

SMITHSONIAN MISCELLANEOUS COLLECTIONS.

BIBLIOGRAPHY

OF

NORTH AMERICAN CONCHOLOGY

PREVIOUS TO THE YEAR 1860.

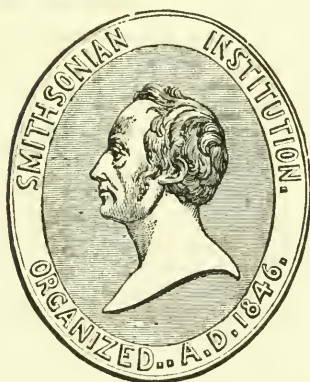
PREPARED FOR THE SMITHSONIAN INSTITUTION

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)

PHILADELPHIA:
COLLINS, PRINTER.

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 *altilis*. And it is often easy to correct such errors as *Helix inmitissima*, 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 CONCHIOLOGY.

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^{me} livraison du 5^{me} 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 ^{re} Sous-fam. UNIODIA.	
				1 ^{re} Genre UNIO.	
				1 ^{re} Sous-genre Elliptio.	
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' U. crassa (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 ^{me} Sous-genre Leptodea.	
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 Ir.	Name.	Locality.
				3^{me} Sous-genre Aximedia.	
30			23	<i>elliptica Raf.</i>	Louisville, Maysville.
30	LXXX	11-13	24	<i>levigata Raf.</i>	Kentucky river.
31			24	<i>zonalis Raf.</i>	Ohio river.
				4^{me} Sous-genre Eurynia.	
31			25	<i>dilatata Raf.</i>	
31	LXXX	14-15	25	<i>latissima Raf.</i>	
32			26	<i>solenoides Raf.</i> (3) <i>U. cylindrica S.</i>	Ohio river.
				2^{me} Genre LAMPSILIS.	
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^{me} Genre METAPTERA.	
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^{me} Genre TRUNCILLA.	
34	LXXXI	1-4	31	<i>triqueter Raf.</i>	Ohio river.
35			31	<i>truncata Raf.</i>	
				5^{me} Genre OBLIQUARIA.	
				1^{re} Sous-genre Plagiola.	
36			33	<i>decorticata Raf.</i>	Ohio river, Mississipp.
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^{me} Sous-genre Ellipsaria.	
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^{me} Sous-genre Quadrula.	
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^{me} Sous-genre Rotundaria.	
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 ^{eme} Sous-genre Scalenaria.	
43			46	<i>obliquata Raf.</i>	Kentucky river.
43			43	<i>triangularis Raf.</i>	
43	LXXXI	24-25	47	<i>scalenia Raf.</i>	Kentucky river.
				6 ^{eme} Sous-genre Sintoxia.	
44			47	<i>lateralis Raf.</i>	
44			48	<i>sintoxia Raf.</i>	Ohio river.
				II ^{eme} Sous-fam. AMBLEMIDIA	
				6 ^{eme} Genre OBOVARIA.	
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.
45			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 ^{eme} Genre PLEUROBEMA.	
47	LXXXII	8-10	53	<i>mytiloides Raf.</i>	Wabash river.
47			53	<i>cuneata Raf.</i>	Ohio river.
				8 ^{eme} Genre AMBLEMA.	
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 ^{eme} Sous-fam. ANODONTIDIA.	
				9 ^{eme} Genre ANODONTA.	
				1 ^{re} Sous-genre Anodonta.	
50			59	<i>An. marginata Say</i> (no des.)	
50			59	<i>cataracta Say</i> (no des.)	
50			59	<i>atra Raf.</i>	Hudson river.
50			59	<i>cuneata Raf.</i>	Hudson river.
				2 ^{eme} Sous-genre Strophitus.	
50			60	<i>undulata Say</i> (no des.)	
				3 ^{eme} Sous-genre Lastena.	
50			60	<i>Ohioensis Raf.</i>	Ohio river, &c.
51	LXXXII	17-18	61	<i>lata Raf.</i>	Kentucky river.
				IV ^{eme} Sous-fam. ALASMIDIA.	
				10 ^{eme} Genre. ALASMIDONTA.	
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 ^{eme} Sous-fam. CYCLADIA.	
				11 ^{eme} Genre CYCLAS.	
				Polymesoda.	
52			64	C. Caroliniana <i>Bosc.</i> (no des.)	
				Phymesoda.	
52			64	C. dubia <i>Say</i> (no des.)	
				Amesoda.	
52			64	C. similis <i>Say</i> (no des.)	
				Corbicula (MEGERLE).	Foreign species.
				—————	
52	LXXXII	19-21	64	C. (Ameroda) lasmapsis <i>Raf.</i>	Ohio river, &c.
52			65	C. (Phymeroda) equalis <i>Raf.</i>	Ohio river.
				12 ^{eme} Genre TREMESIA.	
54	LXXXII	22-24	67	Tremesia patelloides <i>Raf.</i>	Ohio river.
54			67	Mytilus recurvus <i>Raf.</i>	New Orleans.
55			68	Unio (Eurynia) teres <i>Raf.</i>	Wabash river.
55			68	Obliquaria (Ellipsaria) sinuata <i>Raf.</i>	Kentucky river.
55			69	O. (Ellipsaria) atrovioleacea <i>Raf.</i>	Kentucky river.
55			69	O. (Plagiola) Cliffordiana <i>Raf.</i>	Kentucky river.
56			70	Unio (Amblema) antrorsa <i>Raf.</i> <i>Obovaria pachostea.</i>	

