i>	Feejee Islands, &c.
145	170-170 <sup>b</sup>	<b>Cerithium sordidulum</b> <i>Gould.</i>	
146	169-169 <sup>b</sup>	<b>invaginatum</b> <i>Gould.</i>	Feejee Islands.
147	167-167 <sup>b</sup>	<b>aduncum</b> <i>Gould.</i>	Mindanao.
148	168, 168 <sup>a</sup>	<b>irroratum</b> <i>Gould.</i>	
148	174-174 <sup>d</sup>	<b>cælatum</b> <i>Couth.</i>	Orange Har., T. d. Fuego.
150	172-172 <sup>b</sup>	<b>pusillum</b> <i>Gould.</i>	Sandwich Islands.
151	171-171 <sup>b</sup>	<b>egenum</b> <i>Gould.</i>	Wilson's Island.
152	173-173 <sup>b</sup>	<b>janthinum</b> <i>Gould.</i>	Clermont-Tonnere.
153		<b>Pelex</b> <i>Gould</i> (n. g.)	
153	176-176 <sup>d</sup>	<b>lateralis</b> <i>Gould.</i>	Wangarara, N. Zealand.
155	177-177 <sup>b</sup>	<b>Navicella Freycineti</b> <i>Recl.</i>	Macassar.
156	178, 178 <sup>a</sup>	<b>porcellana</b> <i>Chemn.</i>	
		<i>N. elliptica</i> <i>Lam.</i>	
156	187-187 <sup>b</sup>	<b>Neritina cholericæ</b> <i>Chemn.</i>	Feejee Islands.
157	191, 191 <sup>a</sup>	<b>porcata</b> <i>Gould.</i>	Samoa Island.
158	188, 188 <sup>a</sup>	<b>chrysocolla</b> <i>Gould.</i>	Upolu.
159	192, 192 <sup>a</sup>	<b>amœna</b> <i>Gould.</i>	
160	190, 190 <sup>a</sup>	<b>siderea</b> <i>Gould.</i>	Upolu.
161	182, 182 <sup>a</sup>	<b>canalis</b> <i>Sowb.</i>	Society Island.
161	179	<b>granosa</b> <i>Sowb.</i>	Sandwich Islands.
161	181	<b>Taitensis</b> <i>Soul.</i>	
162	180	<b>Lamarckii</b> <i>Desh.</i>	
		<i>N. auriculata</i> <i>Sowb.</i>	
162		<b>Nuttallii</b> <i>Recl.</i>	
163	183	<b>gagates</b> <i>Desh.</i>	
163	193	<b>undata</b> <i>Desh.</i>	
		<i>Clithon undatus</i> <i>Less.</i>	
		<i>N. spinosa</i> <i>Sowb.</i>	
163	184, 184 <sup>a</sup>	<b>cornea</b> <i>Linn.</i>	Feejee Islands.
		<i>N. ampullaria</i> <i>Less.</i>	
		<i>zebra</i> <i>Chemn.</i>	
		<i>dubia</i> <i>Chemn.</i>	
164	185, 185 <sup>a</sup>	<b>ruginosa</b> <i>Recl.</i>	Samoa and Friendly Isl.
164	191	<b>caffra</b> <i>Gray.</i>	Tahiti.



[Gould, Exploring Expedition.]

Page.	Fig.		
165		<b>Neritina Turtoni</b> <i>Rve.</i>	Feejee Islands.
		<i>N. helvola</i> Gould.	/
165	197, 197 <sup>a</sup>	<b>Nerita musiva</b> <i>Gould.</i>	
166	195, 195 <sup>a</sup>	<b>crassa</b> <i>Gould.</i>	
167		<b>plicata</b> <i>Linn.</i>	
167	194, 194 <sup>a</sup>	<b>albicilla</b> <i>Linn.</i>	
167	196, 196 <sup>a</sup>	<b>undata</b> <i>Linn.</i>	
169	198-198 <sup>c</sup>	<b>Turbo setosus</b> <i>Chemn.</i>	Clermont Tonnerre.
170	199-199 <sup>b</sup>	<b>argyrostomus</b> <i>Chemn.</i>	
170	200	<b>sparverius</b> <i>Gmel.</i>	
171	201, 201 <sup>a</sup>	<b>petholatus</b> <i>Linn.</i>	
171	212, 212 <sup>a</sup>	<b>niger</b> <i>Gray.</i>	Callao and Valparaiso.
171	202-202 <sup>b</sup>	<b>confragosus</b> <i>Gould.</i>	Dean's Island, Paumatu
173	203-203 <sup>d</sup>	<b>sirius</b> <i>Gould.</i>	New Holland.
174	204-204 <sup>c</sup>	<b>laciniatus</b> <i>Gould.</i>	Manilla.
175	221-221 <sup>c</sup>	<b>Trochus bicrenatus</b> <i>Gould.</i>	
175	210-210 <sup>c</sup>	<b>gradatus</b> <i>Gould.</i>	
176	220-220 <sup>b</sup>	<b>circumsutus</b> <i>Gould.</i>	Madagascar?
177	209-209 <sup>b</sup>	<b>jucundus</b> <i>Gould.</i>	New Zealand.
178	216-216 <sup>c</sup>	<b>elisis</b> <i>Gould.</i>	Singapore.
179	217-217 <sup>c</sup>	<b>acinosus</b> <i>Gould.</i>	New Zealand.
180	205-205 <sup>b</sup>	<b>pruninus</b> <i>Gould.</i>	Auckland Island.
181	206-206 <sup>b</sup>	<b>texturatus</b> <i>Gould.</i>	
182	211	<b>ater</b> <i>Less.</i>	Valparaiso and Callao.
182	213	<b>Araucanus</b> <i>D'Orb.</i>	Valparaiso, &c.
183		<b>mæstus</b> <i>Jonas.</i>	
183	223, 223 <sup>a</sup>	<b>colubrinus</b> <i>Gould.</i>	Funchal.
184	215-215 <sup>b</sup>	<b>tantillus</b> <i>Gould.</i>	Sandwich Islands.
186	208-208 <sup>b</sup>	<b>pupillus</b> <i>Gould.</i>	New Zealand.
187	218-218 <sup>c</sup>	<b>amcenus</b> <i>Gould.</i>	Feejee Islands.
188	219-219 <sup>c</sup>	<b>spurcus</b> <i>Gould.</i>	[ <i>Gould.</i> Madeira Island.
189	224-224 <sup>d</sup>	<b>(Monodonta) atropurpureus</b> <i>Tutuila.</i>	
190	225-225 <sup>c</sup>	<b>instrictus</b> <i>Gld.</i>	Pacific Ocean.
191	222-222 <sup>b</sup>	<b>rotellinus</b> <i>Gld.</i>	Mangsi.
192	227, 227 <sup>a</sup>	<b>(Bembicium) squamiferus</b> <i>Koch.</i>	
192	228-228 <sup>c</sup>	<b>Margarita Magellanica</b> <i>Gld.</i>	Orange Har., T. d. Fuego.
193	230-230 <sup>b</sup>	<b>persica</b> <i>Gould.</i>	Cape Horn.
194	229-229 <sup>c</sup>	<b>conica</b> <i>D'Orb.</i>	Patagonia. [30' W.
195	252, 252 <sup>a</sup>	<b>Litiopa decussata</b> <i>Gould.</i>	Lat. 37° 40' N., long. 54°
196	226-226 <sup>c</sup>	<b>Solarium egenum</b> <i>Gould.</i>	New Zealand.
198	240-240 <sup>b</sup>	<b>Littorina caliginosa</b> <i>Gould.</i>	Tierra del Fuego.
200	239-239 <sup>b</sup>	<b>acuminata</b> <i>Gould.</i>	Mangsi Island.
202	235, 235 <sup>a</sup>	<b>obesa</b> <i>Sowb.</i>	Clermont Tonnerre, &c.
202	234, 234 <sup>a</sup>	<b>pyramidalis</b> <i>Quoy &amp; Gaim.</i>	

[Gould, Exploring Expedition.]

Page.	Fig.		
203	233, 233 <sup>a</sup>	<b>Littorina grandinosa</b> <i>Desh.</i>	
		<i>Trochus grandinosa</i> Chemn.	
		<i>bullatus</i> Martyn.	
		<i>Monodonta papillosa</i> Lam.	
203		<b>Peruviana</b> <i>Gray.</i>	Valparaiso, &c.
		<i>Turbo zebra</i> Wood. [Lam.]	
		<i>Phasianella Peruviana</i>	
203	251-251 <sup>b</sup>	<b>Planaxis lineolatus</b> <i>Gould.</i>	Wilson's Island.
204	242-242 <sup>b</sup>	<b>Melampus mucronatus</b> <i>Gould.</i>	Raraka Island.
205	245-245 <sup>b</sup>	<b>Scalaria gracilentia</b> <i>Gould.</i>	Mangsi Island.
206	244-244 <sup>b</sup>	<i>texturata</i> <i>Gould.</i>	
206		<i>australis</i> <i>Lam.</i>	
207	246-247	<b>Stylifer acicula</b> <i>Gould.</i>	Feejee Islands.
208	248, 248 <sup>a</sup>	<b>Haliotis crispata</b> <i>Gould.</i>	New Holland.
209	249-249 <sup>b</sup>	<b>Stomatella tumida</b> <i>Gould.</i>	Singapore, &c.
210	250-250 <sup>b</sup>	<i>decolorata</i> <i>Gould.</i>	Mangsi Island.
213	255, 255 <sup>a</sup>	<b>Natica dilecta</b> <i>Gould.</i>	Rio Negro, Patagonia.
215	257, 257 <sup>a</sup>	<i>soluta</i> <i>Gould.</i>	South America.
215		<b>Ampullacea Busbyi</b> <i>Gould.</i>	New Zealand.
		<i>Helix busbyi</i> <i>Gray.</i>	
216	259-259 <sup>c</sup>	<b>Sigaretus antarcticus</b> <i>Couth.</i>	Orange Harbor.
217	260-260 <sup>b</sup>	<i>prætenuis</i> <i>Gould.</i>	Orange Harbor.
217	261-261 <sup>c</sup>	<b>Rissoa ambigua</b> <i>Gould.</i>	Clermont Tonnerre.
		<i>Pyramidella ambigua</i> <i>Gld.</i>	
218	263-263 <sup>b</sup>	<b>Tornatella bullata</b> <i>Gould.</i>	Patagonia.
220	267, 267 <sup>a</sup>	<b>Bulla parallela</b> <i>Gould.</i>	
220	264	<i>bifasciata</i> <i>Mart. &amp; Ch.</i>	Feejee Islands.
		<i>B. ampulla</i> (var.) <i>Linn.</i>	
221	266, 266 <sup>a</sup>	<i>rubiginosa</i> <i>Gould.</i>	Rio de Janeiro.
222	265-265 <sup>d</sup>	<i>diaphana</i> <i>Gould.</i>	Rio de Janeiro.
223	268	<b>Aplysia pulmonica</b> <i>Gould.</i>	Tutuila.
223	269, 269 <sup>a</sup>	<b>Bursatella lacinulata</b> <i>Gould.</i>	Rio de Janeiro.
224		<b>Stylocheilus</b> <i>Gould.</i> (n. g.)	
225	270-270 <sup>b</sup>	<i>lineolatus</i> <i>Gould.</i>	Honolulu.
226	271	<i>quercinus</i> <i>Gould.</i>	Feejee Islands.
226	272	<b>Janthina exigua</b> <i>Lam.</i>	Lat. 18° 20' S., long. 132°
227	273	<i>fragilis.</i>	[W.]
227	276	<b>Pyrula deformis</b> <i>Lam.</i> [Kein.]	Tutuila.
		<i>Purpura abbreviata</i> (var.)	
227	277-277 <sup>b</sup>	<b>Fusus Geversianus</b> <i>Pallas.</i>	
		<i>Buccinum fimbriatum</i> <i>Mart.</i>	
		<i>Murex Magellanicus</i> <i>Gmel.</i>	
228	278	<b>Iaciniatus</b> <i>Martyn.</i>	Orange Harbor.
229	279-279 <sup>c</sup>	<b>crispus</b> <i>Gould.</i>	Orange Harbor.

## [Gould, Exploring Expedition.]

Page.	Fig.		
230	280	<b>Fusus decolor</b> Phil.	Orange Harbor.
230	281, 281 <sup>a</sup>	<b>plumbeus</b> Phil.	
231	282-282 <sup>b</sup>	<b>liratus</b> Couth.	Orange Harbor.
232	283, 283 <sup>a</sup>	<b>incisus</b> Gould.	New Zealand?
235	286, 286 <sup>a</sup>	<b>sublatus</b> Gld. [sus Gld.	
236	287, 287 <sup>a</sup>	<b>Murex (Trophon) fructico-</b>	
237	288, 288 <sup>a</sup>	<b>Monoceros imbricatum</b> Lam.	Orange Harbor.
		<i>Buccinum calcar</i> Martyn.	
		<i>Monoceros breve</i> Sowb.	
237	290, 290 <sup>a</sup>	<b>Turbinella cornigera</b> Lam.	
238	289	<b>amplustre</b> Kien.	Honden Island.
		<i>Buccinum amplustre</i> Mart.	
		<i>Murex amplustre</i> Chemn.	
238	291	<b>armata</b> Brod.	Honden Island.
239	292	<b>Triton variegatum</b> Lam.	Tutuilla, &c.
		<i>Murex tritonis</i> Linn.	
239	295	<b>tuberosum</b> Lam.	Lebuka.
240		<b>productum</b> Gould.	Pacific.
		<i>T. tuberosum</i> Rumph. &c.	
240	293	<b>anus</b> Lam.	Lebuka.
240	294, 294 <sup>a</sup>	<b>distortum</b> Sch. & Wagn.	Paumotu Island.
241	298-298 <sup>c</sup>	<b>cancellatum</b> Lam.	
		<i>Murex Magellanicus</i> Chemn.	
242	299	<b>Ranella bufonia</b> Gmel.	Gardner's Isl., Paumotu
242	300, 300 <sup>a</sup>	<b>gyrinus</b> Linn.	Tutuilla. [Isl.
		<i>Murex gyrinus</i> Linn.	
		<i>R. ranina</i> Lam.	
242	301-301 <sup>b</sup>	<b>vexillum</b> Sowb.	Orange Har., T. d. Fuego.
243	302, 302 <sup>a</sup>	<b>ventricosa</b> Brod.	
244	309, 309 <sup>a</sup>	<b>Purpura tæniata</b> Powis.	Honden Island.
245		<b>armigera</b> Lam.	Paumotu Group.
245		<b>scobina</b> Quoy & Gaim.	New Zealand.
246		<b>succincta</b> Lam.	
		<i>Buccinum orbita</i> Chemn.	
		<i>P. orbita</i> Sowb.	
246	304, 304 <sup>a</sup>	<b>elongata</b> Blainv.	Metia Island.
		<i>P. fenestrata</i> Quoy & Guim.	
246	306	<b>violacea</b> Kien.	Feejee Islands.
		<i>Pyrgula neritoidea</i> Lam.	
		<i>Purpura neritoidea</i> Qu.&G.	
247	305	<b>Ricinula tuberculata</b> Blainv.	Paumotu Group.
247		<b>horrida</b> Lam.	Paumotu Group.
247	307	<b>arachnoides</b> Lam.	Paumotu Group.
248	308	<b>clathrata</b> Lam.	Paumotu Group.

[Gould, Exploring Expedition.]

Page.	Fig.		
248	312, 312 <sup>a</sup>	<b>Pleurotoma seminifera</b> <i>Gld.</i>	
249	311, 311 <sup>a</sup>	<i>tigrina</i> <i>Lam.</i>	Upolu.
250	313-313 <sup>a</sup>	<b>Mangelia cithara</b> <i>Gould.</i>	Feejee Islands.
250	314-314 <sup>b</sup>	<b>Terebra crenulata</b> <i>Linn.</i>	
251		<i>dimidiata</i> <i>Linn.</i>	
251	315	<i>Babylonia</i> <i>Lam.</i>	
251	316	<i>lævigata</i> <i>Gray.</i>	
251	317	<i>subulata</i> <i>Linn.</i>	
251	318	<i>cærulescens</i> <i>Lam.</i>	
252	319, 319 <sup>a</sup>	<b>Buccinum velatum</b> <i>Gould.</i>	Mindanao.
253	320, 320 <sup>a</sup>	<i>funereum</i> <i>Gould.</i>	New Zealand.
255	313, 313 <sup>a</sup>	<i>farinosum</i> <i>Gould.</i>	Kauai.
256	324, 324 <sup>a</sup>	<b>Nassa musiva</b> <i>Gould.</i>	Cape de Verd Island.
257	325-325 <sup>b</sup>	<i>lurida</i> <i>Gould.</i>	Tutuilla.
258	326-326 <sup>c</sup>	<i>curta</i> <i>Gould.</i>	Samoa Island.
259	327-327 <sup>b</sup>	<i>cinctella</i> <i>Gould.</i>	Pacific Islands.
260	328-328 <sup>b</sup>	<i>casta</i> <i>Gould.</i>	Pacific Islands.
261	329-329 <sup>b</sup>	<i>acinosa</i> <i>Gould.</i>	
262	330-330 <sup>b</sup>	<i>paupera</i> <i>Gould.</i>	Pacific Islands.
265	336, 336 <sup>a</sup>	<i>lilacina</i> <i>Gould.</i>	Clermont Tonnerre.
266	333, 333 <sup>a</sup>	<i>muricata</i> <i>Quoy.</i>	
266	334	<i>granifera</i> <i>Kien.</i>	
268	338, 338 <sup>a</sup>	<b>Columbella valga</b> <i>Gould.</i>	Brazil?
269	339-339 <sup>b</sup>	<i>castanea</i> <i>Gould.</i>	Rio Janeiro.
270	341, 341 <sup>a</sup>	<i>mendicaria</i> <i>Linn.</i>	
270	342	<i>ligula</i> <i>Ducl.</i>	
270	352	<b>Mitra vitellina</b> <i>Gould.</i>	East Indies?
271	355, 355 <sup>a</sup>	<i>cophina</i> <i>Gould.</i>	Singapore.
272	354, 354 <sup>a</sup>	<i>rorata</i> <i>Gould.</i>	
273	351-351 <sup>b</sup>	<i>capillata</i> <i>Gould.</i>	Madeira.
274	356-356 <sup>b</sup>	<i>encausta</i> <i>Gould.</i>	Feejee Islands.
275	353-353 <sup>b</sup>	<i>fidicula</i> <i>Gould.</i>	
276	344 bis.	<i>ambigua</i> <i>Swains.</i>	
276	344, 344 <sup>a</sup>	<i>adusta</i> <i>Lam.</i>	Vincennes Island.
276	345	<i>acuminata</i> <i>Swains.</i>	Raraka.
		<i>M. lutea</i> <i>Quoy.</i>	
277	346, 346 <sup>a</sup>	<i>virgata</i> <i>Rve.</i>	Clermont Tonnerre.
		<i>M. retusa</i> (var. <i>Gray.</i> )	
277	347	<i>maculosa</i> <i>Rve.</i>	
277	348	<i>nodosa</i> <i>Swains.</i>	Clermont Tonnerre.
		<i>M. fraga</i> <i>Quoy &amp; Gaim.</i>	
		<i>tuberculata</i> <i>Kien.</i>	
278	349	<i>elegans</i> <i>Rve.</i>	Feejee Islands.

[Gould, Exploring Expedition.]

Page.	Fig.		
278	350	<b>Mitra exasperata</b> Chemn. <i>M. torulosa</i> Lam.	Feejee Islands.
278	342	<i>filosa</i> Born.	Feejee Islands.
278	357	<b>Voluta Magellanica</b> Gmel. <i>V. ancilla</i> Lam.	Orange Harbor.
279		<i>ancilla</i> Sol. <i>V. Magellanica</i> Lam. <i>gracilis</i> Wood's Sup.	Cape Horn.
280	359	<b>Melo Broderipii</b> Gray. <i>M. regius</i> Brod.	China Seas.
281	380	<b>Oliva carneola</b> Gmel.	Feejees.
281	370	<b>Cypræa testudinaria</b> Linn.	Upolu, &c.
281		<i>tigris</i> Linn.	Feejees, &c.
282	371, 371 <sup>a</sup>	<b>reticulata</b> Martyn. <i>C. maculata</i> Barnes. <i>histrion</i> Kien.	Paumotu Group.
282	372, 372 <sup>a</sup>	<b>fimbriata</b> Gmel.	Paumotu Group.
283	374, 374 <sup>a</sup>	<b>anellus</b> Linn.	Tutuilla.
283	373, 373 <sup>a</sup>	<b>caurica</b> Linn.	Tutuilla.
283		<b>felina</b> Gmel.	Tutuilla.
284		<b>errones</b> Linn. <i>C. olivacea</i> Lam.	Lebuka.
284	376	<b>Humphreysii</b> Gray. <i>C. lutea</i> Desh.	Sandalwood Bay.
284	375, 375 <sup>a</sup>	<b>poraria</b> Linn.	Benga Island.
284		<b>carneola</b> Linn.	Lebuka.
285	369	<b>lynx</b> Linn.	Feejee Islands.
285	378	<b>eburna</b> Barnes.	Feejee Islands, &c.
285	377	<b>arenosa</b> Gray.	Tahiti.
286	379	<b>obvelata</b> Lam.	Tutuilla.
286	367, 367 <sup>a</sup>	<b>Conus dilectus</b> Gould.	Feejee Islands.
287	361	<b>vexillum</b> Mart.	Tutuilla.
287	364, 364 <sup>a</sup>	<b>miles</b> Mart.	Honden Island.
288		<b>Hebræus</b> Linn.	Clermont Tonnerre.
288	365	<b>nanus</b> Brod.	Tutuilla.
289	363	<b>sponsalis</b> Brug.	Clermont Tonnerre.
289	362, 362 <sup>a</sup>	<b>miliaris</b> Brug.	Clermont Tonnerre.
290	366	<b>minimus</b> Linn.	Pacific Island.
290	382, 382 <sup>a</sup>	<b>Peronia indolens</b> Couth.	Rio de Janeiro.
291	383-283 <sup>b</sup>	<b>irrorata</b> Gould.	Bay of Islands, N. Z.
291	384, 384 <sup>a</sup>	<b>acinosa</b> Gould.	Feejee Islands.
292	386-386 <sup>c</sup>	<b>marginata</b> Couth.	Orange Harbor.
293	385, 385 <sup>a</sup>	<b>corpulenta</b> Gould.	Direction Isl., Feejees.
293	387-387 <sup>c</sup>	<b>Doris vermicelli</b> Gould.	Valparaiso.

## [Gould, Exploring Expedition.]

Page.	Fig.		
294	388-388 <sup>c</sup>	<b>Doris plumulata</b> Gould.	Orange Harbor.
295	389-389 <sup>c</sup>	<i>luteola</i> Gould.	Orange Harbor.
296	390-390 <sup>c</sup>	<i>smaragdina</i> Gould.	Paumotu Group.
295	391, 391 <sup>a</sup>	<i>petechialis</i> Gould.	Oahu.
297	392-392 <sup>b</sup>	<i>lilacina</i> Gould.	Oahu.
298	393-393 <sup>c</sup>	<i>cerebralis</i> Gould.	Feejee Islands.
299	394, 394 <sup>a</sup>	<i>aurita</i> Gould.	Feejee Islands.
300	395-395 <sup>b</sup>	<i>spiraculata</i> Gould.	Feejee Islands.
301	396-396 <sup>c</sup>	<i>superba</i> Gould.	Tutuilla.
302	397-397 <sup>b</sup>	<i>cardinalis</i> Gould.	Honolulu.
303	398, 398 <sup>a</sup>	<i>sumptuosa</i> Gould.	Tonga Island.
304	399-399 <sup>c</sup>	<i>aspersa</i> Gould.	Paumotu.
304	400-400 <sup>c</sup>	<i>dorsalis</i> Gould.	Eimeo.
305	401-401 <sup>d</sup>	<b>Eolis attenuatus</b> Gould.	Chili.
306	402-402 <sup>c</sup>	<i>cyanella</i> Gould. [Gould.	Chili.
307	407-407 <sup>c</sup>	<b>Placobranchus ianthobaptus</b>	Honolulu.
307	406, 406 <sup>a</sup>	<b>Diphyllidia rubida</b> Gould.	Honolulu.
308	405, 405 <sup>a</sup>	<b>Elysia lobata</b> Gould.	Honolulu.
308	403-403 <sup>c</sup>	<b>Tritonia cucullata</b> Gould.	Rio Janeiro.
311	408, 408 <sup>a</sup>	<b>Umbrella Indica.</b>	Sandwich Islands.
312	437, 437 <sup>a</sup>	<b>Chiton quercinus</b> Gould.	New South Wales.
315	432, 432 <sup>a</sup>	<i>incanus</i> Gould.	New South Wales.
316	419-419 <sup>b</sup>	<i>pruinus</i> Gould.	Rio Janeiro.
317	430	<i>jugosus</i> Gould.	New South Wales.
318	413-413 <sup>c</sup>	<i>viridulus</i> Gould.	Orange Harbor.
319	428, 428 <sup>a</sup>	<i>fruticosus</i> Gould.	New South Wales.
320	431, 431 <sup>a</sup>	<i>platessa</i> Gould.	New South Wales.
321	433-433 <sup>b</sup>	<i>dentiens</i> Gould.	
322	423-423 <sup>b</sup>	<i>interstinctus</i> Gould.	
323	426, 426 <sup>a</sup>	<i>vespertinus</i> Gould.	
324	412-412 <sup>d</sup>	<i>puniceus</i> Couth.	Tierra del Fuego.
325	414, 414 <sup>a</sup>	<i>jaspideus</i> Gould.	Callao.
326	418-418 <sup>b</sup>	<i>asperrimus</i> Couth.	Rio Janeiro.
326	411-411 <sup>c</sup>	<i>castaneus</i> Couth.	Orange Harbor.
327	434-434 <sup>b</sup>	<i>confossus</i> Gould.	Feejee Islands.
328	435-435 <sup>b</sup>	<i>petaloides</i> Gould.	Sandwich Islands.
329	417	<i>disjunctus</i> Fremb.	Villamar, Chili.
329	415	<i>atratus</i> Sowb.	Orange Harbor.
330		<i>lignosus</i> Gould.	
		<i>C. Merckii</i> Midd.	
331	420-420 <sup>b</sup>	<i>violaceus</i> Quoy & Gaim.	New Zealand.
332	422	<i>Peruvianus</i> Lam.	
332	416	<i>lineolatus</i> Fremb.	Valparaiso.
332		<i>australis</i> Sowb.	

[Gould, Exploring Expedition.]

Page.	Fig.		
333	410	<b>Chiton Zelandicus</b> <i>Quoy &amp; Gaim.</i>	
333	429, 429 <sup>a</sup>	<b>Chitonellus fasciatus</b> <i>Quoy &amp;</i>	
333	421	<b>Chiton Janeirensis</b> <i>Swb.</i> [Ga. Rio Janeiro.	
333	427	<b>Coquimbensis</b> <i>Fremb.</i>	
334	452-452 <sup>b</sup>	<b>Patella talcosa</b> <i>Gould.</i>	Hawaii.
335	448, 448 <sup>a</sup>	<b>citrullus</b> <i>Gould.</i>	Funchal, Madeira.
336	446-446 <sup>b</sup>	<b>luctuosa</b> <i>Gould.</i>	New Zealand.
337	449-449 <sup>c</sup>	<b>sagittata</b> <i>Gould.</i>	Feejee Islands.
338	439-439 <sup>b</sup>	<b>piperata</b> <i>Gould.</i>	Cape de Verd Isl., Mad.
339	440-440 <sup>e</sup>	<b>Paumotensis</b> <i>Gould.</i>	Paumotu Island.
340	441-441 <sup>b</sup>	<b>illuminata</b> <i>Gould.</i>	Auckland Island.
341	442, 442 <sup>a</sup>	<b>cymbularia</b> <i>Lam.</i>	Lat. 47° 50' S., long. 60°
		<i>P. mytilina</i> Sch. & Wagn.	[W. (floating.)
		<i>cymbuloides</i> D'Orb.	
341	444, 444 <sup>a</sup>	<b>deaurata</b> <i>Gmel.</i>	Orange Harbor.
		<i>P. Magellanica</i> <i>Gmel.</i>	
		<i>fusca</i> <i>Dill.</i>	
343	443, 443 <sup>a</sup>	<b>ferruginea</b> <i>Wood.</i>	Orange Harbor.
343		<b>tramoserica</b> <i>Chemn.</i>	New Zealand.
345	447-447 <sup>b</sup>	<b>cinnamomea</b> <i>Gould.</i>	New South Wales.
345	451	<b>argentata</b> <i>Gray.</i>	Valparaiso.
347	450-450 <sup>b</sup>	( <b>Lottia</b> ) <b>araneosa</b> <i>Gould.</i>	Sooloo Sea.
350	453-453 <sup>c</sup>	<b>Lottia cymbiola</b> <i>Gould.</i>	Valparaiso.
352	460, 460 <sup>a</sup>	<b>zebrina</b> <i>Less.</i>	Vigna del Mar, Valpa-
		<i>L. variabilis</i> <i>Gray.</i>	[raiso.
353	459, 459 <sup>a</sup>	<b>viridula</b> <i>Lam. (Patella.)</i>	Valparaiso.
355	461-461 <sup>b</sup>	<b>onychina</b> <i>Gould.</i>	Rio Janeiro?
356		<b>scutum</b> <i>Esch.</i>	Valparaiso.
		<i>Acmæa persona</i> <i>Esch.</i>	
		<i>radiata</i> <i>Esch.</i>	
		<i>anceylus</i> <i>Esch.</i>	
356		? <b>scurra</b> <i>Less.</i>	Valparaiso.
357	467-467 <sup>b</sup>	<b>Siphonaria cornuta</b> <i>Gould.</i>	Sooloo Sea.
358	465-465 <sup>b</sup>	<b>inculta</b> <i>Gould.</i>	New Zealand.
359	468-468 <sup>b</sup>	<b>normalis</b> <i>Gould.</i>	Sandwich Islands.
360	466-466 <sup>c</sup>	<b>lepidia</b> <i>Gould.</i>	Rio Janeiro.
361	463-463 <sup>b</sup>	<b>Lessoni</b> <i>Blainv.</i>	Cape Horn.
362	464-464 <sup>b</sup>	<b>antarctica</b> <i>Couth.</i>	
363	462-462 <sup>b</sup>	<b>lateralis</b> <i>Couth.</i>	Orange Harbor.
364	473-473 <sup>d</sup>	<b>Fissurella occidentens</b> <i>Gould.</i>	Callao.
365	474-474 <sup>c</sup>	<b>cruciata</b> <i>Gould.</i>	Sooloo Sea.
366	472-472 <sup>c</sup>	<b>verna</b> <i>Gould.</i>	Cape de Verd Islands.
367	469, 469 <sup>a</sup>	<b>picta</b> <i>Lam.</i>	Orange Harbor.
370	477-477 <sup>c</sup>	<b>Rimula conica</b> <i>D'Orb.</i>	Cape Horn.

[Gould, Exploring Expedition.]

Page.	Fig.		
371	478-478 <sup>c</sup>	<b>Fissurella cognata</b> <i>Gould.</i>	Orange Harbor.
372	493-493 <sup>c</sup>	<b>Emarginula aspera</b> <i>Gould.</i>	Sydney, N. S. Wales.
373	492-492 <sup>c</sup>	<b>ossea</b> <i>Gould.</i>	Feejee Islands.
373	494-494 <sup>c</sup>	<b>cinerea</b> <i>Gould.</i>	Feejee Islands.
374	491-491 <sup>c</sup>	<b>fungina</b> <i>Gould.</i>	Samoa Island.
377	479	<b>costata</b> <i>Desh.</i> [rum Sowb.]	
378	483-483 <sup>c</sup>	<b>Leptoconchus madrepora-</b> <i>Purpura monodonta</i> Q. & G. <i>madreporarum</i> Sb.	Samoa Island.
379	490-490 <sup>c</sup>	<b>Hipponix imbricata</b> <i>Gould.</i>	Sandwich Islands.
380	487-487 <sup>d</sup>	<b>Calyptrea chlorina</b> <i>Gould.</i>	Cape de Verd Islands.
381	488-488 <sup>c</sup>	<b>radiosa</b> <i>Gould.</i>	Sooloo Sea.
382	489-489 <sup>b</sup>	<b>Pileopsis crystallina</b> <i>Gould.</i>	
383	486-486 <sup>d</sup>	<b>Capulus sagittifer</b> <i>Gould.</i>	
384	497-497 <sup>b</sup>	<b>Pholas patula</b> <i>Gould.</i> <i>P. latissima</i> Sowb. ?	Eastern Seas.
386	499	<b>Panopea antarctica</b> <i>Gould.</i>	Rio Negro, Patagonia.
388	502-502 <sup>b</sup>	<b>Solen scalprum</b> <i>Gould.</i>	Singapore.
389	535-535 <sup>b</sup>	<b>Cypricardia rosea</b> <i>Gould.</i>	Feejee Islands.
390	504-504 <sup>b</sup>	<b>Maetra cuneola</b> <i>Gould.</i>	Callao.
391	503-503 <sup>b</sup>	<b>deluta</b> <i>Gould.</i>	New Zealand.
392	505-505 <sup>b</sup>	<b>marcida</b> <i>Gould.</i>	Orange Harbor.
394	496, 496 <sup>a</sup>	<b>debilis</b> <i>Gould.</i>	Singapore.
395		<b>triangularis</b> <i>Lam.</i>	Feejee Islands.
396	500-500 <sup>b</sup>	<b>Pandora cistula</b> <i>Gould.</i>	Patagonia.
398	510-510 <sup>b</sup>	<b>Osteodesma Brasiliense</b> <i>Gld.</i>	Rio Janeiro.
399	512, 512 <sup>a</sup>	<b>Amphidesma croceum</b> <i>Gould.</i>	Callao?
400	511-511 <sup>b</sup>	<b>Mesodesma mundum</b> <i>Gould.</i>	Sooloo Sea.
401	587-587 <sup>c</sup>	<b>Erycina (Poronia) ovata</b> <i>Gld.</i>	Sandwich Islands.
402	586-586 <sup>b</sup>	<b>(Kellia) quadrata</b> <i>Gould.</i>	Feejee Islands ?
403	513-513 <sup>b</sup>	<b>Psammobia florida</b> <i>Gould.</i>	Illawarra, N. S. Wales.
404	519-519 <sup>b</sup>	<b>Tellina concentrica</b> <i>Gould.</i>	Feejee Islands.
405	518-518 <sup>b</sup>	<b>tithonia</b> <i>Gould.</i>	Sooloo Sea.
406	515-515 <sup>b</sup>	<b>compta</b> <i>Gould.</i> <i>T. decora</i> <i>Gould.</i>	Loo Choo Islands.
407	517-517 <sup>b</sup>	<b>exculpta</b> <i>Gould.</i>	Feejee Islands.
408	514-514 <sup>b</sup>	<b>lauta</b> <i>Gould.</i>	
409	516-516 <sup>c</sup>	<b>perula</b> <i>Gould.</i>	Feejee Islands.
410	520-520 <sup>b</sup>	<b>Donax pallidus</b> <i>Gould.</i>	Singapore.
411	521, 521 <sup>a</sup>	<b>tinctus</b> <i>Gould.</i>	Mergin Archipelago?
412	522-522 <sup>b</sup>	<b>croceatus</b> <i>Gould.</i>	Mangsi Island, Sooloo
412	524-524 <sup>b</sup>	<b>Lucina inculta</b> <i>Gould.</i>	New Zealand. [Sea.]
413	528-528 <sup>b</sup>	<b>lenticula</b> <i>Gould.</i>	Rio Janeiro.
414	525-525 <sup>b</sup>	<b>vesicula</b> <i>Gould.</i>	Tonga Island.



[Gould, Exploring Expedition.]

Page.	Fig.		
416	523-523 <sup>b</sup>	<b>Lucina ramulosa</b> Gould.	Paumotu Island.
		<i>L. fibula</i> Rve.	
416	533	<b>Cardita procera</b> Gould.	Rio Negro, Patagonia.
419	537, 537 <sup>a</sup>	<b>Venus toreuma</b> Gould.	Mangsi Island, Sooloo Sea.
422	536, 536 <sup>a</sup>	<b>Arthemis lambata</b> Gould.	Bay of Islands, N. Z.
423		<b>Venus calcarea</b> Gould.	New Zealand.
423	560-560 <sup>b</sup>	<b>Arca sobria</b> Gould.	
424	539-539 <sup>c</sup>	<b>Nucula sulculata</b> Gould.	Cape Horn.
425	526-526 <sup>b</sup>	<b>Cyclas egregia</b> Gould.	New South Wales.
427	529-529 <sup>b</sup>	<b>Cyrena debilis</b> Gould.	New Holland.
428	542-542 <sup>c</sup>	<b>Unio lutulentus</b> Gould.	New Zealand.
429	543-543 <sup>b</sup>	<b>profugus</b> Gould.	New South Wales.
430	540-540 <sup>b</sup>	<b>dorsuosus</b> Gould.	Eastern Asia.
431	541-541 <sup>c</sup>	<b>verecundus</b> Gould.	Manilla.
434	548-548 <sup>b</sup>	<b>Anodonta puberula</b> Gould.	Peru.
		<i>Anodon glauca</i> Gould.	
437	555	<b>Avicula margaritifera</b> (Linn.) Roissy.	
		<i>Meleagrina margaritifera</i> Lam.	
438	554	<b>nigra</b> Gould.	Singapore.
439	553, 553 <sup>a</sup>	<b>vidua</b> Gould.	Feejee Islands.
440	550, 550 <sup>a</sup>	<b>lurida</b> Gould.	Feejee Islands.
441	551, 551 <sup>a</sup>	<b>fucata</b> Gould.	New Zealand.
442	552-552 <sup>b</sup>	<b>glabra</b> Gould.	New Zealand.
443	549-549 <sup>b</sup>	<b>pica</b> Gould.	Samoa Island.
444	559, 559 <sup>a</sup>	<b>Perna argillacea</b> Gould.	
445	558, 558 <sup>a</sup>	<b>torva</b> Gould.	Sandwich Islands.
445	556, 556 <sup>a</sup>	<b>nana</b> Gould.	Feejee Islands.
446	557-557 <sup>c</sup>	<b>eremita</b> Gould.	Paumotu Island.
447	584-584 <sup>b</sup>	<b>Crenatula pergaminea</b> Gould.	Feejee Islands.
448	574	<b>Pinna senticosa</b> Gould.	New Zealand.
449	565, 565 <sup>a</sup>	<b>Mytilus divaricatus</b> Gould.	China Seas.
450	566, 566 <sup>a</sup>	<b>algosus</b> Gould.	Feejee Islands.
451	564, 564 <sup>a</sup>	<b>pyriformis</b> Gould.	South Seas.
452	562, 562 <sup>a</sup>	( <i>Modiola</i> ) <b>areolatus</b> Gld.	New Zealand.
454	563, 563 <sup>a</sup>	( <i>Modiola</i> ) <b>hepaticus</b> Gld.	Feejee Islands.
455	585-585 <sup>c</sup>	( <i>Modiolarca</i> ) <b>pusillus</b> Gd.	Tierra del Fuego.
456	571-571 <sup>b</sup>	<b>Pecten lætus</b> Gould.	New Zealand.
459	568-568 <sup>f</sup>	<b>Gaimardia trapesina</b> Gould.	Lat. 47° 30' S., long. 59°
		<i>Modiola trapesina</i> Lam.	53' W., and Orange Harbor.
461	577-577 <sup>b</sup>	<b>Ostrea glomerata</b> Gould.	New Zealand.
462	576-576 <sup>b</sup>	<b>circumsuta</b> Gould.	Feejee and Samoa Isl'ds.
463	578, 578 <sup>a</sup>	<b>discoidea</b> Gould.	
464	575, 575 <sup>a</sup>	<b>mordax</b> Gould.	Feejee Islands.

## [Gould, Exploring Expedition.]

Page.	Fig.		
465	580-580 <sup>e</sup>	<b>Crania radiosa</b> <i>Gould.</i>	Rio Janeiro.
469	583-583 <sup>e</sup>	<b>Terebratula Patagonica</b> <i>Gld.</i>	Patagonia.
470	585	<b>Argonauta geniculata</b> <i>Gould.</i>	Rio Janeiro.
471	586, 586 <sup>a</sup>	<b>Octopus megalocyathus</b> <i>Gld.</i>	Orange Harbor.
473	587, 587 <sup>a</sup>	<b>mimus</b> <i>Gould.</i>	Callao, Peru.
474	588	<b>tetricus</b> <i>Gould.</i>	New South Wales.
475	589	<b>furvus</b> <i>Gould.</i>	Rio Janeiro.
476	590, 590 <sup>a</sup>	<b>ornatus</b> <i>Gould.</i>	Sandwich Islands.
478	591	<b>pusillus</b> <i>Gould.</i>	Mangsi Island, China Sea.
479	592	<b>mollis</b> <i>Gould.</i>	Samoa Island.
479	593	<b>Sepioteuthis arctipinnis</b> <i>Gld.</i>	Maui, Sandwich Islands.
480	594, 594 <sup>a</sup>	<b>Ommastrephes insignis</b> <i>Gld.</i>	Feejee Islands.
482	595	<b>Onychoteuthis rutulis</b> <i>Gould.</i>	New South Wales.
483	596	<b>brevimanus</b> <i>Gould.</i>	Tutuilla.
485	602-602 <sup>b</sup>	<b>Limacina scaphoidea</b> <i>Gould.</i>	Equatorial Atlantic.
486	601-601 <sup>b</sup>	? <b>cucullata</b> <i>Gould.</i>	An ice island, lat. 66° S.,
487	604, 604 <sup>a</sup>	<b>Hyalæa inermis</b> <i>Gould.</i>	[long. 106° 20' E.
487	603	<b>femorata</b> <i>Gould.</i>	Equatorial Atlantic.
488	605-605 <sup>b</sup>	<b>Cleodora exacuta</b> <i>Gould.</i>	Lat. 44° N., long. 154° W.
489	607, 607 <sup>a</sup>	<b>munda</b> <i>Gould.</i>	Equatorial Atlantic.
490	606	<b>placida</b> <i>Gould.</i>	Equatorial Atlantic.
490	608	<b>falcata</b> <i>Gould.</i>	Pacific Ocean.
491	597	<b>Atlanta primitia</b> <i>Gould.</i>	Equatorial Atlantic.
492	198-198 <sup>c</sup>	<b>cunicula</b> <i>Gould.</i>	West of Sandwich Isl'ds.
493	599-599 <sup>b</sup>	<b>violacea</b> <i>Gould.</i>	Stomach of a Bonito, lat.
			30° S., long. 20° W.
494	600-600 <sup>b</sup>	<b>tessellata</b> <i>Gould.</i>	Stomach of a Bonito, lat.
			30° S., long. 20° W.
495	609	<b>Cynthia amphora</b> <i>Gould.</i>	Rio Janeiro.
495	610	<b>Phallusia violacea</b> <i>Gould.</i>	Rio Janeiro.
496	611	<b>Ascidia monstrans.</b>	Rio Janeiro.
496	612, 612 <sup>a</sup>	<b>Boltenia coacta</b> <i>Gould.</i>	Orange Harbor.

## ADDENDA AND CORRIGENDA.

Page.		Page.	
*500	<b>Athoracophorus.</b>	*500	<b>Succinea rotundata.</b>
*500	<b>Vitrina Ruivensis.</b>		<i>S. Newcombi</i> Pfr.
*500	<b>marcida.</b>	*500	<b>venusta.</b>
*500	<b>nitida.</b>	*500	<b>Nanina fricata.</b>
*500	<b>robusta.</b>	*500	<b>Helix intaminata.</b>
*500	<b>caperata.</b>		<i>H. Broderipii</i> Pfr. ?
*500	<b>tenella.</b>		<i>Carocolla dealbata</i> Brd.
*500	<b>furva.</b>	*501	<b>spirillus.</b>

[Gould, Exploring Expedition.]

Page.		Page.	
*501	<b>Helix zig-zag.</b> <i>H. rapida</i> Pfr.	*502	<b>Cyclostoma strigatum.</b> <i>C. albida.</i>
*501	<b>cultrata.</b> <i>H. callifera</i> Pfr.	*502	<b>plicatum.</b> <i>C. Apia</i> Recl.
*501	<b>exæquata.</b> <i>H. disculus</i> Pfr.	*502	<b>Planorbis Kermatoides.</b>
*501	<b>bursatella.</b> <i>H. turricula.</i> <i>excavata.</i>	*502	<b>Melania scipio.</b> <i>M. verruculum</i> Morel.?
*501	<b>Troilus.</b> <i>H. Apia.</i> <i>exclusa.</i>	*502	<b>Cerithium invaginatum.</b> <i>C. planum</i> Phil.
*501	<b>nitidiuscula.</b>	*502	<b>aduncum.</b> <i>C. dorsuosum</i> A. Ad.
*501	<b>Bulimus fulguratus.</b>	*502	<b>Pelex lateralis.</b>
*501	<b>Partula zebrina.</b> <i>P. Recluziana</i> Petit.	*502	<b>Neritina caffra.</b>
*502	<b>Vertigo tantilla.</b>	*502	<b>Nerita musiva.</b>
		*503	<b>Turbo laciniatus.</b>
		*503	<b>Trochus tantillus.</b> <i>Margarita angulata</i> A.
		*503	<b>Litiopa decussata.</b> [Ad.
		*503	<b>Obeliscus terebelloides.</b>

Page.	Fig.		
*503	274-274 <sup>b</sup>	<b>Trichotropis pusilla.</b>	Liberia.
*504	296-296 <sup>b</sup>	<b>Triton Brazilianum</b> Gould.	Rio Janeiro.
*506	297-297 <sup>b</sup>	<b>mundum</b> Gould.	Tutuilla.
*507	360, 360 <sup>a</sup>	<b>Phos varicosus.</b>	Philippine Islands.
*508	305, 305 <sup>a</sup>	<b>Ricinula tuberculata.</b>	
*508	323	<b>Buccinum farinosum.</b>	
*508	351	<b>Mitra capillata.</b>	
*508	382	<b>Peronia indolens.</b>	
*508		<b>Mactra debilis.</b>	
*508		<b>Donax crocatus.</b>	
*508		<b>Venus toreuma.</b> <i>V. crebrisulca</i> Sowb.?	
*508		<b>Unio dorsuosus.</b> <i>U. Napcanensis</i> Conr.	
*509		<b>Gaimardia trapesina.</b>	
*509		<b>Ostrea discoidea.</b>	

**Dana.**—On the question whether Temperature determines the distribution of Marine Species of Animals in Depth: by JAMES D. DANA. (From Am. Journ. Sc., n. s., vol. xv, p. 204. March, 1853.)

Page.		Page.	
	Notes on—	205	<b>Lucina spinifera.</b>
205	<b>Corbula nucleus.</b>	205	<b>Kellia suborbicularis.</b>
205	<b>Næra cuspidata.</b>	205	<b>Modiola tulipa.</b>
205	<b>Thracia phaseolina.</b>	205	<i>barbata.</i>
205	<b>Solén pellucidus.</b>	205	<b>Arca tetragona.</b>
205	<b>Psammobia feroensis.</b>	205	<i>lactea.</i>
205	<b>Tellina donacina.</b>	205	<b>Pectunculus glyceris.</b>
205	<b>Mactra subtruncata.</b>	205	<b>Nucula nitida.</b>
205	<b>Lutraria elliptica.</b>	205	<i>nucleus.</i>
205	<b>Cytherea chione.</b>	205	<b>Lima subauriculata.</b>
205	<b>Venus ovata.</b>	205	<b>Pecten similis.</b>
205	<i>fasciata.</i>	205	<i>maximus.</i>
205	<i>verrucosa.</i>	205	<i>opercularis.</i>
205	<b>Artemis lineata.</b>	205	<i>varius.</i>
205	<b>Cardium echinatum.</b>	205	<b>Anomia ephippium.</b>
205	<b>Lucina flexuosa.</b>		

**Conrad.**—Descriptions of new species of *Unio*: by T. A. CONRAD. (From Journ. Acad. Nat. Sc. Philadelphia, n. s., vol. ii, pt. 4, p. 295. February, 1854. Vide also, ante, p. 405.)

[The following are the foreign species.—W. G. B.]

Pa.	Pl.	Fig.		
295	xxvi	2	<b>Unio depressus</b> Lam.	Bogan river, Australia.
			<i>U. cultelliformis</i> Conr.	
295	xxvi	3	<b>Balonensis</b> Conr.	
296	xxvi	4	<b>Napeanensis</b> Conr.	
296			<i>depressa</i> D'Orb. is not <i>depressa</i> Lam.	
296	xxvi	6	—	Australia.
298			Synopsis of the genus <b>Pleiodon.</b>	
298			<b>Pleiodon ovata.</b>	
			<i>Iridina ovata</i> Swains.	
298			<b>Macmurtrei</b> Conr.	
299			<b>splendens.</b>	
			<i>Iridina splendens</i> Chenu.	

**Conrad.**—Monograph of the genus *Argonauta*, Linné, with descriptions of five new species: by T. A. CONRAD. (From same as last, p. 331.)

Pa.	Pl.	Fig.		
331			<b>Argonauta argo</b> Linn.	Mediterranean.
331			<b>compressa</b> Blainv.	Indian Ocean.
331	xxxiv	1	<b>papyratia</b> Conr.	
332			<b>gondola</b> Dillw.	South Atlantic.
			<i>A. navicula</i> Sol.?	
			<i>Cranchii</i> Leach?	
			<i>haustrum</i> Dillw.?	
			<i>raricosta</i> Blainv.	
332			<b>hians</b> Sol.	South Atlantic.
			<i>A. nitida</i> Desh. in Lam.	
332			<b>Oweni</b> Adams.	South Atlantic.
332			<b>nodosa</b> Sol.	Indian Ocean.
			<i>A. tuberculata</i> Shaw.	
			<i>tuberculosa</i> Lam.	
332	xxxiv	2	<b>cornuta</b> Conr.	
332	xxxiv	3	<b>dispar</b> Conr.	
333	xxxiv	4	<b>polita</b> Conr.	
333			<b>Nouryi</b> Lorois.	Pacific Ocean.
334			<b>crassicosta</b> Blainv.	Australia.
334			<b>naviformis</b> .	
			<i>A. argo</i> (var.) Poli.	
334			<b>geniculata</b> Gould.	

**Gould.**—List of Shells brought home by the U. S. N. Astronomical Expedition: by AUG. A. GOULD. (From the United States Astronomical Expedition to the Southern Hemisphere, during the years 1849–52, Lieut. J. M. Gillis, Superintendent. Vol. ii, p. 263. Washington, 1855. Thirty-third Congress, First Session, House of Representatives, Ex. Doc., No. 121, 4to.)

[No descriptions are given.—W. G. B.]

Page.		Page.	
263	<b>Chiton aculeatus</b> Linn.	263	<b>Chiton Peruvianus</b> Lam.
	Coquimbo.	263	<b>granosus</b> Frembl.
263	<b>spiniferus</b> Frembl.	263	<b>Cumingii</b> Sowb.
263	<b>magnificus</b> Desh.	263	<b>Oliva Peruviana</b> Lam.
263	<b>olivaceus</b> Frembl.		Coquimbo.

Page.		Page.	
263	var. <b>Senegalensis</b> .	263	<b>Cardium fragum</b> .
263	<b>Turbo niger</b> <i>Gray</i> .	263	<b>Conus eburneus</b> .
263	<b>Trochus ater</b> <i>Less</i> .	263	<b>Ricinula horrida</b> .
263	<b>araucanus</b> <i>D'Orb</i> .	263	<b>albilabris</b> .
263	<b>Murex crassilabrum</b> .	263	<b>Monoceros crassilabrum</b>
263	<b>horridus</b> <i>Sowb</i> .	263	<b>Oliva guttata</b> . [ <i>I am</i> .
263	<b>Boivinii</b> <i>Kien</i> .	263	<b>jaspidea</b> .
263	<b>Fissurella latimarginata</b>	263	<b>elegans</b> .
263	<b>Calyptræa pileus</b> . [ <i>Sowb</i> .	263	<b>flammulata?</b>
263	<b>Peruviana</b> .	263	<b>Strombus gibberulus</b> .
263	<b>Littorina Peruviana</b> <i>Gray</i> .	263	<b>Cerithium lineatum</b> .
263	<b>araucana</b> <i>D'Orb</i> .	263	<b>Cyprea moneta</b> .
263	<b>Bulimus erythrostoma</b>	263	<b>annulus</b> .
263	<b>Acmaea viridula</b> . [ <i>Sowb</i> .	263	<b>cicercula</b> .
263	var. <b>Achates</b> .	263	<b>eburnea</b> .
263	<b>scutum</b> <i>D'Orb. &amp; Esch</i> .	263	<b>fimbriata</b> .
263	<b>scurra</b> <i>Less</i> .	263	<b>Venus pannosa</b> <i>Sowb</i> .
263	<b>Triton scaber</b> <i>King</i> .	263	<b>Terebra cinerea</b> .
263	<b>rudis</b> <i>Sowb</i> .	263	<b>striata</b> .
263	<b>Nassa rubricata</b> <i>Gould</i> .	263	<b>Nerita albicilla</b> .
263	<b>Mesodesma donacia</b> <i>Lam</i> .	263	<b>Le Guillouana</b> .
263	<b>Cytherea pannosa?</b> <i>D'Orb</i> .	263	<b>Neritina canales</b> <i>Sowb</i> .
263	<b>Mytilus</b> ———.	263	<b>Siphonaria Lessoni</b> <i>Blainv</i> .
263	<b>Planorbis</b> ———.	263	<b>Natica uber</b> .
263	<b>Dombeya (Chilina) fluc-</b>	263	<b>Melampus</b> ———.
263	<b>Cardium unedo</b> . [ <i>tuosa</i> .		

**Jay**.—Report on the Shells collected by the Japan Expedition, under the command of Commodore M. C. Perry, U. S. N., together with a list of Japan Shells: by JOHN C. JAY, of New York. (From the Report of Perry's Expedition to Japan, vol. ii, p. 291. Washington, 1856. Thirty-third Congress, Second Session, Senate Ex. Doc., No. 79.)

Pa.	Pl.	Fig.		
292	i	7-10	<b>Mya Japonica</b> <i>Jay</i> .	Volcano Bay, Yedo.
292	i	8, 9	<b>Psammobia olivacea</b> <i>Jay</i> .	Bay of Yedo.
292	ii	1, 2	<b>Cytherea meretrix</b> <i>Linn</i> .	Canton river, Yedo.
293	i	1-6	<b>formosa</b> <i>Sowb</i> .	Lew Chew.
293	ii	3-5, 10	<b>morphina</b> <i>Lam</i> .	Canton river, Lew Chew.
293	ii	6-9	<b>petechialis</b> <i>L'k</i> .	Lew Chew.
293	iii	1, 2	<b>Dipsas plicatus</b> .	Shanghae.



Page.		Page.	
296	<b>Helix Sieboldiana</b> <i>Phil.</i>	297	<b>Cerithium nebulosum</b> <i>Phil.</i>
296	<i>elegantissima</i> <i>Pfr.</i>	297	<b>Fusus fornicatus</b> <i>Gmel.</i>
296	<b>Japonica</b> <i>Pfr.</i>	297	<b>Pyrula ficoides</b> <i>Lam.</i>
296	<i>horiomphala</i> <i>Pfr.</i>	297	<b>Cancellaria nodulifera</b> <i>Sowb.</i>
296	<i>conospira</i> <i>Pfr.</i>	297	<b>Pleurotoma flavidula</b> <i>Lam.</i>
296	<b>Bulimus rimatus</b> <i>Pfr.</i>	297	<b>Murex falcatus</b> <i>Sowb.</i>
296	<b>Clausilia Buschii</b> <i>Küst.</i>	297	<i>inermis</i> <i>Sowb.</i>
296	<i>valida</i> <i>Pfr.</i>	297	<i>eurypteron</i> <i>Rve.</i>
296	<b>Sieboldii</b> <i>Pfr.</i>	297	<b>Strombus Japonicus</b> <i>Rve.</i>
296	<b>Auricula hepatica</b> <i>Phil.</i>	297	<b>Cassia saburon</b> <i>Lam.</i>
296	<b>Lymnea Japonica</b> <i>Jay.</i>	297	<b>Japonica</b> <i>Rve.</i>
296	<i>flava</i> <i>Phil.</i>	297	<b>Columbella versicolor</b> <i>Sb.</i>
296	<b>Melania Bensoni</b> <i>Phil.</i>	297	<b>Purpura septentrionalis</b> <i>Rv.</i>
296	<b>Natica Antoni</b> <i>Phil.</i>	297	<b>Dolium variegatum</b> <i>Lam.</i>
296	<i>duplicata</i> <i>Say.</i>	297	<b>Buccinum Chinense</b> <i>Phil.</i>
296	<i>mamilla</i> <i>Lam.</i>	297	<i>achatinum</i> <i>Lam.</i>
296	<i>olla</i> <i>Desh.</i>	297	<b>Nassa Japonica</b> <i>A. Ad.</i>
296	<b>Actæon Dianæ</b> <i>A. Ad.</i>	297	<i>ponderosa</i> <i>A. Ad.</i>
296	<b>Ianthina communis</b> <i>Lam.</i>	297	<b>Desmoulea crassa</b> <i>A. Ad.</i>
296	<i>prolongata</i> <i>Blainv.</i>	297	<b>Bullia Perryi</b> <i>Jay.</i>
296	<b>Obeliscus pulchellus</b> <i>A. Ad.</i>	297	<b>Eburna Japonica</b> <i>Rve.</i>
296	<i>brunneus</i> <i>A. Ad.</i>	297	<b>Terebra serotina</b> <i>A. Ad.</i>
296	<b>Globulus giganteus</b> <i>Less.</i>	297	<b>Mitra impressa</b> <i>Anton.</i>
296	<b>Xenophora pallidulus</b> <i>Rve.</i>	297	<i>incisa</i> <i>A. Ad.</i>
296	<b>Monodonta catenulata.</b>	297	<b>Voluta megaspira</b> <i>Sowb.</i>
296	<i>exigua</i> <i>A. Ad.</i>	297	<i>cassidula</i> <i>Rve.</i>
296	<b>Trochus Japonicus</b> <i>Dunk.</i>	297	<b>Cypræa caputserpentis</b> <i>Lin.</i>
296	<i>triumphans</i> <i>Phil.</i>	297	<i>miliaris</i> <i>Gmel.</i>
296	<b>Clanculus Smithii</b> <i>Wood.</i>	297	<i>fimbriata</i> <i>Gmel.</i>
296	<b>Turbo Japonicus</b> <i>Rve.</i>	297	<i>pallida</i> <i>Gray.</i>
296	<b>Littorina Sieboldii</b> <i>Phil.</i>	297	<b>Ovulum concinnum</b> <i>Sowb.</i>
296	<b>Cecillii</b> <i>Phil.</i>	297	<i>birostre</i> <i>Lam.</i>
296	<b>Turritella aquila</b> <i>Rve.</i>	297	<i>striatulum</i> <i>Lam.</i>
297	<b>Eglisia Cumingii</b> <i>A. Ad.</i>	297	<i>volva</i> <i>Linn.</i>
297	<b>Cerithium Cecillii</b> <i>Phil.</i>	297	<b>Conus Sieboldii</b> <i>Rve.</i>





**Binney, Couthouy, Gould, &c.**—In the Boston Journal of Natural History occur the following:—

- Vol. i, pt. 1. 1834.
- | Page.   | Pl. | Fig. |   |                              |
|---|-----|------|---|------------------------------|
| 63  |     |      | <b>Binney.</b> —Observations on a Shell in the Cabinet of the Boston Society of Natural History, supposed to be identical with the <i>Murex Aruanus</i> of Linnæus, and the <i>Fusus Probosciferus</i> of Lamarek: by A. BINNEY.                    |                              |
| 67  | v   |      | <b>Fusus Aruanus.</b>   | East Indies?                 |
|   | vi  |      | <i>Murex Aruanus</i> Linn.<br><i>Fusus probosciferus</i> Lam.   |                              |
| Vol. i, pt. 4. May, 1837.                         |     |      |   |                              |
| 440   |     |      | <b>Couthouy.</b> —Description of a new species of the genus <i>Marginella</i> (Lam.), with some observations on the same: by JOSEPH P. COUTHOUY.  |                              |
| 440   | ix  | 1, 2 | <b>Marginella Storeria</b> Couth.   | S. shores of Gulf of Mexico. |
| Vol. ii, pt. 2. Feb. 1839.                        |     |      |   |                              |
| 129   |     |      | <b>Couthouy.</b> —Monograph of the family Osteodesmacea of Deshayes, with remarks on two species of Patelloidea, and descriptions of new species of Marine Shells, a species of <i>Anculotus</i> , and one of <i>Eolis</i> : by JOSEPH P. COUTHOUY. |                              |
| [For the American species, vide p. 345.—W. G. B.] |     |      |   |                              |
| 135   |     |      | <b>Thracia pubescens.</b>   | English Channel.             |
|   |     |      | <i>Mya declivis</i> Penn.<br><i>pubescens</i> Pult.<br><i>Anatina myalis</i> Lam.<br><i>declivis</i> Brown.   |                              |
| 140   |     |      | <b>convexa.</b>   | Great Britain.               |
|   |     |      | <i>Mya declivis</i> Don.<br><i>convexa</i> Wood.<br><i>Anatina convexa</i> Turt.<br><i>Ligula distorta</i> Mont.  |                              |
| 143   |     |      | <b>corbuloides.</b>   | Mediterranean.               |
| 146   |     |      | <b>plicata.</b>   |                              |
| 147   |     |      | <b>phaseolina.</b>  |                              |
|   |     |      | <i>Amphidesma phaseolina</i> Lam.   |                              |
| 150   | iv  | 3    | <b>similis</b> Couth.   | Brazil.                      |

[Boston Journ. Nat. Hist.]

Page. Pl. Fig.

158		Notes on—
158		<b>Anatina declivis</b> Turt.
159		<b>villosiuscula</b> Brown.
159		<b>Mya distorta</b> Mont.
160		<b>Periploma trapezoides.</b> Brazil.
		<i>Anatina trapezoides</i> Lam.
		<i>Osteodesma trapezoides</i> Blainv.

Vol. iv, pt. 4. 1844.

452 **Gould.**—Descriptions of Land Shells from the Province of Tavoy, in British Burmah: by AUGUSTUS A. GOULD, M. D.

453	xxiv	1	<b>Helix procumbens</b> Gould.
453	xxiv	6	<b>infrendens</b> Gould.
454	xxiv	9	( <i>Carocolla</i> ) <b>gabata</b> Gould.
454	xxiv	4	<b>anceps</b> Gould.
455	xxiv	5	<b>retrorsa</b> Gould.
456	xxiv	2	<b>Vitrina præstans</b> Gould.
456	xxiv	7	<b>Helix (Steptaxis) Petitii</b> Gould.
457	xxiv	3	<b>Bulimus atricallosus</b> Gould.
458	xxiv	8	<b>Clausilia insignis</b> Gould.
458	xxiv	11	<b>Cyclostoma pernobilis</b> Gould.
459	xxiv	10	<b>sectilabrum</b> Gould.

485 **Gould.**—Descriptions and notices of some of the Land Shells of Cuba: by A. A. GOULD, M. D.

[Notes and localities of each species are given and descriptions of the new species.—W. G. B.]

486		<b>Helix auricoma</b> Fer.
486		<b>Bonplandii</b> Lam.
487		<b>multistriata</b> Desh.
		<i>H. circumtexta</i> Fer.
487		<b>Poeyi</b> Pet.
487		<b>gilvus</b> Fer.
		<i>H. penicillata</i> Gould.
487		<b>Cubensis</b> Pfr.
		<i>H. Lanieriana</i> D'Orb.
488		<b>fragilis</b> Pfr.
488		<b>Boothiana</b> Pfr.
488		<b>Ottonis</b> Pfr.
488		<b>saxicola</b> Pfr.
488		<b>septemvolva</b> Say.
488		<b>Ramonis</b> D'Orb.

[Boston Journ. Nat. Hist.]

Page.	Pl.	Fig.	
489			<b>Achatina fasciata</b> Müll. <i>A. vexillum</i> Brug.
489			<i>gracillima</i> Pfr.
489			<i>octona</i> Chemn.
489			<b>Glandina oleacea</b> Fer.
489			<i>folliculus</i> Lam. <i>Achatina solidula</i> Pfr.
490			<b>Pupa unidentata</b> Lam. <i>Bulinus Canimensis</i> Pfr.
490			<i>servilis</i> Gould. Described on p. 356, pl. xvi, fig. 14.
490			<i>contracta</i> Say.
490			<i>chrysalis</i> Fer.
490			<i>elegans</i> ( <i>Cylindrella</i> ) Pfr. <i>P. (Siphonostoma) lituus</i> Gould.
490	xxiv	12	( <i>Siphonostoma</i> ) <b>porrecta</b> Gould.
491	xxiv	13	<i>lactaria</i> Gould.
492			<i>subula</i> Fer. ?
492			( <i>Cyl.</i> ) <i>crispula</i> Pfr.
492			<b>Helicina submarginata</b> Gr. <i>H. rubra</i> Pfr. <i>crassa</i> D'Orb.
492			<i>sagra</i> D'Orb.
492			<i>pulcherrima</i> Lea.
493			<i>adspersa</i> Pfr. <i>H. variegata</i> D'Orb.
493			<i>globulosa</i> D'Orb.
493			<i>nitida</i> Pfr. <i>H. glabra</i> Gould.
493			<i>rugosa</i> Pfr.
493			<i>hispida</i> Pfr.
493			<i>rupestris</i> Pfr.
494			<b>Cyclostoma auriculatum</b> D'Orb. <i>C. bicolor</i> Gould.
494			<i>sagra</i> D'Orb. <i>C. pictum</i> Pfr. <i>mahogani</i> Gould.
494			<b>interruptum</b> Sowb. <i>C. catenatum</i> Gould.
495			<b>rugulosum</b> Pfr. <i>C. clathratum</i> Gould.
495			<b>Candeanum</b> Sowb.
495			<b>Auberianum</b> D'Orb. <i>C. crenulatum</i> Pfr.

[Boston Journ. Nat. Hist.]

Page.	Pl.	Fig.	
495			<b>Succinea</b> —— ?
495			<b>Limnea</b> —— ?
495			<b>Physa</b> —— ?
496			<b>Planorbis Havanensis</b> Pfr.
496			<i>Cubensis</i> Pfr.
496			<i>cultratus</i> D'Orb.
496			<i>Lanieriana</i> D'Orb.
496	xxiv	14	<i>dentatus</i> Gould.
			<i>P. albicans</i> Pfr. ?

Notes on—

497			<b>Littorina tuberculata</b> Mke.
498			<b>Turbo trochiformis</b> Dillw.
498			<b>Trochus nodulosus</b> Gmel.
498			<i>tuberculatus</i> Wood.
498			<b>Littorina dilatata</b> D'Orb.

Vol. iv, pt. 4. 1842.

**A. A. Gould.**—(On the third page of the cover of pt. 1, of vol. iv, occur descriptions of the following.)

<b>Helix penicillata</b> Gould.	Cuba.
<b>Helicina glabra</b> Gould.	Cuba.
<b>Pupa (Siphonostoma) porrecta</b>	Cuba.
<i>lituus</i> Gould.	[Gould. Cuba.
<b>Cyclostoma bicolor</b> Gould.	Cuba.
<i>clathratum</i> Gould.	Cuba.
<i>mahogani</i> Gould.	Cuba.
<i>catenatum</i> Gould.	Cuba.
<b>Conus castrensis</b> Gould.	

Vol. v, pt. 2. Oct. 1845.

290			<b>Gould.</b> —Descriptions of Shells from the Coast of Africa : by AUGUSTUS A. GOULD, M. D.
290	xxiv	7	<b>Pholas branchiata</b> Gould.
291	xxiv	9	<b>Psammobia figlina</b> Gould.
292	xxiv	8	<b>Nucula bicuspidata</b> Gould.
292	xxiv	10	<b>Nassa turbinea</b> Gould.
293	xxiv	11	<i>elata</i> Gould.

Vol. v, pt. 3. June, 1846.

344	xx	1-3	<b>Leidy.</b> —Anatomical description of the animal of <b>Littorina angulifera</b> Lam. : by JOSEPH LEIDY, M. D.
-----	----	-----	--

**Gould, Adams, &c.**—Proceedings of the Boston Society  
of Natural History.

		Oct. 1843.	
Vol.	Page.		
i	138	<b>Dr. A. A. Gould.</b>	
i	138	<i>Helix penicillata</i> = <b>H. gilvus</b> Fer.	
i	138	<i>Helicina glabra</i> = <b>Helicina nitida</b> Pfr.	
i	138	<i>Pupa carinata</i> = <b>P. procera</b> Gould.	
i	138	<i>Siphonostoma lituus</i> = <b>Cylindrella elegans</b> Pfr.	
i	138	<i>Cyclostoma clathratum</i> = <b>C. rugulosum</b> Pfr.	
i	138	<i>Mahogani</i> = <b>C. Sagra</b> D' Orb. ( <i>pictum</i> Pfr.)	
i	138	<i>bicolor</i> = <b>C. auriculatum</b> D' Orb.	
i	138	<b>Siphonostoma porrectum</b> Gould.	Cuba.
i	138	<b>Cyclostoma catenatum</b> Gould.	Cuba.
i	138	<b>Conus castrensis</b> Gould.	
i	138	<b>Pupa servilis</b> Gould.	Cuba, Santa Cruz.
i	139	<i>lyrata</i> Gould.	Sandwich Islands.
i	139	<b>Helix procumbens</b> Gould.	Tavoy.
i	139	<i>infrendens</i> Gould.	Tavoy.
i	139	( <i>Carocolla</i> ) <b>gabata</b> Gould.	Tavoy.
i	139	<i>retrorsa</i> Gould.	Tavoy.
i	139	<i>anceps</i> Gould.	Tavoy.
i	140	<b>Vitrina præstans</b> Gould.	Tavoy.
i	140	<b>Bulimus atricallosus</b> Gould.	Tavoy.
i	140	<b>Clausilia insignis</b> Gould.	Tavoy.
i	140	<b>Cyclostoma pernobilis</b> Gould.	Tavoy.
i	140	<i>sectilabrum</i> Gould.	Tavoy.
i	140	<b>Unio Tavoyensis</b> Gould.	Tavoy.
i	141	<i>crispata</i> Gould.	Tavoy.
i	141	<i>foliacea</i> Gould.	Tavoy.
i	141	<i>exolescens</i> Gould.	Tavoy.
i	144	<b>Paludina doliaris</b> Gould.	Burmah.
i	144	<i>petrosa</i> Gould.	Burmah.
i	144	<b>Melania batana</b> Gould.	Burmah.
i	144	<b>Modiola varicosa</b> Gould.	Burmah.
Nov. 1843.			
Notes on—			
i	148	<b>Melampus and Pedipes.</b>	
Dec. 1843.			
i	157	<b>Helix (Carocolla) pellucida</b> Gould.	Africa.
i	158	<b>Bulimus rubicundulus</b> Gould.	Africa.
i	158	<i>interstinctus</i> Gould.	Africa.
i	158	<b>Achatina torrida</b> Gould.	Africa.

[Proceedings Boston Soc. Nat. Hist.]

Vol. Page.

i	158	<i>Pupa pumilio</i> Gould.	Africa.
i	158	<i>capitata</i> Gould.	Africa.
i	159	<i>Melania mutans</i> Gould.	[don). Africa.
i	160	<i>Anodon Salweniana</i> Gld. (Pseudo-	R. Salwen, Burmah.
i	160	<i>inoscularis</i> Gould (Pseudodon).	R. Salwen, Burmah.
i	160	<i>Pseudodon</i> Gould (n. s. g.)	
i	160	<i>edentula</i> Gould.	
i	160	<i>Stewartii</i> Gould.	
May, 1844.			
i	174	<i>Helix setigera</i> Gould.	Sandwich Islands.
i	174	<i>stellula</i> Gould.	Sandwich Islands.

Jan. 1845.

ii 1 **Adams.**—Specierum novarum Conchyliorum in Jamaica reperi-  
torum Synopsis: by C. B. ADAMS.

V. Pa.		V. Pa.	
ii 1	<i>Marginella rubella</i> Ad.	ii 5	<i>Cerithium iota</i> Ad.
ii 1	<i>Erato</i> ? <i>cypræoides</i> Ad.	ii 5	<i>variable</i> Ad.
ii 2	<i>Mitra albo-cincta</i> Ad.	ii 5	<i>mutabile</i> Ad.
ii 2	<i>exigua</i> Ad. [Ad.	ii 5	<i>algicola</i> Ad.
ii 2	<i>Columbella purpurascens</i>	ii 5	<i>bicolor</i> Ad.
ii 2	<i>subcostulata</i> Ad.	ii 6	<i>Rissoa albida</i> Ad.
ii 2	<i>Buccinum candidissimum</i>	ii 6	<i>affinis</i> Ad.
ii 2	<i>concinnum</i> Ad. [Ad.	ii 6	<i>scalarella</i> Ad.
ii 2	<i>obesum</i> Ad.	ii 6	<i>tervaricosa</i> Ad.
ii 2	<i>Purpura nodulosa</i> Ad.	ii 6	<i>crassicosta</i> Ad.
ii 3	<i>Fusus muricoides</i> Ad.	ii 6	<i>Eulima Jamaicensis</i> Ad.
ii 3	<i>Pleurotoma albo-macu-</i>	ii 6	<i>Chemnitzia Babylonica</i> Ad.
	<i>lata</i> Ad.	ii 6	<i>Monodonta maculo-stri-</i>
ii 3	<i>albo-cincta</i> Ad.	ii 7	<i>angulata</i> Ad. [ata Ad.
ii 3	<i>nigrescens</i> Ad.	ii 7	<i>livido-maculata</i> Ad.
ii 3	<i>trilineata</i> Ad.	ii 7	<i>Turbo</i> ? <i>pulchellus</i> Ad.
ii 3	<i>albida</i> Ad.	ii 7	<i>Scalaria modesta</i> Ad.
ii 3	<i>multilineata</i> Ad.	ii 7	<i>Nerita præcognita</i> Ad.
ii 4	<i>albo-vittata</i> Ad.	ii 7	<i>Neritina pygmæa</i> Ad.
ii 4	<i>candidissima</i> Ad.	ii 8	<i>Fissurella elongata</i> Ad.
ii 4	<i>fusca</i> Ad.	ii 8	<i>Patella tenera</i> Ad.
ii 4	<i>dubia</i> Ad.	ii 8	<i>albicosta</i> Ad.
ii 4	<i>minor</i> Ad.	ii 8	<i>Chiton squalidus</i> Ad.
ii 4	<i>fusco-lineata</i> Ad.	ii 8	<i>costatus</i> Ad.
ii 4	<i>elatior</i> Ad.	ii 8	<i>squamulosus</i> Ad.
ii 4	<i>Cerithium ambiguum</i> Ad.	ii 8	<i>multicostatus</i> Ad.
	<i>C. lafondii</i> Ad.	ii 9	<i>purpurascens</i> Ad.
ii 5	<i>gibberulum</i> Ad.	ii 9	<i>papillosus</i> Ad.

## [Proceedings Boston Soc. Nat. Hist.]

Vol.	Page.		V. Pa.
ii	9	<i>Chiton erythronotus Ad.</i>	ii 13 <i>Bulimus procerus Ad.</i>
ii	9	<i>Perna bicolor Ad.</i>	ii 13 <i>læviusculus Ad.</i>
ii	9	<i>Arca tenera Ad.</i>	ii 13 <i>striatella Ad.</i>
ii	9	<i>Cardita ovata Ad.</i>	ii 13 <i>Achatina iota Ad.</i>
ii	9	<i>Thetis Ad. (n. g.)</i>	ii 13 <i>pellucens Ad.</i>
ii	9	<i>Thetis cerina Ad.</i>	ii 13 <i>costulata Ad.</i>
ii	9	<i>parva Ad.</i>	ii 13 <i>Phillipsii Ad.</i>
ii	9	<i>Lucina granulosa Ad.</i>	ii 13 <i>propinqua Ad.</i>
ii	10	<i>imbricatula Ad.</i>	ii 14 <i>vicina Ad.</i>
ii	10	<i>pulchella Ad. [Ad.]</i>	ii 14 <i>Griffithsii Ad.</i>
ii	10	<i>Amphidesma Jayanum</i>	ii 14 <i>Cylindrella? pygmæa Ad.</i>
ii	10	<i>Tellina decussatula Ad.</i>	ii 14 <i>Cumingii Ad.</i>
ii	10	<i>nitens Ad.</i>	ii 14 <i>cylindrus Ad.</i>
ii	10	<i>Psammobia purpureo-</i>	ii 14 <i>seminuda Ad.</i>
		<i>maculata Ad.</i>	ii 14 <i>Pupa fusiformis Ad.</i>
ii	10	<i>affinis Ad.</i>	ii 15 <i>nobilior Ad.</i>
ii	10	<i>biradiata Ad.</i>	ii 15 <i>obesa Ad.</i>
ii	10	<i>cerina Ad.</i>	ii 15 <i>rubella Ad.</i>
ii	11	<i>Cyclostoma Duffianum</i>	ii 15 <i>tenuidens Ad.</i>
ii	11	<i>Hillianum Ad. [Ad.]</i>	ii 15 <i>Helix peracutissima Ad.</i>
ii	11	<i>lima Ad.</i>	ii 15 <i>nemoraloides Ad.</i>
ii	11	<i>Bronnii Ad.</i>	ii 15 <i>subconica Ad.</i>
ii	11	<i>fusco-lineatum Ad.</i>	ii 15 <i>subpyramidalis Ad.</i>
ii	11	<i>pulchrius Ad.</i>	ii 16 <i>depressa Ad.</i>
ii	11	<i>Helicina Leana Ad.</i>	ii 16 <i>sincera Ad.</i>
ii	12	<i>lineata Ad.</i>	ii 16 <i>opalina Ad.</i>
ii	12	<i>solitaria Ad.</i>	ii 16 <i>pellucida Ad.</i>
ii	12	<i>Truncatella succinea Ad.</i>	ii 16 <i>peraffinis Ad.</i>
ii	12	<i>Cumingii Ad.</i>	ii 16 <i>arboreoides Ad.</i>
ii	12	<i>scalariformis Ad.</i>	ii 16 <i>tenerrima Ad.</i>
ii	12	<i>Pedipes globulosus Ad.</i>	ii 16 <i>dioscoricola Ad.</i>
		<i>P. quadridens Pfr.?</i>	ii 17 <i>Jayana Ad.</i>
ii	12	<i>Succinea contorta Ad.</i>	ii 17 <i>Paludina rivularis Ad.</i>
ii	12	<i>Bulimus octonoides Ad.</i>	ii 17 <i>Melania spinifera Ad.</i>
ii	12	<i>pallidus Ad.</i>	ii 17 <i>Planorbis dentiferus Ad.</i>
ii	18	<b>Mighels.</b> —Descriptions of Shells from the Sandwich Islands and other localities: by Dr. J. W. MIGHELS.	
ii	18	<i>Helix intercarinata Migh.</i>	Oahu.
ii	19	<i>subrutilla Migh.</i>	Oahu.
ii	19	<i>tiara Migh.</i>	Kauai.
ii	19	<i>jugosa Migh.</i>	Waioli.
ii	19	<i>Helicina laciniosa Migh.</i>	Oahu.
ii	19	<i>rotelloidea Migh.</i>	Oahu.
ii	19	<i>Pupa admodesta Migh.</i>	Oahu.



[Proceedings Boston Soc. Nat. Hist.]

Vol.	Page.		
ii	19	<b>Bulimus armatus</b> <i>Migh.</i>	Hawaii.
ii	19	<i>pumicatus</i> <i>Migh.</i>	Oahu.
ii	20	<i>scutilus</i> <i>Migh.</i>	Oahu.
ii	20	<i>clausinus</i> <i>Migh.</i>	Hawaii.
ii	20	<b>Partula virgulata</b> <i>Migh.</i>	Waianai.
ii	20	<b>Achatina accineta</b> <i>Migh.</i>	Oahu.
ii	20	<i>turricula</i> <i>Migh.</i>	Oahu.
ii	20	<b>Achatinella nubilosa</b> <i>Migh.</i>	Oahu.
ii	20	<i>vestita</i> <i>Migh.</i>	Waianai and Hawaii.
ii	20	<i>viridans</i> <i>Migh.</i>	Oahu.
ii	21	<i>mustelina</i> <i>Migh.</i>	Waianai.
ii	21	<i>cingula</i> <i>Migh.</i>	Oahu.
ii	21	<i>venusta</i> <i>Migh.</i>	Oahu.
ii	21	<i>picta</i> <i>Migh.</i>	Oahu.
ii	21	<i>inornata</i> <i>Migh.</i>	Oahu.
ii	21	<b>Succinea patula</b> <i>Migh.</i>	Oahu.
ii	21	<i>caduca</i> <i>Migh.</i>	Oahu.
ii	21	<b>Physa umbilicata</b> <i>Migh.</i>	Oahu.
ii	21	<i>producta</i> <i>Migh.</i>	Oahu.
ii	22	<b>Paludina porrecta</b> <i>Migh.</i>	Oahu.
ii	22	<i>anthracina</i> <i>Migh.</i>	Tortola.
ii	22	<b>Sigaretus filicatus</b> <i>Migh.</i>	Zanzibar, E. Africa.
ii	22	<b>Solarium implexum</b> <i>Migh.</i>	Oahu.
ii	22	<i>cyclostomum</i> <i>Migh.</i>	Oahu.
ii	22	<b>Turbo rubricinctus</b> <i>Migh.</i>	Oahu.
ii	22	<b>Cerithium gracilentum</b> <i>Migh.</i>	Oahu.
ii	22	<i>maculosum</i> <i>Migh.</i>	Oahu.
ii	23	<i>lacinosum</i> <i>Migh.</i>	Oahu.
ii	23	<b>Pleurotoma crassilabrum</b> <i>Migh.</i>	Oahu.
ii	23	<i>rugosa</i> <i>Migh.</i>	Oahu.
ii	23	<i>acuminata</i> <i>Migh.</i>	Oahu.
ii	23	<i>coronata</i> <i>Migh.</i>	Oahu.
ii	23	<i>micans</i> <i>Migh.</i>	Oahu.
ii	23	<i>pumila</i> <i>Migh.</i>	Oahu.
ii	23	<i>sinuosa</i> <i>Migh.</i>	Oahu.
ii	24	<i>todilla</i> <i>Migh.</i>	Oahu.
ii	24	<i>circumsecta</i> <i>Migh.</i>	Oahu.
ii	24	<i>obnubila</i> <i>Migh.</i>	Oahu.
ii	24	<b>Triton lacunatum</b> <i>Migh.</i>	Oahu.
ii	24	<b>Cypræa semiplota</b> <i>Migh.</i>	Oahu.
ii	24	<i>insecta</i> <i>Migh.</i>	Oahu.
ii	24	<i>sphærulea</i> <i>Migh.</i>	Oahu.
ii	25	<i>unifasciata</i> <i>Migh.</i>	Oahu.
ii	25	<i>spadix</i> <i>Migh.</i>	Oahu.

[Proceedings Boston Soc. Nat. Hist.]

Vol. Page.

ii 26 **Dr. Gould.**

ii	26	<i>Achatina adusta</i> Gould.	Sandwich Islands.
ii	26	<i>Stomatella concinna</i> Gould.	Sandwich Islands.
ii	27	<i>Trochus verruca</i> Gould.	Sandwich Islands.
ii	27	( <i>Monodonta</i> ) <i>gemmatus</i> Gould.	Sandwich Islands.
ii	27	<i>Columbella palumbina</i> Gould.	Sandwich Islands.
ii	27	<i>Cypræa gemmula</i> Gould.	Sandwich Islands.
ii	27	<i>Achatinella radiata</i> Gould.	Sandwich Islands.
ii	27	<i>rubens</i> Gould.	Sandwich Islands.
ii	28	<i>nucleola</i> Gould.	Sandwich Islands.
ii	28	<i>microstoma</i> Gould.	Sandwich Islands.
ii	28	<i>fuliginosa</i> Gould.	Sandwich Islands.
ii	28	<i>striatula</i> Gould.	Sandwich Islands.

Feb. 1845.

ii 37 **Dr. A. A. Gould.**

ii	37	<i>Pholas branchiata</i> Gould.	Liberia.
ii	37	<i>Psammobia figlina</i> Gould.	Liberia.
ii	37	<i>Tellina rubicunda</i> Gould.	Liberia.
ii	37	<i>Nucula bicuspidata</i> Gould.	Liberia.
ii	37	<i>Nassa turbinea</i> Gould.	Liberia.
ii	38	<i>elata</i> Gould.	Liberia.
ii	38	<i>Helix hepatizon</i> Gould.	M. of Gaboon river.

Jan. 1846.

ii	98	<i>Helix saturnia</i> Gould.	Tavoy, Burmah.
ii	99	<i>refuga</i> Gould.	Tavoy, Burmah.
ii	99	<i>honesta</i> Gould.	Tavoy, Burmah.
ii	99	<i>Bulimus moniliferus</i> Gould.	Tavoy, Burmah.
ii	99	<i>Pupa melita</i> Gould.	Tavoy, Burmah.
ii	100	<i>Succinea semiserica</i> Gould.	Tavoy, Burmah.
ii	100	<i>Melania Herculea</i> Gould.	Tavoy, Burmah.
ii	100	<i>Amnicola cincta</i> Gould.	Tavoy, Burmah.
ii	100	<i>Nucula turgida</i> Gould.	Tavoy, Burmah.
ii	101	<i>Bulimus turnix</i> Gould.	Organ Mts., Brazil.

ii 102 **C. B. Adams.**

ii	102	<i>Planorbis pallidus</i> Adams.	Jamaica.
ii	102	<i>Cyclostoma maritimum</i> Adams.	Jamaica.
ii	102	<i>Helicina affinis</i> Adams.	Jamaica.
ii	102	<i>Pupa rosea</i> Adams.	Jamaica.
ii	103	<i>Lima pellucida</i> Adams.	Jamaica.

[Proceedings Boston Soc. Nat. Hist.]

Vol. Page.

July, 1846.

- ii 133 Memoir on Mollusca of Jamaica.  
 ii 134 (List of New England Shells found in Jamaica)—  
 ii 134 *Buccinum vibex* Say.  
 ii 134 *Cerithium terebrale*.  
 ii 134 *Limnea umbilicata*.  
 ii 134 *Helix chersina*.  
 ii 134 *Pupa contracta*.  
 ii 134       *rupicola*.  
 ii 134 *Modiola barbata*.  
 ii 134 *Lucina divaricata*.

ii 141 **Dr. A. A. Gould.**

[The descriptions of the Mollusks of Wilkes' Exploring Expedition were also published in pamphlet form, under the title of "Expedition Shells."—W. G. B.]

- |    |     |  |                       |
|----|-----|--|-----------------------|
| ii | 142 | <i>Chiton quercinus</i> Gould.           | New South Wales.      |
| ii | 142 | <i>jugosus</i> Gould.                    | New South Wales.      |
| ii | 142 | <i>fruticosus</i> Gould.                 | New South Wales.      |
| ii | 143 | <i>plattessa</i> Gould.                  | New South Wales.      |
| ii | 143 | <i>jaspideus</i> Gould.                  | Callao.               |
| ii | 143 | <i>puniceus</i> Gould.                   | Orange Harbor.        |
| ii | 143 | <i>confossus</i> Gould.                  | Feejee Islands.       |
| ii | 144 | <i>pruinosis</i> Gould.                  | Rio Janeiro.          |
| ii | 144 | <i>viridulus</i> Gould.                  | Orange Harbor.        |
| ii | 144 | <i>petaloides</i> Gould.                 | Sandwich Islands.     |
| ii | 145 | <i>incanus</i> Gould.                    | New South Wales.      |
| ii | 148 | <i>Patella talcosa</i> Gould.            | Hawaii.               |
| ii | 148 | <i>sagittata</i> Gould.                  | Feejee Islands.       |
| ii | 149 | <i>illuminata</i> Gould.                 | Auckland Island.      |
| ii | 149 | <i>citrullus</i> Gould.                  | Funchal, Madeira.     |
| ii | 150 | <i>Paumotensis</i> Gould.                | Feejees, &c.          |
| ii | 150 | <i>luctuosa</i> Gould.                   | New Zealand.          |
| ii | 150 | <i>piperata</i> Gould.                   | C. de Verd & Madeira. |
| ii | 151 | <i>cinnamomea</i> Gould.                 | New South Wales.      |
| ii | 151 | <i>Lottia cymbiola</i> Gould.            | Valparaiso.           |
| ii | 152 | <i>Patella (Lottia?) araneosa</i> Gould. | Sooloo Sea.           |

Aug. 1846.

- |    |     |                                  |                         |
|----|-----|----------------------------------|-------------------------|
| ii | 153 | <i>Siphonaria cornuta</i> Gould. | Mangsi Island.          |
| ii | 153 | <i>inculta</i> Gould.            | New Zealand.            |
| ii | 153 | <i>lateralis</i> Gould.          | Burnt Isl., Or. Harbor. |
| ii | 154 | <i>lepida</i> Gould.             | Rio Janeiro.            |
| ii | 154 | <i>normalis</i> Gould.           | Sandwich Islands.       |

## [Proceedings Boston Soc. Nat Hist.]

Vol.	Page.		
ii	154	<b>Emarginulla aspera</b> Gould.	New South Wales.
ii	154	<i>fungina</i> Gould.	Upolu.
ii	155	<i>ossea</i> Gould.	Feejees.
ii	155	<i>cinerea</i> Gould.	
ii	155	<i>verna</i> Gould.	Cape de Verde.
ii	156	<i>occidens</i> Gould.	Callao.
ii	156	<i>cruciata</i> Gould.	Sooloo Sea.
ii	161	<b>Calyptræa radiosa</b> Gould.	Mangsi Island.
ii	161	<i>chlorina</i> Gould.	Cape de Verds.
ii	161	<b>Hipponix imbricata</b> Gould.	Sandwich Islands.
ii	162	<b>Pileopsis crystallina</b> Gould.	Feejee Islands.
ii	165	<b>Helix gulosa</b> Gould.	New South Wales.
ii	166	<i>zig-zag</i> Gould.	New Zealand.
ii	166	<i>pedestris</i> Gould.	New South Wales.
ii	167	<i>mutata</i> Gould.	Rio Janeiro.
ii	167	<i>lyrata</i> Gould.	Terra del Fuego.
Sept. 1846.			
ii	171	<b>Helix pusillus</b> Gould.	Mountains of Maui.
ii	171	<i>saxatilis</i> Gould.	Terra del Fuego.
ii	171	<i>exæquata</i> Gould.	Kauai.
ii	171	<i>cicercula</i> Gould.	Mountains of Hawaii.
ii	171	<i>cryptoportica</i> Gould.	
ii	172	<i>cultrata</i> Gould.	Taheiti and Eimeo.
ii	172	<i>per tenuis</i> Gould.	Aurora Island.
ii	172	<i>gradata</i> Gould.	Tongataboo.
ii	172	<i>fornicata</i> Gould.	Kauai.
ii	173	<i>rubiginosa</i> Gould.	Kauai.
ii	173	<i>dædalea</i> Gould.	Matea Island.
ii	175	<i>obolus</i> Gould.	Taheiti.
ii	175	<i>bursatella</i> Gould.	Taheiti and Eimeo.
ii	175	<i>tumulus</i> Gould.	Feejees.
ii	176	<i>tentoriolum</i> Gould.	Upolu.
ii	176	<i>troilus</i> ( <i>Carocolla</i> ) Gould.	Samoa Island.
ii	176	<i>cressida</i> Gould.	Samoa Isl. and Taheiti.
Nov. 1846.			
ii	177	<b>Eurydice</b> Gould.	Tongataboo.
ii	177	<i>subtilissima</i> Gould.	Maui.
ii	178	( <i>Nanina</i> ) <b>scorpio</b> Gould.	Feejee Islands.
ii	178	<i>ruida</i> Gould.	Feejee Islands.
ii	178	<i>irradiata</i> Gould.	New Holland.
ii	178	<i>rubricata</i> Gould.	Lebouka, Feejees.
ii	179	<i>lurida</i> Gould.	Feejees.
ii	179	<i>calva</i> Gould.	Feejees.

## [Proceedings Boston Soc. Nat. Hist.]

Vol.	Page.		
ii	180	<b>Vitrina Ruivensis</b> Gould.	Madeira.
ii	180	<i>nitida</i> Gould.	Madeira.
ii	181	<i>caperata</i> Gould.	Kauai.
ii	181	<i>marcida</i> Gould.	Madeira.
ii	181	<i>tenella</i> Gould.	Kauai.
ii	181	<i>robusta</i> Gould.	New South Wales.
ii	182	<i>rotundata</i> Gould.	Oahu.
ii	182	<i>cepulla</i> Gould.	Hawaii.
ii	182	<i>putamen</i> Gould.	Upolu.
ii	183	<i>vesicalis</i> Gould.	Mauna Kea, Hawaii.
ii	183	<i>lumbalis</i> Gould.	Kauai.
ii	183	<i>humerosa</i> Gould.	Taheiti.
ii	183	<i>crocata</i> Gould.	Upolu.
ii	184	<i>canella</i> Gould.	Maui.
ii	185	<i>Magellanica</i> Gould.	Terra del Fuego.
ii	185	<i>Manuana</i> Gould.	Manua.
ii	186	<i>modesta</i> Gould.	Upolu.
ii	186	<i>venusta</i> Gould.	Hawaii.
ii	186	<i>pudotina</i> Gould.	Taheiti and Eimeo.
ii	186	<i>infundibuliformis</i> Gould.	Taheiti and Eimeo.
ii	187	<i>procera</i> Gould.	Eimeo.
ii	190	<b>Bulimus elobatus</b> Gould.	Feejees.
ii	190	<i>morosus</i> Gould.	Feejees.
ii	191	<i>prolatus</i> Gould.	Santiago, Chili.
ii	191	<i>ciliatus</i> Gould.	Organ Mount's, Brazil.
ii	191	<i>pruninus</i> Gould.	
ii	191	<i>hybridus</i> Gould.	Rio Janeiro. [Isl'ds.
ii	191	<i>junceus</i> Gould.	Society and Sandwich
March, 1847.			
ii	196	<b>Partula conica</b> Gould.	Samoa Isl., Raraka Isl.
ii	196	<i>zebrina</i> Gould.	Samoa Isl., Tutuila.
ii	197	<i>pusilla</i> Gould.	Matea Island.
ii	197	<b>Pupa (Vertigo) tantilla</b> Gould.	Taheiti.
ii	197	<i>peponum</i> Gould.	Sandwich Islands.
ii	197	( <i>Megaspira</i> ) <i>elata</i> Gould.	Brazil.
ii	198	<b>Balea peregrina</b> Gould.	New Zealand.
ii	200	<b>Achatinella marmorata</b> Gould.	Maui.
ii	200	<i>ellipsoidea</i> Gould.	Maui.
ii	200	<i>acuminata</i> Gould.	Kauai.
ii	201	<i>cerealis</i> Gould.	Oahu.
ii	201	<i>guttula</i> Gould.	Maui.
ii	201	<b>Helicina fulgora</b> Gould.	Upolu, Manua.
ii	201	<i>musiva</i> Gould.	Upolu, Manua.
ii	202	<i>trochlea</i> Gould.	Matea Island.

## [Proceedings Boston Soc. Nat. Hist.]

Vol.	Page.		
ii	202	<b>Helicina multicolor</b> Gould.	Tongataboo.
ii	202	<i>uberta</i> Gould.	Maui, Oahu.
ii	202	<i>beryllina</i> Gould.	Feejees.
ii	202	<i>pallida</i> Gould.	Feejees.
ii	204	<b>Cyclostoma tiara</b> Gould.	Upolu.
ii	204	<i>strigatum</i> Gould.	Upolu.
ii	205	<i>plicatum</i> Gould.	Upolu.
ii	205	<i>obligatum</i> Gould.	Matea.
ii	205	<i>diatretum</i> Gould.	Feejees.
ii	205	<i>roseum</i> Gould.	Feejees.
ii	206	<i>terebrale</i> Gould.	Taheiti, Eimeo.
ii	206	<i>vallatum</i> Gould.	Tongataboo.
ii	206	<i>citulum</i> Gould.	Taheiti, Eimeo, Manua.
ii	208	<b>Truncatella aurantia</b> Gould.	Mangsi Island, Borneo.
ii	208	<i>Vitiana</i> Gould.	Feejees.
ii	208	<i>porrecta</i> Gould.	Taheiti.
ii	209	<i>rostrata</i> Gould.	Rio Janeiro.
June, 1847.			
ii	210	<b>Ancylus aduncus</b> Gould.	Madeira.
ii	211	<b>Dombeya fasciata</b> Gould.	Concon river, Chili.
ii	211	<i>opovata</i> Gould.	Concon river, Chili.
ii	211	<b>Limnea volutata</b> Gould.	Oahu.
ii	214	<b>Physa tabulata</b> Gould.	New Zealand.
ii	214	<i>gibbosa</i> Gould.	New South Wales.
ii	214	<i>sinuata</i> Gould.	Feejees.
ii	214	<i>reticulata</i> Gould.	Sandwich Islands.
ii	215	<i>venustula</i> Gould.	Lima.
ii	218	<b>Helix anguina</b> Gould.	Manko, Tavoy.
ii	219	<b>Melania pagodula</b> Gould.	Thoungyin river.
ii	219	<i>baccata</i> Gould.	Thoungyin river.
ii	219	<i>humerosa</i> Gould.	Manko, Tavoy.
ii	219	<i>fluctuosa</i> Gould.	Newville, Tavoy.
ii	220	<b>Neritina capillulata</b> Gould.	Tavoy.
ii	220	<b>Nerita articulata</b> Gould.	Tavoy.
ii	220	<b>Nematura puncticulata</b> Gould.	Tavoy.
ii	220	<b>Unio generosus</b> Gould.	Newville, Tavoy.
ii	222	<b>Melania Cybele</b> Gould.	Feejees, &c.
ii	222	<i>tetrica</i> Gould.	Feejees.
ii	222	<i>Terpsichore</i> Gould.	Feejees, &c.
ii	223	<i>corolla</i> Gould.	Bank's Penin., N. Zld.
ii	223	<i>lutosa</i> Gould.	Upolu.
ii	223	<i>corporosa</i> Gould.	Taheiti.
ii	224	<i>Scipio</i> Gould.	Samoa and Feejee Isls.
ii	224	<i>vainafa</i> Gould.	Upolu.

[Proceedings Boston Soc. Nat. Hist.]

Vol.	Page.		
ii	224	<b>Melania scitula</b> <i>Gould.</i>	Upolu.
July, 1847.			
ii	225	<b>furfurosa</b> <i>Gould.</i>	Manilla.
ii	225	<b>Melanopsis Zelandica</b> <i>Gould.</i>	New Zealand.
ii	237	<b>Neritina percata</b> <i>Gould.</i>	
ii	237	<b>cholericæ</b> <i>Gould.</i>	Feejees.
ii	237	<b>chrysocolla</b> <i>Gould.</i>	Upolu.
ii	238	<b>helvola</b> <i>Gould.</i>	Feejees.
ii	238	<b>siderea</b> <i>Gould.</i>	Feejees.
ii	238	<b>amœna</b> <i>Gould.</i>	
ii	238	<b>musiva</b> <i>Gould.</i>	
ii	239	<b>soluta</b> <i>Gould.</i>	
Dec. 1847.			
ii	251	<b>Bulla parallela</b> <i>Gould.</i>	
ii	251	<b>Tornatella bullata</b> <i>Gould.</i>	Patagonia.
ii	251	<b>Haliotis crispata</b> <i>Gould.</i>	New Holland.
ii	252	<b>Scalaria gracilentæ</b> <i>Gould.</i>	Mangsi Island.
ii	252	<b>texturata</b> <i>Gould.</i>	
Nov. 1848.			
iii	73	<b>Natica algida</b> <i>Gould.</i>	Rio Negro.
iii	73	<b>dilecta</b> <i>Gould.</i>	
iii	73	<b>Stomatella decolorata</b> <i>Gould.</i>	Mangsi Island.
iii	74	<b>tumida</b> <i>Gould.</i>	China Seas.
iii	74	<b>Ampullaria columellaris</b> <i>Gould.</i>	Mayna, Peru.
iii	74	<b>Amnicola badia</b> <i>Gould.</i>	Bank's Penin., N. Zld.
iii	75	<b>egena</b> <i>Gould.</i>	Bank's Penin., N. Zld.
iii	75	<b>Litiopa decussata</b> <i>Gould.</i>	Lat. 37° 40' N., long. 54° 30' W.
March, 1849.			
iii	83	<b>Littorina caliginosa</b> <i>Gould.</i>	Terra del Fuego.
iii	84	<b>acuminata</b> <i>Gould.</i>	Mangsi Island.
iii	84	<b>Stylifer acicula</b> <i>Gould.</i>	Feejee Islands.
iii	84	<b>Solarium egenum</b> <i>Gould.</i>	
iii	89	<b>Turbo confragosus</b> <i>Gould.</i>	Dean's Island.
iii	90	<b>sirius</b> <i>Gould.</i>	New Holland.
iii	90	<b>laciniatus</b> <i>Gould.</i>	Manilla.
iii	90	<b>Trochus pruninus</b> <i>Gould.</i>	Auckland Island.
iii	90	<b>texturatus</b> <i>Gould.</i>	New Zealand.
iii	91	<b>vupillus</b> <i>Gould.</i>	New Zealand.
iii	91	<b>jucundus</b> <i>Gould.</i>	New Zealand.
iii	91	<b>gradatus</b> <i>Gould.</i>	Pacific Island.
iii	92	<b>acinosus</b> <i>Gould.</i>	New Zealand.
iii	92	<b>elusus</b> <i>Gould.</i>	Singapore.