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

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

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

Page.	Name.	Locality.
5	<i>papyracea Raf.</i>	East Kentucky.
5	<i>Lasmonos fragilis Raf.</i>	East Kentucky.
6	<i>Anodontia 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.—*Apolosia*, 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>quadrulus 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	Unio plicatus Say. <i>U. variplicata</i> Lam.	Ohio, Mississippi, Wisconsin.
121	4	undatus Barnes. <i>U. obliqua</i> Lam.?	Wisconsin and Fox rivers.
122	5	cornutus Barnes.	Fox river.
123	6	verrucosus Barnes.	Wisconsin riv. ; Lake Erie.
124	7	nodosus Barnes.	Wisconsin.
125	8	tuberculatus Barnes.	Wisconsin.
126	9	rugosus Barnes.	Ohio.
259	19	ellipticus Barnes. <i>U. crassus</i> Say. <i>Mya complanata</i> Dillw.	Fox river.
259	10	carinatus Barnes.	Fox river.
260		alatus Say.	Wisconsin.
261	11	prælongus Barnes. <i>U. purpurata</i> Lam.?	Wisconsin.
262	12	gibbosus Barnes.	Wisconsin.
263		cuneatus Barnes.	Ohio river.
264		purpureus Say. <i>U. purpurascens</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		radiatus Dillw. <i>U. ochraceus</i> Say. <i>radiata</i> Lam.	North America.
266	13	mucronatus Barnes.	Wisconsin river.
266		inflatus Barnes.	Wisconsin riv. & Lake Erie.
267	14	ventricosus Barnes.	Wisconsin and Miss. rivers.
269	15	siliquoideus Barnes.	Wisconsin river.
270		ovatus Say.	Ohio and Maumee rivers.
271		cariosus Say.	North America.
272	16	planus Barnes.	Wisconsin river.
272	17	triangularis Barnes.	Detroit river.
273		nasutus Say.	Delaware river.
274		gracilis Barnes. <i>U. alatus</i> Say.	Wisconsin riv. & the lakes.
274	18	parvus Barnes.	Fox river.
277	20	Alasmodonta arcuata Barnes.	West Canada Creek.
278	21	rugosa Barnes.	Fox river.
278	22	complanata Barnes.	Fox river, Wisconsin.
279		marginata Say. (no des.)	
279		undulata 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. (Only American species.)	Georgia.

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

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. HILDRETH, M. D. (In the American Journal of Science, O. S., vol. xiv, pp. 276-291, 1828. With two plates.)

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

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

Nicklin.—Conchological Observations on Lamark's Family of Naiädes: 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^{re}. Pyrmonti, 1830. Editio altera.

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

Page.	Name.	Locality.
132	Physa striata Menke.	Goshen, Mass.
132	subarata Menke.	Cincinnati.
133	Cyclostoma Mexicanum Menke.	Papantla, Mexico.
134	Paludina sulcosa Menke.	Cincinnati.
134	Melania cruentata Menke.	Cincinnati.
134	ovularis Menke.	Cincinnati.
135	angulosa Menke.	Cincinnati.
135	livescens Menke.	Lake Erie.
135	curta Menke.	Philadelphia.
135	exarata Menke.	Cincinnati.
136	ligata Menke.	Cincinnati.
136	fasciata Menke.	Philadelphia.
136	auriscalpium Menke.	Cincinnati.
137	Oxytrema crenulatum Menke.	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	Conus mus Brug.	Florida Keys.
123	iii	4	Leucosticus Gmel.	Florida Keys.
123	iii	3	Pealii Green.	Keys Vache.
123	iii	5, 6	mamillaris Green.	Florida.
124	iii	2	Marylandicus Green (fossil).	Maryland.
124			deluvianus 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	Dolium zonatum Green.	Western coast.
132		perdix Lin.	Chesapeake Bay to Florida.
132		plumatum Green.	
		<i>Buccinum maculosum</i> Solander?	
133		olearium 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	Unio (Mya) rotunda Wood = U. circulus Lea. Mya oblongata. nasuta. undulata Wood, not U. undulata Barnes; U. plicatus Lesueur (teste Lea) is U. Peruviana Lam. gravis and cariosus. rugulosa is not rugosus Barnes (not a var. of metanevra). obliquus Wood = obliqua Lam. or scalenius Raf.
135	Castalia ambigua not from U. S. Unio rigida Wood. praelonga Barnes = rectus Lam. Hyria unguata Wood not U. S. Strombus noviboracenses Wood = Nassa obsoleta. Helix angulata = Planorbis bicarinatus. Paludina subcarinata Wood = Pal. dissimilis. Helix fraterna Wood = H. hirsuta Say. Paludina discissa Wood = Pal. subcarinata Say. dissimilis Wood = Pal. discisa Say. Virginica Wood = Melania Virginica.
136	Polygyra auriculata Say = Helix Sayii 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	<i>Crepidula convexa</i> Say.	208	<i>Psammobia fusca</i> Say.
207	<i>glauca</i> Say.	208	<i>lusoria</i> Say.
207	<i>Fusus cinereus</i> Say.	208	<i>Solen Caribæus</i> Linn.
207	<i>Nassa obsoleta</i> Say.	208	<i>ensis</i> Linn.
207	<i>trivittata</i> Say.	208	<i>Venus mercenaria</i> Lam.
207	<i>Natica duplicata</i> Say.	211	<i>Nassa trivittata</i> Say.
207	<i>Ranella caudata</i> Say.	211	<i>obsoleta</i> Say.
207	<i>Arca transversa</i> Say.	211	<i>lunata</i> Say.
207	<i>ponderosa</i> Say.	211	<i>Natica heros</i> Say.
207	<i>Corbula contracta</i> Say.	211	<i>Pyrula carica</i> Lam.
208	<i>Clathrodon cuneata</i> Gray.	211	<i>canaliculata</i> Lam.
	<i>Cyrena truncata</i> Lam.?	211	<i>Scalaria clathrus</i> .
208	<i>Mactra lateralis</i> Say.	212	<i>Arca arata</i> Say.
208	<i>Mya mercenaria</i> Say.	212	<i>Cytherea concentrica</i> Lam.
208	<i>Mytilus hamatus</i> Say.	212	<i>Ostrea Virginica</i> Lam.
208	<i>Pandora trilineata</i> Say.	212	<i>Saxicava distorta</i> Say.
208	<i>Petricola pholadiformis</i>	212	<i>Venus paphia</i> ?
	Lam.	216	<i>Lucina divaricata</i> Lam.
	<i>P. fornicata</i> Say.	216	<i>Fissurella græca</i> Lam.
208	<i>Pholas costata</i> 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			Mactra solidissima Chemnitz.	
			<i>M. solida</i> var. β 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	<i>arcata</i> Conrad.	Massachusetts.
258	xi	2, 3	<i>tellinoides</i> Conrad.	Mass., R. I., Fl.
258	xi	4	<i>nucleus</i> Conrad.	New Jersey.
259	xi	5, 6, 7	Cardium Mortoni Conrad.	Northern coast.
260	xi	8	<i>pinnulatum</i> Conrad.	Massachusetts.

Page.	Plate.	Fig.	Name.	Locality.
240			Pecten Pealii <i>Conrad.</i>	Maine.
261	xi	12	Mya hyalina <i>Conrad.</i>	Northern coast.
261			Cytherea convexa <i>Say.</i>	R. I., N. J.
263	xi	11	Anatina Leana <i>Conrad.</i>	Northern coast.
263	xi	13	Mytilus leucophæatus <i>Conrad.</i>	Southern coast.
265			Remarks on Pecten Magellanicus.	
266	xi	17, 18	Velutina rupicola <i>Conrad.</i>	Massachusetts.
266	xi	19	Lacuna pertusa <i>Conrad.</i>	Massachusetts.
267	xi	20	Patella alveus <i>Conrad.</i>	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	Unio plicatus <i>Lesueur.</i> <i>U. costata</i> Raf. ?	77	Unio rectus <i>Lea.</i> <i>U. praelongus</i> Barnes.
74	mytiloides <i>Raf.</i> <i>U. undatus</i> Barnes.	78	gibbosus <i>Barnes.</i>
74	scalenius <i>Raf.</i>	78	cuneatus <i>Barnes.</i>
75	ellipsis <i>Lea.</i>	78	ovatus <i>Say.</i>
75	sulcatus <i>Lea.</i>	78	occidens <i>Lea.</i>
75	ridibundus <i>Say.</i>	78	triangularis <i>Barnes.</i>
75	torulosus <i>Raf.</i> <i>U. cornutus</i> Barnes. <i>U. foliatus</i> Hildreth.	78	parvus <i>Barnes.</i>
75	verrucosus <i>Barnes.</i>	79	zigzag <i>Lea.</i>
76	metanever <i>Raf.</i> <i>U. nodosus</i> Barnes. <i>U. rugosus</i> Barnes.	79	triqueter <i>Raf.</i> <i>U. calceolus</i> <i>Lea.</i>
76	lachrymosus <i>Lea.</i>	79	monodonta <i>Say.</i> <i>Alasmodonta costata</i> Raf.
76	tuberculatus <i>Barnes.</i>	80	Symphonota alata <i>Lea.</i> <i>U. alatus</i> <i>Say.</i>
76	cylindricus <i>Say.</i>	80	complanata <i>Lea.</i> <i>Alasm. complanata</i> Barn.
76	cariosus <i>Say.</i> <i>U. crassus</i> <i>Say.</i> <i>U. carinatus</i> Barnes. <i>U. ellipticus</i> Barnes.	80	lævissima <i>Lea.</i>
77	phaseolus <i>Hildreth.</i> <i>U. planulatus</i> <i>Lea.</i>	80	gracilis <i>Lea.</i> <i>U. gracilis</i> Barnes. <i>U. planus</i> Barnes.
77	securis <i>Lea.</i> <i>U. depressa</i> Raf.	80	tenuissima <i>Lea.</i> <i>Anodonta lata</i> Raf. ?
77	torsus <i>Raf.</i>	81	Alasmodonta rugosa <i>Barnes.</i>
77	circulus <i>Lea.</i>	81	Anodonta undulata <i>Say.</i>
77	irroratus <i>Lea.</i>	81	Cyclas similis <i>Say.</i>
		82	Melania Sayii <i>Wood.</i>
		82	Virginica <i>Say</i> (<i>Limnea</i>).
		82	Paludina decisa <i>Say.</i>
		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	<i>Pleurocera gonula Raf.</i>	Kentucky river.
3	<i>acuta Raf.</i>	Lake Erie.
3	<i>rugosa Raf.</i>	Western Kentucky.
3	<i>Melania (Ambloxyus) rugosa Raf.</i>	Cumberland mountains.
3	<i>viridis Raf.</i>	Licking river.