## [Proceedings Boston Soc. Nat. Hist.]

April, 1849.

Vol.	Page.		
iii	106	<b>Trochus bicrenatus</b> <i>Gould.</i>	
iii	106	<b>circumsutus</b> <i>Gould.</i>	Madagascar?
iii	106	<b>spurcus</b> <i>Gould.</i>	Madeira.
iii	107	<b>amœnus</b> <i>Gould.</i>	Feejee Islands.
iii	107	<b>(Monodonta) colubrinus</b> <i>Gld.</i>	Madeira.
iii	107	<b>instrictus</b> <i>Gould.</i>	Pacific Island.
iii	107	<b>atropurpureus</b> <i>Gould.</i>	Tutuilla.
iii	108	<b>rotellinus</b> <i>Gould.</i>	Mangsi Island.

May, 1849.

iii	118	<b>tantillus</b> <i>Gould.</i>	Sandwich Islands.
iii	118	<b>Planaxis lineolatus</b> <i>Gould.</i>	Wilson's Island.
iii	118	<b>Pyramidella ambigua</b> <i>Gould.</i>	Clermont Tonnerre Isl.
iii	119	<b>Cerithium aduncum</b> <i>Gould.</i>	Mindanao.
iii	119	<b>irroratum</b> <i>Gould.</i>	
iii	119	<b>sordidulum</b> <i>Gould.</i>	
iii	120	<b>invaginatum</b> <i>Gould.</i>	Feejee Islands.
iii	120	<b>cælatum</b> <i>Gould.</i>	Terra del Fuego.
iii	120	<b>pusillum</b> <i>Gould.</i>	Sandwich Islands.
iii	121	<b>egenum</b> <i>Gould.</i>	Wilson's Island.
iii	121	<b>ianthinum</b> <i>Gould.</i>	Clermont Tonnerre.
iii	140	<b>Pleurotoma seminifera</b> <i>Gould.</i>	
iii	140	<b>Mangelia cithara</b> <i>Gould.</i>	Feejee Islands.
iii	141	<b>Fusus liratus</b> <i>Gould.</i>	Orange Harbor.
iii	141	<b>crispus</b> <i>Gould.</i>	Orange Harbor.
iii	141	<b>incisus</b> <i>Gould.</i>	
iii	142	<b>sublutus</b> <i>Gould.</i>	
iii	142	<b>Brazilianum</b> <i>Gould.</i>	Rio Janeiro.
iii	143	<b>Triton mundum</b> <i>Gould.</i>	Tutuilla.
iii	143	<b>Phos varicosus</b> <i>Gould.</i>	Philippine Islands.
iii	143	<b>Murex (Trophon) fruticosus</b> <i>Gld.</i>	New Holland.

Jan. 1850.

iii	151	<b>Buccinum (Bullia?) velatum</b> <i>Gld.</i>	Mindanao.
iii	152	<b>funereum</b> <i>Gould.</i>	New Zealand.
iii	152	<b>(Pollia) farinosum</b> <i>Gould.</i>	Kauai.
iii	153	<b>Nassa musiva</b> <i>Gould.</i>	Cape de Verd Islands.
iii	153	<b>lurida</b> <i>Gould.</i>	Tutuilla.
iii	153	<b>curta</b> <i>Gould.</i>	Samoa Island.
iii	154	<b>cinctella</b> <i>Gould.</i>	Pacific Ocean.
iii	154	<b>casta</b> <i>Gould.</i>	Pacific Ocean.
iii	154	<b>acinosa</b> <i>Gould.</i>	
iii	155	<b>paupera</b> <i>Gould.</i>	Pacific Ocean.
iii	155	<b>rubicata</b> <i>Gould.</i>	Pacific Shore.



[Proceedings Boston Soc. Nat. Hist.]

Vol.	Page.		
iii	169	<b>Columbella valga</b> Gould.	Pacific.
iii	170	<i>castanea</i> Gould.	Rio Janeiro.
iii	170	<b>Mitra vitellina</b> Gould.	
iii	170	<i>fidicula</i> Gould.	
iii	171	<i>cophina</i> Gould.	Singapore.
iii	171	<i>robata</i> Gould.	
iii	171	<i>capillata</i> Gould.	Madeira.
iii	172	<i>encausta</i> Gould.	Feejee Islands.
iii	172	<b>Conus dilectus</b> Gould.	Feejee Islands.
April, 1850.			
iii	193	<b>Vaginulus Liberianus</b> Gould.	Liberia.
iii	193	<b>Succinea spurca</b> Gould.	Liberia.
iii	193	<i>helicoidea</i> Gould.	Liberia.
iii	194	<b>Helix indecorata</b> Gould.	Liberia.
iii	194	<i>cerea</i> Gould.	Cape Palmas.
iii	194	<i>talcosa</i> Gould.	Cape Palmas.
iii	194	<b>Bulimus mucidus</b> Gould.	Liberia.
iii	195	<i>infracinctus</i> Gould.	Taboo, Liberia.
iii	195	<b>Achatina ventricosa</b> Gould.	Liberia.
iii	195	<i>balteata</i> Gould.	Liberia.
iii	196	<i>paritura</i> Gould.	Liberia.
iii	196	<b>Amnicola ciliata</b> Gould.	Deca river, Liberia.
iii	196	<b>Ampullaria balanoidea</b> Gould.	Liberia.
iii	197	<b>Trichotropis pusillus</b> Gould.	Liberia.
iii	197	<b>Aplysia fimbriata</b> Gould.	South America.
iii	197	<b>Bulimus interstinctus</b> Gould.	
		<i>B. rubicundulus</i> Gould.	
May, 1850.			
iii	214	<b>Pholas patula</b> Gould.	Philippine Islands.
iii	214	<b>Solen scalprum</b> Gould.	Singapore.
iii	214	<b>Panopæa antarctica</b> Gould.	Rio Negro, Patagonia.
iii	215	<b>Mactra deluta</b> Gould.	New Zealand.
iii	216	<i>cuneola</i> Gould.	Callao.
iii	216	<i>marcida</i> Gould.	Orange Harbor.
iii	217	<b>Mesodesma munda</b> Gould.	Mangsi.
iii	217	<b>Pandora cistula</b> Gould.	East Patagonia.
iii	218	<b>Osteodesma Braziliensis</b> Gould.	Rio Janeiro.
iii	218	<b>Amphidesma croceum</b> Gould.	Callao.
iii	218	<b>Erycina (Poronia) ovata</b> Gould.	Sandwich Islands.
June, 1850.			
iii	252	( <b>Kellia</b> ) <b>quadrata</b> Gould.	Feejee Islands.
iii	252	<b>Tellina tithonia</b> Gould.	Sooloo Sea.
iii	252	<i>lauta</i> Gould.	

[Proceedings Boston Soc. Nat. Hist.]

Vol.	Page.		
iii	253	<b>Tellina compta</b> <i>Gould.</i>	
iii	253	<b>exulta</b> <i>Gould.</i>	Feejee Islands.
iii	253	<b>concentrica</b> <i>Gould.</i>	Feejee Islands.
iii	254	<b>perula</b> <i>Gould.</i>	Feejee Islands.
iii	254	<b>Psammobia florida</b> <i>Gould.</i>	Illawarra, N. S. Wales.
iii	254	<b>Donax pallidus</b> <i>Gould.</i>	Singapore.
iii	255	<b>tinctus</b> <i>Gould.</i>	
iii	255	<b>crocatus</b> <i>Gould.</i>	Mangsi.
iii	255	<b>Lucina ramulosa</b> <i>Gould.</i>	Paumotu Island.
iii	255	<b>inculta</b> <i>Gould.</i>	New Zealand.
iii	256	<b>vesicula</b> <i>Gould.</i>	Tongataboo.
iii	256	<b>lenticula</b> <i>Gould.</i>	Patagonia?
July, 1850.			
iii	276	<b>Cardita procera</b> <i>Gould.</i>	Rio Negro, Patagonia.
iii	276	<b>Cypricardia rosea</b> <i>Gould.</i>	Feejee Islands.
iii	277	<b>Arthemis lambata</b> <i>Gould.</i>	Bay of Islands.
iii	277	<b>Venus toreuma</b> <i>Gould.</i>	Mangsi.
iii	277	<b>calcarea</b> <i>Gould.</i>	New Zealand.
iii	278	<b>Arca sobria</b> <i>Gould.</i>	
Nov. 1850.			
iii	292	<b>Cyclas egregia</b> <i>Gould.</i>	New South Wales?
iii	293	<b>Cyrena debilis</b> <i>Gould.</i>	New Holland?
iii	293	<b>Anodon glauca</b> <i>Gould.</i>	Peru.
iii	295	<b>Unio lutulentus</b> <i>Gould.</i>	New Zealand.
iii	295	<b>profugus</b> <i>Gould.</i>	New South Wales.
iii	295	<b>verecundus</b> <i>Gould.</i>	Manilla.
iii	296	<b>dorsuosus</b> <i>Gould.</i>	Eastern Asia.
iii	309	<b>Avicula vidua</b> <i>Gould.</i>	Feejee Islands.
iii	309	<b>nigra</b> <i>Gould.</i>	Singapore.
iii	309	<b>maculata</b> <i>Gould.</i>	Tutuilla.
iii	309	<b>fucata</b> <i>Gould.</i>	Feejee Islands.
iii	310	<b>lurida</b> <i>Gould.</i>	New Zealand.
iii	310	<b>Auricula glabra</b> <i>Gould.</i>	New Zealand.
iii	310	<b>Crenatula pergaminea</b> <i>Gould.</i>	Feejee Islands.
iii	311	<b>Perna argillacea</b> <i>Gould.</i>	
iii	311	<b>torva</b> <i>Gould.</i>	Sandwich Islands.
iii	311	<b>eremita</b> <i>Gould.</i>	Carlshoff Islands.
iii	312	<b>nana</b> <i>Gould.</i>	Feejee Islands.
iii	312	<b>Pinna senticosa</b> <i>Gould.</i>	New Zealand.
Dec. 1850.			
iii	343	<b>Mytilus (Mod.) areolatus</b> <i>Gould.</i>	New Zealand.
iii	343	<b>hepaticus</b> <i>Gould.</i>	Feejee Islands.
iii	344	<b>pyriformis</b> <i>Gould.</i>	South Seas.

[Proceedings Boston Soc. Nat. Hist.]

Vol.	Page.		
iii	344	<b>Mytilus divaricatus</b> <i>Gould.</i>	China Seas.
iii	344	<b>algosus</b> <i>Gould.</i>	South Seas.
iii	345	( <b>Modiolarca</b> ) <b>pusillus</b> <i>Gould.</i>	Terra del Fuego.
iii	345	<b>Pecten lætus</b> <i>Gould.</i>	New Zealand.
iii	346	<b>Ostrea circumscuta</b> <i>Gould.</i>	Feejee and Samoa Isls.
iii	346	<b>mordax</b> <i>Gould.</i>	Feejee Islands.
iii	346	<b>glomerata</b> <i>Gould.</i>	New Zealand.
iii	347	<b>discoidea</b> <i>Gould.</i>	
iii	347	<b>Terebratula Patagonica</b> <i>Gould.</i>	Patagonia.
iii	348	<b>Mactra debilis</b> <i>Gould.</i>	Singapore.
Oct. 1854.			
v	35	Notes on—	
v	35	<b>Argonauta.</b>	
Sept. 1855.			
v	218	<b>Dr. W. Newcomb.</b>	
v	218	<b>Achatinella physa</b> <i>Newc.</i>	Hawaii.
v	218	<b>undulata</b> <i>Newc.</i>	Oahu.
v	219	<b>nigra</b> <i>Newc.</i>	East Maui.
v	219	<b>tetrao</b> <i>Newc.</i>	Ranai.
v	220	<b>succincta</b> <i>Newc.</i>	Oahu.
Aug. 1856.			
v	369	<b>Dr. J. C. Warren,</b> On the animal of the Argonaut Shell.	
Sept. 1856.			
v	386	<b>Dr. James C. Parkinson.</b>	
v	386	<b>Argonauta Conradi</b> <i>Park.</i>	New Nantucket, Pacific
v	387	<b>fragilis</b> <i>Park.</i>	[Ocean.]
Oct. 1856.			
vi	11	<b>Dr. A. A. Gould.</b>	
vi	11	<b>Helix reperculsa</b> <i>Gould.</i>	Tavoy, Merqui.
vi	12	<b>Bulimus lepidus</b> <i>Gould.</i>	Merqui Island.
vi	12	<b>lautus</b> <i>Gould.</i>	Quito.
vi	12	<b>Streptaxis prostata</b> <i>Gould.</i>	Cape Palmas, &c.
vi	13	<b>elisa</b> <i>Gould.</i>	Merqui Archipelago.
vi	13	<b>exacutus</b> <i>Gould.</i>	Burmah.
vi	13	<b>Clausilia vespa</b> <i>Gould.</i>	Tavoy.
vi	14	<b>Cyclostoma pollex</b> <i>Gould.</i>	Tavoy.
vi	14	<b>cucullata</b> <i>Gould.</i>	Merqui.
vi	15	<b>Teredo thoracites</b> <i>Gould.</i>	Tavoy.

[Proceedings Boston Soc. Nat. Hist.]

Feb. 1859.

Vol. Page.

vi	422	North Pacific Exploring Expedition Shells.	
vi	422	<i>Succinea lauta</i> Gould.	Hakodadi.
vi	422	<i>Vitrina imperator</i> Gould.	Hong Kong.
vi	422	<i>Helix læta</i> Gould.	Hakodadi.
vi	422	<i>labalis</i> Gould.	Hakodadi.
vi	423	<i>pupula</i> Gould.	Hakodadi.
vi	423	<i>pauper</i> Gould.	Petropaulski, &c.
vi	423	<i>operculina</i> Gould.	Peel Island, Bonin.
vi	423	<i>squarrosa</i> Gould.	Ousima, Japan.
vi	423	<i>Nanina pisolina</i> Gould.	Cape of Good Hope.
vi	424	<i>Corilla pulvinalis</i> Gould.	Hong Kong, &c.
vi	424	<i>Streptaxis Sinensis</i> Gould.	Hong Kong, &c.
vi	424	<i>Clausilia præclara</i> Gould.	Loo Choo.
vi	424	<i>Alycæus pilula</i> Gould.	Hong Kong.
vi	425	<i>Cyclotus illotus</i> Gould.	Loo Choo.
vi	425	<i>Cyclostoma barbata</i> Gould.	Ousima.
vi	425	<i>citharella</i> Gould.	Ousima.
vi	425	<i>musiva</i> Gould.	Japan?
vi	425	<i>Japonia</i> Gould (n. s. g.)	
vi	426	<i>Helicina verecunda</i> Gould.	Loo Choo.

June, 1859.

vii	40	<i>Succinea lyrata</i> Gould.	Loo Choo.
vii	40	<i>Auricula</i> ( <i>Leuconia</i> ) <i>opportuna</i> Gd.	Loo Choo.
vii	40	<i>Omphalotropis strictus</i> Gould.	Loo Choo.
vii	40	<i>Limnæa ollula</i> Gould.	Hong Kong.
vii	40	<i>Ancylus gaulus</i> Gould.	Cape of Good Hope.
vii	40	<i>Planorbis spirillus</i> Gould.	Ousima.
vii	41	<i>Segmentina lucida</i> Gould.	Loo Choo.
vii	41	<i>usta</i> Gould.	Loo Choo.
vii	41	<i>Paludina histrica</i> Gould.	Loo Choo, &c.
vii	41	<i>Bithynia divalis</i> Gould.	Canton.
vii	41	<i>Assimineæ debilis</i> Gould.	Loo Choo.
vii	42	<i>rubida</i> Gould.	Loo Choo.
vii	42	<i>Melania libertina</i> Gould.	Simoda, &c.
vii	42	<i>gracilina</i> Gould.	Taheiti.
vii	42	<i>dolorosa</i> Gould.	Hakodadi.
vii	43	<i>Neritella puella</i> Gould.	Loo Choo.
vii	43	( <i>Clithon</i> ) <i>penicillata</i> Gould.	New Ireland.
vii	43	<i>Nerita pica</i> Gould.	Simoda.
vii	43	<i>Natica severa</i> Gould.	Hakodadi.
vii	43	<i>rusa</i> Gould.	Arctic Ocean.
vii	44	<i>puerilis</i> Gould.	Porto Prayta.
vii	44	<i>Gena dilecta</i> Gould.	Hakodadi.

[Proceedings Boston Soc. Nat. Hist.]

Vol.	Page.		
vii	44	<b>Vanikoro scalarina</b> <i>Gould.</i>	Loo Choo.
vii	44	<b>Fossar tornatilis</b> <i>Gould.</i>	Hong Kong.
Oct. 1859.			
vii	138	<b>Paxillus tantillus</b> <i>Gould.</i>	Hong Kong.
vii	138	<i>lyratus</i> <i>Gould.</i>	Loo Choo.
vii	138	<b>Littorina vidua</b> <i>Gould.</i>	Ousima.
vii	138	<b>Bulla vernicosa</b> <i>Gould.</i>	Loo Choo.
vii	138	<b>Atys muscaria</b> <i>Gould.</i>	China Seas.
vii	138	<i>porcellana</i> <i>Gould.</i>	Kagosima Bay.
vii	139	<b>Haminea angusta</b> <i>Gould.</i>	Simoda.
vii	139	<b>Philine vitrea</b> <i>Gould.</i>	Hong Kong.
vii	139	<i>argentata</i> <i>Gould.</i>	Hakodadi.
vii	139	<b>Tornatina apicina</b> <i>Gould.</i>	Sydney Harbor.
vii	139	<b>Cylichna villica</b> <i>Gould.</i>	China Seas.
vii	140	<i>ellipsoidea</i> <i>Gould.</i>	Loo Choo.
vii	140	<i>regularis</i> <i>Gould.</i>	Sydney Harbor.
vii	140	<i>operosa</i> <i>Gould.</i>	Hong Kong.
vii	140	<i>læta</i> <i>Gould.</i>	Kagosima.
vii	140	<i>protracta</i> <i>Gould.</i>	China.
vii	140	<i>tubulosa</i> <i>Gould.</i>	Cape of Good Hope.
vii	140	<i>melampoides</i> <i>Gould.</i>	China Seas.
vii	141	<i>consobrina</i> <i>Gould.</i>	Jesso.
vii	141	<b>Actæon secale</b> <i>Gould.</i>	China Seas.
vii	141	<b>Buccinulus strigosus</b> <i>Gould.</i>	Loo Choo, &c.
vii	141	<b>Liotia solidula</b> <i>Gould.</i>	China.
vii	141	<i>loculosa</i> <i>Gould.</i>	Loo Choo.
vii	142	<i>fulgens</i> <i>Gould.</i>	Cape of Good Hope.
vii	142	<i>asteriscus</i> <i>Gould.</i>	Hong Kong.
vii	142	<b>Cyclostrema modestum</b> <i>Gould.</i>	Hong Kong.
Dec. 1859.			
vii	161	<b>Patella grata</b> <i>Gould.</i>	Nippon.
vii	162	<i>pallida</i> <i>Gould.</i>	Hakodadi.
vii	162	<b>Acmæa dorsuosa</b> <i>Gould.</i>	Hakodadi.
vii	162	<b>Scutellina unguiformis</b> <i>Gould.</i>	Kagosima.
vii	162	<i>scobinata</i> <i>Gould.</i>	Ousima.
vii	162	<b>Emarginula pileata</b> <i>Gould.</i>	Loo Choo.
vii	162	( <i>Clypidina</i> ) <i>altilis</i> <i>Gould.</i>	Kagosima.
vii	163	<i>radiata</i> <i>Gould.</i>	Sydney.
vii	163	<i>textilis</i> <i>Gould.</i>	Ousima.
vii	163	<b>Rimula echinata</b> <i>Gould.</i>	Gaspé Straits.
vii	163	<b>Chiton (Lophyrus) lugubris</b> <i>Gould.</i>	
vii	163	( <i>Leptochiton</i> ) <i>comptus</i> <i>Gould.</i>	Ousima, &c.
vii	164	<i>Jacobæus</i> <i>Gould.</i>	Simoda.
vii	164	<i>concinnus</i> <i>Gould.</i>	Hakodadi.

[Proceedings Boston Soc. Nat. Hist.]

Vol.	Page.		
vii	164	<b>Chiton (Leptochiton) craticulatus</b> <i>Gld.</i>	China, &c.
vii	164	( <b>Lepidopleura</b> ) <b>lepidus</b> <i>Gould.</i>	China.
vii	165	( <b>Chætopleura</b> ) <b>plumosus</b> <i>Gld.</i>	
vii	165	( <b>Acanthochætetes</b> ) <b>achates</b> <i>Gld.</i>	Kikaia, &c.
vii	165	( <b>Molpalia</b> ) <b>Stimpsoni</b> <i>Gould.</i>	Hakodadi.
vii	165	<b>Dentalium aciculum</b> <i>Gould.</i>	China.
vii	166	<b>hexagonum</b> <i>Gould.</i>	Hong Kong.
vii	166	<b>buccinulum</b> <i>Gould.</i>	Kagosima.
vii	166	<b>intercalatum</b> <i>Gould.</i>	China.
vii	166	<b>strigatum</b> <i>Gould.</i>	Cape of Good Hope.
vii	166	<b>porcatum</b> <i>Gould.</i>	Hong Kong.
vii	166	<b>clavatum</b> <i>Gould.</i>	Hong Kong.

**Rafinesque.**—On eight Asiatic bivalve fluviatile Shells. In the Appendix to the Continuation of a Monograph, &c. (vide p. 4): by C. S. RAFINESQUE.

Page.

6	<b>Diplasma</b> <i>Raf.</i> (n. g.)	
6	<b>marginata</b> <i>Raf.</i>	Tennessee? Hindostan?
6	<b>similis</b> <i>Raf.</i>	Ganges.
6	<b>vitrea</b> <i>Raf.</i>	River Jellingby.
6	<b>striata</b> <i>Raf.</i>	River Jellingby.
7	<b>Hemisolasma</b> <i>Raf.</i> (n. s. g.)	
7	<b>Unio (Lampsilis) fulgens</b> <i>Raf.</i>	Ganges.
7	<b>argyratus</b> <i>Raf.</i>	Ganges.
7	<b>corrugata</b> <i>Auct.</i>	Baramputra.
7	( <b>Obliquaria? Aximedia?</b> ) <i>Raf.</i>	
7	<b>Longocilla</b> <i>Raf.</i> (n. g.)	
7	<b>solenoides</b> <i>Raf.</i> ( <i>Anodonta</i> ).	River Jellingby.
7	<b>Dianisotis</b> <i>Raf.</i> (n. g.)	
7	<b>chinensis</b> <i>Raf.</i>	
	<i>Symphonata bialata</i> <i>Lea.</i>	

**Harris.**—Account of Pawpaw or Cowry Shells found in Dorchester, in a letter to the Hon. John Davis, Esq.: by Rev. THADDEUS MASON HARRIS, F. A. A. (In Mem. American Academy of Arts and Sciences, vol. iii, pt. 1. Cambridge, 1809, pp. 159, 160.)

Page.

159	<b>Cypræa moneta.</b>	Dorchester?
-----	-----------------------	-------------

**Lea.**—Observations on the genus *Unio*, &c. &c. (vide p. 433).

[The following are the foreign species.—W. G. B.]

TR. A. P. S. Vol. iii. 1830.			OBS.		
Pa.	Pl.	Fig.	V.	Pa.	
421			i	35	Remarks on Lamarck's species of <i>Naiades</i> .
445	xiv	24	i	59	<b><i>Symphynota bi-alata</i> Lea.</b> Asia?
456			i	70	<b><i>cygnea</i> Lea.</b> Europe. <i>Mytilus cygneus</i> Linn. <i>Anodonta cygneus</i> Lam.
Vol. iv. 1834.					
91	xii	22	i	101	<b><i>Unio multistriatus</i> Lea.</b> Brazil.
95	xiii	25	i	105	<b><i>cæruleus</i> Lea.</b> Hoogly r., Hind.
97	xiii	27	i	107	<b><i>incurvus</i> Lea.</b> Gibraltar.
98	xi	19	i	108	<b><i>Symphynota bilineata</i> Lea.</b> Hoogly r., Hind.
108	xxi	38	i	118	<b><i>Unio olivarius</i> Lea.</b> Burril r., India.
Vol. v. 1837.					
28	i	1	i	140	<b><i>Nicklinianus</i> Lea.</b> China.
33	iii	6	i	145	<b><i>Murchisonianus</i> Lea.</b> China.
40	viii	19	i	152	<b><i>lacteolus</i> Lea.</b> R. de la Plata.
42	v	13	i	154	<b><i>Symphynota Woodiana</i> Lea.</b> China.
43	v	14	i	155	<b><i>magnifica</i> Lea.</b> China.
49	xix	56	i	161	<b><i>Helicina lens</i> Lea.</b> Feejee Islands.
49	xix	57	i	161	<b><i>pulcherrima</i> Lea.</b> Java (Cuba, ii,
50	xix	58	i	162	<b><i>virginea</i> Lea.</b> Java. [69]. <i>Hel. striata</i> Lam?
51	xix	59	i	163	<b><i>Helix muscarum</i> Lea.</b> Society Islands.
51	xix	60	i	163	<b><i>purpuragula</i> Lea.</b> Java Islands.
52	xix	61	i	164	<b><i>ovum-reguli</i> Lea.</b> Java Islands.
53	xix	62	i	165	<b><i>monodonta</i> Lea.</b> Java Islands.
53	xix	63	i	165	<b><i>cyclostomopsis</i> Lea.</b>
54	xix	64	i	166	<b><i>mamilla</i> Lea.</b>
54	xix	65	i	166	<b><i>diaphana</i> Lea.</b>
55	xix	66	i	167	<b><i>Himalana</i> Lea.</b> Himalaya Mts.
56	xix	67	i	168	<b><i>vesica</i> Lea.</b>
56	xix	68	i	168	<b><i>cincta</i> Lea.</b> Java?
57	xix	69	i	169	<b><i>Woodiana</i> Lea.</b> Canton.
58	xix	70	i	170	<b><i>globula</i> Lea.</b> Canton.
60	viii	20	i	172	<b><i>Unio parallelopedon</i> Lea.</b> River Parana.
62	ix	22	i	174	<b><i>emarginatus</i> Lea.</b>
62	ix	24	i	176	<b><i>divaricatus</i> Lea.</b> Egypt.
62	ix	25	i	177	<b><i>Corrianus</i> Lea.</b> India.
66	ix	26	i	178	<b><i>Grayanus</i> Lea.</b> China.

[Lea, Observations, &amp;c.]

Tr. A. P. S. Vol. v. 1837.			OBS.		
Pa.	Pl.	Fig.	V.	Pa.	
67	x	27	i	179	<b>Unio Burroughianus</b> <i>Lea.</i> River Parana.
75	xi	33	i	187	<b>Symphynota discoidea</b> <i>Lea.</i>
76	xii	34	i	188	<b>Anodonta latomarginata</b> River Parana.
77	xii	35	i	189	<b>Blainvilliana</b> <i>Lea.</i> [ <i>Lea.</i> Chili?
78	xii	36	i	190	<b>tenebricosa</b> <i>Lea.</i> River Parana.
80	xiii	37	i	192	<b>Mortoniana</b> <i>Lea.</i> River Parana.
81	xix	72	i	193	<b>Melania aculeus</b> <i>Lea.</i> Java?
81	xix	73	i	193	<b>Lymnæa imperialis</b> <i>Lea.</i> South America?
82	xix	74	i	194	<b>Melanopsis princeps</b> <i>Lea.</i> C. of Good Hope.
82	xix	75	i	194	<b>maculata</b> <i>Lea.</i> Peru.
83	xix	76	i	195	<b>Auricula fuscagula</b> <i>Lea.</i> Brazil (Cuba, ii,
84	xix	77	i	196	<b>Cyclostoma striata</b> <i>Lea.</i> Peru. [69].
99	xiv	42	i	311	<b>Unio Paranensis</b> <i>Lea.</i> River Parana.
105	xvi	49	i	317	<b>Anodonta Burroughiana</b> Island Luconia.
107	xvii	51	i	219	<b>Cyrena rotundata</b> <i>Lea.</i> [ <i>Lea.</i>
108	xvii	52	i	320	<b>Jayensis</b> <i>Lea.</i> Batavia?
109	xviii	53	i	321	<b>turgida</b> <i>Lea.</i> India.
110	xviii	55	i	322	<b>Woodiana</b> <i>Lea.</i> Canton.
111	xviii		i	323	<b>Aprodite</b> <i>Lea.</i> (n. g.)
111	xviii	54	i	323	<b>columba</b> <i>Lea.</i>
113	xix	80	i	325	<b>Paludina Burroughiana</b> <i>Lea.</i> Island Luconia.
Vol. vi. 1839.					
3	ii	3	ii	3	<b>Unio Bengalensis</b> <i>Lea.</i> Bengal.
16	xxiii	77	ii	16	<b>Ampullaria Pealiana</b> <i>Lea.</i> Turbaco, Colum-
19	vi	16	ii	19	<b>Unio lamellatus</b> <i>Lea.</i> Bengal. [bia.
20.	xxiii	95	ii	20	<b>Melania plicata</b> <i>Lea.</i> Bengal?
21			ii	21	<b>Megaspira</b> <i>Lea.</i> (n. g.)
21	xxiii	101	ii	21	<b>Ruschenbergiana</b> <i>Lea.</i> Brazil?
65	xxiii	100	ii	65	<b>Bulimus lacteus</b> <i>Lea.</i> Magdalena riv.
65	xxiii	105	ii	65	<b>Pealianus</b> <i>Lea.</i> Angostura, Col.
66	xxiii	110	ii	66	<b>Columbianus</b> <i>Lea.</i> Magdalena riv.
66	xxiii	111	ii	66	<b>corneus</b> <i>Lea.</i> Buena Vista, Co- lumbia.
68	xxiii	87	ii	68	<b>Cyclostoma maculata</b> <i>Lea.</i> Manilla.
74	xviii	57	ii	74	<b>Unio discus</b> <i>Lea.</i> India.
75	xviii	58	ii	75	<b>contradens</b> <i>Lea.</i>
81	xxii	68	ii	81	<b>Anodonta exilis</b> <i>Lea.</i>
82	xxii	70	ii	82	<b>Iridina cælestis</b> <i>Lea.</i> Africa.
83	xxiii	92	ii	83	<b>Bulimus glandiformis</b> <i>Lea.</i> New Grenada.
84	xxiii	96	ii	84	<b>parvus</b> <i>Lea.</i> Carthagena.
84	xxiii	97	ii	84	<b>virgo</b> <i>Lea.</i> Carthagena.
85	xxiii	99	ii	85	<b>Gibbonius</b> <i>Lea.</i> New Grenada.



## [Lea, Observations, &amp;c.]

Tr. A. P. S. Vol. vi. 1839.			Obs.		
Pa.	Pl.	Fig.	V.	Pa.	
85	xxiii	102	ii	85	<b>Bulimus gracilis</b> <i>Lea.</i> Carthagera.
86	xxiii	108	ii	86	<b>decoratus</b> <i>Lea.</i> Carthagera.
86	xxiii	112	ii	86	<b>maculatus</b> <i>Lea.</i> Carthagera.
89	xxiii	88	ii	89	<b>Helix magnifica</b> <i>Lea.</i> New Grenada.
90	xxiii	78	ii	90	<b>Paludina sinistrorsa</b> <i>Lea.</i> India.
94	xxiii	76	ii	94	<b>Cyclostoma Popayana</b> <i>Lea.</i> New Grenada.
98	xxiii	73	ii	98	<b>Carocolla Hydiana</b> <i>Lea.</i> Porto Cabello.
108	xxiv	116	ii	108	<b>Unio Brownianus</b> <i>Lea.</i> River Amazon.
121			ii	121	Synopsis of the family of Naiades.
141			ii	141	<b>Platiris</b> <i>Lea</i> (n. g.)
141			ii	141	<b>Spatha</b> <i>Lea</i> (n. s. g.)
Vol. vii. 1841.					
455	Description of nineteen new species of Colimacea.				
455	xi	1			<b>Bulimus subglobosus</b> <i>Lea.</i> Philippine Islds.
455	xi	2			<b>virido-striatus</b> <i>Lea.</i> Philippine Islds.
456	xi	3			<b>virginieus</b> <i>Lea.</i> Philippine Islds.
457	xi	4			<b>Liberianus</b> <i>Lea.</i> Liberia.
457	xi	5			<b>Woodianus</b> <i>Lea.</i> Philippine Islds.
458	xi	6			<b>gracilis</b> <i>Lea.</i> Philippine Islds.
458	xi	7			<b>carinatus</b> <i>Lea.</i> Philippine Islds.
459	xi	8			<b>bicoloratus</b> <i>Lea.</i> Philippine Islds.
459	xii	9			<b>Helix Blandingiana</b> <i>Lea.</i> Liberia.
460	xii	10			<b>Balestieriana</b> <i>Lea.</i> Philippine Islds.
461	xii	11			<b>Lamarckiana</b> <i>Lea.</i> Philippine Islds.
461	xii	12			<b>Cuvieriana</b> <i>Lea.</i> Philippine Islds.
462	xii	13			<b>luteo-fasciata</b> <i>Lea.</i> Philippine Islds.
462	xii	14			<b>cepoides</b> <i>Lea.</i> Philippine Islds.
463	xii	15			<b>Blainvilliana</b> <i>Lea.</i> Philippine Islds.
463	xii	16			<b>Humphreysiana</b> <i>Lea.</i> Pondicherry, Singapore.
464	xii	17			<b>ferruginea</b> <i>Lea.</i> Philippine Islds.
465	xii	18			<b>Carocolla bifasciata</b> <i>Lea.</i> Philippine Islds.
465	xii	19			<b>Cyclostoma Woodiana</b> <i>Lea.</i> Philippine Islds.
Vol. viii. 1843.					
192	vii	2	iii	30	<b>Unio cucumoides</b> <i>Lea.</i> Hunter's r., N. S.
218	xvii	35	iii	55	<b>delphinus</b> <i>Lea.</i> N. Holland? [W.]
220	xviii	37	iii	56	<b>Javanus</b> <i>Lea.</i> Java.
221	xviii	38	iii	58	<b>orientalis</b> <i>Lea.</i> [ana <i>Lea.</i> Java?
222	xviii	39	iii	59	<b>Margaritana Vondenbuschi</b> -Java?

## [Lea, Observations, &amp;c.]

Tr. A. P. S.			Obs.			
Vol. viii. 1843.						
Pa.	Pl.	Fig.	V.	Pa.		
239	xxiii	53	iii	77	<b>Unio Rajahensis</b> <i>Lea.</i>	Calcutta.
240	xxiii	55	iii	78	<b>Anodonta Montezuma</b> <i>Lea.</i>	Central America.
Vol. ix. 1844.						
2			iv	2	<b>Bulimus Jayanus</b> <i>Lea.</i>	Java?
2			iv	2	<b>Achatina turbinata</b> <i>Lea.</i>	Liberia.
3			iv	3	<b>striata</b> <i>Lea.</i>	Liberia.
3			iv	3	<b>Succinea gracilis</b> <i>Lea.</i>	Java?
5			iv	5	<b>Candeana</b> <i>Lea.</i>	Martinique.
5			iv	5	<b>fulgens</b> <i>Lea.</i>	Cuba.
12			iv	12	<b>Lymnæa rubella</b> <i>Lea.</i>	Oahu.
Vol. ix. 1846.						
281	xlii	11	iv	39	<b>Unio superbus</b> <i>Lea.</i>	New Holland.
282	xlii	12	iv	50	<b>aratus</b> <i>Lea.</i>	
Vol. x, pt. 2, 1852.						

## New Fresh Water and Land Shells.

282	xxiv	41	v	38	<b>Ingallsianus</b> <i>Lea.</i>	Siam.
288	xxvi	48	v	43	<b>Anodonta Trautrimiana</b> <i>Lea.</i>	Carthagera.
288	xxvi	49	v	43	<b>Wheatleyi</b> <i>Lea.</i>	Para, S. A.
291	xxviii	54	v	47	<b>tortilis</b> <i>Lea.</i>	Carthagera.
292	xxiv	55	v	48	<b>Schröteriana</b> <i>Lea.</i>	Rio Negro, Br.
295			v	51	<b>Basistoma</b> <i>Lea</i> (n. g.)	
296	xxx	1	v	52	<b>Edwardsi</b> <i>Lea.</i>	Tecotinus r., S.A.

JOURN. A. N. S. OBS.  
Vol. ii. Jan. 1852.

125					On the genus <i>Acostæa</i> of D'Orbigny, a Fresh Water Lamellibranchiata (pp. 125-132).	
-----	--	--	--	--	--	--

Vol. iii. Jan. 1858.

## New Fresh Water and Land Shells.

289	xxi	1	vi	9	<b>Unio Hainesianus</b> <i>Lea.</i>	Siam.
290	xxii	2	vi	10	<b>Myersianus</b> <i>Lea.</i>	Siam.
291	xxiii	3	vi	11	<b>Housei</b> <i>Lea.</i>	Siam.
291	xxiv	4	vi	11	<b>luteus</b> <i>Lea.</i>	Newville, Bur-
					<i>U. lutens</i> <i>Lea.</i>	[mah.
292	xxiv	5	vi	12	<b>gravidus</b> <i>Lea.</i>	Siam.
293	xxiv	6	vi	13	<b>inornatus</b> <i>Lea.</i>	Siam.
294	xxv	7	vi	14	<b>rusticus</b> <i>Lea.</i>	Siam.
294	xxv	8	vi	14	<b>eximius</b> <i>Lea.</i>	Siam.
295	xxv	9	vi	15	<b>tumidulus</b> <i>Lea.</i>	Siam.
296	xxvi	10	vi	16	<b>humilis</b> <i>Lea.</i>	Siam.

[Lea, Observations, &amp;c.]

Journ. A. N. S.			Obs.			
Vol. iii. Jan. 1858.						
Pa.	Pl.	Fig.	V.	Pa.		
297	xxvi	11	vi	17	<b>Unio phaselus</b> <i>Lea.</i>	Siam.
298	xxvi	12	vi	18	<b>sagittarius</b> <i>Lea.</i>	Siam.
299	xxvi	13	vi	19	<b>scobinatus</b> <i>Lea.</i>	Siam.
300	xxvi	14	vi	20	<b>substriatus</b> <i>Lea.</i>	Siam.
300	xxvii	15	vi	20	<b>Africanus</b> <i>Lea.</i>	C. of Good Hope.
301	xxvii	16	vi	21	<b>Verreauianus</b> <i>Lea.</i>	C. of Good Hope.
302	xxvii	17	vi	22	<b>Shurtleffianus</b> <i>Lea.</i>	Sina river, India.
303	xxviii	18	vi	23	<b>effulgens</b> <i>Lea.</i>	Brazil.
304	xxviii	19	vi	24	<b>Shuttleworthii</b> <i>Lea.</i>	Australia.
305	xxviii	20	vi	25	<b>Dunkerianus</b> <i>Lea.</i>	Rio de Janeiro.
306	xxviii	21	vi	26	<b>nucleus</b> <i>Lea.</i>	Siam.
307	xxix	22	vi	27	<b>Brownii</b> <i>Lea.</i>	Mocha?
308	xxix	23	vi	28	<b>Wheatleyanus</b> <i>Lea.</i>	R. Negro, Plata.
309	xxix	24	vi	29	<b>Suavidicus</b> <i>Lea.</i>	River Amazon.
310	xxx	25	vi	30	<b>Nuttallianus</b> <i>Lea.</i>	India.
312	xxx	27	vi	32	<b>Newcombianus</b> <i>Lea.</i>	Nicaragua.
313	xxx	28	vi	33	<b>Cambodiensis</b> <i>Lea.</i>	Tackrong river.
316	xxxii	31	vi	36	<b>Anodonta Holtonis</b> <i>Lea.</i>	Carthage, New
317			vi	37	<b>Plagiodon</b> <i>Lea</i> (n. s. g.)	[Grenada.
318	xxxii	32	vi	38	<b>isocardioides</b> <i>Lea.</i>	River Plata.
319	xxxiii	33	vi	39	<b>Triquetra contorta</b> <i>Lea.</i>	China.
					<i>T. lanceolata</i> <i>Lea.</i>	

**Haldeman, Phillips, Conrad, Lea, &c.**—The Proceedings of the Academy of Natural Sciences of Philadelphia.

July, 1841.

Vol.	Pa.	Pl.	Fig.	
i	53			<b>Haldeman.</b> —(Same as p. 372.)
i	53			<b>Pisidium diaphanum</b> <i>Hald.</i> Brazil?

May, 1846.

iii	66			<b>Phillips.</b> —Description of a new Fresh Water Shell, and observations on <i>Glandina obtusa</i> Pfr.: by Joun S. PHILLIPS.
iii	66	i	11	<b>Physa princeps</b> <i>Phil.</i> Yucatan.
iii	66	i	33	<b>Glandina (Achatina) cylindracea</b> <i>Phil.</i> Yucatan. <i>G. obtusa</i> Pfr.?

[Proceedings Academy of Natural Sc.]

Dec. 1848.

Vol. Pa.  
iv 121**Conrad.**—(Vide p. 373.)

iv 121

**Triton nobilis** *Conr.* West Indies.  
*T. variegatus* Rve.

Feb. 1850.

v 10

**Conrad.**—Descriptions of new species of Fresh Water  
Shells: by T. A. CONRAD. (Vide, also, p. 374.)

v 10

**Unio cultelliformis** *Conr.* Bogan river, Australia.

v 10

**Napeanensis** *Conr.* Napean riv., Australia.

v 10

**Balonnensis** *Conr.* Balonne r., Australia.

v 10

**Paludina sublineata** *Conr.* Darling r., Australia.

v 11

**Physa pectorosa** *Conr.* Bogan river, Australia.

v 11

**Australiana** *Conr.* Bogan river, Australia.

v 11

**Melania tetrica** *Conr.* Rivers of Australia.

v 11

**Balonnensis** *Conr.* Balonne r., Australia.

v 11

**Lymnea perlevis** *Conr.* Salamanca and Ba-  
lonne rs., Australia.

Oct. 1851.

v 277

**I. Lea.**—Notices on—

v 277

**Mulleria Ferussacii** *Lea.* New Granada.

v 277

**Guaduasana** *D'Orb.* New Granada.*Acostæa guaduasana* D'Or.

March, 1852.

vi 54

**I. Lea.**—Description of a new species of Symphynote  
Unio: by I. LEA.

vi 54

**Unio Cumingii** *Lea.* North of China.

Feb. 1852.

vi 267

**Conrad.**—(Vide p. 382.)[Several foreign genera and sub-genera of Unionidæ are given.—  
W. G. B.]

Aug. 1853.

vi 376

**I. Lea.**—Notes on—

vi 376

**Unio Kraussii** *Lea.*  
*Castalia sulcata* Krauss.

vi 376

**Dipsas plicatus** *Lea.* Liberia.  
*Anodonta Herculea* Midd.

vi 376

**Unio superbus** *Lea.* Danu-Luar river.  
*U. macropterus* Dunk.

vi 377

**cucumoides** *Lea.* Sumatra.  
*U. Cumingii* Dunk.

[Proceedings Academy of Natural Sc.]

Dec. 1853.

Vol. Pa.

vi 448 **T. A. Conrad.**—Synopsis of *Cassidula*, &c. (vide p. 383).vi 448 **Cassidula hippocastanum.** Samar.*Murex hippocastanum* Born.*Buccinum calcaratum* Sol.*Cassidula calcarata* Humphr.*Murex calcaratus* Dill.*Pyrula galeodes* Lam.vi 448 **melongena.** West Indies.*Murex melongena* Linn.*Pyrula melongena* Lam.vi 448 **bispinosa** Conr.*Pyrula bispinosa* Phil.vi 449 **patula** Conr. Caraccas Bay.vi 449 **? parasidiaca.***Pyrum parasidiacum* Mart.*Pyrula nodosa* Lam.vi 449 **T. A. Conrad.***Requienia Senseni* Conr. = **Arietina** Conr. (n. s. g.)

Jan. 1854.

vii 1 **I. Lea.**—Note on—*Acostæa guaduasana* D'Orb.

March, 1854.

vii 32 **Conrad.**—(Vide p. 384.)vii 32 **Bulimus lineolatus** Conr. Volcano of Cartago,  
Costa Rica.

June, 1855.

vii 375 **Stimpson.**—Descriptions of some of the new Marine  
Invertebrata from the Chinese and Japanese Seas, &c. :  
by WILLIAM STIMPSON, Zoologist to the United States  
Surveying Expedition to North Pacific, Japan Seas,  
&c., Lieut. John Rodgers, Commander.vii 377 **Ascidia tubifera** St. China.vii 377 **calcata** St. Japan.vii 377 **Schizascus** St. (n. g.)vii 377 **pellucidus** St. China.vii 377 **papillosus** St. China.vii 377 **Molgula labeculifera** St. China.

## [Proceedings Academy of Natural Sc.]

Vol.	Pa.		
vii	377	<b>Cynthia satsumensis</b> <i>St.</i>	Japan.
vii	377	<i>delicatula</i> <i>St.</i>	Tanegasima.
vii	377	<i>ocellifera</i> <i>St.</i>	China.
vii	378	<i>gemmata</i> <i>St.</i>	China.
vii	378	<i>araneosa</i> <i>St.</i>	China.
vii	378	<b>Coriocella punctata</b> <i>St.</i>	Ousima.
vii	378	<i>tuberosa</i> <i>St.</i>	China.
vii	378	<b>Aplysia laevigata</b> <i>St.</i>	Ousima.
vii	378	<b>Notarchus gibbosus</b> <i>St.</i>	China.
vii	378	<i>lineolatus</i> <i>St.</i>	Loo Choo.
vii	378	<b>Placobranchus guttatus</b> <i>St.</i>	Loo Choo.
vii	379	<b>Eolis humilis</b> <i>St.</i>	China.
vii	379	<b>Gymnodoris</b> <i>St.</i> (n. g.)	
vii	379	<i>maculata</i> <i>St.</i>	Loo Choo.
vii	379	<b>Polycera?</b> <i>ramulosa</i> <i>St.</i>	China.
vii	379	<b>Idalia tentaculata</b> <i>St.</i>	China.
vii	379	<b>Hemidoris</b> <i>St.</i> (n. g.)	
vii	379	<i>cœruleata</i> <i>St.</i>	China.
vii	379	<b>Doris indurata</b> <i>St.</i>	China.
vii	379	<i>gibberosa</i> <i>St.</i>	China.
vii	380	<i>olivacea</i> <i>St.</i>	Loo Choo.
vii	380	<i>Rogersii</i> <i>St.</i>	Kikaisima.
vii	380	<i>areolata</i> <i>St.</i>	Boninsima.
vii	380	<i>nigra</i> <i>St.</i>	Loo Choo, Kikaisima.
vii	380	<i>latens</i> <i>St.</i>	Loo Choo.
vii	380	<b>Onchis fruticosa</b> <i>St.</i>	Kikaisima.

July, 1855.

(Continued.)

vii	387	<b>Cynthia angularis</b> <i>St.</i>	C. of Good Hope, Simon's Bay.
vii	387	<i>lævissima</i> <i>St.</i>	Port Jackson, Aus.
vii	387	<i>sabulosa</i> <i>St.</i>	Port Jackson, Aus.
vii	387	<i>dumosa</i> <i>St.</i>	Port Jackson, Aus.
vii	387	<b>Molgula inconspicua</b> <i>St.</i>	Port Jackson, Aus.
vii	387	<b>Ascidia sydneyensis</b> <i>St.</i>	Port Jackson, Aus.
vii	388	<i>succida</i> <i>St.</i>	Port Jackson, Aus.
vii	388	<b>Eolis cacaotica</b> <i>St.</i>	Port Jackson, Aus.
vii	388	<b>Tritonia pallida</b> <i>St.</i>	False Bay, C. of G. H.
vii	388	<b>Triopa lucida</b> <i>St.</i>	Simon's Bay, C. of G. H.
vii	388	<b>Goniodoris obscura</b> <i>St.</i>	Port Jackson, Aus.
vii	389	<b>Doris obtusa</b> <i>St.</i>	Port Jackson, Aus.
vii	389	<i>excavata</i> <i>St.</i>	Port Jackson, Aus.

[Proceedings Academy of Natural Sc.]

April, 1856.