LAND UNIVALVE SHELLS.

3	<i>Aplodon Raf. n. g.</i>	
3	<i>nodosum Raf.</i>	Kentucky.
3	<i>Stenostoma Raf. n. g.</i>	
3	<i>convexa Raf.</i>	Kentucky.
3	<i>Toxostoma Raf. n. g.</i>	
3	<i>globularis Raf.</i>	Kentucky.
3	<i>Mesodon Raf. n. g.</i>	
3	<i>maculata Raf.</i>	
3	<i>Trophodon Raf. n. g.</i>	
3	<i>Odomphium Raf. n. g.</i>	
3	<i>Omphalina Raf. n. g.</i>	
3	<i>cuprea Raf.</i>	Kentucky.
3	<i>Triodopsis Raf. n. g.</i>	
3	<i>lunula Raf.</i>	Kentucky.
3	<i>Menomphis Raf. n. s-g.</i>	
3	<i>Xolotrema Raf. n. g.</i>	
3	<i>clausa Raf.</i>	
3	<i>Agatina variegata Raf.</i>	Louisiana.
3	<i>fuscata Raf.</i>	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	<i>Unio capax Green.</i>	Falls of St. Anthony; Bayou Têche.
291	<i>Helicina rubella Green.</i>	Western Pennsylvania.
291	<i>Paludina Alleghanensis Green.</i>	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	Unio occidens Lea = U. ventricosus Barnes.
544	oriens Lea = U. dehiscens Say.
544	trapezoides Lea = U. interruptus Say.
544	multiplicatus Lea = U. heros Say.
544	ellipsis Lea = U. olivaria Rafinesque.
545	irroratus Lea = U. stegaria var. Rafinesque.
545	planulatus Lea = U. fasciolaris Rafinesque.
545	circulus Lea = U. striata var. rosea Rafinesque.
	<i>U. orbiculatus</i> } <i>torsus</i> } are also remarked on. <i>rotundata</i> }
545	patulus Lea = U. cuneata Rafinesque.
545	rubiginosus Lea = U. flava Rafinesque.
546	donaciformis Lea = U. truncata Rafinesque.
546	securis Lea = U. depressa Rafinesque.
546	pustulosus Lea = U. bullata Rafinesque.
546	pustulatus Lea = U. nodosa Rafinesque.
546	soleniformis Lea = U. monodonta Say.
546	perplexus Lea = U. gibbosa Rafinesque.
546	pileus Lea = U. flexuosus Rafinesque.
546	sulcatus Lea = U. obliquata Rafinesque.
546	pyramidatus Lea = U. rubra Rafinesque.
546	lachrymosus Lea = U. metanевра Rafinesque?
	<i>U. metanевра</i> Rafinesque, is not <i>U. quadrula</i> .
546	asperrimus Lea = U. rugosus Barnes.
546	brevidens Lea = U. depressa Rafinesque.
546	varicosus Lea = U. esopus 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	Lucina Florida <i>Conrad</i> .	Pensacola.
345	Cytherea Sayana <i>Conrad</i> .	Rhode Isl. & N. Jersey.
	<i>C. convexa</i> Say (preoc.)	
345	Melampus borealis <i>Conrad</i> .	Rhode Island.
345	Ungulina transversa <i>Lam.</i> (notes on).	West Indies.
345	Lima glacialis <i>Lam.</i> (notes on).	West Indies.
346	Pholas costata <i>Lin.</i> (notes on).	Mid. & Southern States.
346	Cardium Mortoni <i>Conrad</i> (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	Teredo navalis <i>Lam.</i>	South Carolina.
2	Pholas costata <i>Lam.</i>	South Carolina.
2	<i>oblongata</i> <i>Say.</i>	South Carolina.
2	<i>truncata</i> <i>Say.</i>	South Carolina.
2	<i>cuneiformis</i> <i>Say.</i>	South Carolina.
2	Solen ensis <i>Lam.</i>	Maine, South Carolina.
2	<i>viridis</i> <i>Say.</i>	South Carolina.
2	<i>caribæus</i> <i>Lam.</i>	South Carolina.
2	<i>radiatus.</i>	Massachusetts.
2	Mya arenaria <i>Lam.</i>	Bay of New York.
2	Lutraria canaliculata <i>Say.</i>	South Carolina.
2	<i>lineata</i> <i>Say</i> (rare).	South Carolina.
2	Mactra gigantea <i>Lam.</i>	Massachusetts.
	<i>solidissima</i> Chem.	
	<i>similis</i> <i>Say.</i>	
	<i>grandis</i> Solander.	
2	<i>similis</i> <i>Say.</i>	South Carolina.
	<i>grandis</i> Solander.	
2	<i>lateralis</i> <i>Say.</i>	South Carolina.
2	<i>oblongata</i> <i>Say.</i>	South Carolina.
3	Amphidesma æquale <i>Say.</i>	South Carolina.
3	<i>orbiculata</i> <i>Say.</i>	South Carolina.
3	<i>lepida</i> <i>Say.</i>	South Carolina.
3	Corbula contracta <i>Say.</i>	South Carolina.
3	Pandora trilineata <i>Say.</i>	Nantucket.
3	Pectriola pholadiformis <i>Lam</i>	South Carolina.
3	<i>dactylus</i> <i>Sowb.</i>	South Carolina.
3	<i>flagellata</i> (new) <i>Say.</i>	South Carolina.
3	Sanguinolaria lusoria <i>Conrad.</i>	South Carolina.
	<i>Psummobia lusoria</i> <i>Say.</i>	