Vol.	Pa.		
viii	79	<b>Lea.</b> —Description of a new sub-genus of Naiades : by ISAAC LEA.	
viii	79	<b>Plagiodon</b> <i>Lea</i> (n. s. g.)	
viii	79	<b>isocardioides</b> <i>Lea.</i>	Rio Plata.
viii	79	<b>Lea.</b> —Description of a new species of <i>Triquetra Klein</i> ( <i>Hyria Lam.</i> ) : by ISAAC LEA.	
viii	79	<b>Triquetra lanceolata</b> <i>Lea.</i>	China ?
viii	92	<b>Lea.</b> —Description of twenty-five new species of Exotic Uniones : by ISAAC LEA.	
viii	92	<b>Unio Hainesianus</b> <i>Lea.</i>	Siam.
viii	92	<b>Myersianus</b> <i>Lea.</i>	Siam.
viii	92	<b>Housei</b> <i>Lea.</i>	Siam.
viii	93	<b>gravidus</b> <i>Lea.</i>	Siam.
viii	93	<b>inornatus</b> <i>Lea.</i>	Siam.
viii	93	<b>lutens</b> <i>Lea.</i>	Newville, Burmah.
viii	93	<b>eximius</b> <i>Lea.</i>	Siam.
viii	93	<b>tumidulus</b> <i>Lea.</i>	Siam.
viii	93	<b>rusticus</b> <i>Lea.</i>	Siam.
viii	93	<b>sagittarius</b> <i>Lea.</i>	Siam.
viii	93	<b>substriatus</b> <i>Lea.</i>	Siam.
viii	93	<b>scobinatus</b> <i>Lea.</i>	Siam.
viii	93	<b>humilis</b> <i>Lea.</i>	Siam.
viii	94	<b>phaselus</b> <i>Lea.</i>	Siam.
viii	94	<b>Verreauianus</b> <i>Lea.</i>	Cape of Good Hope.
viii	94	<b>Africanus</b> <i>Lea.</i>	Cape of Good Hope.
viii	94	<b>Shurtleffianus</b> <i>Lea.</i>	Sina river, &c., India.
viii	94	<b>exfulgens</b> <i>Lea.</i>	Brazil.
viii	94	<b>Dunkerianus</b> <i>Lea.</i>	Brazil, &c.
viii	94	<b>Shuttleworthii</b> <i>Lea.</i>	Australia.
viii	94	<b>nucleus</b> <i>Lea.</i>	Siam.
viii	94	<b>Wheatleyanus</b> <i>Lea.</i>	Rio Plata, Rio Negro.
viii	95	<b>Brownii</b> <i>Lea.</i>	Mocha ?
viii	95	<b>suavidicus</b> <i>Lea.</i>	River Amazon.

May, 1856.

viii	103	<b>Lea.</b> —Description of four new species of Exotic Uniones : by ISAAC LEA.	
viii	103	<b>Unio Nuttallianus</b> <i>Lea.</i>	India.
viii	103	<b>Cambodiensis</b> <i>Lea.</i>	Takrong riv., at Korat, Cambodia.
viii	105	<b>Newcombianus</b> <i>Lea.</i>	Lake Nicaragua.

## [Proceedings Academy of Natural Sc.]

June, 1856.

Vol. Pa.

viii 109

**Lea.**—Description of thirteen new species of Exotic Peristomata: by ISAAC LEA.

viii 109

**Paludina Hainesiana** *Lea.* Siam.

viii 109

**umbilicata** *Lea.* Takrong river, Siam.

viii 110

**chinensis** *Lea.* China.

viii 110

**Swainsoniana** *Lea.* Siam.

viii 110

**Ingallsiana** *Lea.* Siam.

viii 110

**Bitthinia Siamensis** *Lea.* Takrong river, Siam.

viii 110

**globula** *Lea.* India.

viii 110

**Paludomus maculata** *Lea.* Ahmednugger, India.

viii 110

**Ampullaria aurostoma** *Lea.* Carthagena.

viii 110

**tubæformis** *Lea.*

viii 110

**gracilis** *Lea.* Siam.

viii 110

**turbinis** *Lea.* Siam.

viii 111

**Assimineæ carinata** *Lea.* Siam.

Aug. 1856.

viii 144

**Lea.**—Description of fifteen new species of Exotic Melaniana: by ISAAC LEA.

viii 144

**Melania Verrauiana** *Lea.* Sandwich Islands.

viii 144

**fraterna** *Lea.*

viii 144

**Hainesiana** *Lea.* India. [Siam.]

viii 144

**Housei** *Lea.* Korat, Takrong river,

viii 144

**Ningpoensis** *Lea.* Ningpo, China.

viii 145

**Myersiana** *Lea.* Feejee Islands.

viii 145

**bullata** *Lea.* Brazil.

viii 145

**lyræformis** *Lea.* Manilla.

viii 145

**affinis** *Lea.* Manilla.

viii 145

**australis** *Lea.* Manilla.

viii 145

**Newcombii** *Lea.* Oahu.

viii 145

**Mauiensis** *Lea.* Maui.

viii 145

**Boninensis** *Lea.* Bonin Island.

viii 145

**Pachychilus parvum** *Lea.* Siam.

Dec. 1856.

viii 300

**Isaac Lea.**—Notes on—

viii 300

**Triquetra contorta** *Lea.* Shanghai.

*T. lanceolata* *Lea.*

New Series, March, 1857.

Page.

85 **Lea.**—Descriptions, &c., vide p. 387.

85 **Anodonta Holtonis** *Lea.*

Papayan, South America.



[Proceedings Academy of Natural Sc.]

May, 1858.

Page.

- 118 **Lea.**—Description of four new Fresh Water Mollusca from the Isthmus of Darien and Honduras : by ISAAC LEA.
- 118 **Unio Caldwellii** *Lea.* Isthmus of Darien.
- 118 **Goascoranensis** *Lea.* Riv. Goascoran, Honduras.
- 118 **Anodonta luteola** *Lea.* Isthmus of Darien.
- 118 **Melania planensis** *Lea.* Plan, &c., Honduras.

May, 1859.

- 151 **Lea.**—Descriptions of twenty-one new species of Exotic Unionidæ : by ISAAC LEA.

- 151 **Unio Sikkimensis** *Lea.* Sikkim, India.
- 151 **diminutis** *Lea.* East Africa.
- 152 **plicatulus** *Lea.* Borneo.
- 152 **navigioliformis** *Lea.*
- 152 **fluctiger** *Lea.*
- 152 **mutabilis** *Lea.* Australia, &c.
- 152 **Thwaitsii** *Lea.* Ceylon.
- 152 **melleus** *Lea.*
- 152 **Dysoni** *Lea.* Honduras.
- 152 **Demararaensis** *Lea.* Demarara.
- 152 **Mauritianus** *Lea.* Mauritius.
- 153 **vittatus** *Lea.* Australia.
- 153 **Shanghaiensis** *Lea.* Shanghai.
- 153 **Layardii** *Lea.* Ceylon.
- 153 **Japanensis** *Lea.* Japan.
- 153 **Sumatrensis** *Lea.* Sumatra.
- 153 **Rowellii** *Lea.* Chagres riv., N. Granada.
- 153 **Wilsoni** *Lea.* Isaac's Plain, N. S. W.
- 154 **Anodonta Dahomeyensis** *Lea.* Dahomey.
- 154 **Senegalensis** *Lea.* Senegal.

July, 1859.

- 187 **Lea.**—Descriptions of four new species of Exotic Unionidæ : by ISAAC LEA.

- 187 **Unio bulloides** *Lea.* R. de la Plata.
- 187 **Monochondylæa planulata** *Lea.* Java.
- 187 **rhomboidea** *Lea.* Euphrates, near Bagdad.
- 187 **Unio rudus** *Lea.* R. de la Plata.

Oct. 1859.

- 281 **Lea.**—Description of a new species of *Unio* from the Isthmus of Darien : by ISAAC LEA.
- 281 **Unio Averyi** *Lea.* Isthmus of Darien.

[Proceedings Academy of Natural Sc.]

Dec. 1859.

Page.

- 331 **Lea.**—Descriptions of three new species of Exotic Uniones: by  
ISAAC LEA.
- 331 **Unio Wynegungaensis** *Lea.* Bengal, &c.
- 331 **consobrinus** *Lea.* China.
- 331 **Nangpoorensis** *Lea.* Nangpoor, &c.

**Lesueur, Conrad, &c.**—Journal of the Academy of  
Natural Sciences of Philadelphia.<sup>1</sup>

Vol. i, pt. 1, No. 1. May, 1817.

Pa. Pl. Fig.

- 3 **Lesueur.**—Description of six new species of the genus  
*Firola*, observed by Messrs. Lesueur and Peron in the  
Mediterranean Sea, in the months of March and April,  
1809: by C. A. LESUEUR. (Vide also, Bull. Sc. Soc.  
Philom. 1817, pp. 157–160; and Isis, 1818, p. 155.)

- 3 Genus *Firola*.
- 6 i 1 ***Firola mutica*** *Les.*
- 6 i 2 ***gibbosa*** *Les.*
- 7 i 3 ***Forskalia*** *Les.*
- 7 i 4 ***Cuviera*** *Per. & Les.*
- 7 i 5 ***Frederica*** *Les.*
- 7 i 6 ***Peronia*** *Les.*

Vol. 1, pt. 1, No. 3. July, 1817.

- 37 **Lesueur.**—Characters of a new genus, and descriptions  
of three new species upon which it is formed: discovered  
in the Atlantic Ocean, in the months of March and April,  
1816. Lat. 20° 9': by C. A. LESUEUR.
- 38 ***Firaloida*** *Les.* (n. g.)
- 39 ii 1<sup>b</sup> ***Desmarestia*** *Les.* Near Martinique.
- 39 ii 2<sup>a</sup> ***Blainvilliana*** *Les.* Near Martinique.
- 40 ii 3 ***aculeata*** *Les.*
- 40 ii 4, 10 Anatomy of ***Firola***.

Vol. ii, pt. 1. 1821.

**Lesueur.**—(See p. 6.)

[The following foreign species are also given.—W. G. B.] :—

- 89 ***Leachia*** (n. g.)
- 90 vi ***Leachia cyclura*** *Les.* Pacific Ocean.

<sup>1</sup> The date of actual publication of each page is given on p. 58, vol. i, of Proc. A. N. S.

[Journal of the Academy.]

Pa.	Pl.	Fig.		
90	vii		<b>Loligo Bartrami</b> Les.	
95	?		<b>Bartlingii</b> Les.	Gulf Stream.
100			<b>Sepiola cardioptera</b> Peron.	Lat. 31° S., long. 48° E.
100			<b>Sepia sepiola</b> Peron.	Endrach, N. Holland.
101			<i>octopa</i> Peron = <b>Peronii</b> Les.	Dorre, Shark Bay.
101			<i>rugosa</i> Peron non Bosc. = <b>Sepia Boscii</b> Les.	
101			<b>varietas</b> Peron.	Dorre Island.

Vol. ii, pt. 2. 1822.

296			<b>Lesueur.</b> —On the <i>Onykia angulata</i> : by C. A. LESUEUR.	
298	?	1, 2	<b>Onykia angulata</b> Les.	Lat. 36° 40' S., long. [29° E.
			(See also p. 100 of same vol.)	

Vol. iii, pt. 1. 1823.

2			<b>Lesueur.</b> —Descriptions of several new species of Ascidia: by C. A. LESUEUR. (See also Philosp. Mag., vol. 63, 1824, p. 321; and Isis, 1834, p. 160.)	
---	--	--	---	--

2	i	2	<b>Ascidia atra</b> Les.	St. Vincent's, &c.
2	i	1	<b>cavernosa</b> Les.	St. Bartholomew.
3	ii	1	<b>albeola</b> Les.	Guadaloupe.
4	ii	2, 3, 4	<b>multiformis</b> Les.	Guadaloupe.
4	ii	5	<b>variabilis</b> Les.	St. Thomas.
5	i	3	<b>claviformis</b> Les.	St. Vincent's.
5	iii	b	<b>plicata</b> Les.	Ship Bottom.
6	iii	a	<b>ovalis</b> Les.	Ship Bottom.
7			<b>lobifera</b> Les.	

[Here follows a list, without descriptions of species, observed by Peron and Lesueur in their voyage to Terra Australis.—W. G. B.]

8			<b>marginella.</b>	New Holland, &c.
8			<b>vermiculata.</b>	New Holland.
8			<b>anatifoidea.</b>	Isle of France.
8			<b>confederata.</b>	New Holland.
8			<b>trinema.</b>	Leuwin's Land.
8			<b>fragum.</b>	Elephant Bay, &c.
8			<b>truncata.</b>	Bass' Straits.
8			<b>rapuliformis.</b>	Endracht's Land.
8			<b>gigantea.</b>	Bourgainville Bay.
8			<b>lithopoda.</b>	Déeres Island.
8			<b>rhizophora.</b>	Endracht's Land.
8			<b>rosea.</b>	Bourgainville Bay.
8			<b>alba.</b>	Bourgainville Bay.
8			<b>barbata.</b>	Nice, Europe.
8			<b>pilosa.</b>	Isle of France.

## [Journal of the Academy.]

Pa.	Pl.	Fig.		
8			<b>Ascidia fasciata.</b>	Isle of France.
8			<b>radiata.</b>	Havre, Europe.
8			<b>diaphana.</b>	King's Island.
8			<b>phyllostoma.</b>	King's Island, &c.
8			<b>tetradon.</b>	Josephine's Island, &c.
8			<b>peniformis.</b>	Nuyt's Land.
8			<b>australis.</b>	Maria's Island.
8			<b>lithoidea.</b>	Leuwin's Land.
8			<b>nigrita.</b>	Edel's Land.
8			<b>rhizophora.</b>	Napoleon's Land.
8			<b>anthrocephala.</b>	St. Francis' Land, &c.
8			<b>nasuta.</b>	N.W. Coast of N. Hol'd.
8			<b>democratica.</b>	St. Francis' Land, &c.
8			<b>verrucosa.</b>	King's Island.
8			<b>polystoma.</b>	King's Island.

Vol. vi, pt. 2. March, 1831.

256			<b>Conrad.</b> —(Vide p. 337.)	
262	xi	21	<b>Nucula recurva</b> <i>Conr.</i>	West Indies.
262	xi	9, 10	<b>Lucina sphaeroides</b> <i>Conr.</i> <i>Tellina divaricata</i> Ch.	Liberia.

Vol. vii, pt. 1. 1834.

178			<b>Conrad.</b> —Description of a new genus of Fresh Water Shells: by T. A. CONRAD.	
180	xiii		<b>Pleiodon Macmurtrei</b> <i>Conr.</i>	Liberia.
182			<b>Conrad.</b> —Description of a new species of Hinnita: by T. A. CONRAD.	
182	xiv		<b>Hinnita Poulsoni</b> <i>Conr.</i>	

Vol. vii, pt. 2. 1837.

227			<b>Conrad.</b> —(Vide p. 419.)	
-----	--	--	--------------------------------	--

**Conrad.**—Notes on Shells, with descriptions of new genera and species: by T. A. CONRAD. (From Journ. Ac. Nat. Sc. Phila., n. s., vol. i, No. 3, p. 210. Aug. 1849.) (Vide also, p. 404.)

[The foreign species only are here given.—W. G. B.]

Page.				
210	<b>Cassis cornuta</b> <i>Linn.</i>			East Indies.
	<i>Buccinum brevirostrum</i> Petiver.			
	<i>Cassis Amboinensis</i> Petiver.			

Page.		
210	<b>Cassis labiata</b> Chemn.	Indies.
211	<b>tuberosa</b> Linn.	
	<i>Cochlea cassidiformis</i> Gualt.	
	<i>Cassis flammea</i> .	
211	<b>Triton tuberosus.</b>	
211	<b>pyriformis.</b>	
212	<b>variegatus</b> Lam.	East Indies.
	<i>Buccinum tritonis</i> Petiver.	
	<i>Murex tritonis</i> Linn.	
212	<b>nobilis</b> Conr.	West Indies.
	<i>T. variegatus</i> Rve.	
212	<b>variegatus.</b>	West Indies.
213	<b>Nautilus perforatus</b> Conr.	
214	<b>Pecten fragosus</b> Conr. (pl. xxxix, f. 11).	West Indies.

**Garratt.**—(Descriptions of Hawaiian Shells.) In Proc. California Acad. Nat. Sciences, San Francisco. Vol. i, part 2. March, 1857, p. 102.

Page.		Page.	
102	<b>Murex exigua</b> Garr.	103	<b>Rissoa multicosata</b> Garr.
102	<b>Purpura striatella</b> Garr.	103	<b>Adeorbis costata</b> Garr.
102	<b>Turbo multilineata</b> Garr.	103	<b>Hipponix (Amalthea) minor</b> Garr.
102	<b>Trochus striatula (Margarita)</b> Garr.	103	<b>Bulla scripta</b> Garr.
102	<b>Pleurotoma (Mangelia) reticulata</b> Garr.	103	<b>Succinea Newcombiana</b> Garr.
102	<b>Rissoa crassilabrum</b> Garr.		

**Barnes, Redfield, Adams, &c.**—Annals of the Lyceum of Natural History of New York.

Vol. i, pt. 1. 1824.

Pa.	Pl.	Fig.	
131			<b>Barnes.</b> —Notice of several species of Shells: by D. H. BARNES.

[A criticism by Ferussac on this paper in which the descriptions are repeated will be found in the Bulletin des Sciences Naturelles et de Géologie, 2ème section du Bulletin Universel des Sciences, &c. &c. Tome v, p. 282. Paris, 1825.—W. G. B.]

132	ix	1	<b>Cypræa maculata</b> Barnes.	East Indies.
			<i>C. Arabica</i> Burrow.	

## [Annals of New York Lyceum.]

Pa.	Pl.	Fig.		
133	ix	2	<b>Cypræa eburnea</b> Barnes.	China
135	ix	3	<b>Dolium dentatum</b> Barnes.	Peru.
136			<b>Natica patula</b> Sowb.	Peru.
			<i>N. helicoides</i> Barnes, MS.	
139	ix	4	<b>Voluta harpa</b> Barnes.	Peru.

Vol. i, pt. 2. 1825.

383			(Continuation.)	
384			<i>Dolium dentatum</i> Barnes = <b>D. ringens</b> ?	
385			<b>Natica helicoides</b> (vid. also Ann. vol. ii. 292).	
385			<b>Cypræa maculata</b> .	

[Plate ix contains also figures of two species not mentioned in the text. They are probably *Cerithium* — ?—W. G. B.]

Vol. iv, pt. 5. 1846.

163			<b>Redfield.</b> —Descriptions of some new species of Shells: by JOHN H. REDFIELD. (See also, p. 164 of Bibl.)	
163	x	4 <sup>a, b</sup>	<b>Marginella flavida</b> Redf.	Cuba, &c.
164	x	5 <sup>a, b</sup>	<b>obesa</b> Redf.	Carthagena, S. Amer.
166	x	6 <sup>a, b</sup>	<b>Ranella Thersites</b> Redf.	Pacific?
168	xi	1 <sup>a, b, c</sup>	<b>Cardium setosum</b> Redf.	China.
169			<b>Jay.</b> —Descriptions of new species of Shells: by JOHN C. JAY, M. D.	
169	x	7 <sup>a, b</sup>	<b>Bulimus infundibuliformis</b> Jay.	Bolivia.
169	x	8 <sup>a, b</sup>	<b>Conus Cailliaudii</b> Jay.	
170			Notes on—	
170			<i>Bulimus cinctus</i> Jay = <b>B. Favonii</b> Lam. Madagascar.	
170			<i>Turbo rotelliformis</i> Jay = <b>Trochiscus Norrisii</b> Sowb.	
170			<i>Ampullaria Brownii</i> Jay = <b>A. crassa</b> Swains.	
170			<i>Storeria</i> Jay = <b>A. naticoides</b> D'Orb.	
170			<i>Helix planorbis</i> Jay = <b>H. monilis</b> Br.	
170			<b>Physa scalaris</b> Jay.	
170			<b>Lymnea gracilis</b> Jay.	
170			<i>Bulimus ustulatus</i> Jay = <b>B. chrysalidiformis</b> Sowb.	
170			<i>Paludina tristis</i> Jay = <b>P. olivacea</b> Sowb.	
170			<i>Conus rhododendron</i> Couth. = <b>C. Adamsoni</b> Gr.	
170			<i>Cyclostoma Cumingii</i> Sowb. = <b>C. gigantea</b> Sowb.	
170			<i>Voluta armata</i> ? Lam. = <b>V. Miltoni</b> Gr.	

[Annals of New York Lyceum.]

Vol. iv. 1847.

Pa. Pl. Fig.

- 477 **Redfield.**—On the distinctive characters of *Cypræa reticulata* of Martyn, and *Cypræa histrio* of Meuschen: by JOHN H. REDFIELD.
- 482 xvi 1 **Cypræa reticulata** *Mart.* Pacific Ocean.  
*C. arlequina* (var.) Chemn.  
*histrio* (pars) Gmel.  
*arabica* (var.) *histrio* Gr.  
*maculata* Barnes, &c. &c.
- 484 xvi 2 **histrio** *Meuschen.* Indian Ocean?  
*C. arlequina* Ch.  
*arabica* (var.) *histrio* (pars) Gray.
- 491 **Redfield.**—Descriptions of new species of *Bullia* and *Marginella*, with notes upon G. B. Sowerby, Jr.'s monograph of the latter genus: by JOHN H. REDFIELD.
- 491 xxii 1 **Bullia plicata** *Redf.?*
- 492 xxii 2 **Marginella chrysomelina** *Red.* West Indies?
- 492 xxii 3 **Philippinarum** *Redf.* Philippine Islands.  
*M. avena* Sowb. non Kien.
- 493 **cœrulescens** *Lam.*
- 493 **Storeria** *Couth.*
- 493 **unicolor** *List.*
- 493 **curta** *Sowb.*
- 493 **elegans** *Gmel.*
- 493 **undulata** *Ch.*
- 493 **conoidalis** *Kien.*
- 493 **apicina** *Mke.*
- 493 **flavida** *Redf.*
- 493 **triticea** *Lam.*
- 493 **guttata** *Swains.*
- 493 **longivaricosa** *Lam.*
- 493 **maculosa** *Kien.*
- 493 **obesa** *Redf.*  
*M. similis* Sowb.
- 493 **pyrulata** *Redf.*  
*M. obesa* Sowb.
- 495 **persicula** *Linn.*
- 495 **carnea** *Stover.*
- 495 **guttata** *Dillw.*
- 495 **avellana** *Lam.*
- 495 **lineata** *Lam.*
- 495 **cingulata** *Dillw.*

[Annals of New York Lyceum and Contributions to Conchology.]

Vol. v, title page. 1852.

N. Y. ANN. CONTR.  
Page. No. Page.

- 41 8 125 **Adams.**—Descriptions of new species of *Partula* and *Achatinella*: by Prof. C. B. ADAMS.

[As this and the following papers were also issued as portions of "Contributions to Conchology," I refer to that work as well as to the New York Annals.—W. G. B.]

- 41 8 125 **Partula diminuta** *Ad.*  
41 8 125 **Achatinella magna** *Ad.*  
42 8 126 **Tappaniana** *Ad.* Sandwich Islands.  
42 8 126 **Dimondi** *Ad.* Sandwich Islands.  
43 8 127 var. ? **lata** *Ad.* Sandwich Islands.  
43 8 127 **decepta** *Ad.*  
44 8 128 **modesta** *Ad.* Sandwich Islands.  
44 8 128 **Reevei** *Ad.*  
*A. viridans* Rve. not Mighels.
- 45 8 129 **Adams.**—Descriptions of new species and varieties of Shells which inhabit Jamaica: by Prof. C. B. ADAMS. (From same, p. 45.)
- 45 8 129 **Cyclostoma pulchrius** *Ad.* = *C. Binneyanum* Pfr.  
45 8 129 **Cylindrella nobilior** (Pupa) *Ad.* = *C. Binneyana* Pfr.  
45 8 129 **Helix arboreoides** *Ad.* = **H. Haldemaniana** Pfr.  
46 8 130 **Marginella gracilis** *Ad.*  
46 8 130 **Buccinum pulchellum** *Ad.*  
47 8 131 **Pleurotoma albella** *Ad.*  
47 8 131 **Valvata inconspicua** *Ad.*  
47 8 131 **Planorbis humilis** *Ad.*  
48 8 132 **dentiferus** *Ad.*  
48 8 132 var. **edentatus** *Ad.*  
48 8 132 **Ancylus obliquus** *Ad.*  
48 8 132 **Truncatella modesta** *Ad.*  
49 8 133 **Helicina nobilis** *Ad.*  
49 8 133 **hirsuta** *Ad.*  
50 8 134 **palliata** *Ad.*  
50 8 134 **maxima** *Ad.*  
50 8 134 **ampliata** *Ad.*  
50 8 134 **consanguinea** *Ad.*  
51 8 135 **microstoma** *Ad.*  
52 8 136 **depressa** *Ad.*  
52 8 136 **Trochatella Josephinæ** *Ad.*  
52 8 136 **Tankervillei** *Ad.*



[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page.	No.	Page.	
53	8	137	<b>Cyclostoma sagittiferum</b> <i>Ad.</i>
54	8	138	<i>lamellosum</i> <i>Ad.</i>
54	8	138	<i>simulans</i> <i>Ad.</i>
55	8	139	<i>tenuistriatum</i> <i>Ad.</i>
55	8	139	<i>modestum</i> <i>Ad.</i>
55	8	139	<i>fimbriatulum</i> <i>Ad.</i>
56	8	140	<i>lincina</i> <i>Ad.</i>
56	8	140	<i>nodulosum</i> <i>Ad.</i>
56	8	140	<i>granosum</i> <i>Ad.</i>
56	8	140	<b>Adams.</b> —Analysis of the group of species of <i>Cyclostoma</i> , which is represented by <i>C. Jamaicense</i> <i>Chem.</i> (From same.)
59	8	143	<b>Cyclostoma corrugatum?</b> <i>Sowb.</i>
59	8	143	<i>jugosum</i> <i>Ad.</i>
59	8	143	<i>pallescens</i> <i>Ad.</i>
59	8	143	<i>varians</i> <i>Ad.</i>
59	8	143	<i>seminudum</i> <i>Ad.</i>
59	8	143	<i>Jamaicense</i> <i>Chemn.</i>
59	8	143	<i>crassum</i> <i>Ad.</i>
64	8	148	<b>Stoastoma</b> <i>Ad.</i>
64	8	148	<b>Cyclostoma succineum</b> <i>Sowb.</i>
64	8	148	<b>Stoastoma Vilkinsoniæ</b> <i>Ad.</i>
65	8	149	<i>Tappanianum</i> <i>Ad.</i>
65	8	149	<i>Hollandianum</i> <i>Ad.</i>
66	8	150	<i>Moricandianum</i> <i>Ad.</i>
67	8	151	<i>Petitianum</i> <i>Ad.</i>
67	8	151	<i>Anthonianum</i> <i>Ad.</i>
77	9	153	<b>Adams.</b> —Descriptions of new species and varieties of the Land Shells of Jamaica, with notes on some previously described species: by Prof. C. B. ADAMS. (From same.)
77	9	153	<b>Cyclostoma Hillianum</b> (var.) <i>leporilabre</i> <i>Ad.</i>
77	9	153	<i>Cyclostoma spinulosum</i> <i>Ad.</i> = <i>C. lincinellum</i> <i>Lam.</i>
77	9	153	<b>Cyclostoma Moussonianum</b> <i>Ad.</i>
78	9	154	<i>Cyclostoma amandum</i> <i>Ad.</i> = <i>C. scabriculum</i> <i>Sowb.</i>
78	9	154	<i>Cyclostoma virgineum</i> <i>Ad.</i> = <i>C. pisum</i> <i>Ad.</i>
78	9	154	<i>Cyclostoma concentricum</i> <i>Ad.</i> = <i>C. variabile</i> <i>Ad.</i>
78	9	154	<i>Cyclostoma mutatum</i> <i>Ad.</i> = <i>C. articulatum</i> <i>Sowb.</i>
78	9	154	<b>Cyclostoma filosum</b> <i>Sowb.</i> = <i>C. articulatum</i> <i>Gray.</i>
78	9	154	<i>Campbellii</i> <i>Ad.</i>

[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page.	No.	Page.	
79	9	155	<b>Cyclostoma xanthostoma</b> <i>Ad.</i>
79	9	155	<i>ignilabre Ad.</i>
79	9	155	<i>Cyclostoma proximum</i> <i>Ad.</i> = <b>C. fascia</b> <i>Gray.</i>
79	9	155	<b>Cyclostoma nitens</b> <i>Ad.</i>
79	9	155	<i>Augustæ Ad.</i>
79	9	155	<i>Jayanum Ad.</i>
79	9	155	<i>Augustæ Ad.</i>
79	9	155	<i>Chevalieri Ad.</i>
80	9	156	<i>album (var.) fuscum Ad.</i>
80	9	156	<i>Yallahense Ad.</i>
80	9	156	<i>sericinum Ad.</i>
81	9	157	<i>Tappanianum Ad.</i>
81	9	157	<i>papyraceum Ad.</i>
81	9	157	<i>perpallidum Ad.</i>
81	9	157	<i>dubiosum Ad.</i>
82	9	158	<b>Stoastoma Philippianum</b> <i>Ad.</i>
82	9	158	<i>Agassizianum Ad.</i>
83	9	159	<b>Trochatella pulchella</b> <i>Ad.</i>
83	9	159	<b>Helicina neritella</b> <i>Ad.</i>
83	9	159	<b>Geomelania Hilliana</b> <i>Ad.</i>
83	9	159	<i>pyramidata Ad.</i>
84	9	160	<i>costulosa Ad.</i>
84	9	160	<i>exilis Ad.</i>
84	9	160	<i>Hilliana Ad.</i>
84	9	160	<i>striosa Ad.</i>
84	9	160	<i>conica Ad.</i>
84	9	160	<b>Cylindrella Agnesiana</b> (var.) <i>diminuta Ad.</i>
84	9	160	<i>Robertsi Ad.</i>
85	9	161	<i>rosea Ad.</i>
85	9	161	var. <i>fortis Ad.</i>
85	9	161	<i>major Ad.</i>
85	9	161	<i>zonata Ad.</i>
85	9	161	<i>lata Ad.</i>
85	9	161	<b>Maugeri</b> <i>Ad.</i>
86	9	162	var. <i>nigrescens Ad.</i>
86	9	162	<i>solida Ad.</i>
86	9	162	<i>levis Ad.</i>
87	9	163	<i>tricolor Ad.</i>
87	9	163	<i>crassa Ad.</i>
87	9	163	<i>unicincta Ad.</i>
88	9	164	<i>bicincta Ad.</i>
88	9	164	<i>concinna Ad.</i>
88	9	164	<i>sinuata Ad.</i>

[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page.	No.	Page.	
88	9	164	<b>Cylindrella Maugeri (var.) rufilabris Ad.</b>
88	9	164	<i>citrina Ad.</i>
88	9	164	<i>fusiformis Ad.</i>
89	9	165	<i>albida Ad.</i>
89	9	165	<i>valida Ad.</i>
89	9	165	<i>unicolor Ad.</i>
89	9	165	<i>striatula Ad.</i>
89	9	165	<i>striata Ad.</i>
89	9	165	<i>corpulenta Ad.</i>
89	9	165	<i>fusca Ad.</i>
90	9	166	<i>conica Ad.</i>
90	9	166	<i>tesselata Ad.</i>
90	9	166	<i>cinerea Ad.</i>
90	9	166	<i>gracilis Ad.</i>
90	9	166	<i>integra Ad.</i>
91	9	167	<i>princeps Ad.</i>
91	9	167	<i>elatior Ad.</i>
91	9	167	<i>Achatina striosa Ad.</i> = <b>Bulimus octonoides Ad.</b>
91	9	167	<b>Achatina proxima Ad.</b>
92	9	168	<i>solitaria Ad.</i>
92	9	168	<b>Spiraxis brevis Ad.</b>
92	9	168	<i>aberrans Ad.</i>
92	9	168	<i>Bulimus mirabilis Ad.</i> and <i>anomalus</i> = <b>Spiraxis.</b>
92	9	168	<b>Bulimus hortensis Ad.</b>
93	9	169	<i>macrospira Ad.</i>
93	9	169	<b>Helix Chittyana Ad.</b>
93	9	169	<i>cara Ad.</i>
93	9	169	<i>amabilis Ad.</i>
93	9	169	<i>Swainsoniana Ad.</i>
94	9	170	<i>ingens Ad.</i>
94	9	170	<i>consanguinea Ad.</i>
95	9	171	<i>anomala Ad.</i>
95	9	171	<i>Bainbridgei Ad.</i>
95	9	171	<i>Buddiana Ad.</i>
96	9	172	<i>Blandiana Ad.</i>
96	9	172	<i>pulchrior Ad.</i>
96	9	172	<i>Jacobensis Ad.</i>
97	9	173	<i>spreti Ad.</i>
97	9	173	var. <i>errans Ad.</i>
97	9	173	<i>epistylium Ad.</i>
98	9	174	<i>delaminata Ad.</i>
98	9	174	<i>osculans.</i>
98	9	174	<b>Proserpina nitida Ad.</b>

[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page.	No.	Page.	
98	9	174	<b>Adams.</b> —Descriptions of new Fresh Water Shells which inhabit Jamaica: by Prof. C. B. ADAMS. (From same.)
98	9	174	<b>Physa Jamaicensis</b> <i>Ad.</i>
99	9	175	<b>Neritina Jamaicensis</b> <i>Ad.</i>
99	9	175	<b>tenebricosa</b> <i>Ad.</i>
100	9	176	<b>Adams and Chitty.</b> —Remarks on the habitats of certain species of Land Shells: by Prof. C. B. ADAMS and EDWARD CHITTY. (From same.)
100	9	176	<b>Cyclostoma labeo</b> <i>Ad.</i>
100	9	176	<b>asperulum</b> <i>Sowb.</i>
100	9	176	<b>corrugatum</b> <i>Ad.</i>
100	9	176	<b>Trochatella Greyana</b> <i>Pfr.</i>
100	9	176	<b>Helicina Gossei</b> <i>Pfr.</i>
100	9	176	<b>picta</b> <i>Fer.</i>
100	9	176	<b>Cylindrella alabastrina</b> <i>Pfr.</i>
100	9	176	<b>Humboldtiana</b> <i>Pfr.</i>
100	9	176	<b>variegata</b> <i>Pfr.</i>
100	9	176	<b>Bulimus rufescens</b> <i>Gray.</i>
100	9	176	<b>Helix Martiniana</b> <i>Pfr.</i>
100	9	176	<b>Okeniana</b> <i>Pfr.</i>
101	9	177	<b>angustata</b> <i>Fer.</i>
101	9	177	<b>Cyclostoma lincinellum</b> <i>Lam.</i>
101	9	177	<b>spinulosum</b> <i>Ad.</i>
101	9	177	<b>Banksianum</b> <i>Sowb.</i>
101	9	177	<b>hyacinthinum</b> <i>Ad.</i>
101	9	177	<b>mirabile</b> <i>Wood.</i>
101	9	177	<b>decussatulum</b> <i>Ad.</i>
101	9	177	<b>Cylindrella brevis</b> <i>Pfr.</i>
101	9	177	<b>Achatina leucozonias</b> <i>Ad.</i>
101	9	177	<b>Dominicensis</b> <i>Ad.</i>
101	9	177	<b>venusta</b> <i>Ad.</i>
101	9	177	<b>unicolor</b> <i>Pfr.</i>
101	9	177	<b>Cyclostoma Newcombianum</b> <i>Ad.</i>
101	9	177	<b>aurora</b> <i>Ad.</i>
101	9	177	<b>Tappanianum</b> <i>Ad.</i> (Errata to No. 8.)
102	9	178	<b>asperulum</b> <i>Ad.</i>

[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page.	No.	Page.	
103	9	179	<b>Adams.</b> —Catalogue of the Land Shells which inhabit Jamaica: by Prof. C. B. ADAMS. (From same.)
103	9	179	<b>Cyclostoma anomalum</b> <i>Ad.</i>
103	9	179	<i>pulchrum</i> <i>Wood.</i>
103	9	179	<i>fimbriatulum</i> <i>Sowb.</i>
103	9	179	var. <i>docens</i> <i>Ad.</i>
103	9	179	<i>albinodatum</i> <i>Ad.</i>
103	9	179	<b>Chittyi</b> <i>Ad.</i>
103	9	179	<i>amabile</i> <i>Ad.</i>
103	9	179	<b>Hillianum</b> <i>Ad.</i>
103	9	179	var. <i>aculeosum</i> <i>Ad.</i>
103	9	179	<i>leporilabre</i> <i>Ad.</i>
103	9	179	<i>lincinellum</i> <i>Lam.</i>
			<i>C. spinulosum?</i> <i>Ad.</i>
103	9	179	<b>Moussonianum</b> <i>Ad.</i>
103	9	179	<i>scabriculum</i> <i>Sowb.</i>
			<i>C. amandum</i> <i>Ad.</i>
103	9	179	<i>lincinum</i> <i>Linn.</i>
103	9	179	<i>lima</i> <i>Ad.</i>
103	9	179	<b>Blandianum</b> <i>Ad.</i>
103	9	179	<i>retrorsum</i> <i>Ad.</i>
103	9	179	<i>pisum</i> <i>Ad.</i>
			<i>C. virgineum</i> <i>Ad.</i>
103	9	179	<i>variabile</i> <i>Ad.</i>
103	9	179	var. <i>concentricum</i> <i>Ad.</i>
103	9	179	<i>intermedium</i> <i>Ad.</i>
103	9	179	<b>Grayanum</b> <i>Ad.</i>
			<i>C. obscurum</i> <i>Gray.</i>
103	9	179	<i>serriferum</i> <i>Ad.</i>
103	9	179	<i>granosum</i> <i>Ad.</i>
			<i>C. nodulosum</i> <i>Ad.</i>
103	9	179	var. <i>aberrans</i> <i>Ad.</i>
103	9	179	<i>pulchrius</i> <i>Ad.</i>
			<i>C. Binneyanum</i> <i>Pfr.</i>
103	9	179	<i>mutatum</i> <i>Ad.</i>
			<i>C. articulatum</i> <i>Sowb.</i>
103	9	179	<i>mirabile</i> <i>Wood.</i>
			<i>C. decussatulum?</i> <i>Ad.</i>
103	9	179	<i>mirandum</i> <i>Ad.</i>
103	9	179	<i>moribundum</i> <i>Ad.</i>
103	9	179	<i>monstrosum</i> <i>Ad.</i>

[Annals of New York Lyceum and Contributions to Conchology.]

N.Y. ANN. CONTR.

Page.	No.	Page.	
104	9	180	<b>Cyclostoma Wilkinsoni</b> <i>Ad.</i>
104	9	180	<i>modestum</i> <i>Ad.</i>
104	9	180	<b>Campbellii</b> <i>Ad.</i>
104	9	180	<i>avena</i> <i>Ad.</i>
104	9	180	<b>Shepardianum</b> <i>Ad.</i>
104	9	180	<i>xanthostoma</i> <i>Sowb.</i>
104	9	180	var. <i>albilabre</i> <i>Ad.</i>
104	9	180	<i>tenuistriatum</i> <i>Ad.</i>
104	9	180	<i>ignilabre</i> <i>Ad.</i>
104	9	180	var. <i>albilabre</i> <i>Ad.</i>
104	9	180	<b>Newcombianum</b> <i>Ad.</i>
104	9	180	<i>fascia</i> <i>Gray.</i>
104	9	180	var. <i>proximum</i> <i>Ad.</i>
104	9	180	<b>Augustæ</b> <i>Ad.</i>
104	9	180	var. <i>nitens</i> <i>Ad.</i>
104	9	180	<i>testudineum</i> <i>Ad.</i>
104	9	180	<i>rufilabre</i> <i>Ad.</i>
104	9	180	<i>sagittiferum</i> <i>Ad.</i>
104	9	180	<i>thysanoraphe</i> <i>Sowb.</i>
104	9	180	<b>Jayanum</b> <i>Ad.</i>
			<i>C. solidum</i> <i>Ad.</i> non Mke.
104	9	180	var. <i>rufilabre</i> <i>Ad.</i>
104	9	180	<i>nigrilabre</i> <i>Ad.</i>
104	9	180	<b>Redfieldianum</b> <i>Ad.</i>
104	9	180	<i>labeo</i> <i>Müll.</i>
104	9	180	<b>Humphreysianum</b> <i>Pfr.</i>
			<i>C. pictum</i> <i>Sowb.</i>
104	9	180	<i>interruptum</i> <i>Lam.</i> non <i>Deless.</i>
			<i>C. ambiguum</i> <i>Deless.</i> <i>Chenu</i> , non <i>Lam.</i>
104	9	180	<b>Chevalieri</b> <i>Ad.</i>
104	9	180	var. <i>album</i> <i>Ad.</i>
104	9	180	<i>virgatum</i> <i>Ad.</i>
104	9	180	<i>album</i> <i>Lam.</i>
104	9	180	var. <i>fuscum</i> <i>Ad.</i>
104	9	180	<b>Bronnii</b> <i>Ad.</i>
104	9	180	var. <i>fuscolineatum</i> <i>Ad.</i>
104	9	180	<b>Banksianum</b> <i>Sowb.</i>
104	9	180	var. <i>hyacinthinum</i> <i>Ad.</i>
104	9	180	<b>Yallahense</b> <i>Ad.</i>
104	9	180	<i>lamellosum</i> <i>Ad.</i>
104	9	180	<i>tectilabre</i> <i>Ad.</i>
104	9	180	<i>pauperatum</i> <i>Ad.</i>

[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page.	No.	Page.	
104	9	180	<b>Cyclostoma simulans</b> <i>Ad.</i>
104	9	180	<i>crenulosum</i> <i>Ad.</i>
104	9	180	<i>columna</i> <i>Wood.</i>
			<i>C. quinque-fasciatum</i> <i>Ad.</i>
104	9	180	<i>Sauliæ</i> <i>Sowb.</i>
104	9	180	<i>sericinum</i> <i>Ad.</i>
104	9	180	<i>maritimum</i> <i>Ad.</i>
104	9	180	<i>aurora</i> <i>Ad.</i>
104	9	180	<i>Tappanianum</i> <i>Ad.</i>
104	9	180	<i>Adamsi</i> <i>Pfr.</i>
104	9	180	<i>fecundum</i> <i>Ad.</i>
104	9	180	var. <i>distinctum</i> <i>Ad.</i>
104	9	180	<i>Griffithianum</i> <i>Ad.</i>
104	9	180	<i>mordax</i> <i>Ad.</i>
104	9	180	<i>muticum</i> <i>Ad.</i>
104	9	180	<i>armatum</i> <i>Ad.</i>
104	9	180	<i>papyraceum</i> <i>Ad.</i>
104	9	180	var. <i>abbreviatum</i> <i>Ad.</i>
104	9	180	<i>Duffianum</i> <i>Ad.</i>
104	9	180	<i>corrugatum</i> <i>Sowb.</i>
104	9	180	<i>jugosum</i> <i>Ad.</i>
104	9	180	<i>pallescens</i> <i>Ad.</i>
104	9	180	<i>subrugosum</i> <i>Sowb.</i>
104	9	180	<i>Jamaicense</i> <i>Chemn.</i>
104	9	180	<i>seminudum</i> <i>Ad.</i>
104	9	180	<i>varians</i> <i>Ad.</i>
104	9	180	<i>crassum</i> <i>Ad.</i>
104	9	180	<i>perpallidum</i> <i>Ad.</i>
104	9	180	<i>asperulum</i> <i>Sowb.</i>
104	9	180	<i>dubiosum</i> <i>Ad.</i>
104	9	180	<i>suturale</i> <i>Sowb.</i>
105	9	181	<b>Stoastoma Agassizianum</b> <i>Ad.</i>
105	9	181	<i>Philippianum</i> <i>Ad.</i>
105	9	181	<i>Gouldianum</i> <i>Ad.</i>
105	9	181	<i>Vilkinsoniæ</i> <i>Ad.</i>
105	9	181	<i>Tappanianum</i> <i>Ad.</i>
105	9	181	<i>Blandianum</i> <i>Ad.</i>
105	9	181	<i>Hollandianum</i> <i>Ad.</i>
105	9	181	<i>Anthonianum</i> <i>Ad.</i>
105	9	181	<i>Fadyenianum</i> <i>Ad.</i>
105	9	181	<i>Petitianum</i> <i>Ad.</i>
105	9	181	<i>Pfeifferianum</i> <i>Ad.</i>
105	9	181	<i>Cumingianum</i> <i>Ad.</i>

## [Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page.	No.	Page.	
105	9	181	<b>Stoastoma Chittyanum</b> <i>Ad.</i>
105	9	181	<i>pisum</i> <i>Ad.</i>
105	9	181	<b>Lindsleyanum</b> <i>Ad.</i>
105	9	181	<b>Redfieldianum</b> <i>Ad.</i>
105	9	181	<b>Moricandianum</b> <i>Ad.</i>
105	9	181	<b>Jayanum</b> <i>Ad.</i>
105	9	181	<b>Leanum</b> <i>Ad.</i>
105	9	181	<b>Lucidella aureola</b> <i>Gray.</i>
105	9	181	var. <i>granulosa</i> <i>Ad.</i>
105	9	181	<b>Trochatella Tankervillei</b> <i>Gray.</i>
105	9	181	<i>pulchella</i> <i>Gray.</i>
105	9	181	var. <i>multicarinata</i> <i>Ad.</i>
105	9	181	<i>nobilis</i> <i>Ad.</i>
105	9	181	<b>Grayana</b> <i>Pfr.</i>
105	9	181	<b>Josephinæ</b> <i>Ad.</i>
105	9	181	var. <i>pulchra</i> <i>Ad.</i>
105	9	181	<i>tenuis</i> <i>Ad.</i>
105	9	181	<b>Helicina palliata</b> <i>Ad.</i>
105	9	181	var. <i>labiosa</i> <i>Ad.</i>
105	9	181	<b>Brownii</b> <i>Gray.</i>
105	9	181	<b>consanguinea</b> <i>Ad.</i>
105	9	181	var. <i>soror</i> <i>Ad.</i>
105	9	181	<b>hirsuta</b> <i>Ad.</i>
105	9	181	<b>microstoma</b> <i>Ad.</i>
105	9	181	<b>Hollandi</b> <i>Ad.</i>
105	9	181	<i>pusilla</i> <i>Ad.</i>
105	9	181	<b>macilenta</b> <i>Ad.</i>
105	9	181	<b>maxima</b> <i>Sowb.</i>
105	9	181	var. <i>citrina</i> <i>Ad.</i>
105	9	181	<i>nobilis</i> <i>Ad.</i>
105	9	181	<i>albolabris</i> <i>Ad.</i>
105	9	181	<b>citrinolabris</b> <i>Ad.</i>
105	9	181	<i>dubiosa</i> <i>Ad.</i>
105	9	181	var. <i>intermedia</i> <i>Ad.</i>
105	9	181	<i>solitaria</i> <i>Ad.</i>
			<i>H. Guildingiana</i> <i>Pfr.</i>
105	9	181	<i>affinis</i> <i>Ad.</i>
105	9	181	<b>megastoma</b> <i>Ad.</i>
105	9	181	<b>Gossei</b> <i>Pfr.</i>
105	9	181	<b>Adamsiana</b> <i>Pfr.</i>
105	9	181	<i>depressa</i> <i>Gray.</i>
			<i>H. Leana</i> <i>Ad.</i>
105	9	181	var. <i>valida</i> <i>Ad.</i>



[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page.	No.	Page.	
105	9	181	<b>Helicina lineata</b> <i>Ad.</i>
105	9	181	<i>neritella</i> <i>Lam.</i>
105	9	181	var. <i>angulata</i> <i>Ad.</i>
105	9	181	<i>ampliata</i> <i>Ad.</i>
105	9	181	<b>Jamaicensis</b> <i>Sowb.</i>
105	9	181	<i>aurantia</i> <i>Gray.</i>
105	9	181	<i>costata</i> <i>Sowb.</i>
106	9	182	<b>Truncatella scalaris</b> <i>Mich.</i>
			<i>T. Cumingii</i> <i>Ad.</i>
			<i>costata</i> <i>Pfr.</i>
106	9	182	<i>modesta</i> <i>Ad.</i>
106	9	182	<b>Adamsi</b> <i>Pfr.</i>
			<i>T. scalariformis</i> <i>Ad.</i>
106	9	182	<i>succinea</i> <i>Ad.</i>
106	9	182	<b>Geomelania Greyana</b> <i>Ad.</i>
106	9	182	<i>fortis</i> <i>Ad.</i>
106	9	182	<b>Jamaicensis</b> <i>Pfr.</i>
106	9	182	<i>magna</i> <i>Ad.</i>
106	9	182	<i>procera</i> <i>Ad.</i>
106	9	182	<i>gracilis</i> <i>Ad.</i>
106	9	182	var. <i>parva</i> <i>Ad.</i>
106	9	182	<i>typica</i> <i>Ad.</i>
106	9	182	var. <i>pygmæa</i> <i>Ad.</i>
106	9	182	<i>expansa</i> <i>Ad.</i>
106	9	182	<i>affinis</i> <i>Ad.</i>
106	9	182	<i>media</i> <i>Ad.</i>
106	9	182	<i>vicina</i> <i>Ad.</i>
106	9	182	<i>minor</i> <i>Ad.</i>
106	9	182	<b>Hilliana</b> <i>Ad.</i>
106	9	182	<i>exilis</i> <i>Ad.</i>
106	9	182	<i>pauperata</i> <i>Ad.</i>
106	9	182	<b>Beardsleana</b> <i>Ad.</i>
106	9	182	<i>pygmæa</i> <i>Ad.</i>
106	9	182	<i>conica</i> <i>Ad.</i>
106	9	182	<i>pyramidata</i> <i>Ad.</i>
106	9	182	<i>costulosa</i> <i>Ad.</i>
106	9	182	<i>striosa</i> <i>Ad.</i>
106	9	182	<i>elegans</i> <i>Ad.</i>
106	9	182	<b>Cylindrella gracilis</b> <i>Wood.</i>
106	9	182	<i>elongata</i> <i>Chem.</i>
			<i>C. Cumingii</i> <i>Ad.</i>
			<i>Chemnitziana</i> ( <i>Helix</i> ) <i>Fer.</i>
106	9	182	<b>Agnestana</b> <i>Ad.</i>

[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page.	No.	Page.	
106	9	182	<b>Cylindrella</b> (var.) <b>diminuta</b> <i>Ad.</i>
106	9	182	<b>alba</b> <i>Ad.</i>
106	9	182	var. <b>striatula</b> <i>Ad.</i>
106	9	182	<b>subula</b> <i>Fer.</i>
106	9	182	<b>alabastrina</b> <i>Pfr.</i>
106	9	182	<b>Humboldtiana</b> (var. $\beta$ ) <i>Pfr.</i>
106	9	182	<b>variegata</b> (var. $\gamma$ ) <i>Pfr.</i>
106	9	182	<b>seminuda</b> <i>Ad.</i>
106	9	182	<b>Robertsi</b> <i>Ad.</i>
106	9	182	<b>costulata</b> <i>Ad.</i>
106	9	182	<b>costulosa</b> <i>Ad.</i>
106	9	182	<b>Hydeana</b> <i>Ad.</i>
			<i>Bulimus Gossei</i> <i>Pfr.</i>
106	9	182	<b>Gossei</b> <i>Pfr.</i>
106	9	182	<b>Maugeri</b> <i>Wood.</i>
106	9	182	var. <b>nigrescens</b> <i>Ad.</i>
106	9	182	<b>solida</b> <i>Ad.</i>
106	9	182	<b>levis</b> <i>Ad.</i>
103	9	182	<b>tricolor</b> <i>Ad.</i>
107	9	183	<b>crassa</b> <i>Ad.</i>
107	9	183	<b>unicincta</b> <i>Ad.</i>
107	9	183	<b>bicincta</b> <i>Ad.</i>
107	9	183	<b>concinna</b> <i>Ad.</i>
107	9	183	<b>sinuata</b> <i>Ad.</i>
107	9	183	<b>rufilabris</b> <i>Ad.</i>
107	9	183	<b>citrina</b> <i>Ad.</i>
107	9	183	<b>fusiformis</b> <i>Ad.</i>
107	9	183	<b>albida</b> <i>Ad.</i>
107	9	183	<b>valida</b> <i>Ad.</i>
107	9	183	<b>unicolor</b> <i>Ad.</i>
107	9	183	<b>striatula</b> <i>Ad.</i>
107	9	183	<b>striata</b> <i>Ad.</i>
107	9	183	<b>corpulenta</b> <i>Ad.</i>
107	9	183	<b>fusca</b> <i>Ad.</i>
107	9	183	<b>conica</b> <i>Ad.</i>
107	9	183	<b>tesselata</b> <i>Ad.</i>
107	9	183	<b>cinerea</b> <i>Ad.</i>
107	9	183	<b>gracilis</b> <i>Ad.</i>
107	9	183	<b>integra</b> <i>Ad.</i>
107	9	183	<b>Hollandi</b> <i>Ad.</i>
107	9	183	var. <b>Augustæ</b> <i>Ad.</i>
107	9	183	<b>procera</b> <i>Ad.</i>
107	9	183	<b>montana</b> <i>Ad.</i>

[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page.	No.	Page.	
107	9	183	<b>Cylindrella rosea</b> Pfr.
107	9	183	var. <b>magna</b> Ad.
107	9	183	<b>major</b> Ad.
107	9	183	<b>fortis</b> Ad.
107	9	183	<b>ambigua</b> Ad.
107	9	183	<b>cylindrus</b> Chemn.
107	9	183	<b>rubella</b> Ad.
107	9	183	<b>zonata</b> Ad.
107	9	183	<b>aspera</b> Ad.
107	9	183	<b>brevis</b> Pfr.
107	9	183	var. <b>obesa</b> Ad.
107	9	183	<b>columna</b> Ad.
107	9	183	<b>intermedia</b> Ad.
107	9	183	<b>Gravesii</b> Ad.
107	9	183	<b>lata</b> Ad.
107	9	183	var. <b>producta</b> Ad.
107	9	183	<b>nobilior</b> Ad.
107	9	183	<b>Baquilana</b> Chitty.
107	9	183	<b>carnea</b> Ad.
107	9	183	var. <b>cerina</b> Ad.
107	9	183	<b>sanguinea</b> Pfr.
107	9	183	<b>pupæformis</b> Ad.
107	9	183	<b>humilis</b> Ad.
107	9	183	<b>inornata</b> Ad.
107	9	183	<b>simplex</b> Ad.
107	9	183	<b>pusilla</b> Ad.
107	9	183	<b>rubra</b> Ad.
107	9	183	<b>elatior</b> Ad.
107	9	183	<b>princeps</b> Ad.
107	9	183	<b>Dunkeri</b> Pfr.
107	9	183	<b>similis</b> Ad.
107	9	183	<b>tenella</b> Ad.
107	9	183	<b>tenera</b> Ad.
107	9	183	<b>Achatina solitaria</b> Ad.
107	9	183	<b>ligata</b> Ad.
107	9	183	<b>Jamaicensis</b> Pfr.
107	9	183	<b>procera</b> Ad.
107	9	183	<b>Griffithii</b> Ad.
107	9	183	<b>Philippiana</b> Pfr.
107	9	183	<b>elegans</b> Ad.
107	9	183	<b>venusta</b> Ad.
107	9	183	<b>leucozonias</b> Walch.
107	9	183	<b>Dominicensis</b> Gmel.

[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page.	No.	Page.	
107	9	183	<b>Achatina nitida</b> <i>Ad.</i>
107	9	183	<i>angiostoma</i> <i>Ad.</i>
107	9	183	<i>Ingallsiana</i> <i>Ad.</i>
107	9	183	<i>unicolor</i> <i>Ad.</i>
107	9	183	<i>Gayana</i> <i>Ad.</i>
107	9	183	<i>nemorensis</i> <i>Ad.</i>
107	9	183	<i>similis</i> <i>Ad.</i>
107	9	183	<i>Phillipsii</i> <i>Ad.</i>
107	9	183	<i>arcuata</i> <i>Pfr.</i>
107	9	183	<i>puella</i> <i>Ad.</i>
107	9	183	<i>tenera</i> <i>Ad.</i>
107	9	183	<i>longispira</i> <i>Ad.</i>
107	9	183	<i>proxima</i> <i>Ad.</i>
107	9	183	<i>Blandiana</i> <i>Ad.</i>
107	9	183	<i>propinqua</i> <i>Ad.</i>
108	9	184	<i>osculans</i> <i>Ad.</i>
108	9	184	<i>perplexa</i> <i>Ad.</i>
108	9	184	<i>Gossei</i> <i>Pfr.</i>
108	9	184	<i>costulata</i> <i>Ad.</i>
108	9	184	<i>gracillior</i> <i>Ad.</i>
108	9	184	<i>costulosa</i> <i>Ad.</i>
108	9	184	<i>curvilabris</i> <i>Pfr.</i>
108	9	184	<i>vicina</i> <i>Ad.</i>
108	9	184	<i>pellucens</i> <i>Ad.</i>
108	9	184	<i>levis</i> <i>Ad.</i>
108	9	184	<i>micans</i> <i>Ad.</i>
108	9	184	<i>iota</i> <i>Ad.</i>
108	9	184	<i>octona</i> <i>Chemn.</i>
108	9	184	<i>striosa</i> <i>Ad.</i>
108	9	184	<b>Spiraxis costulosa</b> <i>Ad.</i>
108	9	184	<i>inusitata</i> ( <i>Achatina</i> ) <i>Ad.</i>
108	9	184	<i>mirabilis</i> ( <i>Bulimus</i> ) <i>Ad.</i>
108	9	184	<i>anomala</i> ( <i>Achatina</i> ) <i>Ad.</i>
108	9	184	<i>brevis</i> <i>Ad.</i>
108	9	184	<i>aberrans</i> ( <i>Achatina</i> ) <i>Pfr.</i>
108	9	184	var. <i>unicolor</i> <i>Ad.</i>
108	9	184	<b>Bulimus minimus</b> <i>Ad.</i>
108	9	184	<i>striatellus</i> <i>Ad.</i>
108	9	184	<i>terebella</i> <i>Ad.</i>
108	9	184	<i>pauperculus</i> <i>Ad.</i>
108	9	184	<i>hortensis</i> <i>Ad.</i>
108	9	184	<i>octonoides</i> <i>Ad.</i>
108	9	184	<i>pallidus</i> <i>Ad.</i>

[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page.	No.	Page.	
108	9	184	<b>Bulimus monodon</b> <i>Ad.</i>
108	9	184	<i>nitidiusculus</i> <i>Ad.</i>
108	9	184	<i>subula</i> <i>Pfr.</i>
			<i>B. procerus</i> <i>Ad.</i>
108	9	184	<i>læviusculus</i> <i>Ad.</i>
108	9	184	<i>rufescens</i> <i>Gray.</i>
108	9	184	<i>erubescens</i> <i>Pfr.</i>
108	9	184	<i>immaculatus</i> <i>Ad.</i>
108	9	184	<i>zebra</i> <i>Müll.</i>
			<i>B. undatus</i> <i>Brug.</i>
108	9	184	<i>macrospira</i> <i>Ad.</i>
108	9	184	<b>Pupa exilis</b> <i>Ad.</i>
108	9	184	<i>fallax?</i> <i>Say.</i>
108	9	184	<i>lata</i> <i>Ad.</i>
108	9	184	<i>contracta?</i> <i>Say.</i>
108	9	184	<i>tenuidens</i> <i>Ad.</i>
108	9	184	<i>hexodon</i> <i>Ad.</i>
108	9	184	<i>servilis</i> <i>Gould.</i>
108	9	184	<i>Jamaicensis</i> <i>Ad.</i>
108	9	184	<i>striatella?</i> <i>Pfr.</i>
108	9	184	<b>Succinea angustior</b> <i>Ad.</i>
108	9	184	<i>Sagra?</i> <i>D'Orb.</i>
108	9	184	<i>latior</i> <i>Ad.</i>
108	9	184	<i>contorta</i> <i>Ad.</i>
108	9	184	<b>Helix Martiniana</b> <i>Pfr.</i>
108	9	184	<i>peracutissima</i> <i>Ad.</i>
108	9	184	<i>soror</i> <i>Fer.</i>
108	9	184	<i>cara</i> <i>Ad.</i>
108	9	184	var. <i>media</i> <i>Ad.</i>
108	9	184	<i>amabilis</i> <i>Ad.</i>
109	9	185	<b>Chittyana</b> <i>Ad.</i>
109	9	185	<i>patina</i> <i>Ad.</i>
109	9	185	var. <i>nobilis</i> <i>Ad.</i>
109	9	185	<i>ingens</i> <i>Ad.</i>
109	9	185	var. <i>imperforata</i> <i>Ad.</i>
109	9	185	<i>indigna</i> <i>Ad.</i>
109	9	185	<i>acuta</i> <i>Lam.</i>
109	9	185	var. <i>acutissima</i> <i>Lam.</i>
109	9	185	<i>fuscolabris</i> <i>Ad.</i>
109	9	185	<i>lucerna</i> <i>Müll.</i>
109	9	185	<i>fortis</i> <i>Ad.</i>
109	9	185	<i>Okeniana</i> <i>Pfr.</i>

[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONF.

Page.	No.	Page.	
109	9	185	<b>Helix Swainsoniana</b> <i>Ad.</i>
109	9	185	<i>tridentina</i> <i>Fer.</i>
109	9	185	<b>Bronni</b> <i>Pfr.</i>
109	9	185	<i>valida</i> <i>Ad.</i>
109	9	185	<i>consanguinea</i> <i>Ad.</i>
109	9	185	var. <i>imperfiorata</i> <i>Ad.</i>
109	9	185	<i>carinata</i> <i>Ad.</i>
109	9	185	<i>picturata</i> <i>Ad.</i>
109	9	185	<i>invalida</i> <i>Ad.</i>
109	9	185	<i>sinuata</i> <i>Müll.</i>
109	9	185	var. <i>propenuda</i> <i>Ad.</i>
109	9	185	<i>candescens</i> <i>Ad.</i>
109	9	185	<i>strangulata</i> <i>Ad.</i>
109	9	185	<i>anomala</i> <i>Pfr.</i>
109	9	185	var. <i>pallescens</i> <i>Ad.</i>
109	9	185	<i>convexa</i> <i>Ad.</i>
109	9	185	<b>Bainbridgei</b> <i>Pfr.</i>
109	9	185	var. <i>pretiosa</i> <i>Ad.</i>
109	9	185	<b>Spengleriana</b> <i>Pfr.</i>
109	9	185	<b>Redfieldiana</b> <i>Ad.</i>
109	9	185	<i>aspera</i> <i>Fer.</i>
109	9	185	<b>Jamaicensis</b> <i>Chemn.</i>
			<i>H. pulla</i> <i>Gmel.</i>
109	9	185	<i>angustata</i> <i>Fer.</i>
109	9	185	<b>Cubensis</b> (var. <i>♀</i> ) <i>Pfr.</i>
109	9	185	<i>tunicata</i> <i>Ad.</i>
109	9	185	<b>Buddiana</b> <i>Ad.</i>
109	9	185	<b>MacMurrayi</b> <i>Ad.</i>
109	9	185	<i>munda</i> <i>Ad.</i>
109	9	185	<i>columellata</i> <i>Ad.</i>
109	9	185	<i>tenerima</i> <i>Ad.</i>
109	9	185	<i>graminicola</i> <i>Ad.</i>
109	9	185	<i>nemoraloides</i> <i>Ad.</i>
109	9	185	<i>pulchrior</i> <i>Ad.</i>
109	9	185	<b>Gossei</b> <i>Pfr.</i>
109	9	185	<b>Blandiana</b> <i>Ad.</i>
109	9	185	<i>subconica</i> <i>Ad.</i>
109	9	185	<i>fuscocincta</i> <i>Ad.</i>
109	9	185	<i>virginea</i> <i>Ad.</i>
109	9	185	<b>Jacobensis</b> <i>Ad.</i>
109	9	185	<i>fuscula</i> <i>Ad.</i>
109	9	185	<i>immunda</i> <i>Ad.</i>

[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page.	No.	Page.	
109	9	185	<b>Helix rufula</b> Pfr.
109	9	185	ptychodes Pfr.
109	9	185	alveus Ad.
109	9	185	perdepressa Ad.
109	9	185	brevior Ad.
			<i>H. depressa</i> Ad.
109	9	185	sincera Ad.
109	9	185	diminuta Ad.
109	9	185	apex Ad.
109	9	185	inconspicua Ad.
109	9	185	peraffinis Ad.
109	9	185	Boothiana Pfr.
			<i>H. pellucida</i> Ad.
109	9	185	spretta Ad.
109	9	185	var. errans.
109	9	185	turbiniformis Pfr.
			<i>H. subpyramidalis</i> Ad.
109	9	185	Anthonia Ad.
110	9	186	angustispira Ad.
110	9	186	brevis Ad.
110	9	186	Hollandi Ad.
110	9	186	similis Ad.
110	9	186	arboreoides Ad.
			<i>H. Haldemaniana</i> Pfr.
110	9	186	ambigua Ad.
110	9	186	osculans Ad.
110	9	186	var. delaminata Ad.
110	9	186	lamellifera Ad.
110	9	186	pila Ad.
110	9	186	Foremaniana Ad.
110	9	186	Cookiana Gmel.
110	9	186	epistylioides Fer.
110	9	186	alligans Ad.
110	9	186	epistylum Müll.
110	9	186	var. minor Ad.
			delaminata Ad.
110	9	186	torrefacta Ad.
110	9	186	connectens Ad.
110	9	186	epistyliulum Ad.
110	9	186	simulans Ad.
110	9	186	dioscoricola Ad.
110	9	186	paludosa Pfr.

[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page.	No.	Page.	
110	9	186	<b>Proserpina discoidea</b> <i>Ad.</i>
110	9	186	<i>opalina</i> ( <b>Helix</b> ) <i>Ad.</i>
110	9	186	<i>nitida</i> <i>Sowb.</i>
110	9	186	var. <i>planulata</i> <i>Ad.</i>
110	9	186	<i>pulchra</i> <i>Ad.</i>
110	9	186	<i>bidentata</i> <i>Ad.</i>
110	9	186	<i>pisum</i> <i>Ad.</i>
110	9	186	<b>Melampus coniformis</b> <i>Brug.</i>
110	9	186	<i>flavus</i> <i>Gmel.</i>
			<i>Auricula monile</i> <i>Lam.</i>
110	9	186	<i>pusillus</i> <i>Gmel.</i>
			<i>Auricula nitens</i> <i>Lam.</i>
110	9	186	<i>coronatus</i> <i>Ad.</i>
110	9	186	<i>cingulatus</i> <i>Pfr.</i>
110	9	186	<b>Pedipes quadridens</b> <i>Pfr.</i>
110	9	186	<i>ovalis</i> <i>Ad.</i>
111	9	187	<b>Adams.</b> —Catalogue of the Fresh Water Shells which inhabit Jamaica. (From same.)
111	9	187	<b>Neritina punctulata</b> <i>Lam.</i>
111	9	187	<i>Jamaicensis</i> <i>Ad.</i>
111	9	187	<i>tenebricosa</i> <i>Ad.</i>
111	9	187	<b>Melanopsis lineolata</b> <i>Gray.</i>
111	9	187	<b>Melania spinifera</b> <i>Ad.</i>
111	9	187	<b>Valvata pygmæa</b> <i>Ad.</i>
111	9	187	<i>inconspicua</i> <i>Ad.</i>
111	9	187	<b>Paludina rivularis</b> <i>Ad.</i>
111	9	187	<i>Jamaicensis</i> <i>Ad.</i>
111	9	187	<b>Ampullaria fasciata?</b> <i>Lam.</i>
111	9	187	<b>Planorbis MacNabianus</b> <i>Ad.</i>
111	9	187	<i>Redfieldi</i> <i>Ad.</i>
111	9	187	<i>Haldemani</i> <i>Ad.</i>
111	9	187	<i>dentiferus</i> <i>Ad.</i>
111	9	187	var. <i>edentatus</i> <i>Ad.</i>
111	9	187	<i>pallidus</i> <i>Ad.</i>
111	9	187	<i>decipiens</i> <i>Ad.</i>
111	9	187	<i>affinis</i> <i>Ad.</i>
111	9	187	<i>humilis</i> <i>Ad.</i>
111	9	187	<b>Ancylus obscurus?</b> <i>Hald.</i>
111	9	187	<i>obliquus</i> <i>Ad.</i>
111	9	187	<b>Physa Sowerbyana?</b> <i>D'Orb.</i>
111	9	187	<i>Jamaicensis</i> <i>Ad.</i>



[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page. No. Page.

111	9	187	<i>Limnæa umbilicata</i> Ad.
111	9	187	<i>Cyclas pygmæa</i> Ad.
111	9	187	<i>Veatleyi</i> Ad.

Page.

224

**Redfield.**—Descriptions of new species of *Marginella* and *Cypræa*: by JOHN H. REDFIELD.

224		<i>Marginella vexillum</i> Redf.	Cape Palmas.
225		<i>amabilis</i> Redf.	Yucatan.
		<i>M. carnea</i> Sowb. not Storer.	
226		<i>antiqua</i> Redf.	Va. fossil.
226		<i>Gabiensis</i> Redf. = <i>M. amygdala</i> Kien.	
226		<i>vermiculata</i> Redf. = <i>M. quinqueplicata</i> Lam.	
227		<i>Hainesii</i> Pet. = <i>M. quinqueplicata</i> Lam.	
227		<i>pubica</i> Gaskoin = <i>M. chrysomelina</i> .	
227		<i>Delessertiana</i> Recl. = <i>albolineata</i> D'Orb.?	
227		<i>Cypræa reticulata</i> .	
227		<i>histrio</i> .	

220

**Adams.**—Catalogue of Shells collected at Panama, with notes, &c.: by C. B. ADAMS.

[Also published separately, 1852. I have given the pages of the Annals as well as of the separate work.—W. G. B.]

Family **Cypræidae.**

ANN.	P. S.		ANN.	P. S.	
Pa.	Pa.		Pa.	Pa.	
253	29	<i>Ovula avena</i> Sowb.	261	37	<i>Cypræa radians</i> Lam.
254	30	<i>emarginata</i> Sowb.			<i>Trivia radians</i> Gray.
255	31	<i>neglecta</i> Ad.			<i>C. oniscus</i> Wood.
255	31	<i>variabilis</i> Ad.	262	38	<i>rubescens</i> Gray.
256	32	—	262	38	<i>sanguinea</i> Gray
256	32	<i>Cypræa arabicula</i> Lam.			( <i>Trivia</i> ).
257	33	<i>cervinetta</i> Kien.	263	39	<i>Erato scabriuscula</i> Gr.
		<i>C. exanthema</i> (var.)			<i>Marginella cypræola</i>
		Gray.			Sowb.
		<i>cervus</i> (var.) Rve.			<i>Marginella granum</i> Kien.
259	35	<i>punctulata</i> Gray.	264	40	<i>Marginella minor</i> Ad.
259	35	<i>pustulata</i> Lam.	264	40	<i>sapotilla</i> Hindls.
		<i>Trivia pustulata</i> Gray.			

[Annals of New York Lyceum and Panama Shells.]

Family **Mitridæ.**

ANN.	P. S.		ANN.	P. S.	
Pa.	Pa.		Pa.	Pa.	
266	42	<b>Mitra funiculata</b> Rve.	267	43	<b>Mitra nucleola</b> Lam.
266	42	<b>lens</b> Wood ( <i>Voluta</i> ).	268	44	<b>solitaria</b> Ad.
		<i>Tiara foraminata</i> Sw.	268	44	<b>tristis</b> Brod.
		<i>Mitra Dupontii</i> Kien.			

Family **Purpuridæ.**

269	45	<b>Terebra elata</b> Hinds.	283	59	<b>Nassa canescens</b> Ad.
269	45	<b>larvæformis</b> Hinds.	283	59	<b>collaria</b> Ad.
270	46	<b>robusta</b> Hinds.	284	60	<b>corpulenta</b> Ad.
270	46	<b>specillata</b> Hinds.	285	61	<b>gemmulosa</b> Ad.
271	47	<b>tuberculosa</b> Hinds.	285	61	<b>glaucia</b> Ad.
271	48	<b>varicosa</b> Hinds.	286	62	<b>luteostoma</b> Ad.
271	48	———?			<i>N. xanthostoma</i> Gray.
271	48	———?			<i>Buccinum luteostoma</i>
271	48	———?			Br. & Sowb.
271	48	———?	287	63	<b>nodifera</b> Powis.
271	48	———?	287	63	<b>pagodus</b> ( <i>Triton</i> ) Rve.
272	48	<b>Oliva angulata</b> Lam.			<i>Buccinum decussatum</i>
		<i>Voluta oliva</i> (var. ♂)			Kien.
		Gmel.	288	64	<b>Panamensis</b> Ad.
		<i>incrassata</i> Dillw.	288	64	<b>proxima</b> Ad.
273	49	<b>araneosa</b> Lam.	289	65	<b>scabriuscula</b> Powis?
		<i>O. reticularis</i> Rve.	289	65	<b>striata</b> Ad.
274	50	<b>inconspicua</b> Ad.	290	66	<b>versicolor</b> Ad.
275	51	<b>pellucida</b> Rve.	291	67	<b>Wilsoni</b> Ad.
275	51	<b>porphyria</b> Linn. ( <i>Vol.</i> )	291	67	<b>Buccinum crassum</b> Hd.
		<i>O. Panamaensis</i> Montf.			<i>Phos crassus</i> Hinds.
277	53	<b>semistriata</b> Gray.	292	68	<b>distortum</b> Bligh.
278	54	<b>testacea</b> Lam.			<i>Polia distorta</i> Gray.
279	55	<b>undatella</b> Lam.			<i>Columbella triumphalis</i>
		<i>O. tenebrosa</i> Wood.	293	68	<b>insigne</b> Rve. [Duel.
280	56	<b>venulata</b> Lam. [Rve.]			<i>B. mutabile</i> Val.
		<i>O. reticularis</i> (var.)	293	69	<b>lugubre</b> Ad.
		<i>Voluta ispidula</i>	294	70	<b>pagodus</b> Rve.
		(β var.) Born.	294	70	<b>pristis</b> Desh.
281	57	<b>volutella</b> Lam.			<i>B. serratum</i> Kien.
		<i>O. cærulea</i> Wood.	295	71	<b>ringens</b> Rve.
282	58	<b>Planaxis planicostata</b>	296	72	<b>sanguinolentum</b> Mke.
		Sowb.			<i>B. hæmastoma</i> Rve.
		<i>P. canaliculata</i> Duval			<i>Polia hæmastoma</i> Gr.
		<i>Buccinum planaxis</i>			<i>Purpura sanguinolenta</i>
		Wood.			Duel.

[Annals of New York Lyceum and Panama Shells.]

ANN.	P. S.		ANN.	P. S.	
Pa.	Pa.		Pa.	Pa.	
		<i>B. Janelii</i> Val.	306	82	<b>Columbella atramentaria</b> Sowb.
296	72	<b>Buccinum Stimpsonianum</b> Ad.	306	82	<i>bicanalifera</i> Sowb.
297	73	<b>Dolium ringens</b> Rve.	307	83	<b>Boivinii</b> Kien.
		<i>D. dentatum</i> Barnes.	307	83	<b>conspicua</b> Ad.
		<i>personatum</i> Mke.	308	84	<b>costellata</b> Br. & Sowb.
		<i>Cassis ringens</i> Swains.	309	85	<b>diminuta</b> Ad.
		<i>Buccinum ringens</i> Wd.	309	85	<b>dorsata</b> Sowb.
		<i>Malea latilabris</i> Val.	310	86	<b>fluctuata</b> Sowb.
		<i>crassilabris</i> Val.			<i>C. suturalis</i> Griff.
		<i>Dolium latilabre</i> Kien.	311	87	<b>fulva</b> Sowb.
		<i>plicosum</i> Mke.	311	87	<b>fuscata</b> Sowb.
		<i>crassilabre</i> Mke.			<i>C. meleagris</i> Kien.
298	74	<b>Monoceros brevidentatum</b> Sowb.	312	88	<b>gibberula</b> Sowb.
		<i>Buccinum brevidentatum</i> Wood.	313	89	<b>gracilis</b> Ad.
		<i>Purpura cornigera</i> Bl.	313	89	<b>guttata</b> Sowb.
		<i>ocellata</i> Kien.			<i>C. cribraria</i> Sowb.
		<i>maculata</i> Gmel.	315	91	<b>hæmastoma</b> Sowb.
299	75	<b>cingulatum</b> Lam.	315	91	<b>harpiformis</b> Sowb.
		<i>Buccinum cingulatum</i>			<i>C. citharula</i> Ducl.
		Wood.	316	92	<b>labiosa</b> Sowb.
		<i>pseudodon</i> Burr.	317	93	<b>lyrata</b> Sowb.
		<i>Turbinella cingulata</i>	317	93	<b>major</b> Sowb.
		Kien.			<i>C. gibbosa</i> Val.
300	76	<b>Purpura Carolensis</b>	318	94	<b>modesta</b> Gould.
300	76	<b>foveolata</b> Ad. [Rve.			<i>Buccinum modestum</i>
301	77	<b>kiosquiformis</b> Ducl.	318	94	<b>mœsta</b> Ad. [Powis.
302	78	—— (sp. ined.)	319	95	<b>nigricans</b> Sowb.
302	78	<b>melo</b> Desh.	320	96	<b>parva</b> Sowb.
		<i>P. crassa</i> Blainv.	320	96	<b>pulchrior</b> Ad.
		<i>melones</i> Ducl.	321	97	<b>pygmæa</b> Sowb.
303	79	<b>osculans</b> Ad.	321	97	<b>rugosa</b> Sowb.
303	79	<b>tecta</b> Rve.			<i>C. Sowerbyi</i> Ducl.
		<i>P. angulifera</i> Ducl.	322	98	<b>strombiformis</b> Lam.
		<i>callosa</i> Sowb.			<i>Buccinum strombiforme</i> Wood.
		<i>Buccinum tectum</i> Wd.			
		<i>Cuma sulcata</i> Swains.	323	99	<b>tesselata</b> Ad.
		<i>Turbinella callosa</i>	323	99	<b>turrita</b> Sowb.
		<i>tectum</i> Rve. [Less.	324	100	<b>varia</b> Sowb.
304	80	<b>undata</b> Lam.	325	101	—— (sp. ined.) [Rve.
		<i>P. hæmastoma</i> Mke.	325	101	<b>Ricinuia carbonaria?</b>

[Annals of New York Lyceum and Panama Shells.]

ANN. P. S.	Pa.	Pa.	ANN. P. S.	Pa.	Pa.
325	101	<b>Ricinula jugosa</b> <i>Ad.</i>	327	103	<b>Cassia coarctata</b> <i>Sowb.</i>
326	102	<b>Reeviana</b> <i>Ad.</i> [Rve. <i>Buccinum pulchrum</i>			<i>Buccinum coarctatum</i> Wood. [Rve.
326	102	<b>Cassis abbreviata</b> <i>Bl.</i> <i>C. lactea</i> Kien.	328	104	<b>Oniscia tuberculosa</b>

Family **Strombidae.**

328	104	<b>Conus brunneus</b> <i>Wood.</i>	332	108	<b>Conus purpurascens</b> <i>Brod.</i>
329	105	<b>gladiator</b> <i>Brod.</i>	333	109	<b>regalitat</b> <i>Sowb.</i>
329	105	<b>mahogani</b> <i>Rve.</i>	334	110	<b>regularis</b> <i>Sowb.</i>
330	106	<b>nux</b> <i>Brod.</i>	334	110	<b>vittatus</b> <i>Lam.</i>
330.	106	<b>princeps</b> <i>Linn.</i> <i>C. regius</i> Chemn. (Conch. Cab. La Robe Persienne Favanne.)	335	111	<b>Strombus galea</b> <i>Wood.</i> <i>S. galeatus</i> Gray.
		<i>C. lineolatus</i> Val.	336	112	<b>gracilior</b> <i>Sowb.</i>
			337	113	<b>granulatus</b> <i>Swains.</i>
			338	114	<b>Peruvianus</b> <i>Swains.</i>

Family **Muricidae.**

339	115	<b>Triton Chemnitzii</b> <i>Rve.</i> <i>T. perforatus</i> Conr. <i>Cassidaria setosa</i> Hds. <i>Triton nodosum</i> Mke. <i>Argo-buccinum nodosum</i> Chemn. <i>Murex argus</i> (var. $\beta$ , pars) Gmel. <i>Fusus Wiegmanni</i> Ant.	346	122	<b>Murex radix</b> <i>Schröt.</i> <i>M. melanomathos</i> Dill.
			347	123	<b>rectirostris</b> <i>Sowb.</i>
			348	124	<b>recurvirostris</b> <i>Brod.</i>
			348	124	<b>regius</b> <i>Swains.</i> <i>M. tricolor</i> Val.
			349	125	<b>salebrosus</b> <i>King.</i> <i>M. vitulinus</i> Gray.
			350	126	<b>vibex</b> <i>Brod.</i>
340	116	<b>constrictus</b> <i>Brod.</i> <i>T. decussatum</i> Val.	351	127	<b>vittatus</b> <i>Brod.</i>
			351	127	<b>Pyrrula patula</b> <i>Brod.</i> <i>Cyrtulus patula</i> Hinds.
340	116	<b>fusoides</b> <i>Ad.</i>	352	128	<b>Ficula ventricosa</b> <i>Chenu.</i>
340	116	<b>gibbosus</b> <i>Brod.</i>			<i>F. decussata</i> Rve.
341	117	<b>lignarius</b> <i>Brod.</i>			<i>Pyrrula ventricosa</i> Sb. <i>Bulla decussata</i> Wood.
342	118	<b>vestitus</b> <i>Hinds.</i>			
342	118	<b>Ranella cœlata</b> <i>Brod.</i> <i>R. semigranosa</i> Kien.	353	129	<b>Fusus bellus</b> <i>Ad.</i>
343	119	<b>nana</b> <i>Brod.</i>	353	129	<b>Fasciolaria granosa</b> <i>Br.</i>
344	120	<b>nitida</b> <i>Brod.</i>	354	130	<b>Turbinella cœstus</b> <i>Br.</i>
344	120	<b>plicata</b> <i>Rve.</i>	355	131	<b>castanea</b> <i>Gray.</i> <i>T. acuminata</i> Rve.
345	121	<b>Murex dubius</b> <i>Sowb.</i> <i>M. aculeatus</i> Wood.	355	131	<b>cerata</b> <i>Rve.</i>
345	121	<b>erosus</b> <i>Brod.</i>			

## [Annals of New York Lyceum and Panama Shells.]

ANN. P. S.		ANN. P. S.	
Pa.	Pa.	Pa.	Pa.
			<i>Clavatula rigida</i>
			[Hinds.
356	132	370	146 <b>Pleurotoma rudis</b> Sby.
356	132		<i>spadicea</i> Rve.
356	132	371	147 <b>rustica</b> Sowb.
357	133		<i>P. thiarella</i> Kien.
358	134	371	147 <b>striosa</b> Ad.
358	134	372	148 <b>zonulata</b> Rve.
359	135		<i>P. cincta</i> Sowb.
		372	148 ——— (a).
		372	148 ——— (b).
359	135	372	148 <b>Mangelia</b> ——— (c).
360	136	373	149 ——— (d).
361	137	373	149 ——— (e).
361	137	373	149 ——— (f).
362	138	373	149 <b>neglecta</b> Ad.
362	138	373	149 <b>sulcosa?</b> Sowb.
363	139		<i>Columbella sulcosa</i> Sb.
363	139	374	150 <b>Cerithium adustum</b> Kn.
364	140	374	150 <b>assimilatum</b> Ad.
364	140	375	151 <b>bimarginatum</b> Ad.
		376	152 <b>famelicum</b> Ad.
		376	152 <b>gemmatum</b> .
		377	153 <b>interruptum</b> .
		377	153 ——— (sp. ind.)
365	141	378	154 <b>irroratum</b> Gould.
365	141	378	154 <b>neglectum</b> Ad.
366	142	379	155 <b>Pacificum</b> Sowb.
366	142		<i>C. Humboldti</i> Val.
367	143	379	155 <b>pauperculum</b> Ad.
367	143	380	156 <b>pulchrum</b> Ad.
368	144	380	156 <b>Reevianum</b> Ad.
		381	157 <b>validum</b> Ad. [Ad.
368	144	382	158 <b>Triphoris alternatus</b>
		383	159 <b>inconspicuus</b> Ad.
369	145	383	159 <b>infrequens</b> Ad.
369	145		
370	146		
370	146		

Family **Littorinidæ.**

384	160	386	162 <b>Cœcum monstrosum</b>
385	161	387	163 <b>parvum</b> Ad. [Ad.
385	161	387	163 <b>pygmæum</b> Ad.
385	161	388	164 <b>Chemnitzia aculeus</b>
386	162	388	164 <b>acuminata</b> Ad. [Ad.
386	162	389	165 <b>affinis</b> Ad.
386	162		

## [Annals of New York Lyceum and Panama Shells.]

ANN. P. S.		ANN. P. S.		
Pa.	Pa.	Pa.	Pa.	
389	165	Chemnitzia clathra-	397 173	Littorina? foveata <i>Ad.</i>
		tula <i>Ad.</i>	398 174	? megasoma <i>Ad.</i>
390	166	communis <i>Ad.</i>	398 174	? parvula <i>Phil.</i>
391	167	gracilior <i>Ad.</i>	399 175	pulchra <i>Sowb.</i>
391	167	major <i>Ad.</i>		<i>Turbo pulcher</i> Swains.
391	167	marginata <i>Ad.</i>	400 176	puncticulata <i>Phil.</i>
392	168	Panamensis <i>Ad.</i>	400 176	varia <i>Sowb.</i>
392	168	similis <i>Ad.</i>	401 177	Rissoa clandestina <i>Ad.</i>
393	169	striosa <i>Ad.</i>	401 177	firmata <i>Ad.</i>
393	169	turrita <i>Ad.</i>	402 178	fortis <i>Ad.</i>
394	170	Littorina? anglostoma	402 178	? inconspicua <i>Ad.</i>
394	170	aspera <i>Phil.</i> [ <i>Ad.</i>	403 179	infrequens <i>Ad.</i>
395	171	atrata <i>Ad.</i>	403 179	Janus <i>Ad.</i>
396	172	conspersa <i>Ad.</i>	404 180	notabilis <i>Ad.</i>
396	172	? excavata <i>Ad.</i>	404 180	scalariformis <i>Ad.</i>
397	173	fasciata <i>Gray.</i>	405 181	—— (sp. ind.)

## Family Trochidae.

405	181	Cingula? inconspicua	414 190	Trochus catenulatus
405	181	paupercula <i>Ad.</i> [ <i>Ad.</i>		<i>Phil.</i>
406	182	? terebellum <i>Ad.</i>	415 191	coronulatus <i>Ad.</i>
406	182	? turrita <i>Ad.</i>	415 191	Leanus <i>Ad.</i>
407	183	Litiopa? saxicola <i>Ad.</i>	416 192	lima <i>Phil.</i>
407	183	Adeorbis? abjecta <i>Ad.</i>	416 192	lividus <i>Phil.</i>
408	184	Vitrinella concinna <i>Ad.</i>	417 193	Panamensis <i>Phil.</i>
408	184	exigua <i>Ad.</i>	417 193	pellis-serpentis <i>Wd.</i>
409	185	Janus <i>Ad.</i>		<i>Turbo pellis-serpentis</i>
410	186	minuta <i>Ad.</i>		<i>Val.</i>
410	186	modesta <i>Ad.</i>	418 194	reticulatus <i>Wood.</i>
410	186	Panamensis <i>Ad.</i>	419 195	Turbo Buschii <i>Phil.</i>
411	187	parva <i>Ad.</i>		<i>Trochus Buschii</i> <i>Phil.</i>
411	187	perparva <i>Ad.</i>		<i>inermis</i> <i>Kien.</i>
412	188	regularis <i>Ad.</i>	419 195	? phasianella <i>Ad.</i>
412	188	seminuda <i>Ad.</i>	420 196	rutilus <i>Ad.</i>
413	189	tricarinata <i>Ad.</i>	420 196	saxosus <i>Wood.</i>
413	189	valvatooides <i>Ad.</i>	421 197	Scalaria hexagona
414	190	Solarium (sp. ind. a.)	422 198	obtusa <i>Sowb.</i> [ <i>Sowb.</i>
414	190	—— (sp. ind. b.)	422 198	—— (sp. ind. a.)
414	190	—— (sp. ind. c.)	422 198	—— (sp. ind. b.)
			422 198	—— (sp. ind. c.)

[Annals of New York Lyceum and Panama Shells.]

Family **Eulimidæ.**

ANN. P. S.			ANN. P. S.		
Pa.	Pa.		Pa.	Pa.	
422	198	<b>Eulima</b> <i>iota</i> Ad.	423	199	<b>Eulima</b> <i>solitaria</i> Ad.
423	199	<i>recta</i> Ad.			

Family **Tornatellidæ.**

424	200	<b>Pyramidella</b> (sp. ind.)		424	200	<b>Pyramidella</b> <i>conica</i> Ad.
-----	-----	-------------------------------	--	-----	-----	--------------------------------------

Family **Neritidæ.**

425	201	<b>Natica</b> <i>Chemnitzii</i> Ad.	428	204	<b>Nerita</b> <i>scabricosta</i>
425	201	<i>lurida</i> ? Phil.			<i>Lam.</i>
425	201	<i>otis</i> Br. & Sowb.			<i>N. ornata</i> Sowb.
426	202	<b>Salangonensis</b> Recl.?			<i>Deshayesii</i> Recl.
426	202	<b>Souleyetiana</b> Recl.?			<i>multiungis</i> Mke.
427	203	<i>virginea</i> Recl.?	429	205	—— (sp. ind. a.)
427	203	—— (sp. ind. a.)	430	206	<b>Neritina</b> <i>Guayaqui-</i>
427	203	—— (sp. ind. b.)			<i>lensis</i> Sowb.
428	204	—— (sp. ind. c.)	430	206	<i>picta</i> Sowb.

Family **Auriculidæ.**

431	207	<b>Pedipes</b> <i>angulata</i> Ad.	434	210	<b>Pedipes</b> <i>stagnalis</i> D'Or.
432	208	<i>acuta</i> D'Orb.			<i>A. papillifera</i> Kien.
		<i>Marmula</i> <i>Recluziana</i>	435	211	<b>Tabogensis</b> Ad.
432	208	<i>concinna</i> Ad. [Cum.	436	212	<i>trilineata</i> Ad.
433	209	<i>infrequens</i> Ad.	436	212	—— (sp. ind.)
433	209	<i>Panamensis</i> Ad.			

Family **Cyclostomidæ.**

437	213	<b>Truncatella</b> <i>Bairdiana</i>	437	213	<b>Truncatella</b> ? <i>dubiosa</i>
		<i>Ad.</i>			<i>Ad.</i>

Family **Bullidæ.**

438	214	<b>Bulla</b> ( <i>Tornatina</i> ) <i>in-</i>	439	215	<b>Bulla</b> <i>punctulata</i> Sowb.
		<i>frequens</i> Ad.			<i>B. punctata</i> Ad.
439	215	( <i>Cylichna</i> ) <i>luticola</i>	439	215	—— (sp. ind.)
		<i>Ad.</i>			

Family **Vermetidæ.**

440	216	<b>Vermetus</b> <i>glomeratus</i> ? Rousseau.			<i>V. centriquadrus</i> Val.?
		<i>Serpula glomerata</i>	440	216	<b>Vermetus</b> <i>Panamensis</i>
		(var. <i>b.</i> , alt. exel.)			<i>Rousseau.</i>
		<i>Lam.</i>			

[Annals of New York Lyceum and Panama Shells.]

Family **Haliotidæ.**

ANN. P. S.		ANN. P. S.
Pa.	Pa.	Pa. Pa.
440	216	<b>Stomatella inflata</b> Ad.

Family **Calyptæidæ.**

441	217	<b>Hipponix</b> (sp. ind.)	449	225	<b>Crepidula cerithicola</b>
441	217	<b>barbata?</b> Sowb.			Ad.
442	218	<b>Panamensis</b> Ad.	450	226	( <i>Crepidatella</i> ) <b>echinus</b>
		<i>H. mitrula</i> Sowb.	450	226	<b>excavata</b> Brod. [Brod.
442	218	<b>radiata</b> Sowb.			<i>Calyptæa</i> ( <i>Crepidula</i> ) <b>excavata</b> Brod.
443	219	<b>Calyptæa aberrans</b> Ad.			
443	219	( <i>Syphopatella</i> ) <b>as-</b>	451	227	<b>hepatica?</b> Desh.
		<b>persa</b> Ad.	452	228	<b>incurva</b> Brod.
444	220	<b>cepeacea</b> Brod.			<i>Calyptæa</i> ( <i>Crepidula</i> ) <b>incurva</b> Brod.
444	220	( <i>Syphopatella</i> ) <b>conica</b>			
445	221	<b>dentata</b> Mke. [Brod.	453	229	<b>Lessonii</b> Brod.
		<i>C. rugosa</i> Rve.			<i>Calyptæa</i> ( <i>Crepidula</i> ) <b>Lessonii</b> Brod.
445	221	( <i>Calypeopsis</i> ) <b>hispida</b>			
		Brod.	453	229	<b>squama</b> Brod.
446	222	( <i>Calypeopsis</i> ) <b>imbri-</b>			<i>Calyptæa</i> ( <i>Crepidula</i> ) <b>squama</b> Brod.
		<b>cata</b> Brod.			
447	223	( <i>Calypeopsis</i> ) <b>macu-</b>	454	230	<b>unguiformis</b> Lam.
		<b>lata</b> Brod.			<i>C. italica</i> DeFr.
447	223	<b>planulata</b> Ad. [Brod.			<i>plana</i> Say.
447	223	( <i>Calypeopsis</i> ) <b>radiata</b>			<i>calceolina</i> Desh.
448	224	( <i>Syphopatella</i> ) <b>re-</b>			<i>dilatata</i> D'Orb.
		<b>gularis</b> Ad.			<i>Patella crepidula</i> Lin.
449	225	<b>umbrella</b> Desh.	458	234	<b>nivea</b> Ad.
		<i>C. rudis</i> Brod.	458	234	<b>osculans</b> Ad.
449	225	<b>unguis?</b>	459	235	<b>rostrata</b> Ad.

Family **Fissurellidæ.**

459	235	<b>Fissurella æqualis</b>	463	239	<b>Siphonaria costata</b> Sb.
460	236	<b>alta</b> Ad. [Sowb.	463	239	<b>gigas</b> Sowb.
460	236	<b>macrotrema</b> Sowb.	464	240	<b>maura</b> Sowb.
461	237	<b>microtrema</b> Sowb.	464	240	<b>pica?</b> Sowb.
461	237	<b>mus</b> Rve.	465	241	<b>Lottia patina?</b> Rathke.
461	237	<b>nigropunctata</b> Sowb.			<i>Acmaea patina</i> Rath.
462	238	<b>ostrina</b> Rve.	465	241	—— (sp. ind. a.)
462	238	<b>virescens</b> Sowb.	465	241	—— (sp. ind. b.)
463	239	<b>Siphonaria character-</b>	465	241	—— (sp. ind. c.)
		<b>istica</b> Rve.			



[Annals of New York Lyceum and Panama Shells.]

Family **Patellidæ.**

ANN. P. S.			ANN. P. S.		
Pa.	Pa.		Pa.	Pa.	
465	241	<b>Patella?</b> (sp. ind. a.)	466	242	<b>Chiton luridus?</b> Sowb.
466	242	<b>Chiton clathratus</b> Rve.	467	243	<b>pulchellus</b> Gray.
466	242	<b>dispar</b> Sowb.	467	243	<b>Stokesii</b> Brod.

Family **Ostræidæ.**

468	244	<b>Anomia lampe</b> Gray.	469	245	<b>Ostrea</b> — (sp. ind. b.)
469	245	<b>tenuis</b> Ad.	470	246	— (sp. ind. c.)
469	245	— (sp. ind. a.)	470	246	— (sp. ind. d.)
469	245	<b>Ostrea</b> — (sp. ind. a.)	470	246	— (sp. ind. e.)

Family **Pectenidæ.**

471	247	<b>Spondylus Lamarckii</b> <i>Chenu.</i>			<b>Pecten ventricosus</b> in errata.
471	247	— (sp. ind. a.)	472	248	<b>Tumbezensis</b> D'Orb.
471	247	<b>Pecten inca</b> D'Orb. <i>P. tumidus</i> Sowb. <i>ventricosus</i> Sowb.	472	248	<b>Lima angulata</b> Sowb.
			473	249	<b>Pacifica</b> D'Orb. <i>L. arcuata</i> Sowb.

Family **Aviculidæ.**

473	249	<b>Avicula margaritifera?</b>	474	250	<b>Perna</b> — (sp. ind. a.)
474	250	<b>sterna</b> Gould.	474	250	— (sp. ind. b.)

Family **Mytilidæ.**

474	250	<b>Pinna maura</b> Sowb.	476	252	<b>Modiola</b> — (sp. ind. a.)
475	251	<b>tuberculosa</b> Sowb.			
475	251	<b>Mytilus</b> — (sp. ind. a.)	476	252	— (sp. ind. b.)
475	251	<b>Lithodomus</b> — (sp. ind. a.)	476	252	— (sp. ind. c.)
			476	252	— (sp. ind. d.)
475	251	<b>Modiola semifusca?</b> Lk. <i>Mytilus Guiaënsis</i> Küst.	476	252	— (sp. ind. e.)

Family **Chamidæ.**

477	253	<b>Chama Buddiana</b> Ad.	478	254	<b>Chama echinata</b> Brod.
477	253	<b>corrugata?</b> Brod.			

Family **Arcidæ.**

478	254	<b>Nucula Elenensis</b> Sowb.	479	255	<b>Nucula polita</b> Sb. [Sb.]
479	255	<b>exigua</b> Sowb.	480	256	<b>Pectunculus assimilis</b>

## [Annals of New York Lyceum and Panama Shells.]

ANN. P. S.			ANN. P. S.		
Pa.	Pa.		Pa.	Pa.	
481	257	<b>Pectunculus macu-</b> <b>latus</b> <i>Brod.</i>	484	260	<b>Arca (Byussoarca) pho-</b> <b>ladiformis</b> <i>Ad.</i>
481	257	<b>Arca alternata</b> <i>Rve.</i> <i>Byussoarca alternata</i> Swb.	485	261	<b>Reeveana D'Orb.</b> <i>A. Helblingii</i> <i>Rve.</i>
481	257	<b>aviculoides?</b> <i>Sby.</i> <i>A. auriculata</i> Sowb.	485	261	<b>reversa</b> Sowb. <i>A. hemicardium</i> Koch.
482	258	<b>emarginata</b> Sowb.	485	261	<b>similis</b> <i>Ad.</i>
482	258	<b>gradata</b> <i>Brod. &amp; Sby.</i>	486	262	<b>solida</b> <i>Sby.</i> [Sowb. <i>Byussoarca solida</i>
483	259	<b>grandis</b> <i>Brod. &amp; Sby.</i>	486	262	<b>(Byussoarca) Tabo-</b> <b>gensis</b> <i>Ad.</i>
483	259	<b>mutabilis</b> <i>Sby.</i> [Sowb. <i>Byussoarca mutabilis</i>	487	263	<b>tuberculosa</b> Sowb.
			488	264	—— (sp. ind. a.)

Family **Cardiidae.**

488	264	<b>Cardita affinis</b> Sowb. <i>C. nodulosa</i> Val.?	491	267	<b>Cardium obovale</b> <i>Br.</i> <i>&amp; Sowb.</i>
489	265	<b>laticosta</b> <i>Sb.</i> <i>C. arcella</i> Val.	491	267	<b>planicostatum</b> Sowb.
489	265	<b>radita</b> Sowb.	491	267	<b>procerum</b> Sowb.
490	266	<b>Cardium graniferum</b> <i>Brod. &amp; Sowb.</i>	492	268	<b>senticosum</b> Sowb. <i>C. rastrum</i> <i>Rve.</i>

Family **Veneridae.**

493	269	<b>Venus amathusia</b> <i>Phil.</i>	496	272	<b>Cytherea auruntiaca</b> <i>Sowb.</i>
493	269	<b>discors</b> Sowb.			<i>C. aurantia</i> Hanley.
493	269	<b>gnidia</b> <i>Brod. et Sowb.</i>	496	272	<b>consanguinea</b> <i>Ad.</i>
494	270	<b>multicostata</b> Sowb. <i>V. Thouarsi</i> Val.	497	273	<b>radiata</b> Sowb.
494	270	<b>pectunculoides</b> <i>Val.</i>	497	273	<b>squalida</b> Sowb. <i>C. biradiata</i> Gray.
495	271	<b>subrugosa</b> Sowb. <i>Cytherea subsulcata?</i> Mke.	498	274	<b>Artemis Dunkeri</b> <i>Rve.</i> <i>Cytherea Dunkeri</i> Ph. <i>Artemis Pacifica</i> Tros.
495	271	—— (sp. ind. a.)	499	275	<b>saccata</b> Gould.
495	271	—— (sp. ind. b.)	499	275	<b>Gouldia Pacifica</b> <i>Ad.</i>
496	272	<b>Cytherea affinis</b> Sowb.	499	275	<b>Cyrena maritima</b> <i>Ad.</i>

Family **Tellenidae.**

500	276	<b>Lucina tellinoides</b> <i>Rve.</i>	501	277	<b>Donax gracilis</b> <i>Hanl.</i>
500	276	<b>Capsa altior</b> Sowb.	502	278	<b>navicula</b> <i>Hanl.</i>
501	277	<b>Donax assimilis</b> <i>Hanl.</i>	502	278	<b>rostratus</b> <i>Ad.</i>

## [Annals of New York Lyceum and Panama Shells.]

ANN. P. S.		ANN. P. S.	
Pa.	Pa.	Pa.	Pa.
503	279	<b>Tellina aurora</b> Hanl.	507 283 <b>Tellina puella</b> Ad.
503	279	<b>cognata</b> Ad.	507 283 <b>rubescens</b> Hanl.
504	280	<b>Columbiensis</b> Hanl.	508 284 <b>siliqua</b> Ad.
504	280	<b>concinna</b> Ad.	508 284 <b>simulans</b> Ad.
505	281	<b>crystallina</b> Chemn.	<i>T. punicea</i> part Hanl.
505	281	<b>Cumingii</b> Hanl.	509 285 <b>sincera</b> Hanl.
506	282	<b>Dombei</b> Hanl.	509 285 <b>vicina</b> Ad.
506	282	<b>felix</b> Hanl.	510 286 ——— (sp. ind. a.)
506	282	<b>laceridens</b> Hanl.	510 286 ——— (sp. ind. b.)
507	283	<b>prora</b> Hanl.	510 286 ——— (sp. ind. c.)