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

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

Page.	Name.	Locality.
7	<i>Unio torsus</i> 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	<i>Alasmodonta arcuata</i> 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	<i>Anodonta cataracta</i> Lam.	Maine, South Carolina.
7	<i>Chama arcinella</i> Lam.	South Carolina.
7	<i>Modiola papuana</i> Lam.	Maine.
7	<i>tulipa</i> Lam.	East Florida.
7	<i>lithophaga</i> Lam. (rare.)	East Florida.
7	<i>Mytilus borealis</i> Lam.	New York.
7	<i>demissus</i> Say.	South Carolina.
7	<i>leucopheus</i> Conrad.	South Carolina.
7	<i>Pinna seminuda</i> ? Lam.	South Carolina.
7	<i>muricata</i> ? Lam.	South Carolina.
	<i>P. rigida</i> Wood.	
8	<i>Avicula macroptera</i> ? Lam.	South Carolina.
8	<i>Lima squamosa</i> Lam.	East Florida.
8	<i>glacialis</i> Lam.	East Florida.
8	<i>Pecten Magellanicus</i> Lam.	Maine.
8	<i>Islandicus</i> Lam.	Newfoundland.
	<i>P. Pelii</i> Conrad.	
8	<i>concentricus</i> Say.	Massachusetts.
8	<i>dislocatus</i> Say.	East Florida.
8	<i>Plicatula cristata</i> Lam.	South Carolina.
8	<i>Ostrea Virginica</i> Lam.	South Carolina.
8	<i>equestris</i> Say (new).	South Carolina.
8	<i>fundata</i> Say (new).	South Carolina.
8	<i>Anomia ephippium</i> Lam.	South Carolina.
8	<i>Chiton apiculatus</i> Say (new).	South Carolina.
9	<i>Fissurella alternata</i> Say.	South Carolina.
9	<i>Crepidula fornicata</i> Lam.	South Carolina.
9	<i>aculeata</i> Lam.	South Carolina.
9	<i>convexa</i> Say.	South Carolina.
9	<i>plana</i> Say.	South Carolina.
9	<i>Bulla solitaria</i> Say.	South Carolina.
9	<i>Helix aspersa</i> Lam.	South Carolina.
9	<i>albolabris</i> Say.	S. Carolina, Penn'a.