Family **Petricolidæ.**

510 286	<b>Petricola cognata</b> Ad.		511 287	<b>Saxicava tenuis?</b> Sowb.
---------	------------------------------	--	---------	-------------------------------

Family **Mastridæ.**

511 287	<b>Cumingia coarctata</b> Sb.		515 291	<b>Amphidesma tor-</b>
512 288	<b>trigonalis</b> Sowb.			<b>tuosum</b> Ad.
512 288	—— (sp. ind. a.)		516 292	<b>ventricosum</b> Ad.
512 288	—— (sp. ind. b.)		516 292	<b>Crassatella gibbosa</b> Sb.
512 288	—— (sp. ind. c.)		517 293	<b>Mulinia donaciformis</b>
512 288	—— (sp. ind. d.)		517 293	<b>ventricosa</b> Gld. [Hanl.
512 288	<b>Amphidesma bicolor</b>			<i>Lutraria ventricosa</i>
513 289	<b>ellipticum</b> Sowb.? [Ad.			Gould.
513 289	<b>proximum</b> Ad.		517 293	<b>Lutraria elegans</b> Sby.
514 290	<b>pulchrum</b> Sowb.			<i>Mastra elegans</i> Sowb.
515 291	<b>striosum</b> Ad.		518 294	<b>Mastra velata</b> Phil.

Family **Corbulidæ.**

518 294	<b>Anatina alta</b> Ad.		522 298	<b>Corbula obesa</b> Hinds.
519 295	<b>Pandora cornuta</b> Ad.		522 298	<b>ovulata</b> Sowb.
519 295	<b>Potamomya æqualis</b>		523 299	<b>rubra</b> Ad.
520 296	<b>inflata</b> Ad. [Ad.		523 299	<b>tenuis</b> Ad.
520 296	<b>trigonalis</b> Ad.		524 300	—— (sp. ind. a.)
521 297	<b>Corbula bicarinata</b> Sb.		524 300	—— (sp. ind. b.)
521 297	<b>biradiata</b> Sowb.			

Family **Solenidæ.**

524 300	<b>Solecortus affinis</b> Ad.		524 300	<b>Solen rudis</b> Ad.
---------	-------------------------------	--	---------	------------------------

[Annals of New York Lyceum and Panama Shells.]

Family **Pholadidæ.**

ANN. P. S.	Pa.	Pa.	ANN. P. S.	Pa.	Pa.
525	301	<b>Pholas crucigera</b> Sowb.			<i>Penitella xylophaga?</i>
526	302	<b>tubifera</b> Sowb.			Val.
526	302	<b>xylophaga</b> Val.	526	302	<b>Pholas</b> — (sp. ind. a.)
			526	302	— (sp. ind. b.)

CLASS **BRACHIOPODA.**527 303 **Orbicula Cumingii** Brod.

## SYNOPSIS OF NEW SPECIES.

528	304	<b>Ovula neglecta</b> Ad.	532	308	<b>Pleurotoma atrior</b> Ad.
528	304	<b>variabilis</b> Ad.	532	308	<b>concinna</b> Ad.
528	304	<b>Marginella minor</b> Ad.	532	308	<b>exigua</b> Ad.
528	304	<b>Mitra solitaria</b> Ad.	532	308	<b>gemulosa</b> Ad.
528	304	<b>Oliva inconspicua</b> Ad.	532	308	<b>grandimaculata</b> Ad.
528	304	<b>Nassa canescens</b> Ad.	533	309	<b>striosa</b> Ad.
529	305	<b>collaria</b> Ad.	533	309	<b>Mangelia neglecta</b> Ad.
529	305	<b>corpulenta</b> Ad.	533	309	<b>Cerithium assimilatam</b>
529	305	<b>gemmulosa</b> Ad.			[Ad.]
529	305	<b>glauca</b> Ad.	533	309	<b>bimarginatum</b> Ad.
529	305	<b>Panamensis</b> Ad.	533	309	<b>famelicum</b> Ad.
529	305	<b>proxima</b> Ad.	533	309	<b>neglectum</b> Ad.
529	305	<b>striata</b> Ad.	533	309	<b>pauperculum</b> Ad.
529	305	<b>versicolor</b> Ad.	534	310	<b>pulchrum</b> Ad.
530	306	<b>Wilsoni</b> Ad.	534	310	<b>Reevianum</b> Ad.
530	306	<b>Buccinella lugubre</b> Ad.	534	310	<b>validum</b> Ad. [Ad.]
530	306	<b>Stimpsonianum</b> Ad.	534	310	<b>Triphoris alternatus</b>
530	306	<b>Purpura foveolata</b> Ad.	534	310	<b>inconspicuus</b> Ad.
530	306	<b>osculans</b> Ad. [Ad.]	534	310	<b>infrequens</b> Ad.
530	306	<b>Columbella conspicua</b>	534	310	<b>Cœcum diminutum</b> Ad.
530	306	<b>diminuta</b> Ad.	535	311	<b>eburneum</b> Ad.
531	307	<b>gracilis</b> Ad.	535	311	<b>firmatum</b> Ad.
531	307	<b>mœsta</b> Ad.	535	311	<b>læve</b> Ad.
531	307	<b>pulchrior</b> Ad.	535	311	<b>laqueatum</b> Ad.
531	307	<b>tesselata</b> Ad.	535	311	<b>monstruosum</b> Ad.
531	307	<b>Ricinula jugosa</b> Ad.	535	311	<b>parvum</b> Ad.
531	307	<b>Triton fusoides</b> Ad.	535	311	<b>pygmæum</b> Ad.
531	307	<b>Fusus bellus</b> Ad.	535	311	<b>Chemnitzia aculeus</b> Ad.
532	308	<b>Cancellaria affinis</b> Ad.	535	311	<b>acuminata</b> Ad.
532	308	<b>pygmæa</b> Ad.	535	311	<b>affinis</b> Ad.

## [Annals of New York Lyceum and Panama Shells.]

ANN. P. S.		ANN. P. S.	
Pa.	Pa.	Pa.	Pa.
535	311	541	317
536	312	541	317
536	312	541	317
536	312	541	317
536	312	542	318
536	312	542	318
536	312	542	318
536	312	542	318
536	312	542	318
536	312	542	318
537	313	542	318
537	313	542	318
537	313	543	319
537	313	543	319
537	313	543	319
537	313	543	319
537	313	543	319
537	313	543	319
537	313	543	319
538	314	543	319
538	314	543	319
538	314	543	319
538	314	543	319
538	314	544	320
538	314	544	320
538	314	544	320
538	314	544	320
538	314	544	320
539	315	544	320
539	315	544	320
539	315	544	320
539	315	544	320
539	315	544	320
539	315	545	321
540	316	545	321
540	316	545	321
540	316	545	321
540	316	545	321
540	316	545	321
540	316	545	321
540	316	545	321
540	316	545	321
540	316	545	321
541	317	546	322
541	317	546	322
541	317	546	322

## [Annals of New York Lyceum and Panama Shells.]

ANN. P. S. Pa. Pa.		ANN. P. S. Pa. Pa.	
546 322	<b>Tellina simulans</b> <i>Ad.</i>	547 323	<b>Anatina alta</b> <i>Ad.</i>
546 322	<i>vicina</i> <i>Ad.</i>	547 323	<b>Pandora cornuta</b> <i>Ad.</i>
546 322	<b>Petricola cognata</b> <i>Ad.</i>	547 323	<b>Potamomya æqualis</b>
547 323	<b>Amphidesma bicolor</b>	548 324	<i>inflata</i> <i>Ad.</i> [Ad.]
547 323	<i>proximum</i> <i>Ad.</i> [ <i>Ad.</i> ]	548 324	<i>trigonalis</i> <i>Ad.</i>
547 323	<i>striosum</i> <i>Ad.</i>	548 324	<b>Corbula rubra</b> <i>Ad.</i>
547 323	<i>tortuosum</i> <i>Ad.</i>	548 324	<b>Solecurtus affinis</b> <i>Ad.</i>
547 323	<i>ventricosum</i> <i>Ad.</i>	548 324	<b>Solen rudis</b> <i>Ad.</i>

Vol. vi, pt. 1. May, 1853.

Page.

14 **Redfield.**—Descriptions of new species of Helicidæ: by JOHN H. REDFIELD.

14 **Bulimus lentiginosus** *Redfield.* Trinidad.

15 **Siamensis** *Redfield.* Siam.

16 **Helix circumfirmata** *Redfield.* Bermuda.

17 Note on—

Geographical distribution of **Bulimus ventricosus** *Fer.*

18 **Newcomb.**—Descriptions of new species of Achatinella from Sandwich Islands: by Dr. W. NEWCOMB.

18	<b>Achatinella violacea</b> <i>Newc.</i>	Molokai.
19	<i>tessellata</i> <i>Newc.</i>	Molokai.
19	<i>Adamsi</i> <i>Newc.</i>	Makawao, Maui.
20	<i>splendida</i> <i>Newc.</i>	Waialukee, Maui.
21	<i>Gouldi</i> <i>Newc.</i>	Waialukee, Maui.
21	<i>rufa</i> <i>Newc.</i>	Molokai.
22	<i>Redfieldi</i> <i>Newc.</i>	Maui.
22	<i>ovata</i> <i>Newc.</i>	Oahu.
23	<i>dubia</i> <i>Newc.</i>	Oahu.
24	<i>polita</i> <i>Newc.</i>	Molokai.
24	<i>obesa</i> <i>Newc.</i>	Maui.
25	<i>Cumingii</i> <i>Newc.</i>	Maui.
25	<i>Pfeifferi</i> <i>Newc.</i>	Molokai.
26	<i>elongata</i> <i>Newc.</i>	Oahu.
27	<i>Helena</i> <i>Newc.</i>	Molokai.
27	<i>labiata</i> <i>Newc.</i>	Oahu.
28	<i>mucronata</i> <i>Newc.</i>	Molokai.
28	<i>fusca</i> <i>Newc.</i>	Oahu.
29	<i>lineolata</i> <i>Newc.</i>	E. Maui.
29	<i>grana</i> <i>Newc.</i>	E. Maui.

[Annals of New York Lyceum.]

Pa.

- 35 **Fairbank.**—Observations on the animal of *Rotella Lam.*: by Rev. S. B. FAIRBANK, of Bombay. (With a fig.)

Vol. vi, pt. 2-4. 1854.

- 68 **Shuttleworth.**—Catalogue of the Terrestrial and Fluvial Shells of St. Thomas, West Indies: by R. J. SHUTTLEWORTH, &c.

[In the remarks are also additional notes on synonymy and habitat.—W. G. B.]

Pa.

- 68 **Helix vortex** Pfr.  
 68 **subaquila** Sh.  
 68 **euclasta** Sh.  
 69 **Gundlachi** Pfr.  
 69 **incerta** Pfr.  
 69 **nemoralina** Petit.  
 69 **Bulimus virgulatus** Fer.  
 69 **fraterculus** Fer.  
 69 **Guadalupensis** Brug.  
 70 **Stenogyra subula** Pfr.  
 70 **octonoides** Ad.  
 70 **Goodalli** Müll.  
 70 **Swiftiana** Pfr.  
 70 **octona** Chemn.  
 70 **Achatina subtilis** Pfr.  
 70 **Gundlachi** Pfr.  
 70 **Spiraxis ejuncida** Sh.  
 71 **Pupa servilis** Gld. [Pfr.  
 71 **Macroceramus microdon**  
 71 **Cylindrella pallida** Guild.  
 71 **Succinea approximans** Sh.  
 71 **Cyclostoma (Megal.) antillarum** Sowb.

Pa.

- 71 **Cyclostoma (Chondropoma) Newcombianum** Ad.  
 71 **Helicina subfusca** Mke.  
 72 **foveata** Pfr.  
 72 **var. rubella.**  
 72 **Truncatella subcylindrica**  
 72 **pulchella** Pfr. [Gray.  
 72 **clathrus** Lowe.  
 72 **Planorbis decipiens** Ad.?  
 72 **circumlineatus** Sh.  
 72 **Physa Sowerbyana** D'Orb.  
 72 **striata** D'Orb.  
 72 **Ancylus obscurus** Hald.  
 73 **Amnicola crystallina** Pfr.  
     *Paludestrina coronata* Pfr.  
 73 **Neritina virginea** Linn.  
 73 **meleagris** Lam.  
 73 **viridis** Lam.  
 73 **Melampus coniformis** Brug.  
 73 **monilis** Lam.  
 73 **nitens** Lam.  
 73 **Pedipes quadridens** Pfr.  
 73 **Odostomia (Tornatellina) Cubensis** Pfr.

[Most of the above species are also said to inhabit Porto Rico.—W. G. B.]

- 74 **Bland.**—Note on the geographical distribution of the Terrestrial Mollusks which inhabit the Island of St. Thomas, West Indies: by T. BLAND.

[The following species are named.—W. G. B.]—

- |                         |                               |
|-------------------------|-------------------------------|
| 74 <b>Helix vortex.</b> | 74 <b>Bulimus virgulatus.</b> |
| 74 <b>Gundlachi.</b>    | 74 <b>Guadalupensis</b> Brug. |
| 74 <b>nemoralina.</b>   | 74 <b>fraterculus.</b>        |
| 74 <b>euclasta.</b>     | 74 <b>Achatina Gundlachi.</b> |
| 74 <b>incerta.</b>      | 74 <b>Spiraxis? ejuncida.</b> |
| 74 <b>notabilis.</b>    | 74 <b>Pupa servilis.</b>      |

[Annals of New York Lyceum.]

Page.		Page.
74	<b>Macroceramus microdon.</b>	74 <b>Cyclostoma Newcombi-</b>
74	<b>Cylindrella pallida.</b>	anum.
74	<b>Cyclostoma Antillarum.</b>	74 <b>Helicina subfusca.</b>
		74 <b>foveata.</b>

- 75 **Bland.**—On the absorption of parts of the internal structure of their Shells by the animals of *Stoastoma*, *Lucidella*, *Trochatella*, *Helicina*, and *Proserpina*: by T. BLAND.

[A list of the species examined is given.—W. G. B.]

76	<b>Helicina maxima</b> Sowb.	76 <b>Stoastoma pisum</b> Ad.
76	<b>albolabris</b> Ad.	76 <b>Proserpina pulchra</b> Ad.
76	<b>palliata</b> Ad.	76 <b>nitida</b> Sowb.
76	<b>Hollandi</b> Ad.	76 <b>pisum</b> Ad.
76	<b>neritella</b> Lam.	76 <b>globulosa</b> D'Orb.
76	<b>Lucidella aureola</b> Gray.	76 <b>depressa</b> D'Orb.
76	<b>Trochatella Tankervillei</b>	76 <b>bidentata</b> D'Orb.
76	<b>pulchella</b> Gray. [Gray.]	

- 77 **Bland.**—On *Proserpina opalina* C. B. Ad., and *Helix Proserpinula* Pfr.: by T. BLAND.

78	<b>Helix infortunata</b> Bland.	<i>H. margarita</i> Pfr.
	<i>H. hyalina</i> Ad.	<i>Odontostoma opalinum</i> Pfr.
	<i>opalina</i> Ad.	<i>Proserpina opalina</i> Pfr.

Vol. vi. April, 1854.

Pa. Pl. Fig.

- 131 **J. H. Redfield.**—(Vide p. 240.)

- 131 i 7 **Cyclostoma inornatum** Redf. Guadeloupe.

Vol. vi, No. 5. Oct. 1855.

Page.

- 142 **Newcomb.**—Descriptions of new species of *Achatinella*: by W. NEWCOMB, M. D.

142	<b>Achatinella zebra</b> Newc.	East Maui.
143	<b>humilis</b> Newc.	Kalai, Molokai.
143	<b>petricola</b> Newc.	Molokai.
144	<b>fusoides</b> Newc.	East Maui.
144	<b>pusilla</b> Newc.	Ranai.
145	<b>Dwightii</b> Newc.	Molokai.
146	<b>Remyi</b> Newc.	Ranai.
147	<i>Wheatleyi</i> Newc. = <b>A. vidua</b> Pfr.	
147	<i>oviformis</i> Newc. = <b>A. Sowerbyana</b> Pfr.	



[Annals of New York Lyceum.]

Vol. vi. 1855.

Pa. Pl. Fig.

- 147 **Bland.**—Notes on—
- 147 Certain Terrestrial Mollusks which inhabit the West Indies: by T. BLAND.
- 147 On the occurrence of *Pupa bicolor* *Hutton*, in the Island of St. Thomas.
- 148 On the animal of *Proserpina*.
- 150 On the structure of the axis of the shell of *Cylindrella*.
- 150 v 19 **Cylindrella elatior.**
- 150 *tenera* C. B. Ad.
- 151 *tenella* C. B. Ad.
- 151 v 16 *Agnesiana* C. B. Ad.
- 151 v 17 *pruinosa* Mor.
- 151 v 18 *strangulata* Poey.
- 151 *Oviedoiana* D'Orb.
- 151 **Proserpina opalina.**
- 151 **Bland.**—Corrections and additional facts, especially as to the habitat of sundry species.
- 151 **Helix Cassaquiensis** *Newc.* Demarara.
- 152 *cognata* *Fer.* Jamaica.
- 152 *conspersula* *Pfr.* Jamaica.
- 152 *cornu-militare* *L.* Dominican Republic.
- 152 *formosa* *Fer.* Antigua.
- 152 *orbiculata* *Fer.* Sta. Lucia.
- 152 *Pallasiana* *Pfr.* Bonin Island?
- 153 *penicillata* Gld. = **H. Cubensis** *Pfr.*
- 153 *Sagraiana* *D'Orb.* Mts. betw. Guajaibon
- 153 *similaris* *Fer.* Barbadoes. [& Rangel.
- 153 **Bulimus aulacostylus** *Pfr.* Sta. Lucia, Trinidad,  
*B. lentiginosus* Redf. [Demarara.
- 154 **Cylindrella tricolor** *Pfr.* Jamaica.  
*C. Maugeri* (var.) *raphinina* Chitty.
- 154 **Cyclostoma versicolor** *Pfr.* Jamaica.
- 154 *rufilabrum* *Beck.* St. Croix.  
*C. bilabre* Mke.
- 154 **Beauianum** *Petit.* Guadaloupe.  
*C. inornatum* Redf.

[Annals of New York Lyceum.]

- | Pa. | Pl. | Fig.  |  |                 |
|-----|-----|-------|--|-----------------|
| 155 |     |       | <b>Chitty.</b> —Descriptions of two new species of <i>Cylindrella</i> , from Jamaica, West Indies : by the Hon. E. CHITTY, &c. |                 |
| 155 | v   | 1, 2  | <b><i>Cylindrella megaheila</i></b> <i>Chitty.</i>   | Hanover Parish. |
| 156 | v   | 3, 4  | <b><i>amethystina</i></b> <i>Chitty.</i>   | Hanover Parish. |
| 156 |     |       | <b><i>amethystina</i></b> <i>Chitty</i> (var.) <b><i>cerina</i></b> .  |                 |
| 156 |     |       | <b><i>Baquiæana</i></b> <i>Chitty.</i>   | Jamaica.        |
|     |     |       | <i>C. Adamsiana</i> <i>Chitty.</i>   |                 |
| 156 |     |       | <b><i>Leptinaria</i></b> ——— ?   |                 |
| 157 |     |       | <b>Haines.</b> —Descriptions of five new species of Terrestrial Shells from Siam : by WILLIAM A. HAINES.                       |                 |
| 157 | v   | 12-15 | <b><i>Cyclostoma Housei</i></b> <i>Haines.</i>   | Siam.           |
| 157 | v   | 9-11  | <b><i>Myersii</i></b> <i>Haines.</i>   | Siam.           |
| 158 | v   | 5-8   | <b><i>distortum</i></b> <i>Haines.</i>   | Siam.           |
| 158 |     |       | <b><i>Vitrina Siamensis</i></b> <i>Haines.</i>   | Siam.           |
| 158 |     |       | <b><i>Helix distincta</i></b> <i>Pfr.</i>  | Siam.           |

Vol. vi, No. 6. Dec. 1856.

- | Pa. | Pl. | Fig. |  |  |
|-----|-----|------|--|--|
| 173 |     |      | <b>Gulick.</b> —Descriptions of new species of <i>Achatinella</i> from the Hawaiian Islands : by J. T. GULICK. |  |
|     |     |      | [The exact localities are given.—W. G. B.]   |  |
| 173 | vi  | 1    | <b><i>Achatinella leucochila</i></b> <i>Gulick.</i>  |  |
| 174 | vi  | 2    | <b><i>resinula</i></b> <i>Gulick.</i>  |  |
| 175 | vi  | 3    | <b><i>lagna</i></b> <i>Gulick.</i>   |  |
| 176 | vi  | 4    | <b><i>lacrima</i></b> <i>Gulick.</i>   |  |
| 177 | vi  | 5    | <b><i>costulata</i></b> <i>Gulick.</i>   |  |
| 178 | vi  | 6    | <b><i>striatella</i></b> <i>Gulick.</i>  |  |
| 179 | vi  | 7    | <b><i>marginata</i></b> <i>Gulick.</i>   |  |
| 180 | vi  | 8    | <b><i>fuscula</i></b> <i>Gulick.</i>   |  |
| 181 | vi  | 9    | <b><i>fumida</i></b> <i>Gulick.</i>  |  |
| 182 | vi  | 10   | <b><i>gummea</i></b> <i>Gulick.</i>  |  |
| 183 | vi  | 11   | <b><i>fragilis</i></b> <i>Gulick.</i>  |  |
| 184 | vi  | 12   | <b><i>triticea</i></b> <i>Gulick.</i>  |  |
| 185 | vi  | 13   | <b><i>granifera</i></b> <i>Gulick.</i>   |  |
| 186 | vi  | 14   | <b><i>crystallina</i></b> <i>Gulick.</i>   |  |
| 187 | vi  | 15   | <b><i>saxatilis</i></b> <i>Gulick.</i>   |  |
| 188 | vi  | 16   | <b><i>exilis</i></b> <i>Gulick.</i>  |  |
| 189 | vi  | 17   | <b><i>petila</i></b> <i>Gulick.</i>  |  |
| 190 | vi  | 18   | <b><i>octogyrata</i></b> <i>Gulick.</i>  |  |
| 191 | vi  | 19   | <b><i>subula</i></b> <i>Gulick.</i>  |  |
| 192 | vi  | 20   | <b><i>turrita</i></b> <i>Gulick.</i>   |  |

[Annals of New York Lyceum.]

Pa.	Pl.	Fig.	
193	vi	21	<b>Achatinella terebralis</b> <i>Gulick.</i>
194	vi	22	<b>stiria</b> <i>Gulick.</i>
194	vi	23	<b>vitrea</b> <i>Gulick.</i>
195	vi	24	<b>parvula</b> <i>Gulick.</i>
196	vi	25	<b>platystyla</b> <i>Gulick.</i>
197	vi	26	<b>peza</b> <i>Gulick.</i>
198	vi	27	<b>lactea</b> <i>Gulick.</i>
199	vi	28 <sup>a, b</sup>	<b>eburnea</b> <i>Gulick.</i>
200	vii	29	<b>ampulla</b> <i>Gulick.</i>
201	vii	30	<b>fasciata</b> <i>Gulick.</i>
202	vii	31 <sup>a, b</sup>	<b>Baileyana</b> <i>Gulick.</i>
204	vii	32	<b>pyramidalis</b> <i>Gulick.</i>
205	vii	33	<b>undosa</b> <i>Gulick.</i>
207	vii	34 <sup>a, e</sup>	<b>induta</b> <i>Gulick.</i>
209	vii	35	<b>lignaria</b> <i>Gulick.</i>
210	vii	36	<b>crocea</b> <i>Gulick.</i>
211	vii	37	<b>ustulata</b> <i>Gulick.</i>
212	vii	38	<b>talpina</b> <i>Gulick.</i>
213	vii	39	<b>plumbea</b> <i>Gulick.</i>
214	vii	40	<b>phacozona</b> <i>Gulick.</i>
217	vii	41	<b>plumata</b> <i>Gulick.</i>
220	vii	42 <sup>a, b</sup>	<b>diversa</b> <i>Gulick.</i>
222	vii	43	<b>varia</b> <i>Gulick.</i>
			<i>A. vulpina</i> Rve. non Fer.
224	vii	44 <sup>a, b</sup>	<b>versipellis</b> <i>Gulick.</i>
225	vii	45	<b>cucumis</b> <i>Gulick.</i>
226	vii	46	<b>trilineata</b> <i>Gulick.</i>
227	vii	47	<b>analoga</b> <i>Gulick.</i>
229	vii	48	<b>papyracea</b> <i>Gulick.</i>
230	vii	49	<b>juncea</b> <i>Gulick.</i>
Vol. vi, No. 7. Feb. 1858.			
231	viii	50	<b>delta</b> <i>Gulick.</i>
232	viii	51	<b>glauca</b> <i>Gulick.</i>
233	viii	52	<b>herbacea</b> <i>Gulick.</i>
234	viii	53	<b>cæsia</b> <i>Gulick.</i>
234	viii	54	<b>concidens</b> <i>Gulick.</i>
235	viii	55	<b>formosa</b> <i>Gulick.</i>
236	viii	56	<b>dimorpha</b> <i>Gulick.</i>
237	viii	57	<b>albescens</b> <i>Gulick.</i>
238	viii	58	<b>zonata</b> <i>Gulick.</i>
239	viii	59	<b>contracta</b> <i>Gulick.</i>
240	viii	60	<b>cognata</b> <i>Gulick.</i>
241	viii	61	<b>scitula</b> <i>Gulick.</i>
241	viii	62	<b>cervina</b> <i>Gulick.</i>

[Annals of New York Lyceum.]

Pa.	Pl.	Fig.	Notes on—
243			<i>A. vulpina</i> Fer. <i>A. producta</i> Rve. <i>A. bilineata</i> Rve.
243			<i>A. vulpina</i> Rve. = <i>A. varia</i> Gulick.
243			<i>A. livida</i> Swains.
243			<i>A. Stewartii</i> Green.
243			<i>A. venulata</i> Newc. = <i>A. vulpina</i> .
243			<i>A. hybrida</i> Newc. = <i>A. vulpina</i> .
243			<i>A. venulata</i> (var. <i>a</i> ) = <i>A. Stewartii</i> .
243			<i>A. Johnsonii</i> Newc. = <i>A. Byronii</i> .
243			<i>A. aplustre</i> Newc. = <i>A. Byronii</i> .
243			<i>A. pulcherrima</i> = <i>A. Byronii</i> .
243			<i>A. livida</i> Swains.
244			<i>A. lorata</i> Rve. = <i>pulcherrima</i> Swains, &c. &c.
245	viii	63	<i>Achatinella obliqua</i> Gulick.
246	viii	64	<i>oomorpha</i> Gulick.
247	viii	65	<i>spadicea</i> Gulick.
248	viii	66	<i>corrugata</i> Gulick.
249	viii	67	<i>rotunda</i> Gulick.
250	viii	68	<i>torrida</i> Gulick.
251	viii	69	<i>nympha</i> Gulick.
252	viii	70 <sup>a, b</sup>	<i>limbata</i> Gulick.
253	viii	71	<i>bulbosa</i> Gulick.
254	viii	72	<i>mahogani</i> Gulick.
254	viii	73	<i>virens</i> Gulick.
255			<b>Gill.</b> —Description of a new species of the genus <i>Cypræa</i> Linn. : by THEO. GILL.
256	ix	1-3	<i>Cypræa notata</i> Gill. East Indies.
Vol. vi, No. 8. Sept. 1858.			
Page.			
303			<b>Newcomb.</b> —Synopsis of the genus <i>Achatinella</i> : by W. NEWCOMB, M. D.
305	<i>Achatinella textilis</i> Fer.		Page. <i>A. diversa</i> Gulick.
	<i>A. ventulus</i> Rve.		<i>varia</i> Gulick.
	<i>microstoma</i> Gould.		<i>analoga</i> Gulick.
	<i>ventulus</i> Pfr.		<i>virens</i> Gulick.
306	<i>ventulus</i> Fer.		<i>livida</i> Pfr. not Swains.
	<i>A. melampoides</i> Pfr.	307	<b><i>Achatinella gravida</i> Fer.</b>
306	<i>vulpina</i> Fer.		<i>A. suffusa</i> Rve.
	<i>A. Stewarti</i> Green.		<i>Dimondi</i> C. B. Ad.

[Annals of New York Lyceum.]

Page.		Page.	
307	<b>Achatinella spirizona</b> Fer.		<i>A. ustulata</i> Gulick.
	<i>A. acuta</i> Swains.	311	<b>Achatinella picta</b> Migh.
307	<b>turritella</b> Fer.		<i>A. bulbosa</i> Gulick.
	<i>A. Oahuensis</i> Green.		<i>picta</i> Pfr.
	<i>inornata</i> Migh.	311	<b>venusta</b> Migh.
307	<b>decora</b> Fer.	312	<b>citrina</b> Migh.
	<i>A. vestita</i> Migh.	312	<b>plicata</b> Migh.
	<i>perversa</i> Pfr. not Sw.		<i>Bulimus liratus</i> Pfr.
	<i>simulans</i> Pfr. [Rve.	312	<b>nubilosa</b> Migh.
	<i>lugubris</i> (var.) Pf. not	312	<b>virgulata</b> Migh.
	<i>vittata</i> Pfr. not Rve.		<i>A. Rohri</i> Pfr.
308	<b>tristis</b> Fer.		<i>Bulimus Rohri</i> Pfr.
	<i>A. fuliginosa</i> Gould.		<i>A. insignis</i> Migh.
308	<b>lugubris</b> Chemn.	312	<b>viridans</b> Migh.
	<i>A. pica</i> Swains.		<i>A. radiata</i> Pfr.
	<i>Monodonta seminigra</i> Lk.		<i>radiata</i> Rve.
	<i>Bulimus seminiger</i> Mke.		<i>rutila</i> Pfr. not Newc.
308	<b>luteola</b> Fer.		<i>sub-virens</i> Pfr. not
308	<b>pulcherrima</b> Swains.		Newc.
	<i>A. mahogani</i> Gulick.		<i>decipiens</i> Pfr. not
	<i>napus</i> Pfr.	313	<b>mustelina</b> Migh. [Newc.
309	<b>perversa</b> Swains.		<i>A. lorata</i> (var. $\beta$ ) Pfr.
	<i>A. concidens</i> Gulick.	313	<b>cingula</b> Migh.
	<i>cinnamomea</i> Pfr.	313	<b>radiata</b> Gould.
309	<b>rosea</b> Swains.		<i>A. dubia</i> Pfr. not Newc.
309	<b>livida</b> Swains. [Migh.		<i>grisea</i> Pfr. not Newc.
	<i>A. viridans</i> Rve. not		<i>Partula radiata</i> Pfr.
	<i>Reevei</i> C. B. Ad.		<i>Bulimus Gouldi</i> Pfr.
	<i>Emersonii</i> Newc.		<i>Partula densilineata</i> Rve.
	<i>glauca</i> Gulick.	314	<b>rubens</b> Gould.
310	<b>bulimoides</b> Swains.		<i>A. rubens</i> Rve.
	<i>A. obliqua</i> Gulick.		<i>Mastersii</i> Pfr.
	<i>oomorpha</i> Gulick.	314	<b>nucleola</b> Gould.
	<i>bulimoides</i> Rve.		<i>A. brevis</i> Pfr.
310	<b>lorata</b> Fer.	315	<b>striatula</b> Gould.
	<i>A. pallida</i> Nutt.		<i>A. clara</i> Pfr.
	<i>alba</i> Nutt.		<i>clara</i> Rve.
	<i>ventrosa</i> (var.) Pfr.	315	<b>cerealis</b> Gould.
311	<b>marmorata</b> Gould.	315	<b>acuminata</b> Gould.
	<i>A. Adamsi</i> Newc.	315	<b>guttula</b> Gould.
	<i>Adamsii</i> Newc.		<i>A. gummea</i> Gulick.
	<i>perdix</i> Pfr.		<i>fragilis</i> Gulick.
	<i>induta</i> Gulick.	315	<b>vittata</b> Rve. [Fer.
	<i>plumbea</i> Gulick.		<i>A. decora</i> (var.) Pfr. not

[Annals of New York Lyceum.]

Page.		Page.	
	<i>A. globosa</i> Pfr.	320	<b>Achatinella taeniolata</b> Pfr.
315	<b>Achatinella producta</b> Rve.		<i>A. rubiginosa</i> Newc.
	<i>A. venulata</i> Newc.	320	<b>variegata</b> Pfr.
	<i>hybrida</i> Newc.		<i>A. rubens</i> (var.) Rve.
	<i>vulpina</i> Gulick not		<i>decepta</i> C. B. Ad.
316	<b>simulans</b> Rve. [Fer.]	320	<b>corneola</b> Pfr.
	<i>A. decora</i> Pfr. not Fer.	320	<b>aptycha</b> Pfr.
316	<b>bella</b> Rve.	320	<b>pulchella</b> Pfr.
316	<b>colorata</b> Rve.	320	<b>cinerosa</b> Pfr.
	<i>A. ustulata</i> Pfr.	320	<b>multicolor</b> Pfr.
316	<b>bilineata</b> Rve. [Sw.]		<i>A. oviformis</i> Newc.
	<i>A. pulcherrima</i> Rve. not	320	<b>Swainsoni</b> ? Pfr.
	<i>Byronii</i> Rve. not Gr.	320	<b>Sowerbyana</b> Pfr.
	<i>pulcherrima</i> Pfr. not	320	<b>dolium</b> Pfr.
317	<b>abbreviata</b> Rve. [Sw.]	320	<b>rudis</b> Pfr.
	<i>A. nivosa</i> Newc.		<i>A. chlorotica</i> Pfr.
	<i>Clementina</i> Pfr.		<i>albida</i> Pfr.
317	<b>castanea</b> Rve.	321	<b>fusiformis</b> Pfr.
317	<b>olivacea</b> Rve.	321	<b>gracilis</b> Pfr.
	<i>A. prasinus</i> Rve.		<i>A. elevata</i> Newc.
317	<b>adusta</b> Rve.		<i>subula</i> Gulick.
317	<b>perdix</b> Rve.	321	<b>crassidentata</b> Pfr.
	<i>A. pyramidalis</i> Gulick.	321	<b>nobilis</b> Pfr.
	<i>undosa</i> Gulick.	321	<b>Hanleyana</b> Pfr.
318	<b>bacca</b> Rve.	321	<b>zebrina</b> Pfr.
318	<b>straminea</b> Rve.	322	<b>extincta</b> Pfr.
	<i>A. gravida</i> (var.) Fer.	322	<b>obclavata</b> Pfr.
318	<b>Byronii</b> Gray.		<i>A. octogyrata</i> Gulick.
	<i>A. melanastoma</i> Newc.		<i>turrita</i> Gulick.
	<i>limbata</i> Gulick. [Sw.]	322	<b>luctuosa</b> Pfr.
	<i>pulcherrima</i> Rve. not	322	<b>Grayana</b> Pfr.
	<i>pulcherrima</i> Pfr. not	322	<b>glutinosa</b> Pfr.
319	<b>ellipsoidea</b> Gould. [Sw.]		<i>A. lacrima</i> Gulick.
	<i>A. pupoidea</i> Newc.	322	<b>callosa</b> Pfr.
319	<b>magna</b> C. B. Ad.	322	<b>dimidiata</b> Pfr.
	<i>A. Baldwinii</i> Newc.	322	<b>semicostata</b> Pfr.
319	<b>modesta</b> C. B. Ad.		<i>A. costulata</i> Gulick.
319	<b>Tappaniana</b> C. B. Ad.	322	<b>teres</b> Pfr.
	<i>A. eburnea</i> Gulick.	322	<b>oryza</b> Pfr.
	<i>ampulla</i> Gulick.		<i>A. triticea</i> Gulick.
	<i>fasciata</i> Gulick.	322	<b>margarita</b> Pfr.
319	<b>Mighelsiana</b> Pfr.	322	<b>sulcata</b> Pfr.
319	<b>pyramis</b> Pfr.	322	<b>auricula</b> Fer.
	<i>A. leucochila</i> Gulick.		<i>Partula Dumartroyi</i> Soul.

[Annals of New York Lyceum.]

Page.		Page.	
	<i>Auricula Owaihiensis</i> Chamisso.		<i>A. intermedia</i> Pfr. not Newc.
	<i>Bulimus auricula</i> Pfr.	325	<b>Achatinella intermedia</b>
	<i>Auricula sinistrorsa</i> Chamisso.	325	<i>A. rudis</i> Pfr. [Newc. <b>casta</b> Newc.
	<i>Bulimus armatus</i> Migh.		<i>A. dimorpha</i> Gulick. <i>cognata</i> Gulick (var.) <i>juncea</i> Gulick.
323	<b>Achatinella lurida</b> Pfr. [Pfr.		<b>violacea</b> Newc.
	<i>Tornatellina castanea</i>	326	<b>sanguinea</b> Newc.
323	<b>obeliscus</b> Pfr. [Pfr.	326	<i>A. Ferussaci</i> Pfr.
	<i>Balea Newcombi</i> Pfr.		<b>porphyrea</b> Newc.
323	<b>amœna</b> Pfr.	326	<i>A. grossa</i> Pfr.
323	<b>cerea</b> Pfr.		<b>gigantea</b> Newc.
323	<b>Chamissoi</b> Pfr.	326	<b>subvirens</b> Newc.
323	<b>Newcombiana</b> Pfr.	326	<i>A. viridans</i> Pfr. not Migh.
	<i>A. Pfeifferi</i> Newc.		<b>rutila</b> Newc.
	<i>Bulimus Newcombianus</i>	326	<i>A. viridans</i> Pfr. not Migh.
323	<b>Cumingi</b> Newc. [Pfr.		<i>macrostoma</i> Pfr.
	<i>A. gemma</i> Pfr.		<b>ampla</b> Newc.
323	<b>farcoimen</b> Pfr.	327	<b>rugosa</b> Newc.
323	<b>Dunkeri</b> Cuming.	327	<b>multilineata</b> Newc.
323	<b>Gouldi</b> Newc.	327	<i>A. monacha</i> Pfr.
	<i>A. talpina</i> Gulick.		<b>glabra</b> Newc.
324	<b>ovata</b> Newc.	327	<i>A. platystyla</i> Gulick. <i>elegans</i> Pfr. not Newc.
	<i>A. candida</i> Pfr.		<b>elegans</b> Newc.
	<i>Fricki</i> Pfr.	327	<b>tessellata</b> Newc.
	<i>vidua</i> Pfr.	327	<b>sordida</b> Newc.
	<i>cervina</i> Gulick.	327	<i>A. Swainsoni?</i> Pfr.
	<i>rotunda</i> Gulick.	327	<b>fumosa</b> Newc.
	<i>spadicea</i> Gulick.	327	<b>lineolata</b> Newc.
	<i>pheozona?</i> Gulick.	327	<b>nitida</b> Newc.
	<i>lorata</i> Rve. not Fer.	327	<i>A. crystallina</i> Gulick.
324	<b>rufa</b> Newc.	327	<b>crassilabrum</b> Newc.
324	<b>fulgens</b> Newc.	327	<b>cornea</b> Newc.
	<i>A. diversa</i> Gulick (var i.)		<b>labiata</b> Newc.
324	<b>splendida</b> Newc.	327	<i>A. dentata</i> Pfr.
	<i>A. Baileyana</i> Gulick.	327	<i>lagena</i> Gulick.
325	<b>Redfieldi</b> Newc.	328	<b>vitrea</b> Newc.
325	<b>cestus</b> Newc.		<i>A. fumida</i> Gulick.
325	<b>Swiftii</b> Newc.		<b>affinis</b> Newc.
	<i>A. valida</i> Pfr.	328	<i>A. goniostoma</i> Pfr.
	<i>apicata</i> Newc.		
325	<b>turgida</b> Newc.	328	
325	<b>cylindrica</b> Newc.		

## [Annals of New York Lyceum.]

Page.		Page.	
328	<b>Achatinella elongata</b> <i>Newc.</i>		<i>A. rubens</i> (var.) Pfr. not Gld.
	<i>A. acuta</i> <i>Newc.</i>		
328	<b>polita</b> <i>Newc.</i>	332	<b>Achatinella decipiens</b> <i>Newc.</i>
329	<b>soror</b> <i>Newc.</i>		<i>A. viridans</i> Pfr. not Migh.
329	<b>obesa</b> <i>Newc.</i>		<i>planospira</i> Pfr.
329	<b>terebra</b> <i>Newc.</i>		<i>cuneus</i> Pfr.
	<i>A. attenuata</i> Pfr.		<i>torrida</i> Gulick.
	<i>lignaria</i> Gulick.		<i>corrugata</i> Gulick.
	<i>crocea</i> Gulick.		<i>scitula</i> Gulick.
329	<b>melanosis</b> <i>Newc.</i>		<i>herbacea</i> Gulick.
329	<b>curta</b> <i>Newc.</i>	333	<b>variabilis</b> <i>Newc.</i>
	<i>A. delta</i> Gulick.		<i>A. fulva</i> <i>Newc.</i>
	<i>albescens</i> Gulick.		<i>lactea</i> Gulick.
	<i>contracta</i> Gulick.	333	<b>crassa</b> <i>Newc.</i>
330	<b>fusca</b> <i>Newc.</i>	333	<b>Buddii</b> <i>Newc.</i>
	<i>A. striatella</i> Gulick.		<i>A. pexa</i> Gulick.
	<i>petila</i> Gulick.		<i>plumata</i> Gulick.
330	<b>recta</b> <i>Newc.</i>		<i>papyracea</i> Gulick.
	<i>A. nymphe</i> Gulick.		<i>cæsia</i> Gulick.
330	<b>grana</b> <i>Newc.</i>	333	<b>biplicata</b> <i>Newc.</i>
	<i>A. granifera</i> Gulick.	333	<b>semicarinata</b> <i>Newc.</i>
	<i>vitriola</i> Gulick.	334	<b>moesta</b> <i>Newc.</i>
	<i>parvula</i> Gulick.	334	<b>obscura</b> <i>Newc.</i>
330	<b>porcellana</b> <i>Newc.</i>	334	<b>concinna</b> <i>Newc.</i>
330	<b>mucronata</b> <i>Newc.</i>	334	<b>undulata</b> <i>Newc.</i>
330	<b>Johnsoni</b> <i>Newc.</i>	334	<b>nigra</b> <i>Newc.</i>
	<i>A. aplustre</i> <i>Newc.</i>	334	<b>tetrao</b> <i>Newc.</i>
330	<b>assimilis</b> <i>Newc.</i>	334	<b>succincta</b> <i>Newc.</i>
330	<b>reticulata</b> <i>Newc.</i>		<i>A. marginata</i> Gulick.
	<i>A. transversalis</i> Pfr.	334	<b>zebra</b> <i>Newc.</i>
	<i>conspersa</i> Pfr.	334	<b>humilis</b> <i>Newc.</i>
331	<b>ornata</b> <i>Newc.</i>	334	<b>petricola</b> <i>Newc.</i>
331	<b>albo-labris</b> <i>Newc.</i>		<i>A. umbilicata</i> Pfr.
	<i>A. nucleola</i> Rve. not Gld.	334	<b>fusoidea</b> <i>Newc.</i>
331	<b>solitaria</b> <i>Newc.</i>	334	<b>pusilla</b> <i>Newc.</i>
331	<b>germana</b> <i>Newc.</i>		<i>A. pulla</i> <i>Newc.</i>
331	<b>flavescens</b> <i>Newc.</i>	334	<b>Dwightii</b> <i>Newc.</i>
331	<b>Helena</b> <i>Newc.</i>	334	<b>Remyi</b> <i>Newc.</i>
331	<b>physa</b> <i>Newc.</i>	334	<b>Maiensis</b> <i>Newc.</i>
331	<b>dubia</b> <i>Newc.</i>	334	<b>obtusa</b> <i>Newc.</i>
	<i>A. radiata</i> Pfr. not Gld.	335	<b>resinula</b> Gulick.
332	<b>grisea</b> <i>Newc.</i>	335	<b>saxatilis</b> Gulick.
	<i>A. radiata</i> Pfr.	335	<b>terebialis</b> Gulick.
332	<b>Mastersi</b> <i>Newc.</i>	335	<b>exilis</b> Gulick.



[Annals of New York Lyceum.]

Page.		Page.	
335	<b>Achatinella stiria</b> <i>Gulick.</i>	335	<b>Achatinella trilineata</b> <i>Gul.</i>
335	<b>versipellis</b> <i>Gulick.</i>		<i>A. zonata</i> <i>Gulick</i> (var.)
335	<b>cucumis</b> <i>Gulick.</i>	335	<b>fuscula</b> <i>Gulick.</i>
		335	<b>formosa</b> <i>Gulick.</i>

Vol. vii, No. 1-3. March, 1859.

94 **Prime.**—List of known species of *Pisidium*, with their synonymy:  
by TEMPLE PRIME.

[The American species have already been given on p. 274.—W. G. B.]

95	<b>Pisidium amnicum</b> <i>Jen.</i> Eur.		<i>Pisidium Jenynsi</i> <i>McGil.</i>
	<i>Tellina amnica</i> <i>Müll.</i>		<i>vitreum</i> <i>Pfr.</i>
	<i>striata</i> <i>Schrot.</i>		<i>nitidum</i> <i>Jen.</i>
	<i>rivalis</i> <i>Mat. &amp; Rack.</i>		<i>limosum</i> <i>Gas.</i>
	<i>Cyclas palustris</i> <i>Drap.</i>		<i>iratianum</i> <i>Dup.</i>
	<i>Cardium amnicum</i> <i>Mat.</i>		<i>thermale</i> <i>Dup.</i>
	<i>Cyclas obliqua</i> <i>Lam.</i>		<i>caliculatum</i> <i>Dup.</i>
	<i>Pisidium obliquum</i> <i>Pfr.</i>		<i>sinuatum</i> <i>Bgt.</i>
	<i>Cyclas amnica</i> <i>Turt.</i>		<i>lenticulare</i> <i>Dup.</i>
	<i>Pera fluviatilis</i> <i>Leach.</i>		<i>rotundum</i> <i>Ces.</i>
	<i>Henslowiana</i> <i>Leach.</i>		<i>globulosum</i> <i>Gas.</i>
	<i>Pisidium inflatum</i> <i>Meg.</i>		<i>planum</i> <i>Pfr.</i>
	<i>Cyclas Pfeifferi</i> <i>Meg.</i>		<i>Stabilei</i> <i>Schm.</i>
	<i>Pisidium palustre</i> <i>Nils.</i>	97	<b>Pisidium conicum</b> <i>Baud.</i> Fr.
	<i>Pfeifferi</i> <i>Zeigl.</i>	98	<b>duplicatum</b> <i>Pfr.</i> Germ.
	<i>Cordula amnica</i> <i>Leach.</i>		<i>Cyclas duplicata</i> <i>Pfr.</i>
	<i>Pisidium Grateloupianum</i>	98	<b>Ferroense</b> <i>Morch.</i>
	Norm.		<i>Fer. Isl.</i>
	<i>intermedium</i> <i>Gas.</i>	98	<b>fuscum</b> <i>Parr.</i> Germ.
	<i>sulcatum</i> <i>Parr.</i>	98	<b>Gassiesianum</b> <i>Dup.</i> Fr.
96	<b>Canariense</b> <i>Shutl.</i> Can.		<i>P. Normandianum</i> <i>Dup.</i>
96	<b>casertanum</b> <i>Bgt.</i> Eur.		<i>tetragonum</i> <i>Norm.</i>
	<i>Cardium casertanum</i> <i>Poli.</i>		<i>Baudanianum</i> <i>Ces.</i>
	<i>amnicum</i> <i>Mont.</i>	98	<b>Henslowianum</b> <i>Jen.</i> Eur.
	<i>Cyclas vitrea</i> <i>Risso.</i>		<i>Pera Henslowiana</i> <i>Leach.</i>
	<i>Pera pulchella</i> <i>Leach.</i>		<i>Cyclas acuta</i> <i>Pfr.</i>
	<i>Pisidium pulchellum</i> <i>Jen.</i>		<i>Tellina Henslowiana</i> <i>Shep.</i>
	<i>australe</i> <i>Phil.</i>		<i>Cyclas appendiculata</i>
	<i>cinereum</i> <i>Ald.</i>		<i>Turt.</i>
	<i>Lumsternianum</i> <i>Forb.</i>		<i>Pisidium acutum</i> <i>Pfr.</i>
	<i>Cyclas pulchella</i> <i>Hanl.</i>		<i>Pera appendiculata</i>
	<i>cinerea</i> <i>Hanl.</i>		<i>Leach.</i>
	<i>lenticularis</i> <i>Norm.</i>		<i>Pisidium Jayanum</i> <i>Gas.</i>
	<i>Pisidium Joannis</i> <i>McGil.</i>		<i>Dupuyanum</i> <i>Norm.</i>

[Annals of New York Lyceum.]

Page.		Page.	
	<i>Pisidium pallidum</i> Gas.		<i>Pisidium minimum</i> Stud.
	<i>Bonnafoxianum</i>		<i>Cyclas ovalis</i> Nils.
	Ces.		<i>Pisidium ovale</i> Pet.
	<i>Jaudouinianum</i> Gas.	101	<b>Pisidium pusillum</b> Jen. Eur.
	<i>pictum</i> Ces.		<i>Tellina pusilla</i> Gmel.
100	<b>Pisidium nitidum</b> Jen. Eur.		<i>Cyclas fontinalis</i> (pars.)
	<i>Cyclas pusilla</i> Turt.		<i>P. fontinale</i> Pfr. [Dup.
	<i>nitida</i> Hanl.		<i>Cyclas pusilla</i> Turt.
	<i>P. incertum</i> Norm.		<i>Englesa Henslowiana</i>
100	<b>obtusale</b> Pfr. Eur.		Leach.
	<i>Cyclas obtusalis</i> Lam.		<i>P. roseum</i> Scholtz.
	<i>minima</i> Stud.	101	<b>Recluzianum</b> Bgt. Eur.
	<i>gibba</i> Ald.	102	<b>semen</b> Mke. Oceanica.
	<i>Pera gibba</i> Leach.	102	<b>supinum</b> Schmidt.