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

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

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

Kirtland.—Observations on the Sexual Characters of the Animals belonging to Lamark'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>siliquoideus.</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</i> Totten.	Rhode Island.
366	1, k	<i>volum</i> Say	
367	2	<i>Venus gemma</i> Totten.	Provincetown, Newport.
367	3	<i>Modiola glandula</i> Totten.	Provincetown.
368	4	<i>Actæon trifidus</i> Totten.	Rhode Island.

Page.	Fig.		
338	5	Turbo inflatus <i>Totten.</i>	Plymouth.
369	6	minutus <i>Totten.</i>	Mass., Rhode Island.
369	7	Pasithea nigra <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	Unio cœlatus <i>Conrad.</i>	Elk & Flint rivs., Tenn.
338	i	3	perovatus <i>Conrad.</i>	Prairie creek, Marengo Co., Ala.
339	i	4	lienosus <i>Conrad.</i>	South Alabama.
339			rubiginosus <i>Lea</i> (no des.)	South Alabama.
339	i	6	stramineus <i>Conrad.</i>	South Alabama.
340	i	8	arcus <i>Conrad.</i>	Alabama river.
340	i	9	arctatus <i>Conrad.</i>	Bl. Warrior & Ala. rivs.
341	i	10	Alasmodonta radiata <i>Conrad.</i>	South Alabama.
341	i	12	Anodonta subveza <i>Conrad.</i>	Black Warrior river.
341	i	11	declivis <i>Conrad.</i>	Flint river, Morgan Co. Ala.
342	i	5	Cycias staminea <i>Conrad.</i>	South Alabama.
342	i	13	Melania olivula <i>Conrad.</i>	Alabama river.
342	i	14	prasinata <i>Conrad.</i>	Alabama river.
342	i	15	Anculosa picta <i>Conrad.</i>	Alabama river.
343	i	3	Unio subtentus <i>Say</i> var.	Tennessee and Elk rivs.
343	i	7	mytilloides <i>Raf.</i>	Alabama river.
343			Planorbis antrosus <i>Conrad.</i>	Randon's creek, Claiborne, Ala.
343			Melania congesta <i>Conrad.</i>	Randon's creek, do.
343			Physa pomilia <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>viex</i> Conrad.	Black Warrior riv., Ala.

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

The following are mentioned by name only:—

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

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

ANCULOTUS.

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

SYNOPSIS OF NAIADES.

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

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

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

<p>Page. 72 Alasmodonta edentula Say. 72 marginata Say. <i>Alas. scriptum</i> Raf. 72 margaritifera. <i>Unio margaritifera</i> Lam. <i>Alas. arcuata</i> Barnes. 73 radiata Conr. 73 sculptilis Say. 73 truncata Say. <i>Unio calceolus</i> Lea. 73 undulata Say.</p>	<p>Page. 73 Anodonta cataracta Say. <i>An. marginata</i> Say. 73 declivis Conr. 73 grandis Say. 73 implicata Say. 73 imbecilis Say. 73 inflata Say. 73 lugubris Say. 73 subvexa Conr. 73 suborbiculata Say. 73 undulata Say. <i>An. rugosa</i> Swainson.</p>
--	--

73 **Unio declivis** Say, quoted from Florida, is said to be another species.

(Appendix to same.)

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

Additions to Synopsis.

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

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

Conrad.—Monography of the Family Unionidæ, or Naiades of Lamarck, 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		Unio fasciatus Raf. <i>U. carinatus</i> Barnes.	Scioto river.
4	ii		ovatus Say, var. ornatus .	South Alabama.
5	iii	1	clava Lam. <i>U. scaleni</i> Raf. <i>modioliformis</i> Say.	Western rivers.
6	iii	2	decisus Lea. <i>U. Taitianus</i> Lea.	Alabama.

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

No. II.—January, 1836.

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

No. III.—February, 1836.

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

No. IV.—March, 1836.

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

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

¹ Plate xviii, Fig. 1, represents *U. Fisherianus* Lea, v. wrapper of No. XI, p. 4.

Page.	Pl.	Fig.	Name.	Locality.
50	xxvii	1	Unio gibbosus Raf. <i>U. torulosus</i> Raf. <i>perplexus</i> Lea.	Wabash, Scioto, and Tenn. rivers.
51	xxvii	2	gibbosus var. perobliquus .	Wab'sh, Ind., Detroit.
52	xxviii		teres Raf. <i>U. anodontoides</i> Lea.	West. rivs., La., Ala.
53	xxix	1	Sageri Conr.	Detroit river.
54	xxix	2	lapillus Say. <i>U. fabalis</i> Lea.	Michigan, Ohio river.
55	xxx		fragilis Raf. <i>U. gracilis</i> Barnes. <i>Symphynota gracilis</i> Lea.	Fox and Detroit, Ala.
56	xxxi		alatus 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		Unio inflatus Lea. <i>Symphynota inflata</i> Lea. <i>U. Alabamensis</i> Conr.	Alabama.
58	xxxiii		leptodon Raf. <i>U. planus</i> Barnes. <i>Anodonta purpurescens</i> Sw. <i>Symphynota tenuissima</i> Lea.	Wisc., Ala., Scioto rivers.
60	xxxiv	1	ellipsiformis Conr.	Michigan.
60	xxxiv	2	lienosus Conr. <i>U. Nashvillianus</i> Lea.	Greene Co., Alabama.
62	xxxv	1	stapes Lea.	Alabama.
63	xxxv	2	intermedius Conr.	Nolachucky riv., Ten.
64	xxxvi	1	occidentalis Conr.	Currant river, Ark.

No. VIII.—February, 1837.

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

Page	Pl.	Fig.	Name.	Locality.
72	x1	2	Unio capsæformis <i>Lea.</i> (On p. 4 of wrapper.)	Tennessee, Alabama.
			Anodonta carinifera <i>Conr.</i>	Below Louisville.
			Unio gibbosus var. perobliquus = U. perobliquus <i>Conr.</i>	

No. IX.—March, 1837.

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

No. X.—May, 1838.

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

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

(End of Vol. I.)

No. XI.—November, 1838.

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

On page 4 of wrapper, descriptions of **Unio cuneus**, **metastriatus**, **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	Unio planilateris <i>Conr.</i>	Virginia, N. Carolina.
104	lvii	2	metastriatus <i>Conr.</i>	Bl. Warrior riv., Ala.
105	lviii	1	cuneus <i>Conr.</i>	Little Red river, Ark.
106	lviii	2	lenis <i>Conr.</i>	White river, Ill.
107	lix		heros Say.	
			<i>U. undulatus</i> Say, not Barnes.	
			<i>multiplicatus</i> Lea.	
109	lx	1	saxeus <i>Conr.</i>	Claiborne, Ala.
109	lx	3	collinus <i>Conr.</i>	Columbia, S. C.
110	lx	2	trabalis <i>Conr.</i>	

No. XIII.—(No date.)

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

Page.	Pl.	Fig.	Name.	Locality.
115	lxiv		Unio cicatricosus Say. <i>U. varicosus</i> Lea.	Ohio &c.
115			cardisce Say = cordata .	
115			incurvus Say = intorta .	
116	lxv		plicatus Say. <i>U. rariplicatus</i> Lam.	Ohio, Wise.
117	lxvi		cardium 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. 8vo. 17 colored plates.

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

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

Page.	Pl.	Fig.	Name.	Locality.
60	xiv	2	Mactra tellinoides Conrad.	Whole coast.
61	xiv	3	fragilis Chemnitz. <i>M. oblonga</i> Say.	S. Carolina, Georgia.
62	xiv	4, 5	lateralis Say.	Gulf of Mex. at Mobile.
63	xiv	6	nucleus Conrad.	New Jersey.
64	xiv	7	solidissima 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		Solemya velum Say. <i>S. borealis</i> Totten.	R. I., Mass., S. C.
68	xvii	1	Iphigenia lævigata Schumacher. <i>Donax lævigata</i> Gmelin. <i>Capsa lævigata</i> Lam.	Florida.
70	xvii	2	Capsa deflorata Linnaeus. <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	Astarte castanea 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	Anatina papyratia Say? <i>A. fragilis</i> Totten.	Newport, R. I.
348	2	Astarte castanea Say? <i>A. procera</i> Totten.	Provincetown, Mass.
349	3	Danmoniensis Sowb. <i>Venus Danmoniensis</i> Mont. <i>crassatella</i> Bl. <i>Crassina Danmoniensis</i> Lam.	Newport, R. I.
350	4	Bulla insculpta Totten.	Newport, R. I.
350	5	oryza Totten.	Newport, R. I.
351	6	Natica immaculata Totten.	Newport, R. I.
352	7	Turritella interrupta Totten.	Newport, R. I.
352	8	Cerithium reticulatum 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 Lamarek. By THOMAS A. GREENE, Esq., of New Bedford.

CLASS XI. CONCHIFERA.

Order I. *Bimusculosa*.

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

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

Order II. **Unimusclosa.**

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

CLASS XII. MOLLUSCA.

Order II. Gasteropoda.