**Lea.**—Notice of *Mya nodulosa* Wood: by ISAAC LEA. (From Proc. Phila. Acad. Nat. Sciences, vol. vi, p. 368. June, 1853.)

[Omitted accidentally from p. 552 of Bibliography.—W. G. B.]

Page.		Page.	
368	<b>Prisodon truncates</b> Schum.		<i>Castalia Duprei</i> Recl.
	<i>Castalia ambigua</i> Lam.	368	<b>Prisodon nodulosus</b> Lea.
368	<b>Duprei</b> Lea.		<i>Mya nodulosa</i> Wood.

## GENERAL WORKS.

### SCHOOL BOOKS, &c.

There have been many works on general Natural History published in America, especially for the use of schools. They contain no descriptions, but often figures of species, though they rarely refer to American species. I have therefore quoted but the following, which will serve as specimens of the class. The list may be increased from Carus' and Engelmann's Bibliography. I have consulted all the works quoted by them.

**Goodrich.**—Illustrated Natural History—Mollusca, vol. ii, p. 487. New York, 1859: by SAMUEL G. GOODRICH. A figure of *Unio spinosus* is given.

**Gould.**—A System of Natural History, containing scientific and popular descriptions of various animals : by A. A. GOULD, M. D. Boston, 1853.

**Pilkington.**—Natural History ; abridged for the use of Schools : by MRS. PILKINGTON. Philadelphia, 1818.

[Chapter viii, p. 257, treats of Shell-Fish of the Testaceous kind.—W. G. B.]

**Mayo, C.**—Conchology for Schools. New York.

**Goodrich, S. G.**—A Pictorial Natural History for the use of Schools. Boston, 1851.

**Wyatt, Thos.**—A Synopsis of Natural History, embracing the Natural History of Animals, with human and general Animal Physiology, Botany, Vegetable Physiology, and Geology. Translated from the French, with additions, and arranged as a text-book : by THOMAS WYATT. With 49 plates. Philadelphia, 1849.

[This is a translation of Lemonnier.—W. G. B.]

#### ENCYCLOPEDIAS, &c.

I have already quoted the American editions of Nicholson's Encyclopedia (p. 254), and the Iconographic Encyclopedia (p. 248). There are American editions of several other foreign Cyclopedias containing articles on general Conchology (usually under that title). The American Encyclopedias also treat of Conchology in the same general manner. Among these works are the following :—

**Ree.**—REE'S ENCYCLOPEDIA. Philadelphia, 1810-24. Conchology, vol. ix, p. 470.

EDINBURGH ENCYCLOPEDIA. Philadelphia, 1832. Conchology, vol. vi, pt. 2, pp. 677-730.

ENCYCLOPEDIA AMERICANA. Philadelphia, 1835. Conchology.

**Hodge.**—APPLETON'S NEW AMERICAN ENCYCLOPEDIA. New York, 1855-63. Mollusca, &c. Vol. v contains the article Conchology : by JAMES THACHER HODGE. 1859.

**Brande's** DICTIONARY OF ARTS AND SCIENCES. New York, 1844. Article Conchology, &c.

**Gregory's** DICTIONARY OF ARTS AND SCIENCES. Philadelphia, 1815, 1816.

**Conrad.**—Remarks on the fossil Shells from Chili, collected by Lieut. Gilliss, with descriptions of the species: by T. A. CONRAD. (From the U. S. Naval Astronomical Expedition, vol. ii, p. 282. Washington, 1855. The full title will be found on p. 521.)

[The following is the only recent species described.—W. G. B.]

Page.

286      **Saxicava Caldarensis** *Conr.*

PART I.

AMERICAN AUTHORS.

---

C.—WRITINGS ON FOREIGN SPECIES AND IN  
FOREIGN WORKS.

---



# BIBLIOGRAPHY

OF

## NORTH AMERICAN CONCHOLOGY.

---

IN order to complete the list of the Conchological writings of American authors, it becomes necessary to quote the titles of a few papers on foreign species published by them in foreign periodicals. Besides those given below, there have occurred in foreign works many criticisms, notices, translations, &c., of papers published by American authors in American books. Some few of these have been referred to in the previous pages of my Bibliography. Many more will be given in Part II, especially in the quotations from the *Isis*, *Journal de Conchyliologie*, *Zeitschrift für Malakozologie*, *Malakozoolische Blätter*, *Bulletin Zoologique*, *Bibliographie Conchyliologique*, and *Archiv für Naturgeschichte*.

**Rafinesque.**—(See former pp. 403, 488.)

**Lea.**—Description of a new genus of the family Melaniana, and of many new species of the genus *Melania*, chiefly collected by Hugh Cuming, Esq., during his Zoological Voyage to the East, and now first described: by ISAAC LEA and HENRY CAREY LEA. (From the *Proc. of the Zoological Society of London*, vol. xviii, No. 212, p. 179, 1850; also distributed in a separate pamphlet, and published in *Annals of Nat. Hist.*, Second Series, vol. ix, p. 58.) And

**Lea.**—Description of five new species of Anodonta, collected by Hugh Cuming, Esq., in the East Indies. (From same as last, p. 197, and Ann. of Nat. Hist., Second Series, vol. viii, p. 493.)

**Gould.**—On the Nautilus umbilicatus of Lister : by AUG. A. GOULD, M. D. (From Proc. Zoological Soc. of London, 1857, p. 20; and Ann. and Magazine of Nat. History, Second Series, vol. xx, No. 115, p. 57. July, 1857.)

Zool. Soc. Page.	MAG. N. H. Page.	
21	59	<b>Nautilus umbilicatus</b> List.
21	59	<b>scrobiculatus</b> Solander.
		<i>N. pompilius</i> (var. $\beta$ ) Gmel.
		<i>crassus, umbilicatus</i> Chemn.
		<i>umbilicatus</i> Knorr.

**Newcomb, W., M. D.**—Descriptions of seventy-nine new species of Achatinella, *Swains.*, a genus of Pulmoniferous Mollusks, in the collection of Hugh Cuming. With three plates. (From Proc. Zool. Soc. London, 1853, p. 128.)

**Newcomb, W., M. D.**—Abstract of descriptions of some animals of Achatinella, and other remarks. (From same, 1854, p. 310.)

**Lesueur, C. A.**—Mémoire sur quelques nouvelles espèces d'animaux Mollusques et Radiaires de la Méditerranée, in Nouv. Bull. Scienc. Soc. Philom., tom. iii, 1813, pp. 281–285.

**Lesueur, C. A.**—Histoire du genre Firola : par FRC. PERON et C. A. LESUEUR. (From Annales du Muséum, xv, 1810, pp. 70–75.)

**Carpenter, P. P.**—Descriptions of new species of Shells collected by Mr. T. Bridges in the Bay of Panama and its vicinity. (From Proc. Zool. Soc. London, 1856, p. 159.)

[Other papers are contained in the Proc. Zool. Soc. London, and will be quoted from thence.—W. G. B.]



**Adams, Bland, Lea.**—In the Journal de Conchyliologie are notices and translations of several of the papers of Messrs. ADAMS, BLAND and LEA. They will be quoted in the Second Part of the Bibliography.

**Agassiz, L.**—Mémoires sur les Moules de Mollusques vivants et fossiles. (From. Mém. de la Soc. des Sciences Naturelles de Neuchatel, tome ii, 1839.)

**Agassiz, L.**—Notice sur le *Mya alba* de Porto Rico. (From same as last, vol. ii, 1839.)

**Agassiz, L.**—Note sur le genre *Pyrula* de Lamarck (in Bull. de la Soc. Sc. Nat. Neuchatel, tome i, 1844, p. 69).

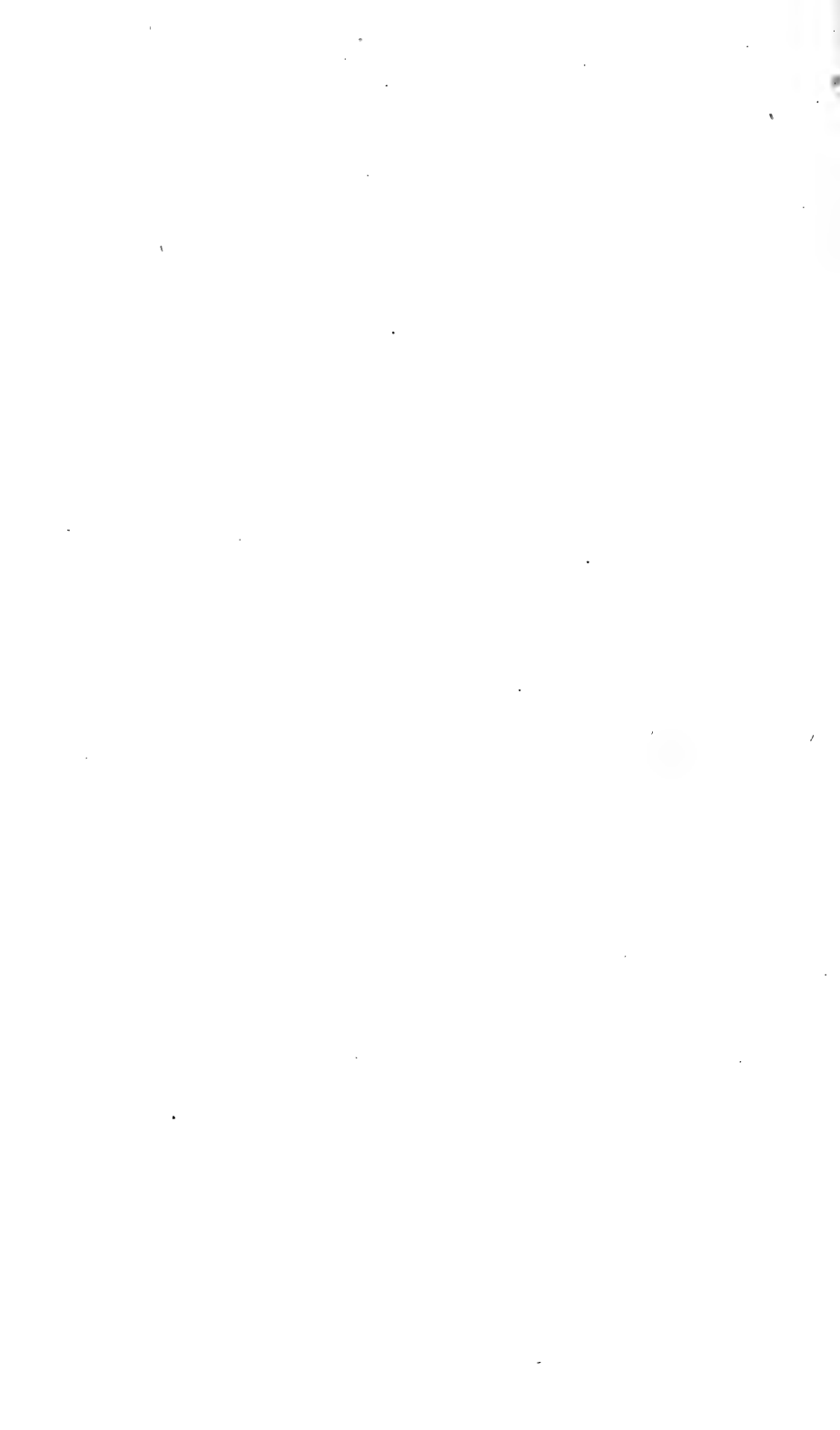
**Agassiz, L.**—Notice sur les Moules du Musée de Neuchatel (in Bull. Soc. Imp. Natur. Moscow, 1839, p. 415).



# APPENDIX I.

TO

PART I., SECTION A., AMERICAN WRITINGS  
ON AMERICAN SPECIES.



# BIBLIOGRAPHY

OF

## NORTH AMERICAN CONCHOLOGY.

---

**Read.**—Catalogue of the Marine, Fluvial, and Terrestrial Shells of Massachusetts: by WILLIAM READ, M. D. Lynn, Nov. 1845.

[No descriptions are given.—W. G. B.]

<p>No. 22 <b>Teredo navalis</b> Linn.</p> <p>23 <b>Pholas costata</b> Linn.</p> <p>24     <i>crispata</i> Linn.</p> <p>25 <b>Solen ensis</b> Linn.</p> <p>26     <i>viridis</i> Say.</p> <p>27 <b>Solecurtus Caribæus</b> Conr.       <i>Solen Caribæus</i> Lam.</p> <p>28     <i>fragilis</i> Conr.       <i>Solen fragilis</i> Pult.       <i>centralis</i> Say.</p> <p>29 <b>Machæra costatus</b> Gould.       <i>Solecurtus costatus</i> Say.</p> <p>30     <i>nitida</i> Gould.</p> <p>31 <b>Solemya borealis</b> Totten.</p> <p>32     <i>velum</i> Say.</p> <p>33 <b>Panopæa arctica</b> Gould.       <i>Glycymeris arctica</i> Lam.</p> <p>34 <b>Glycymeris siliqua</b> Lam.</p> <p>35 <b>Mya arenaria</b> Linn.       <i>M. mercenaria</i> Say.</p> <p>36     <i>truncata</i> Linn.</p> <p>37 <b>Corbula contracta</b> Say.</p>	<p>No. 38 <b>Pandora trilineata</b> Say.       <i>P. nasuta</i> Sowb.</p> <p>39 <b>Osteodesma hyalina</b> Couth.       <i>Mya hyalina</i> Conr.</p> <p>40 <b>Anatina papyratia</b> Say.</p> <p>41 <b>Cochlodesma Leana</b> Couth.       <i>Anatina Leana</i> Conr.</p> <p>42 <b>Thracia Conradi</b> Couth.       <i>T. declivis</i> Conr.</p> <p>43 <b>Mactra solidissima</b> Chemn.       <i>M. gigantea</i> Lam.</p> <p>44     <i>ovalis</i> Gould.       <i>M. similis</i> Gray.</p> <p>45     <i>lateralis</i> Say.</p> <p>46 <b>Cumingia tellinoides</b> Conr.       <i>Mactra tellinoides</i> Conr.</p> <p>47 <b>Mesodesma arotata</b> Gould.       <i>Mactra arotata</i> Conr.</p> <p>48     <i>Jaressii</i> De Joannis.</p> <p>49 <b>Montacuta bidentata</b> Gld.</p> <p>50 <b>Kellia rubra</b> Turt.</p> <p>51 <b>Saxicava distorta</b> Say.</p>
--	---

- |     |   |     |   |
|-----|---|-----|---|
| No. |   | No. |   |
| 52  | <b>Petricola pholadiformis</b><br><i>P. fornicata</i> Say. [Lam.]   | 85  | <b>Nucula minuta</b> Turt.<br><i>N. tenuisulcata</i> Couth. |
| 53  | <b>dactylus</b> Sowb.   | 86  | <b>myalis</b> Couth.  |
| 54  | <b>Sanguinolaria fusca</b> Conr.<br><i>Psammobia fusca</i> Say.   | 87  | <b>navicularis</b> Couth.                                   |
| 55  | <b>sordida</b> Gould.<br><i>Tellina sordida</i> Couth.  | 88  | <b>proxima</b> Say.   |
| 56  | <b>Tellina tenera</b> Say.  | 89  | <b>sapotilla</b> Gould.                                     |
| 57  | <b>tenta</b> Say.   | 90  | <b>tenuis</b> Turt.   |
| 58  | <b>calcaria.</b>  | 91  | <b>thraciæformis</b> Storer.                                |
| 59  | <b>Lucina radula</b> Gould.<br><i>Tellina radula</i> Mont.  | 92  | <b>Unio complanatus</b> Lea.<br><i>U. purpureus</i> Say.    |
| 60  | <b>divaricata</b> Lam.  | 93  | <b>cariosus</b> Say.  |
| 61  | <b>flexuosa</b> Gould.<br><i>Cryptodon flexuosa</i> Turt.   | 94  | <b>nasutus</b> Say.   |
| 62  | <b>Cyclas dubia</b> Say.  | 95  | <b>radiatus</b> Barnes.                                     |
| 63  | <b>elegans</b> Ad.  | 96  | <b>ochraceus</b> Say.                                       |
| 64  | <b>partumeia</b> Say.   | 97  | <b>Alasmodon arcuata</b> Barnes.                            |
| 65  | <b>similis</b> Say.   | 98  | <b>marginata</b> Say.                                       |
| 66  | <b>Astarte castanea</b> Say.<br><i>Crassina castanea</i> Lam.   | 99  | <b>undulata</b> Barnes.<br><i>Unio undulata</i> Say.        |
| 67  | <b>lactea</b> Br. & Sowb.   | 100 | <b>Anodon fluviatilis</b> Lea.<br><i>A. cataracta</i> Say.  |
| 68  | <b>quadrans</b> Gould.  | 101 | <b>implicata</b> Say.                                       |
| 69  | <b>sulcata</b> Fleming.<br><i>Venus sulcata</i> Mont.<br><i>Crassina sulcata</i> Lam.<br><i>A. Danmoniensis</i> Sowb. | 102 | <b>undulata</b> Say.  |
| 70  | <b>Cyprina islandica</b> Lam.<br><i>Venus islandica</i> Linn.   | 103 | <b>Mytilus edulis</b> Linn.                                 |
| 71  | <b>Cytherea convexa</b> Say.  | 104 | var. <b>pellucidus</b> Pennant.                             |
| 72  | <b>Venus mercenaria</b> Linn.   | 105 | <b>Modiola barbata</b> Lam.                                 |
| 73  | <b>notata</b> Say.  | 106 | <b>discors</b> Flem.  |
| 74  | <b>præparca</b> (var.) Say.   | 107 | <b>discrepans</b> Gould.<br><i>Mytilus discrepans</i> Mont. |
| 75  | <b>fluctuosa</b> Gould.   | 108 | <b>glandula</b> Totten.                                     |
| 76  | <b>gemma</b> Totten. [Chemn.]   | 109 | <b>modiolus</b> Turt.<br><i>M. papuana</i> Lam.             |
| 77  | <b>Cardium Grœnlandicum</b>   | 110 | <b>nexa</b> Gould.  |
| 78  | <b>islandicum</b> Linn.<br><i>C. pubescens</i> Couth.   | 111 | <b>pectinula</b> Gould.                                     |
| 79  | <b>Mortoni</b> Conr.  | 112 | <b>plicatula</b> Lam.                                       |
| 80  | <b>pinnulatum</b> Conr.   | 113 | <b>Pecten concentricus</b> Say.                             |
| 81  | <b>Cardita borealis</b> Conr.   | 114 | <b>islandicus</b> Chemn.<br><i>P. Pealii</i> Conr.          |
| 82  | <b>Arca pexata</b> Say.   | 115 | <b>Magellanicus</b> Lam.                                    |
| 83  | <b>transversa</b> Say.  | 116 | <b>Ostrea borealis</b> Lam.<br><i>O. edulis</i> Linn.       |
| 84  | <b>Nucula limatula</b> Say.   | 117 | <b>virginiana</b> List.                                     |
|     |   | 118 | <b>Anomia aculeata</b> Gmel.                                |
|     |   | 119 | <b>squamula</b> Linn.                                       |
|     |   | 120 | <b>ephippium</b> Linn.                                      |

No.		No.	
121	<b>Terebratula caput-serpentis</b> Lam. <i>T. septentrionalis</i> Couth.	159	<b>Helix monodon</b> Rack. <i>H. fraternata</i> Say.
122	<b>psittacea</b> Gmel.	160	<b>hirsuta</b> Say. <i>H. fraternata</i> Wood.
123	<b>Chiton albus</b> Mont. <i>C. sagrinatus</i> Couth.	161	<b>pulchella</b> Müll. <i>H. minuta</i> Say.
124	<b>apiculatus</b> Say.	162	<b>striatella</b> Anth.
125	<b>anus</b> Scwb. <i>C. Emersonii</i> Couth.	163	<b>thyroidus</b> Say.
126	<b>fulminatus</b> Couth.	164	<b>tridentata</b> Say.
127	<b>marginatus</b> Pennant.	165	<b>Pupa contracta</b> Say.
128	<b>ruber</b> Lowe.	166	<b>curvidens</b> Gould.
129	<b>Patella candida</b> Couth.	167	<b>exigua</b> Say.
130	<b>Lottia alveus</b> Gould.	168	<b>fallax</b> Say.
131	<b>testudinalis</b> Gould. <i>Patella amœna</i> Say.	169	<b>miliun</b> Gould.
132	—— (sp. ind.)	170	<b>modesta</b> Say.
133	<b>Dentalium dentale</b> Linn.	171	<b>simplex</b> Gould.
134	<b>Cemoria noachina</b> Gould. <i>Patella noachina</i> Linn.	172	<b>Tappaniana</b> Ward.
135	<b>Crepidula convexa</b> Say.	173	<b>Bulimus lubricus</b> Brug.
136	<b>fornicata</b> Lam.	174	<b>Succinea avara</b> Say.
137	<b>glauca</b> Say.	175	<b>campestris</b> Say.
138	<b>plana</b> Say.	176	<b>ovalis</b> Say.
139	<b>Bulla canaliculata</b> Gould.	177	<b>Auricula bidentata</b> Gould. <i>Melampus bidentatus</i> Say.
140	<b>debilis</b> Gould.	178	<b>denticulata</b> Gould.
141	<b>Gouldii</b> Couth.	179	<b>Planorbis armigerus</b> Say.
142	<b>hiemalis</b> Couth.	180	<b>bicarinatus</b> Say.
143	<b>insculpta</b> Totten.	181	<b>campanulatus</b> Say.
144	<b>lineolata</b> Couth.	182	<b>deflectus</b> Say.
145	<b>obstricta</b> Gould.	183	<b>dilatatus</b> Gould.
146	<b>oryza</b> Totten.	184	<b>elevatus</b> Ad.
147	<b>triticea</b> Couth.	185	<b>exacutus</b> Say.
148	<b>Helix albo-labris</b> Say.	186	<b>hirsutus</b> Gould.
149	<b>alternata</b> Say. <i>H. scabra</i> Lam.	187	<b>lentus</b> Say.
150	<b>arborea</b> Say.	188	<b>parvus</b> Say.
151	<b>cellaria</b> Müll.	189	<b>trivolvus</b> Say.
152	<b>chersina</b> Say.	190	<b>virens</b> .
153	<b>electrina</b> Gould.	191	<b>Physa ancillaria</b> Say.
154	<b>hortensis</b> Müll.	192	<b>elongata</b> Say.
155	<b>subglobosa</b> (var.) Binn.	193	<b>heterostropha</b> Say.
156	<b>lineata</b> Say.	194	<b>Limnæa columella</b> Say.
157	<b>indentata</b> Say.	195	<b>chalybea</b> (var.) Gould.
158	<b>labyrinthica</b> Say.	196	<b>catascopium</b> Say.
		197	<b>elodes</b> Say.
		198	<b>desidiosus</b> Say.

- | No. |   | No. |   |
|-----|---|-----|---|
| 199 | <b>Limnæa macrostoma</b> Say.<br><i>L. acuminata</i> Ad.                | 232 | <b>Margarita undulata</b> Sowb.<br><i>Turbo incarnatus</i> Couth. |
| 200 | <b>modicellus</b> Say.  | 233 | <b>Littorina palliata</b> Gould.<br><i>Turbo palliatus</i> Say.   |
| 201 | <b>umbilicata</b> Ad.   | 234 | <b>rudis</b> Gould.<br><i>Turbo obligatus</i> Say.                |
| 202 | <b>Ancylus fuscus</b> Ad.   | 235 | <b>tenebrosa</b> Gould.<br><i>Turbo vestitus</i> Say.             |
| 203 | <b>rivularis</b> Say.   | 236 | <b>Lacuna neritoidea</b> Gould.                                   |
| 204 | <b>Valvata pupoidea</b> Gould.  | 237 | <b>vincta</b> Gould.<br><i>L. pertusa</i> Conr.                   |
| 205 | <b>tricarinata</b> Say.   | 238 | <b>fusca</b> (var.) Ad.   |
| 206 | <b>Paludina decisa</b> Say.   | 239 | <b>Cingula aculeus</b> Gould.<br><i>Turbo aculeus</i> Ad.         |
| 207 | <b>Amnicola porata</b> Say.   | 240 | <b>minuta</b> Gould.<br><i>Turbo minuta</i> Totten.               |
| 208 | <b>Natica canaliculata</b> Gould.                                       | 241 | <b>Turritella erosa</b> Couth.                                    |
| 209 | <b>clausa</b> Brod.<br><i>N. consolidata</i> Couth.                     | 242 | <b>interrupta</b> Totten.   |
| 210 | <b>duplicata</b> Say.   | 243 | <b>Pyramis striatula</b> Couth.                                   |
| 211 | <b>flava</b> Gould.   | 244 | <b>Odostomia exigua</b> Gould.<br><i>Jaminia exigua</i> Couth.    |
| 212 | <b>heros</b> Say.   | 245 | <b>fusca</b> Gould.   |
| 213 | <b>immaculata</b> Totten.   | 246 | <b>producta</b> Gould.<br><i>Jaminia producta</i> Ad.             |
| 214 | <b>pusilla</b> Say.   | 247 | <b>seminuda</b> Gould.  |
| 215 | <b>triseriata</b> Say.  | 248 | <b>trifida</b> Gould.<br><i>Acteon trifidus</i> Totten.           |
| 216 | — (sp. ind.)  | 249 | <b>Cerithium Emersonii</b> Ad.                                    |
| 217 | <b>Janthina fragilis</b> Brug.  | 250 | <b>Greenii</b> Ad.  |
| 218 | <b>Velutina lævigata</b> Gould.<br><i>V. rupicola</i> Conr.             | 251 | <b>nigrocinctum</b> Ad.   |
| 219 | <b>zonata</b> Gould.  | 252 | <b>terebrale</b> Ad.  |
| 220 | <b>Sigaretushaliotoideus</b> Lam.<br><i>Oxynoe glabra</i> Couth.        | 253 | <b>Sayi</b> Mke.<br><i>C. reticulatum</i> Totten.                 |
| 221 | <b>Tornatilla puncto-striata</b><br>Ad.                                 | 254 | <b>Pleurotoma decussata</b> Cth.                                  |
| 222 | <b>Vermetus lumbricalis</b> Lam.  | 255 | <b>bicarinata</b> Couth.  |
| 223 | <b>Skenea serpuloides</b> Flem.<br><i>Delphinula serpuloides</i><br>Ad. | 256 | <b>plicata</b> Ad.  |
| 224 | <b>Scalaria Grœnlandica</b> Gld.<br><i>S. subulata</i> Couth.           | 257 | <b>Cancellaria Couthouyi</b> Jay.<br><i>C. buccinoides</i> Couth. |
| 225 | <b>lineata</b> Say.   | 258 | <b>Fusus bamffius</b> Flem.                                       |
| 226 | <b>multistriata</b> Say.  | 259 | <b>decemcostatus</b> Say.   |
| 227 | <b>nov-angliæ</b> Couth.  | 260 | <b>harpularius</b> Couth.   |
| 228 | <b>Margarita cinerea</b> Gould.<br><i>Turbo cinereus</i> Couth.         | 261 | <b>islandicus</b> Mart.<br><i>F. corneus</i> Say.                 |
| 229 | <b>argentea</b> Gould.  | 262 | <b>muricatus</b> Brown.   |
| 230 | <b>arctica</b> Leach.<br><i>Turbo inflatus</i> Totten.                  |     |   |
| 231 | <b>obscura</b> Gould.<br><i>Turbo obscurus</i> Couth.                   |     |   |



No.		No.	
263	<b>Fusus rufus</b> Gould.	277	<b>Buccinum ciliatum</b> Gould. <i>B. ventricosum</i> Kien.
264	<b>pygmæus</b> (var.) Gould.	278	<b>Donovani</b> Gray.
265	<b>scalariformis</b> Gould.	279	<b>lunatum</b> Ad.
266	<b>tornatus</b> Gould.	280	<b>obsoletum</b> Ad.
267	<b>turricula</b> Flem.	281	<b>plicosum</b> Mke. <i>Fusus cinereus</i> Say.
268	<b>ventricosus</b> Gray.	282	<b>rosaceum</b> Gould.
269	<b>Pyrula canaliculata</b> Brug.	283	<b>trivittatum</b> Ad. <i>Nassa trivittata</i> Say.
270	<b>carica</b> Brug.	284	<b>undatum</b> Linn.
271	<b>Ranella caudata</b> Say.	285	<b>vibex</b> Ad. <i>Nassa vibex</i> Say.
272	<b>Rostellaria occidentalis</b> <i>Beck.</i>	286	<b>Columbella avara</b> Say.
273	<b>Trichotropis borealis</b> Sowb. <i>T. costellatus</i> Couth.	287	<b>Spirula Peronii</b> Lam.
274	<b>Purpura lapillus</b> Lam.		
275	<b>imbricata</b> (var.) Lam.		
276	<b>bizonalis</b> (var.) Lam.		

**Hubbard.**—Catalogue of Terrestrial and Fluvial Shells of Ohio, in the collection of EBER W. HUBBARD, Elyria, Ohio.

[No descriptions are given.—W. G. B.]

No.		No.	
1	<b>Amnicola Cincinnatiensis</b> <i>Anth.</i> <i>Paludina Cincinnatiensis</i>	13	<b>Cyclas dubia</b> Say.
2	<b>integra</b> Say. [Anth. <i>Melania integra</i> Say.	14	<b>partumeia</b> Say. <i>C. cornea</i> (var.) Lam.
3	<b>lapidaria</b> Say. <i>Cyclostoma lapidaria</i> Say.	15	<b>similis</b> Say. <i>C. sulcata</i> Lam.
4	<b>lustrica</b> Say. <i>Paludina lustrica</i> Say.	16	<b>Helix albolabris</b> Say.
5	<b>Sayana</b> Anth. <i>Cyclostoma Sayana</i> Anth. <i>Cincinnatiensis</i> Lea.	17	<b>alternata</b> Say. <i>H. scabra</i> Lam. <i>radiata</i> Gmel.
6	<b>Anculosa costata</b> Anth.	18	<b>appressa</b> Say. <i>H. linguifera</i> Fer.
7	<b>isogona</b> Say. <i>Melania isogona</i> Say. <i>Paludina pallida</i> Lea.	19	<b>arborea</b> Say.
8	<b>prærorsa</b> Say. [Lea. <i>Melania Cincinnatiensis</i>	20	<b>clausa</b> Say. <i>H. Mitchelliana</i> Lea.
9	<b>Ancylus diaphanus</b> Hald.	21	<b>chersina</b> Say.
10	<b>rivularis</b> Say.	22	<b>concava</b> Say. <i>H. planorboides</i> Fer. <i>Vancouverensis</i> Lea.
11	<b>Bulimus lubricus</b> Brug.	23	<b>electrina</b> Gould.
12	<b>vermetus</b> Anth.	24	<b>elevata</b> Say. <i>H. Knoxvilleana</i> Fer.
		25	<b>fallax</b> Say.

- | No. |  | No. |   |
|-----|--|-----|---|
| 26  | <b>Helix fraterna</b> Say.<br><i>H. monodon</i> Wood.<br><i>convexa</i> Desh.  | 49  | <b>Helix suppressa</b> Say.                                 |
| 27  | <b>fuliginosa</b> Griffith.<br><i>H. lucubrata</i> Say.<br><i>lavigata</i> Fer.  | 50  | <b>tridentata</b> Say.                                      |
| 28  | <b>hirsuta</b> Say.<br><i>H. fraterna</i> Wood.  | 51  | <b>thyroidus</b> Say.                                       |
| 29  | <b>indentata</b> Say.  | 52  | <b>zaleta</b> Say.  |
| 30  | <b>inflecta</b> Say.<br><i>H. clausa</i> Fer.  | 53  | <b>Limnea caperata</b> Say.                                 |
| 31  | <b>inornata</b> Say.   | 54  | <b>desidiosa</b> Say.<br><i>L. curta</i> Lea.               |
| 32  | <b>interna</b> Say.<br><i>H. pomum Adami</i> Green.  | 55  | <b>elodes</b> Say.  |
| 33  | <b>intertexta</b> Binney.  | 56  | <b>humilis</b> Say.   |
| 34  | <b>labyrinthica</b> Say.   | 57  | <b>reflexa</b> Say.<br><i>L. exilis</i> Lea.                |
| 35  | <b>ligera</b> Say.<br><i>H. Rafinesquea</i> Fer.<br><i>Wardiana</i> Lea.   | 58  | <b>jugularis</b> Say.<br><i>L. speciosa</i> Rossmasler.     |
| 36  | <b>limatula</b> Ward.  | 59  | <b>umbrosa</b> Say.   |
| 37  | <b>lineata</b> Say.  | 59½ | <b>columella</b> Say.                                       |
| 38  | <b>minuscule</b> Binney.<br><i>H. minutissima</i> Lea.   | 60  | <b>Melania canaliculata</b> Say.                            |
| 39  | <b>monodon</b> Rack.<br><i>H. Leaii</i> Ward.  | 61  | <b>conica</b> Say.  |
| 40  | <b>multilineata</b> Say.   | 62  | <b>depygis</b> Say.   |
| 41  | <b>palliatu</b> Say.<br><i>H. obstricta</i> Say.<br><i>denotata</i> Say.<br><i>Carocolla Helicoides</i><br>Lea.<br><i>Carocolla Carolinensis</i><br>Lea. | 63  | <b>exilis</b> Hald.<br><i>M. Kirtlandianus</i> Lea.         |
| 42  | <b>Pennsylvanica</b> Green.  | 64  | <b>gracilis</b> Anth.                                       |
| 43  | <b>perspectiva</b> Say.<br><i>H. parvula</i> Desh.   | 65  | <b>Sayii</b> Wood.  |
| 44  | <b>profunda</b> Say.<br><i>H. Richardi</i> Lam.  | 66  | <b>excurata</b> Conr.                                       |
| 45  | <b>pulchella</b> Müll.<br><i>H. minuta</i> Say.<br><i>paludosa</i> Mont.   | 67  | <b>undulata</b> Say.  |
| 46  | <b>Sayii</b> Binney.<br><i>H. diodonta</i> Say.  | 68  | <b>varicosa</b> Ward.                                       |
| 47  | <b>solitaria</b> Say.  | 69  | <b>Paludina heterostropha</b>                               |
| 48  | <b>striatella</b> Anth.  | 70  | <b>integra</b> Say. [Kirt.                                  |
|     |  | 71  | <b>ponderosa</b> Say.                                       |
|     |  | 72  | <b>subcarinata</b> Say.<br><i>P. carinata Valenciennes.</i> |
|     |  | 73  | <b>Physa ancillaria</b> Say.<br><i>P. Sayii</i> Tappan.     |
|     |  | 74  | <b>elongata</b> Say.  |
|     |  | 76  | <b>gyrini</b> Say.<br><i>P. elliptica</i> Lea.              |
|     |  | 77  | <b>heterostropha</b> Say.<br><i>P. aurea</i> Lea.           |
|     |  | 78  | <b>Planorbis armigerus</b> Say.                             |
|     |  | 79  | <b>bicarinatus</b> Say.                                     |
|     |  | 80  | <b>campanulatus</b> Say.                                    |
|     |  | 81  | <b>concavus</b> Anth.                                       |
|     |  | 82  | <b>corpulentus</b> Say.                                     |
|     |  | 83  | <b>deflectus</b> Say.                                       |
|     |  | 84  | <b>dilatatus</b> Gould.<br><i>P. lens</i> Lea.              |

No.		No.	
85	<b>Planorbis exactus</b> Say. <i>Paludina hyalina</i> Lea.		<i>U. ellipticus</i> Barnes. <i>venustus</i> ? Lea.
86	<b>lentus</b> Say.	107	<b>Unio cylindricus</b> Say. <i>U. solenoides</i> Raf. <i>naviformis</i> Lam.
87	<b>parvus</b> Say.	108	<b>cyphius</b> Raf. <i>U. æsopus</i> Green.
88	<b>trivolvus</b> Say.	109	<b>dilatatus</b> Raf. <i>U. gibbosus</i> Barnes. <i>nasutus</i> Lam. <i>arctior</i> Lea.
89	<b>Pupa albilabris</b> Ward. <i>Cyclostoma marginata</i>	110	<b>flavus</b> Raf. <i>U. rubiginosus</i> Lea. <i>trigonus</i> Lea.
90	<b>armifera</b> Say. [Say.]	111	<b>fasciolus</b> Raf. <i>U. multiradiatus</i> Lea.
91	<b>contracta</b> Say.	112	<b>fasciolaris</b> Raf. <i>U. phaseolus</i> Hild. <i>planulus</i> Lea. <i>camelus</i> Lea.
92	<b>corticaria</b> Say.	113	<b>flexuosus</b> Raf. <i>U. foliatus</i> Hild.
93	<b>exigua</b> Say.	114	<b>fragilis</b> Raf. <i>U. gracilis</i> Barnes.
94	<b>modesta</b> Say.	115	<b>fragosus</b> Conr.
95	<b>Succinea campertris</b> Say. <i>S. retusa</i> Lea.	116	<b>gibbosus</b> Raf. <i>U. torulosus</i> Raf. <i>perplexus</i> Lea. <i>Rangianus</i> Lea. <i>capsaformis</i> Lea.
96	<b>avara</b> Say.	117	<b>heros</b> Say. <i>U. undulatus</i> Say. <i>multiplicatus</i> Lea.
97	<b>ovalis</b> Say.	118	<b>lapillus</b> Say. <i>U. fabalis</i> Lea. <i>Troostensis</i> Lea.
98	<b>Valvata sincera</b> Say.	119	<b>leptodon</b> Raf. <i>U. planus</i> Barnes. <i>velum</i> Say. <i>purpurascens</i> Swains. <i>tenuissimus</i> Lea.
99	<b>tricarinata</b> Say. <i>V. bicarinata</i> Lea.	120	<b>lineolatus</b> Raf. <i>U. depressus</i> Raf. <i>securis</i> Lea.
100	<b>Unio alasmodontinus</b> Barn. <i>U. compressus</i> Lea.		
101	<b>alatus</b> Say. <i>U. megapterus</i> Raf.		
102	<b>bullatus</b> Raf. <i>U. prasinus</i> Conr. <i>Schoolcraftensis</i> Lea. <i>pustulosus</i> Lea. <i>Dorfeuillanus</i> Lea.		
103	<b>cardium</b> Raf. <i>U. ventricosus</i> Barnes. <i>occidens</i> Lea. <i>sub-ovatus</i> Lea. <i>dolabraformis</i> Lea.		
104	<b>cicatricosus</b> Say. <i>U. varicosus</i> Lea.		
105	<b>cuneatus</b> Raf. <i>U. modioliiformis</i> Say. <i>scalenius</i> Raf. <i>patulus</i> Lea. <i>decisus</i> ? Lea.		
106	<b>crassus</b> Say. <i>U. ellipsarius</i> Raf. <i>fasciatus</i> Raf. <i>ligamentina</i> Lam. <i>carinatus</i> Barnes.		

- | No.  |   | No. |  |
|------|---|-----|--|
| 121  | <b>Unio metanevrus</b> Raf.<br><i>U. nodosus</i> Barnes.  | 136 | <b>Unio politus</b> Say.<br><i>U. subrotundus</i> Lea.<br><i>Kirtlandianus</i> Lea.                            |
| 122  | <b>monodontus</b> Say.<br><i>U. soleniformis</i> Lea.   | 137 | <b>quadrulus</b> Raf.<br><i>U. rugosus</i> Barnes.<br><i>lachrymosus</i> Lea.<br><i>asperrimus</i> Lea.        |
| 123  | <b>mytiloides</b> Raf.<br><i>U. cordatus</i> Raf.<br><i>undatus</i> Barnes.<br><i>pyramidatus</i> Lea.<br><i>solidus</i> Lea. | 138 | <b>rubrum</b> Raf.<br><i>U. coccineus</i> Hild.<br><i>Gouldianus</i> Ward.<br><i>catillus</i> Conr.            |
| 124  | <b>nasutus</b> Say.<br><i>U. rostratus</i> Val.<br><i>Vaughanianus</i> ? Lea.   | 139 | <b>reflexus</b> Raf.<br><i>U. cornutus</i> Barnes.   |
| 125  | <b>nervosus</b> Raf.<br><i>U. donaciformis</i> Lea.<br><i>zig-zag</i> Lea.  | 140 | <b>rectus</b> Lam.<br><i>U. latissimus</i> Raf.<br><i>prælongus</i> Barnes.                                    |
| 126  | <b>nigrum</b> Raf.<br><i>U. cuneatus</i> Barnes.<br><i>gibber</i> Lea.  | 141 | <b>Sayii</b> Ward.   |
| 127  | <b>nodulatus</b> Raf.<br><i>U. pustulatus</i> Lea.  | 142 | <b>siliquoideus</b> Barnes.<br><i>U. inflatus</i> Barnes.<br><i>Hydianus</i> Lea.                              |
| 128  | <b>obliquatus</b> Raf.<br><i>U. sulcatus</i> Lea.<br><i>ridibundus</i> Say.   | 143 | <b>stegarius</b> Raf.<br><i>U. irroratus</i> Lea.  |
| 129  | <b>obovalis</b> Raf.<br><i>U. ebenus</i> Lea.   | 144 | <b>striatus</b> Raf.<br><i>U. Cooperianus</i> Lea.   |
| 130  | <b>Ohioensis</b> Raf.<br><i>U. levissimus</i> Lea.<br><i>inflatus</i> Lea.  | 145 | <b>subrostratus</b> Say.<br><i>U. iris</i> Lea.  |
| 131  | <b>olivarius</b> Raf.<br><i>U. ellipsis</i> Lea.  | 146 | <b>subrotundus</b> Raf.<br><i>U. circulus</i> Lea.<br><i>lens</i> Lea.   |
| 132  | <b>orbiculatus</b> Hild.<br><i>U. abruptus</i> Say.   | 147 | <b>teres</b> Raf.<br><i>U. anodontoides</i> Lea.   |
| 133  | <b>ovatus</b> Say.<br><i>U. globosus</i> Lea.<br><i>capax</i> Green.  | 148 | <b>torsus</b> Raf.   |
| 134  | <b>parvus</b> Barnes.   | 149 | <b>triquetrus</b> Raf.<br><i>U. cuneatus</i> Swains.<br><i>triangularis</i> Barnes.<br><i>formosus</i> Lea.    |
| 134½ | <b>personatus</b> Say.<br><i>U. pileus</i> Lea.<br><i>plenus</i> Lea.<br><i>Sowerbianus</i> Lea.                              | 150 | <b>truncatus</b> Raf.<br><i>U. elegans</i> Lea.  |
| 135  | <b>plicatus</b> Say.<br><i>U. rariplicatus</i> Lam.<br><i>costatus</i> Raf.<br><i>Peruvianus</i> Lam.                         | 151 | <b>tuberculatus</b> Raf.<br><i>U. tuberculosus</i> Val.<br><i>verrucosus</i> Barnes.<br><i>graniferus</i> Lea. |
|      |   | 152 | <b>undulatus</b> Barnes.   |
|      |   | 153 | <b>verrucosus</b> Raf.<br><i>U. tuberculatus</i> Barnes.   |

No.		No.	
154	<b>Anodonta cataracta</b> Say. <i>A. exilis</i> Lea. <i>salmonea</i> Lea. <i>Pepiniana</i> Lea.	158½	<b>Alasmodonta ambigua</b> Say. <i>Unio Hildrethianus</i> Lea.
155	<b>Ferrusaciana</b> Lea.	159	<b>calceola</b> Lea. <i>A. deltoidea</i> Lea.
156	<b>grandis</b> Say. <i>A. plana</i> Lea. <i>decora</i> Lea. <i>gigantea</i> Lea.	160	<b>complanata</b> Barnes.
157	<b>imbecillis</b> Say. <i>A. incerta</i> Lea.	161	<b>costata</b> Raf. <i>A. rugosa</i> Barnes.
158	<b>lata</b> Raf. <i>Unio dehiscens</i> Say. <i>oriens</i> Lea.	162	<b>edentula</b> Say. <i>Anodonta undulata</i> Say. <i>areolata</i> ? Sw. <i>rugosa</i> ? Swains. <i>Wardiana</i> Lea. <i>pavonia</i> Lea. <i>Buchanensis</i> Lea.
		163	<b>truncata</b> Say.

### Say, Conrad, Toumey, Holmes, Morton, &c.—

In the various publications which have appeared on the fossil Shells of America will be found information regarding many species supposed to be identical with recent species.

**Mrs. Sheppard**, of Woodfield, on the recent Shells which characterize Quebec and its environs. (From Transactions of the Literary and Historical Society of Quebec, vol. i, p. 188. Quebec, 1829.)

[Descriptions of genera and species are given.—W. G. B.]

Page.		Page.	
189	<b>Solen</b> ———.	195	<b>Planorbis spirorbis.</b>
190	<b>Mya arenaria.</b>	195	<b>alba?</b>
190	<b>Venus mercenaria.</b>		<i>Helix alba</i> Linn.
191	<b>Unio sinuata.</b>	195	————.
191	<b>radiata.</b>	195	<b>Physa fontinalis.</b>
191	<b>nanca.</b>	195	<b>subopaca.</b>
192	<b>Modiola plicatula.</b>	196	<b>Lymnæa stagnalis.</b>
192	<b>Mytelus borealis.</b>	196	<b>palustris.</b>
192	<b>Ostrea canadensis.</b>	196	<b>Paludina</b> ———.
193	<b>Crepidula fornicata.</b>	196	————.
193	<b>Helix hortensis.</b>	197	<b>Natica magdalena.</b>
194	————.	197	<b>Buccinum</b> ———.
194	<b>Carocolla dubia.</b>	198	————.
194	<b>Succinea amphibia.</b>		

**Rafinesque.**—I have been unable to obtain access to two works of this author, in both of which occur descriptions of Mollusca.

**Rafinesque.**—Journal Encyclopedique de la Sicile.

**Rafinesque.**—Analyse de la Nature, ou Tableau de l'Univers et des corps organisés. Palerme, 1825.

**Jarvis, J.**—On the Tereido, or salt-water worm. (In Proc. Nat. Inst. Washington, New Series, vol. i, No. 2, 1856, pp. 60-67.)

**D'Urban.**—Catalogue of Animals and Plants collected and observed in the valley of the River Rouge and the neighboring townships, in the counties of Argenteuil and Ottawa: by Mr. W. S. M. D'URBAN, Assistant to Sir William Logan, in 1858. (From the Geological Survey of Canada. Report of Progress for the year 1858. Montreal, 1859.)

[Localities, but no descriptions, are given.—W. G. B.]

Page.		Page.	
241	<b>Tebennophorus Caroli-</b> <b>nensis</b> <i>Bosc.</i>	241	<b>Vertigo Gouldii</b> <i>Binney.</i>
241	<b>Succinea obliqua</b> <i>Say.</i>	241	<b>Pupa</b> ———.
241	<b>Helix albolabris</b> <i>Say.</i>	241	<b>Carychium exiguum</b> <i>Say.</i>
241	<b>exoleta</b> <i>Binney.</i>	241	<b>Physa heterostropha</b> <i>Say.</i>
241	<b>monodon</b> <i>Rack.</i>	241	<b>aurea</b> <i>Lea.</i>
241	<b>concava</b> <i>Say.</i>	242	<b>elliptica</b> <i>Lea.</i>
241	<b>pulchella</b> <i>Müll.</i>	242	<b>elongata</b> <i>Say.</i>
241	<b>Sayii</b> <i>Binney.</i>	242	<b>Limnæa exigua</b> <i>Lea.</i>
241	<b>labyrinthica</b> <i>Say.</i>	242	<b>galbanus</b> <i>Say.</i>
241	<b>alternata</b> <i>Say.</i>	242	<b>plicata</b> <i>Lea.</i>
241	<b>striatella</b> <i>Anth.</i>	242	<b>reflexa</b> <i>Say.</i>
241	<b>arborea</b> <i>Say.</i>	242	<b>umbilicata</b> <i>Say.</i>
241	<b>chersina</b> <i>Say.</i>	242	<b>Planorbis trivolvis</b> <i>Say.</i>
241	<b>lineata</b> <i>Say.</i>	242	<b>bicarinatus</b> <i>Say.</i>
241	<b>Bulimus marginatus</b> <i>Say.</i>	242	<b>campanulatus</b> <i>Say.</i>
241	<b>Achatina lubrica</b> <i>Müll.</i>	242	<b>parvus</b> <i>Say.</i>
		242	<b>deflectus</b> <i>Say.</i>

Page.		Page.	
242	<i>Paludina decisa</i> Say.	243	<i>Anodonta fragilis</i> Linn.
242	<i>Valvata tricarinata</i> Say.	243	<i>Footiana</i> Lea.
242	<i>Unio complanatus</i> Lea.	243	<i>Cyclas similis</i> Say.
242	<i>Margaritana rugosa</i> Barnes.	243	<i>partumeia</i> ? Say.
242	<i>Anodonta cygnea</i> ? Linn.	243	<i>dubia</i> ? Say.
243	<i>edentula</i> Say.		

**Bell.**—Catalogue of Animals and Plants collected and observed on the southeast side of the St. Lawrence, from Quebec to Gaspé, and in the counties of Rimouski, Gaspé and Bonaventure: by Mr. ROBERT BELL, Jr., Assistant to Mr. James Richardson, Geological Explorer under Sir William Logan, in 1858. (From same as last, p. 243.)

Page.		Page.	
251	<i>Helix alternata</i> Say.	252	<i>Limnæa catascopium</i> Say.
251	<i>albolabris</i> Say.	252	<i>apacina</i> Lea.
251	<i>monodon</i> Rack.	252	<i>acuta</i> Lea.
251	<i>Sayii</i> Binney.	252	<i>umbilicata</i> Say.
251	<i>concava</i> Say.	252	<i>reflexa</i> Say.
251	<i>hortensis</i> Müll.	252	<i>pallida</i> Ad.
251	<i>arborea</i> Say.	252	<i>modicella</i> Say.
251	<i>striatella</i> Anth.	252	<i>parva</i> Lea.
251	<i>lineata</i> Say.	252	<i>decollata</i> Say.
251	<i>labyrinthica</i> Say.	252	<i>alternata</i> .
252	<i>pulchella</i> Müll.	253	<i>Planorbis trivolvis</i> Say.
252	<i>asteriscus</i> Morse.	253	<i>campanulatus</i> Say.
252	<i>chersina</i> Say.	253	<i>bicarinatus</i> Say.
252	—	253	<i>parvus</i> Say.
252	<i>Succinea avara</i> Say.	253	<i>deflectus</i> Say.
252	<i>ovalis</i> Gould.	253	<i>Ammicola porata</i> Say.
252	<i>obliqua</i> Say.	253	<i>Valvata tricarinata</i> Say.
252	<i>Achatina lubrica</i> Müll.	253	<i>humeralis</i> Say.
252	<i>Bulimus harpa</i> Say.	253	<i>sincera</i> Say.
252	<i>Vitrina pellucida</i> Dr. [Gld.]	253	<i>Fusus scalariformis</i> Gould.
252	<i>Pupa (Vertigo) simplex</i>	253	<i>gracilis</i> Alder.
252	<i>Physa heterostropha</i> Say.	253	<i>tornatus</i> Gould.
252	<i>aurea</i> Lea.	253	<i>decemcostatus</i> Say.
252	<i>elongata</i> Say.	253	<i>rufus</i> Gould.
252	<i>ancillaria</i> Say.	253	<i>Bamffius</i> Flem.
252	<i>marginata</i> Say.	253	<i>Bela cancellata</i> M. & A.
252	<i>Limnæa stagnalis</i> Linn.	253	<i>Pleurotoma bicarinata</i> ? Couth.
252	<i>caperata</i> Say.		
252	<i>umbrosa</i> Say.	253	<i>Buccinum undatum</i> L.

Page.		Page.	
253	<b>Buccinum Donovanii</b> Gray.	254	<b>Solen ensis</b> Linn.
253	<b>Nassa trivittata</b> Say.	254	<b>Tellina proxima</b> Brown.
253	<i>obsoleta</i> Say.	254	<i>Grœnlandica</i> Beck.
253	<b>Purpura lapillus</b> Lam.	254	<b>Mactra ovalis</b> Gould.
253	<b>Trichotropis borealis</b> Sowb.	254	<b>Mesodesma arcatum</b> Gld.
253	<b>Velutina haliotoides</b> Müll.	254	<b>Venus gemma</b> Totten.
253	<b>Lamellaria perspicua</b> Loven.	254	<b>Aphrodite Grœnlandica</b> St.
253	<b>Natica heros</b> Say.	254	<b>Cardium Islandicum</b> Linn.
	<i>N. ampullaria</i> Lam.	254	<b>Cardita borealis</b> Conr.
253	<i>clausa</i> Br. & Sowb.	254	<b>Astarte sulcata</b> Costa.
253	<i>triseriata</i> Say.	254	<i>elliptica</i> Brown.
253	<i>flava</i> Gould?	254	<i>compressa</i> Mont.
253	<i>helicoides</i> Johnston.	254	<b>Lucina flexuosa</b> Gould.
253	<b>Chemnitzia</b> ———.	254	<b>Lima subauriculata</b> Mont.
253	<b>Aphorhais occidentalis</b>	254	<b>Mytilus edulis</b> Linn.
253	<b>Rissoa minuta</b> St. [Gould.	255	<b>Modiola discors</b> Linn.
253	<b>Lacuna vincta</b> Turt.	255	<i>plicatula</i> Lam.
253	<b>Littorina littoralis</b> F. & H.	255	<i>glandula</i> Totten.
	<i>L. palliata</i> Gould.	255	<i>pectinula</i> Gould.
254	<i>rudis</i> Gould.	255	<i>nexa</i> Gould.
	<i>L. tenebrosa</i> Gould.	255	<b>Nucula myalis</b> Couth.
254	<b>Margarita cinerea</b> Gould.	255	<i>tenuis</i> Turt.
254	<i>undulata</i> Sowb.	255	<b>Pecten Magellanicus</b> Lam.
254	<i>helicina</i> Müll.	255	<i>Islandicus</i> Müll.
254	<b>Skenea costulata</b> F. & H.	255	<b>Anomia ephippium</b> Linn.
254	<b>Diadora Noachina</b> Gray.	255	<b>Unio complanatus</b> Lea.
254	<b>Crepidula fornicata</b> Lam.	255	<b>Margaritana arcuata</b> Barnes.
254	<b>Acmaea testudinalis</b> Hanl.	255	<b>Anodonta subcylindracea</b>
254	<i>cœca</i> .	255	————— [Lea.
254	<b>Chiton marmoreus</b> Fabr.	255	<i>edentula</i> Say.
254	<b>Pholas crispata</b> Linn.	255	<i>fragilis</i> Lam.
254	<b>Saxicava rugosa</b> Lam.	255	<i>implicata</i> Say.
254	<b>Mya arenaria</b> Linn.	255	<b>Cyclas similis</b> Say.
254	<i>truncata</i> Linn.	255	<i>dubia</i> ? Say.
254	<b>Glycimeris siliqua</b> Lam.	255	—————.
254	<b>Osteodesma hyalina</b> Couth.	255	<b>Hippothyris psittacea</b> King.
254	<b>Machæra costata</b> Gould.		



**Russell.**—Retrospect of some of the Shells found in Essex County: by Rev. JOHN LEWIS RUSSELL. (From Journal of the Essex County Natural History Society. Third and last number. Salem, Mass., 1852.)

[No descriptions are given.—W. G. B.]

Page.		Page.	
110	<i>Anodon fluviatilis</i> Lea.	112	<i>Mesodesma arcata</i> .
110	<i>implicatus</i> Say.	112	<i>Modiola discrepans</i> Mont.
111	<i>Astarte castanea</i> Say.	112	<i>modiolus</i> Turt.
111	<i>Anomia ehippium</i> Linn.	112	<i>plicatula</i> Lam.
111	<i>Ancylus rivularis</i> Say.	112	<i>Mytilus edulis</i> Linn.
111	<i>Auricula bidentata</i> .		<i>M. pellucidus</i> Penn.
111	<i>Buccinum obsoletum</i> Ad.	112	<i>pellucidus</i> .
111	<i>plicosum</i> Mke.	112	<i>Mya arenaria</i> Linn.
111	<i>trivittatum</i> Ad.	112	<i>Natica clausa</i> Br. & Sowb.
111	<i>undatum</i> Linn.	112	<i>heros</i> Say.
111	<i>Bulla triticea</i> Couth.	112	<i>triseriata</i> Say.
111	<i>Cancellaria Couthouyi</i> Jay.	112	<i>Nucula limatula</i> Say.
111	<i>Cardium pinnatulum</i> Conr.	112	<i>minuta</i> Turt.
111	<i>Crepidula fornicata</i> Lam.	112	<i>myalis</i> Couth.
111	<i>plana</i> Say.	112	<i>Pandora trilineata</i> Say.
111	<i>Chiton fulminatus</i> Couth.	112	<i>Pecten magellanicus</i> Lam.
111	<i>Cingula minuta</i> .	112	<i>Petricola pholadiformis</i>
111	<i>Cochloidesma Leana</i> Conr.	112	<i>Pholas crispata</i> Linn. [Lam.
111	<i>Cumingia tellinoides</i> Conr.		<i>P. lamellata</i> Turt.
111	<i>Cyprina islandica</i> Lam.	112	<i>Purpura lapillus</i> Lam.
111	<i>Fusus decemcostatus</i> Say.		<i>P. imbricata</i> .
111	<i>islandicus</i> Mart.	112	<i>Pyramis striatula</i> Couth.
111	<i>harpularius</i> Couth.	112	<i>Rostellaria occidentalis</i>
111	<i>Glycimeris siliqua</i> Lam.		Beck.
111	<i>Lacuna vincta</i> .	112	<i>Sanguinolaria fusca</i> Conr.
111	<i>Littorina palliata</i> .	112	<i>sordida</i> Couth.
111	<i>rudis</i> .	112	<i>Saxicava distorta</i> Say.
111	<i>tenebrosa</i> .	112	<i>Scalaria Grænlandica</i> Chem.
111	<i>Lottia alveus</i> .	112	<i>Solen ensis</i> Linn.
111	<i>testudinalis</i> .	113	<i>Solemya velum</i> Say.
111	<i>Machæra costata</i> .	113	<i>Thracia Conradi</i> Couth.
111	<i>Macra solidissima</i> Chemn.	113	<i>Tellina polita</i> Say.
111	<i>Margarita arctica</i> Leach.	113	<i>tenera</i> Say.
111	<i>cinerea</i> .	113	<i>Terebratula caput-ser-</i>
112	<i>obscura</i> .		<i>pentis</i> Lam.
112	<i>undulata</i> Sowb.	113	<i>Teredo navalis</i> Linn.

Page.		Page.	
113	<b>Trichotropis borealis</b> Sowb. <i>T. costellatus</i> Couth.	113	<b>Venus gemma</b> Totten. <i>mercenaria</i> Linn.
113	<b>Turritella erosa</b> Couth.	113	<b>Velutina lævigata.</b> <i>V. rupicola</i> Conr. not <i>Oxynoe glabra.</i>
113	<b>Unio complanatus</b> Lea.		
113	<b>nasutus</b> Say.		
113	<b>radiatus</b> Barnes.		

**Russell.**—Conspectus of Shells found in Essex County, &c. :  
by J. H. RUSSELL. (From same as last, p. 126.)

[No descriptions are given.—W. G. B.]

Page.		Page.	
127	<b>Adeorbis costulata</b> St.	129	var. <b>pygmæus</b> Gould. <i>Trytonium pygmæum</i> St.
127	<b>Amicula vestita</b> St. <i>Chiton Emersonii</i> Couth.	129	<b>Helix albolabris</b> Gould.
127	<b>Ancylus fuscus</b> Ad.	129	<b>alternata</b> Gould.
127	<b>Anodon implicata</b> Gould.	129	<b>arborea</b> Gould.
128	<b>Anomia ehippium</b> Linn.	129	<b>electrina</b> Gould.
128	var. <b>aculeata.</b>	129	<b>exigua</b> Gould.
128	<b>squamula.</b>	129	<b>hortensis</b> Gould. <i>Helix subglobosa</i> Binney.
128	<b>Astarte castanea</b> Gould.	129	<b>indentata</b> Gould.
128	<b>quadrans</b> Gould.	129	<b>labyrinthica</b> Gould.
128	<b>sulcata</b> Gould.	129	<b>lineata</b> Gould.
128	<b>Buccinum plicosum</b> Gould.	129	<b>minuscula</b> Gould.
128	<b>undatum</b> Linn.	129	<b>pulchella</b> Gould.
128	<b>Bulimus lubricus</b> Gould.	129	<b>chersina</b> Gould.
128	<b>Bulla punctostriata</b> St.	129	—
128	<b>triticea</b> Gould.	130	<b>Kellia rubra</b> Gould.
128	<b>Cemoria Noachina</b> Gould.	130	<b>Leda limatula</b> St.
128	<b>Chiton albus</b> Gould.	130	<b>myalis</b> St. <i>Nucula myalis</i> Gould.
128	<b>marginatus</b> Gould.	130	<b>sapotilla</b> St. <i>Nucula sapotilla</i> Gould.
128	<b>ruber</b> Gould.	130	<b>Ancylus fuscus</b> Gould.
128	<b>Cingula minuta</b> Gould.	130	<b>Limnæa columella</b> Gould.
128	<b>Cochlodesma Leana</b> Couth. <i>Anatina Leana</i> Conr.	130	<b>elodes</b> Gould.
128	<b>Columbella Gouldiana?</b> St.	130	<b>macrostoma</b> Gould.
129	<b>Cumingia tellinoides</b> Gould.	130	<b>modicellus</b> Gould.
129	<b>Cyclas dubia</b> Gould.	130	<b>umbilicata</b> Gould.
129	<b>partumeia</b> Gould.	130	<b>Planorbis armigerus</b> Gould.
129	<b>Dentalium dentale</b> Gould.	130	<b>bicarinatus</b> Gould.
129	<b>Fusus decemcostatus</b> Gld.	130	<b>campanulatus</b> Gould.
129	<b>harpularius</b> Gould.	130	<b>deflectus</b> Gould.
129	<b>islandicus</b> Gould. <i>Tritonium islandicum</i> Loven.	130	<b>exacutus</b> Gould.

Page.		Page.	
130	<b>Planorbis elevatus</b> Gould.	131	<b>Pecten Magellanicus</b> Gld.
130	<i>hirsutus</i> Gould.	131	<b>Philine formosa</b> St.
130	<i>lentus</i> Gould.	131	<b>Pleurotoma bicarinata</b> Gld.
130	<b>Physa ancillaria</b> Gould.	132	<i>violacea</i> St.
130	<i>elongata</i> Gould.	132	<b>Pupa curvidens</b> Gould.
130	<i>heterostropha</i> Gould.	132	<b>Rissoa eburnea</b> St.
130	<b>Lucina radula</b> Gould.	132	<i>multilineata</i> St.
131	<b>Mactra lateralis</b> Gould.	132	<i>pelagica</i> St. [Migh.
131	<b>Margarita arctica</b> Gould.		<i>Cingula semicostata</i>
131	<i>argentata</i> Gould.	132	<b>Scalaria Grœnlandica</b> Gld.
131	<i>obscura</i> Gould.	132	<i>Novangliæ</i> Couth.
131	<i>undulata</i> Gould.	132	<b>Solemya velum</b> Gould.
131	<b>Menestho albula</b> St.	132	<b>Solen ensis</b> Linn.
	<i>Pyramis striatula</i> Couth.	132	<b>Succinea campestris</b> Gould.
131	<b>Mesodesma arcata</b> Gould.	132	<i>ovalis</i> Gould.
131	<b>Nassa trivittata</b> Say.	132	<b>Terebratula septen-</b>
	<i>Buccinum trivittatum</i>		<i>trionalis</i> Gould.
131	<b>Natica flava</b> Gould. [Gould.	132	<b>Teredo dilatata</b> St.
131	<i>immaculata</i> Gould.	132	<b>Thracia truncata</b> Migh.
131	<i>pusilla</i> Gould. [Migh.	133	<b>Turritella acicula</b> St.
131	<b>Nucula delphinodonta</b>	133	<i>areolata</i> St.
131	<b>Osteodesma Hyalina</b> Gould.	133	<b>Velutina haliotoides</b> Möll.
131	<b>Paludina decisa</b> Gould.	133	<i>zonata</i> Gould.
131	<b>Pandora trilineata</b> Gould.		

**Shumard.**—A Catalogue of the fluviatile Shells belonging to the family of Naiades of Jefferson County, Kentucky: by B. F. SHUMARD, M. D., Louisville, Kentucky. (From the Naturalist, and Journal of Agriculture, Horticulture, Education and Literature, &c., at Franklin College, Tennessee, vol. i, No. 3. March, 1846.)

[The title of this catalogue was given by me on p. 427. Since the printing of that page I have received the work, through the kindness of J. G. Anthony, Esq. No descriptions are given.—W. G. B.]

Page.		Page.	
105	<b>Unio alatus</b> Say.	105	<b>Unio bullatus</b> Raf.
	<i>U. megapterus</i> Raf.		<i>U. verrucosus albus</i> Say.
105	<b>asperimus</b> Lea.		<i>pustulosus</i> Lea.
	<i>U. lachrymosus</i> Lea.		<i>Dorfeuillanus</i> Lea.
	<i>quadrulus</i> Say.		<i>prasinus</i> Conr.
105	<b>anodontoides</b> Lea.	105	<b>cardium</b> Raf.
	<i>U. teres</i> Raf.		<i>U. subovatus</i> Lea.
	<i>teres</i> Conr.		<i>ventricosus</i> Barnes.

- | Page. |   | Page. |  |
|-------|---|-------|--|
| 105   | <b>Unio cicatricosus</b> Say.<br><i>U. varicosus</i> Lea.   | 105   | <b>Unio rubiginosus</b> Lea.<br><i>rectus</i> Lam.   |
| 105   | <b>cyphius</b> Raf.<br><i>U. Aesopus</i> Green.   | 105   | <i>U. praelongus</i> Bar.  |
| 105   | <b>clavus</b> Lam.<br><i>U. scalenia</i> Raf.<br><i>modioliformis</i> Say.                            | 106   | <b>cornutus</b> Bar.<br><i>U. reflexus</i> Raf.  |
| 105   | <b>crassus</b> Say.<br><i>U. ellipticus</i> Bar.<br><i>carinatus</i> Bar.                             | 106   | <b>dilatatus</b> Raf. & Conr.<br><i>U. gibbosus</i> Bar.<br><i>arctior</i> Lea.<br><i>nasutus</i> Lam. |
| 105   | <b>cylindricus</b> Say.<br><i>U. solenoides</i> Raf.<br><i>naviformis</i> Lam.                        | 106   | <b>ebenus</b> Lea.<br><i>U. mytiloides</i> Conr.   |
| 105   | <b>crassidens</b> Lam.<br><i>U. cuneatus</i> Bar.<br><i>niger?</i> Raf.<br><i>soleniformis</i> Lea.   | 106   | <b>elegans</b> Lea.  |
| 105   | <b>multiplicatus</b> Lea.<br><i>U. heros</i> Say.<br><i>undulatus</i> Say.                            | 106   | <b>foliatus</b> Hild.<br><i>U. flexuosus</i> Raf.  |
| 105   | <b>nodulatus</b> Raf.<br><i>U. pustulatus</i> Lea.  | 106   | <b>fabalis</b> Lea.<br><i>U. lapillus</i> Say.   |
| 105   | <b>occidens</b> Lea.<br><i>U. ventricosus</i> Say.  | 106   | <b>gracilis</b> Bar.<br><i>U. fragilis</i> Swains.   |
| 105   | <b>Ohioensis</b> Raf.<br><i>U. laevissimus</i> Lea.   | 106   | <b>glans</b> Lea.  |
| 105   | <b>ovatus</b> Say.<br><i>U. globosus</i> Lea.<br><i>capax</i> Green.                                  | 106   | <b>iris</b> Lea.<br><i>U. subrostratus</i> Bar.  |
| 105   | <b>ollivarius</b> Raf.<br><i>U. ellipsis</i> Lea.   | 106   | <b>irroratus</b> Lea.<br><i>U. verrucosus albus</i> Hild.  |
| 105   | <b>orbiculatus</b> Hild.<br><i>U. abruptus</i> Say.<br><i>crassus</i> Conr.                           | 106   | <b>metanever</b> Lea.<br><i>U. nodosus</i> Barnes.   |
| 105   | <b>phaseolus</b> Hild.<br><i>U. planulatus</i> Lea.<br><i>cuneatus</i> Bar.                           | 106   | <b>monodontus</b> Say.<br><i>U. latissimus</i> Raf.  |
| 105   | <b>perplexus</b> Lea.<br><i>U. gibbosus</i> Conr.   | 106   | <b>siliquoides</b> Bar.<br><i>U. inflatus</i> Bar.   |
| 105   | <b>Sayii</b> Ward.  | 106   | <b>pyramidatus</b> Lea.  |
| 105   | <b>plicatus</b> Less.<br><i>U. rariplicata</i> Lam.<br><i>Peruvianus</i> Lam.<br><i>costatus</i> Raf. | 106   | <b>subrotundus</b> Raf.<br><i>U. circulus</i> Lea.   |
| 105   | <b>parvus</b> Bar.  | 106   | <b>sulcatus</b> Lea.<br><i>U. ridibundus</i> Say.  |
|       |   | 106   | <b>securis</b> Lea.<br><i>U. depressa</i> Raf.   |
|       |   | 106   | <b>tenuissimus</b> Lea.<br><i>U. velum</i> Say.<br><i>Anodonta purpurascens</i>                        |
|       |   | 106   | <b>torsus</b> Raf. [Swains.]   |
|       |   | 106   | <b>triangularis</b> Bar.<br><i>U. formosus</i> Lea.<br><i>cuneatus</i> Swains.                         |
|       |   | 106   | <b>tuberculatus</b> Bar.   |

Page.		Page.	
106	<b>Unio verrucosus</b> Bar.	106	<b>Anodonta plana</b> Lea.
	<i>U. tuberculatus</i> Raf.		<i>A. declivis</i> Conr.
	<i>verrucosus purpureus</i>	106	<b>Ferussaciana</b> Lea.
106	<b>zig-zag</b> Lea. [Hild.	106	<b>exilis</b> Lea.
106	<b>Alasmodonta complanata</b>		<i>A. salmone</i> Lea.
	[Bar.	106	<b>imbecilis</b> Say.
106	<b>calceola</b> Lea.		<i>A. incerta</i> Lea.
	<i>Margaritana deltoidea</i>	106	<b>lata</b> Raf.
106	<b>rugosa</b> Bar. [Lea.		<i>Unio dehiscens</i> Say.
	<i>A. abducta</i> Say.		<i>A. oriens</i> Lea.
106	<b>Anodonta grandis</b> Say.		
	<i>A. corpulenta</i> Cooper.		



PART I.  
INDEX OF AMERICAN AUTHORS.

---

ADAMS, C. B.

- In Silliman's American Journal of Science, 63, 65, 73, 80, 81, 82, 91, 317, 405, 488.
- In Proceedings of Boston Society of Natural History, 357, 531, 534, 535.
- In Boston Journal of Natural History, 345, 346, 348, 349.
- In Proceedings of American Association for the Advancement of Science, 489, 500.
- In Annals of the Lyceum of Natural History of New York, 564-581.
- In Marcy's Exploration of the Red River of Louisiana, 236.
- Catalogue of Genera and Species of Recent Shells in the Collection of C. B. Adams, 325, 488.
- Monograph of genus *Stoastoma*, 489.
- Monograph of genus *Vitrinella*, 489.
- In Thomson's History of Vermont, 91.
- Contributions to Conchology, 490-503, 564-581. (See also CHITTY.)

AGASSIZ, L.

- In Proceedings of American Association for the Advancement of Science, 159, 429.
- In Proceedings of the American Philosophical Society, 425.
- In Proceedings of Boston Society of Natural History, 362, 363, 371.
- Principles of Zoology, 319. (See also GOULD.)
- From the Archiv für Naturgeschichte, 477.
- From the Zeits. für Wissenschaftliche Zoologie, 478.
- From Mém. de la Soc. des Sc. Nat. de Neuchatel, 613.
- From Bull. de la Soc. Sc. Nat. Neuchatel, 613.
- From Bull. Soc. Imp. Natur. Moscou, 613.

AKERLY, S.

- From American Monthly Magazine and Critical Review, 326.

## ANONYMOUS.

- From the Monthly American Journal of Geology and Natural Science, 15.
- From A Perfect Description of Virginia, &c., 425.
- From the Canadian Naturalist and Geologist, 429.
- From Silliman's American Journal, &c., 53, 80, 318, 319.
- From the Naturalist, 405.

## ANTHONY, J. G.

- From the Annals of the New York Lyceum of Natural History, 239, 240.
- From the Proceedings of the Boston Society of Natural History, 357, 363.
- From the Boston Journal of Natural History, 346, 348, 360.
- From the Proceedings of the Academy of Natural Sciences of Philadelphia, 372.
- From Haldeman's Monograph of Limniades, 457.
- From the Annals and Magazine of Natural History, 425.
- List of Land and Fresh Water Shells found chiefly in the vicinity of Cincinnati, Ohio, 74, 76.

## BARNES, D. H.

- From Silliman's American Journal of Science, 6, 9, 483.
- From the Annals of the Lyceum of Natural History of New York, 8, 561, 562.

## BELL, R., JR.

- From the Canadian Naturalist and Geologist, 431.
- From Geological Survey of Canada, 627.

## BILLINGS, E.

- From the Canadian Naturalist and Geologist, 429.

## BINGLEY, W.

- From Useful Knowledge, 483.

## BINNEY, A.

- From the Proceedings of the Boston Society of Natural History, 358, 359, 360.
- From the Boston Journal of Natural History, 343, 347, 348, 350, 353, 526.
- The Terrestrial Air-breathing Mollusks of the United States, 277.

## BINNEY, W. G.

- From the Boston Journal of Natural History, 282, 357.
- From the Proceedings of the Boston Society of Natural History, 370, 371.



- From the Pacific Railroad Report, 248.
- From Explorations in Nebraska, 414.
- Supplement to the Terrestrial Air-breathing Mollusks of the United States, 282.
- From the Proceedings of the Academy of Natural Sciences of Philadelphia, 386, 388, 390, 391-401.
- Complete Writings of Thomas Say on the Conchology of the United States, 254.

**BLAND, T.**

- From the Annals of the Lyceum of Natural History of New York, 241, 242, 595, 596, 597.
- From Silliman's American Journal of Science, 218.
- From Adams' Contributions to Conchology, 501, 502.

**BOSTON SOCIETY OF NATURAL HISTORY.**

- From Hitchcock's Report on Geology of Massachusetts, 43.

**BRANDE.**

- Dictionary of Arts and Sciences, 607.

**BULFINCH.**

- From the Proceedings of the Boston Society of Natural History, 357.

**BURNETT, W. I.**

- In the Proceedings of the Boston Society of Natural History, 367, 368.

**CAILLAUD, F.**

- From Silliman's American Journal of Science, 489.

**CARPENTER, P. P.**

- From the Report of the British Association for the Advancement of Science, 300.
- Catalogue of the Collection of Mazatlan Shells in the British Museum, 458.
- From the Canadian Naturalist and Geologist, 431.
- From the Proceedings of the Academy of Natural Sciences of Philadelphia, 402.
- From Proceedings of the Zoological Society of London, 612.

**CASE, W.**

- From Silliman's American Journal of Science, 341.

**CHICKERING, J. W., JR.**

- List of Marine, Fresh Water and Land Shells found in the vicinity of Portland, Maine, 243.

## CHITTY, E.

From the *Annals of the Lyceum of Natural History of New York*, 568, 598.

From *Contributions to Conchology*, 568. (See also ADAMS.)

## COATES, R.

From the *Journal of the Academy of Natural Sciences of Philadelphia*, 8. (Also from *Annals of Phil.*, *Bull. Sc. Nat.*, *Fraser's Not.*)

*Reminiscences of a Voyage to India*, 485.

## CONRAD, T. A.

From *Silliman's American Journal of Science*, 15, 23, 63, 337, 338, 339, 340, 342, 383, 384, 387, 388, 552, 553.

From the *Proceedings of the Academy of Natural Sciences of Philadelphia*, 371, 372, 373, 374, 383, 384, 387, 388, 551, 552-557.

From the *Journal of the Academy of Natural Sciences of Philadelphia*, 12, 53, 99, 327, 332, 337, 403, 404, 405, 419, 520, 521, 560.

From the *Report of the United States Dead Sea Expedition*, 503.

*American Marine Conchology*, 36.

*New Fresh Water Shells*, 23.

*Monograph of the Family Unionidæ*, 30-36.

From *Say's American Conchology*, 273.

From the *Advocate of Science, &c.*, 317.

## COOPER, W.

From the *Natural History of Washington Territory and Pacific Railroad Report*, 274, 427.

From *Schoolcraft's Narrative of an Expedition through the Upper Missouri, &c.*, 406.

## COUTHOUY, J. P.

From *Silliman's American Journal of Science*, 52, 64, 318, 487.

From the *Boston Journal of Natural History*, 344, 345, 526.

## CURRIER, A. O.

List of Shells collected in Grand River Valley, 330.

## DANA, J. D.

From *Silliman's American Journal of Science*, 520.

## DAWSON, J. W.

From the *Canadian Naturalist and Geologist*, 430.

## DEKAY, J. E.

From the *Report of the Mollusca of New York*, 57, 58, 100.

- DESOR, E.  
From the Proceedings of the Boston Society of Natural History, 366,  
457.
- DEWEY, C.  
From the Reports of the State Cabinet of Natural History (New York)  
428.
- D'URBAN, W. S. M.  
From Geological Survey of Canada, 626.
- EARLE, J. M.  
From Hitchcock's Report on the Geology of Massachusetts, 42.
- EATON, A.  
Zoological Text Book, 415, 484.
- EATON, H. (and C. W. SHORT, q. v.)  
From the Transylvania Journal of Medicine, 13.
- EDINBURGH ENCYCLOPEDIA, 607.
- ENCYCLOPEDIA AMERICANA, 607.
- FAIRBANK, S. B.  
From the Annals of New York Lyceum of Natural History, 595.
- GARRATT.  
From the Proceedings of the California Academy of Natural Sciences,  
561.
- GIBBES, L. R.  
From Toumey's Geological Report of South Carolina, 154.
- GILL, T.  
From the Annals of the Lyceum of Natural History of New York, 600.
- GIRARD, C.  
From the Proceedings of the National Institute, 328.  
From the Proceedings of the Boston Society of Natural History, 362,  
364, 368.
- GOODRICH, S. G.  
Illustrated Natural History, 606.  
Pictorial Natural History, 607.
- GOULD, A. A.  
From Silliman's American Journal of Science, 65, 72, 73, 341, 342.

- From Proceedings of the Boston Society of Natural History, 154, 357-363, 368, 370, 530, 534-543, 560.
- From the Boston Journal of Natural History, 348, 349, 353, 355, 527, 529.
- From the Proceedings of the Zoological Society of London and Annals of Natural History, 612.
- From the U. S. Naval Astronomical Expedition, 521.
- Principles of Zoology (and L. AGASSIZ), 319.
- From the Appendix to Blake's Pacific Railroad Report, 409.
- From the Pacific Railroad Report, 411.
- From the Report of the Commissioners of the Zoological Survey of the State (Massachusetts), 414.
- Lamarck's Genera of Shells, 320.
- Invertebrata of Massachusetts, 82.
- Mollusca of Wilkes' Exploring Expedition, 417, 504.
- From Agassiz' Lake Superior, 158.
- From Binney's Terrestrial Mollusks, 277.
- From the Geological Report of Maine, 335.
- A System of Natural History, &c., 607.

**GREEN, J.**

- From the Transactions of the Albany Institute, 110, 111.
- From the Contributions of the Maclurian Lyceum, 8, 484.
- From Doughty's Cabinet of Natural History, 14, 427, 484.

**GREENE, T. A.**

- From Hitchcock's Report of the Geology of Massachusetts, 39.
- From the Proceedings of the Boston Society of Natural History, 357.

**GREGORY.**

- Dictionary of Arts and Sciences, 607.

**GULICK, J. T.**

- From the Annals of the Lyceum of Natural History of New York, 598.

**HAINES, W. A.**

- From the Annals of the Lyceum of Natural History of New York, 598.

**HALDEMAN, S. S.**

- From Silliman's American Journal of Science, 80, 318, 457.
- From the Boston Journal of Natural History, 354.
- From the Proceedings of the Academy of Natural Sciences of Philadelphia, 351, 372, 373, 551.
- From the Journal of the Academy of Natural Sciences of Philadelphia, 100.
- Monograph of Limniades, 65.
- From the Iconographic Encyclopedia, 248.

From Rupp's History of Lancaster County, 334.  
Monographie du genre *Leptoxis*, 333.

HANCOCK, A.

From Silliman's American Journal of Science, 488.

HARRIS, T. M.

From the Memoirs of the American Academy of Arts and Sciences,  
546.

HARTMAN, W. D.

Catalogue of Mollusks of Chester County, &c., 160.

HIGGINS, F.

Catalogue of Ohio Shells, 249.

HILDRETH, S. P.

From Silliman's American Journal of Science, 9, 319, 331.  
Catalogue of Shells of Marietta, 331.

HODGE, J. T.

From Appleton's Encyclopedia, 607.

HOLMES, F. S.

From the Proceedings of the Elliott Natural History Society, 243.

HUBBARD, E. W.

Catalogue of Shells of Ohio, 621.

HUNT, W.

The Cabinet of Nature and Philosophy, 486.

"INVESTIGATOR."

From the Monthly American Journal of Geology and Natural Science,  
15.

JACKSON, C. T.

From the Proceedings of the Boston Society of Natural History, 359.

JARVIS, J.

From the Proceedings of the National Institute, 626.

JAY, J. C.

From Silliman's American Journal of Science, 487.

From the Annals of the Lyceum of Natural History of New York, 562.

From the Japan Expedition Report, 522.

Catalogue of Shells, 46, 52, 64, 172, 212, 214, 215, 486.

**KELLER, W.**

From the Proceedings of the Academy of Natural Sciences of Philadelphia, 374.

**KENNICOTT, R.**

From the Transactions of the Illinois State Agricultural Society, 326.

**KIRTLAND, J. P.**

From Silliman's American Journal of Science, 22, 53, 73, 336.

From the Ohio Geological Report, 54.

From the Proceedings of the American Association for the Advancement of Science, 326.

From the Annals of Science, &c., 427.

From Archiv für Nat.

**KURTZ, J. D.**

From the Proceedings of the Boston Society of Natural History, 365.

**LAHONTAN.**

New Voyages to North America, &c., 426.

**LAPHAM, I. A.**

From the Transactions of the Wisconsin State Agricultural Society, 218.

**LEA, H. C.**

From Silliman's American Journal of Science, 80.

From Boston Journal of Natural History, 354.

From the Proceedings of the Boston Society of Natural History, 360.

From the Proceedings of the Zoological Society of London, 611. (Also by I. LEA.)

**LEA, I.**

From the Proceedings of the American Philosophical Society, 242, 422-425, 525.

From the Transactions of the American Philosophical Society, 433, 434, 436, 437, 441-443, 446-449, 451, 452, 503, 547-551.

From the Proceedings of the Academy of Natural Sciences of Philadelphia, 372, 374, 384-402, 551, 552, 553, 555-558, 606.

From the Journal of the Academy of Natural Sciences of Philadelphia, 453, 454, 456, 550.

From the Proceedings of the Zoological Society of London and the Annals of Natural History, 611, 612. (Vide also H. C. LEA.)

Synopsis of the family of Naiades, 52, 220, 230, 503.

From Explorations in Nebraska, &c., 413.

Reprint of Papers, &c., 427.

Faunus von Gist., 436.

**LEIDY, J.**

- From Silliman's American Journal of Science, 327.  
From the Proceedings of the Boston Society of Natural History, 360.  
From the Boston Journal of Natural History, 529.  
From the Proceedings of the Academy of Natural Sciences of Philadelphia, 372, 373.  
From the Journal of the Academy of Natural Sciences of Philadelphia, 327.  
From Binney's Terrestrial Mollusks of the United States, 277.

**LESUEUR, C. A.**

- From the Journal of the Academy of Natural Sciences of Philadelphia, 6, 8, 558, 559.  
From Nouv. Bull. Sc. Soc. Philom., 612.  
From Ann. du Muséum, 612.

**LEWIS, J.**

- From the Proceedings of the Boston Society of Natural History, 368, 369, 370.  
From the Proceedings of the Academy of Natural Sciences of Philadelphia, 385.

**LINSLEY, J. H.**

- From Silliman's American Journal of Science, 126.

**LYMAN, T.**

- From the Proceedings of the Boston Society of Natural History, 371.

**MAYO, C.**

- Conchology for Schools, 607.

**MIGHELS, J. W.**

- From the Proceedings of the Boston Society of Natural History, 357, 359, 532.  
From the Boston Journal of Natural History, 349, 350, 353.

**MITCHELL, S. L.**

- From Silliman's American Journal of Science, 320.

**MORSE, E. S.**

- From the Proceedings of the Boston Society of Natural History, 370, 371.

**MUSSEY, R. D.**

- From the Proceedings of the National Institute, 428.

**NEWBERRY, J. S.**

- From Proceedings of the American Association for the Advancement of Science, 159.

## NEWCOMB, W.

From the Annals of the Lyceum of Natural History of New York, 594,  
596, 600.

From the Proceedings of the Boston Society of Natural History, 543.

From the Proceedings of the Zoological Society of London, 612.

## NICKLIN, P. H.

From the Transactions of the American Philosophical Society, 10.

From Silliman's American Journal of Science, 80.

## PARKER, S. J.

From the Proceedings of the American Association for the Advance-  
ment of Science, 429.

## PARKINSON, J. C.

From the Proceedings of the Boston Society of Natural History, 543.

## PHILLIPS, J. S.

From the Proceedings of the Academy of Natural Sciences of Phila-  
delphia, 371, 372, 551.

From the Journal of the Academy of Natural Sciences of Philadel-  
phia, 99.

## PILKINGTON.

Natural History, 607.

## PLUMMER, J. T.

From Silliman's American Journal of Science, 125.

## POE, E. A.

The Conchologist's First Book, 324.

## POULSON, C. A.

Translation of Rafinesque's Monograph of Fluviatile Bivalves, &c., 1.

## POURTALES, L. F.

From Proceedings of the American Association for the Advancement  
of Science, 336.

## PRESCOTT W.

Catalogue of Massachusetts Shells, 92.

## PRIME, T.

From the Annals of the Lyceum of Natural History of New York, 172,  
238, 274, 605.

From the Proceedings of the Boston Society of Natural History, 364,  
365, 367.

From the Boston Journal of Natural History, 354.

Notes on some American species of *Cyclas*, &c., 248.



## RAFINESQUE, C. S.

- From Enumeration and Account, &c., 14.  
 Précis des Découvertes, &c., 403.  
 From the American Monthly Magazine, 324, 325.  
 The Good Book, &c., 488.  
 From the Journal de Physique, &c., 327, 402.  
 From the Isis, 402.  
 From Annales Générales des Sciences Physiques, &c., 1. (Translated  
 by POULSON, q. v.)  
 From Continuation of a Monograph, &c., 4, 546.  
 From Annals of Nature, 6.  
 From the Atlantic Journal, 317, 485.  
 From Journal Encyclopédique de la Sicile, 626.  
 From Analyse de la Nature, 626.

## RAVENEL, E.

- From the Proceedings of the Elliott Society of Natural History, 249.  
 Catalogue of Recent Shells, 16.

## READ, W.

- Catalogue of Massachusetts Shells, 617.

## REDFIELD, J. H.

- From the Annals of the Lyceum of Natural History of New York, 154,  
 240, 562, 563, 581, 594, 596.  
 Catalogue of Operculated Land Shells, &c., 489.  
 Catalogue of Marginellidæ, &c., 489.

## REES.

- Encyclopedia, 607.

## ROGERS, W. B.

- From Silliman's American Journal of Science, 23.

## RUSCHENBERGER, W. S. W.

- Conchology, 324.  
 Voyage Round the World, &c., 487.

## RUSSELL, J. L.

- From the Journal of the Essex County Natural History Society, 62,  
 629, 630.

## SAGER, A.

- From the Geological Report of Michigan, 56.

## SAY, T.

- From the Journal of the Academy of Natural Sciences of Philadel-  
 phia, 257-263.

- From the Philosophical Transactions of the Royal Society, 257.  
 From Nicholson's Encyclopedia, 254-6.  
 From Long's Expedition to the Sources of the St. Peter's River, &c.,  
 263.  
 From the New Harmony Disseminator of Useful Knowledge, 264-6.  
 From the Transylvania Journal of Medicine, &c., 266.  
 American Conchology, 266-270, 273.  
 Glossary of Conchology, 273.  
 Synonymy of Western Species of Unio, &c., 271.  
 Catalogue of Exotic Shells in his Cabinet, 274, 485.  
 Descriptions of some new Terrestrial and Fluviatile Shells, &c., 264.  
 Complete Writings, 254. (See BINNEY, W. G.)

**SHAFFER, D. H.**

- List of Land and Fresh Water Shells, &c., 245.

**SHEPPARD.**

- From Transactions of the Literary and Historical Society of Quebec,  
 625.

**SHORT, C. W. and EATON, H. H.**

- From the Transylvania Journal of Medicine, 13.

**SHUTTLEWORTH, R. J.**

- From the Annals of the Lyceum of Natural History of New York, 595.

**SHUMARD, B. F.**

- From the Explorations of the Red River, 236.  
 From the Naturalists' Journal of Agriculture, &c., 427, 631.

**SMITH, S.**

- From Silliman's American Journal of Science, 342.

**STIMPSON, W.**

- From the Proceedings of the Boston Society of Natural History, 362-  
 366, 368, 371.  
 From Silliman's American Journal of Science, 342.  
 Synopsis of the Marine Invertebrata of Grand Manan, &c., 237.  
 From the Proceedings of the Academy of Natural Sciences of Phila-  
 delphia, 553.  
 Shells of New England, 161.

**STORER, D. H.**

- From the Boston Journal of Natural History, 343, 345.  
 Translation of Kiener's Species Generals, 323.

**STORER, H. R.**

- From the Proceedings of the Boston Society of Natural History, 369.

- SULLIVANT, J.  
Catalogue of Shells, &c., 478.
- TAPPAN, B.  
From Silliman's American Journal of Science, 64.
- TAYLOR, W. J.  
From Silliman's American Journal of Science, 335.
- THOMAS, W. H. B.  
From the Proceedings of the American Association for the Advancement of Science, 336.
- THOMSON, B.  
New England's Crisis, 426.
- TOTTEN, J. G.  
From Silliman's American Journal of Science, 22, 38.  
From Hitchcock's Geological Report, 45.
- TRASK, J. B.  
From the Proceedings of the California Academy of Natural Sciences, 243.
- TROOST, G.  
From the Geological Report of Tennessee, 123.
- TRUE, J.  
From the Proceedings of the Essex Institute, 253.
- TUFTS, S., JR.  
From the Catalogue of the Massachusetts State Cabinet, 297.  
From the Proceedings of the Essex Institute, 407.
- WAILES, B. L. C.  
From the Geological Report of Mississippi, 240.
- WARE, J.  
From the Boston Journal of Philosophy and the Arts, 484.
- WARREN, J.  
The Conchologist, 324.
- WARREN, J. C.  
From the Proceedings of the Boston Society of Natural History, 543.
- WEINLAND, D. F.  
From the Proceedings of the Boston Society of Natural History, 370, 371.

## WESTERN ACADEMY OF NATURAL SCIENCES.

Catalogue of Unios, &c., 156.

## WHEATLEY, C. M.

Catalogue of the Shells of the United States, &c., 129.

## WHITTEMORE, T. J.

From Silliman's American Journal of Science, 73, 319.

From the Proceedings of the Boston Society of Natural History, 365,  
368, 371.

## WOOD, W.

New England's Prospect, &c., 426.

## WYATT, T.

A Manual of Conchology, 324.

A Synopsis of Natural History, 607.

## WYMAN, J.

From the Proceedings of the Boston Society of Natural History, 359.

From the Boston Journal of Natural History, 353.

## ERRATA.

The following errata and addenda should be entered on their respective pages of the Bibliography:—

Page 1. The folio of the left hand column refers to Rafinesque's extra copies of the "Monographie." Page 25 corresponds with p. 291 of the original paper in the "Annales."

Page 4, line 14. After **Tremisia patelloides** read *Notrema*.

" 4, line 25. Add See also page 546.

" 5, line 3 from bottom, add *Decurambis litterata* Raf.

" 8, line 11. The paper of Coates will also be found in the Ann. of Phil. x, 385; Bull. Sc. Nat. vii, 259 (1826); Fror. Not. Bd. 12, 295 (1826).

Page 40, line 10. *Astarte castanea* in the first edition is given as a synonym of **Crassina Danmontiensis**, omitted in this edition.

Page 53. Note. See also p. 419.

" 64. For Couthouy's paper, see also p. 487.

" 64. For Jay's paper, see also p. 486.

" 74. The date is probably 1842.

" 123, line 3 from bottom of left hand column, add p. 40 **Unio creridens** Lea.

Page 129. The first edition of Wheatley's Catalogue was published in 1842.

Page 230. For Lea's Synopsis, see also p. 52.

" 254. The Land Shells of Say were published separately in 1856 with the title of "Descriptions of Terrestrial Shells of North America."

Page 262, line 1, for September read May.

" 274, line 4, add See also p. 605.

" 319, line 1, for W. Whittemore read T. W. Whittemore.

" 319. Agassiz and Gould's Principles were republished in 1851.

" 327. For Conrad's paper, see also p. 404.

" 327. For Leidy's paper, see also Silliman's Am. Journ. [2] iii, 434.

" 333. Date of Haldeman's Monograph is said to be 1847.

" 334, after line 36, add *L. solida* Lea = **Melania**.

" 339, line 3, for November read July.

" 341, line 2 from bottom, add See also note on p. 101.

" 348, line 28, for 1841 read 1840.

" 350, line 22, for 108 read 308.

" 357, for foreign species of Bost. Proc. see p. 530.

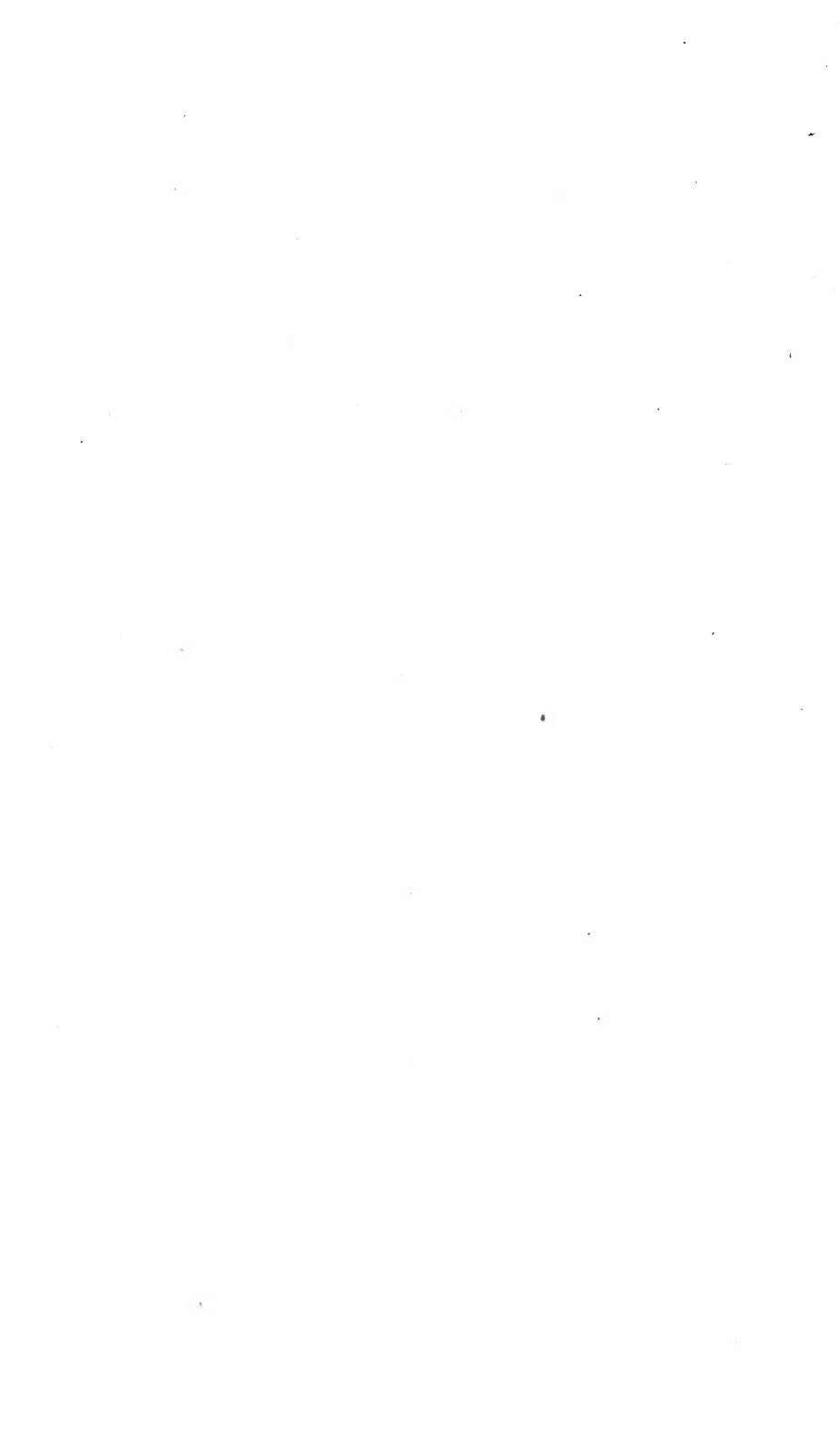
" 359, line 15, for 137 read 138.

" 361, after line 9, add ii, 160 **Crepidula nummaria** Gould. Classet.

" 371, line 10. A figure of **Cochliolepis** is given.

" 371, line 21, for September read November.

- Page 371. For the foreign species in the Proc. Phila. Acad., see p. 551.
- “ 372, line 26, for November, 1842, read December, 1842.
- “ 372, line 27, for March, 1853, read March, 1843.
- “ 373. For Leidy's paper first quoted, see also *Frör. Not.* 3 Reihe, Bd. 4, No. 68, 1847, p. 24, and *Journ. de Conch.* i, 1850, p. 34.
- Page 374, line 32, for 58 read 57.
- “ 386. For foreign species in Phila. Proc., see p. 556.
- “ 404, line 2, add see also p. 560.
- “ 404, line last, add see also p. 327.
- “ 405, line 2, add see also p. 520.
- “ 417, line 8, add see also p. 504.
- “ 422, line 2, add see also p. 525.
- “ 427, line 4, add see also p. 631.
- “ 427, line 4, for 1856 read 1846.
- “ 427. Cooper's paper should not have been quoted here, its date being 1860.
- Page 427, line 26, add Banks of the Ohio.
- “ 429, line 7, for 1841 read 1851.
- “ 433, line 6, add see also p. 547.
- “ 436, line 12 from bottom, see also *Faunus von Gistl.* Bd. i, Hft. 1, 1837, p. 42.
- Page 451, line 8. The title in the Transactions is “Descriptions of new species of the family Unionidæ.”
- Page 477, line 26, for *Crypogenia* read *Cyprogenia*.
- “ 486, line 13 from bottom, add see p. 64.
- “ 490, line 4, add Adams.
- “ 499, line 24, for 100 read 101.
- “ 500, line 21, for 187 read 189.
- “ 501, line 13. The quotations from p. 215 to 233 on the next page are by Bland.
- Page 502, line 11 from bottom. The quotations from p. 233 are to be attributed to Adams.
- Page 502, line 3 from bottom. The quotations are by Bland.
- “ 503. The first title is by Adams.
- “ 525, line 2, add see also p. 422.
- “ 526, line 2, add see also p. 343.
- “ 530, line 2, add see also p. 357.
- “ 531, lines 6, 7, 8, for 160 read 161; their date is also May, 1844.
- “ 550, line 14 from bottom, after Vol. ii, add Part 2.
- “ 551, line 10 from bottom, add see also p. 371.
- “ 552, line 16, add see also Proc. vi, 435. Nov. 1853.
- “ 552, line 26, add see also p. 606 of Bibliography.
- “ 556, line 3 from bottom, add see also p. 386.
- “ 565, before line 13 from bottom, add No. ix, May, 1851.
- “ 581. Redfield's paper, add June, 1852.
- “ 583, before page 297, add July, 1852.







ERNST MAYR LIBRARY



3 2044 114 211 956