Page.	Name.	Locality.
21	Chiton. Not described to my knowledge.	Found at Nantucket.
21	Patella alveus <i>Conrad.</i>	
21	<i>amœna</i> <i>Say.</i>	
21	Crepidula fornicata <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	Velutina rupicola <i>Conrad.</i>	
21	Bulla solitaria <i>Say.</i>	Found at Holme's Hole.
	Is it a variety of <i>B. hydatis</i> ?	
21	Natica duplicata <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	Melampus videntatus <i>Say.</i>	Common in salt marshes, N. Bed.
21	Iacuna pertusa <i>Conrad.</i>	
21	Turbo obligatus <i>Say.</i>	
21	<i>irroratus</i> <i>Say.</i>	
21	<i>palliatus</i> <i>Say.</i>	
21	Turritella bisuturalis <i>Say.</i>	
21	<i>alternata</i> <i>Say.</i>	
21	Fusus Islandicus.	
	<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	Ranella caudata.	At Nantucket.
22	Pyrula canaliculata.	
	<i>Murex canaliculata.</i>	
22	<i>carica.</i>	
22	Nassa obsoleta <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	Purpura lapillus.	
	<i>Buccinum lapillus</i> L.	
22	<i>imbricata</i> Lam.	
22	Buccinum undatum L.	
22	Columbella terpsichore.	
	<i>Buccinum terpsichore</i> , Wood's Supplement.	

Order IV. **Cephalopoda.**

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

II. UNIVALVES.

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

LAND SHELLS.

23	Helix albolabris.	23	Helix minuta Say.
23	arboreus Say.	23	hirsuta Say.
23	tridentata Say.	23	labyrinthica Say.
23	alternata Say.	23	perspectiva Say.
23	glaphyra Say.	23	fraterna Say.
23	thyroidus 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 Mortoni</i> Conrad.
25	<i>Mactra 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>pexata</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.
	<i>Lam.</i>	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.
	<i>Lam.</i>	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 ungulatus</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	Pecten Islandicus <i>Lam.</i>	26	Ostrea edulis <i>Lin.</i> (var.)
26	<i>concentricus</i> <i>Say.</i>	26	Anomia ephippium <i>Lin.</i>
26	Ostrea Canadensis <i>Lam.</i>	26	Terebratula.
26	<i>Virginica</i> <i>Lam.</i>		An undescribed recent species.

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

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

Order III. **Trachelipoda.**

27	Helix albolabris <i>Say.</i>	27	Valvata arenifera <i>Lea.</i>
27	<i>thyroidus</i> <i>Say.</i>	27	Paludina decisa <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	Natica duplicata <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	Melampus bidentalis <i>Say.</i>
27	<i>labyrinthica</i> <i>Say.</i>	28	Vermetus lumbricalis <i>Lam.</i>
27	<i>minuta</i> <i>Say.</i>	28	Lacuna pertusa <i>Conrad</i>
27	<i>subglobosa</i> (MSS.)	28	<i>fusca</i> (MSS.)
27	Pupa fallax <i>Say.</i>	28	Turbo obligatus <i>Say.</i>
27	<i>corticaria</i> <i>Say.</i>	28	<i>palliatu</i> <i>Say.</i>
27	Succinea ovalis <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	Auricula myosotis <i>Drap.</i>	28	<i>inflatus</i> <i>Totten.</i>
27	Planorbis trivolvis <i>Say.</i>	28	<i>minutus</i> <i>Totten.</i>
27	<i>bicarinatus</i> <i>Say.</i>	28	Turritella alternata <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	Fusus corneus <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	Physa heterostropha <i>Say.</i>	28	Pyrula caniculata <i>Lam.</i>
27	Lymnæa catascopium <i>Say.</i>	28	<i>carica</i> <i>Lam.</i>
27	<i>columella</i> <i>Say.</i>	28	Ranella caudata <i>Say.</i>
27	<i>ovata</i> <i>Lam.</i>	28	Purpura lapillus <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 amena</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 Mortonii</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	<i>Lacuna pertusa</i> Conr.	562	<i>Ranella caudata</i> Say.
562	<i>Velutina rupicolor</i> Conr.	562	<i>Purpura lapillus</i> Linn.
562	<i>Turritella bisuturalis</i> Say.	562	<i>Buccinum undatum</i> Linn.
562	<i>Fusus cinereus</i> Say.	562	<i>Nassa vibex</i> Say.
562	<i>decemcostatus</i> Say.	562	<i>trivittata</i> Say.
562	<i>corneus</i> Linn.	562	<i>obsoleta</i> Say.
562	<i>Fulgur canaliculata</i> Lam.	562	<i>lunata</i> Say.
562	<i>carica</i> Lam.	562	<i>Columbella avara</i> Say.

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

Page.		Page.	
25	Anodonta areolatus Swains.	25	Alasmodonta globosa 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. cariota</i> Lam. (var. 2).
25	Dipsas? <i>fragilis</i> Raf.	26	<i>Mya rugulosa</i> Wood.
	(Lasmonos).	26	undulata Say, Barnes.
25	Symphynota complanata		<i>U. varicosa</i> Lam.
	Lea.		<i>hians</i> Valenc.
	(<i>Alasmodonta</i> Barn., Conr.)		<i>glabratus</i> Sowerby.
25	alata Lea.		<i>Mya undulata</i> Wood Sup.
	<i>U. alatus</i> Say, Lam., Wood.	26	monodonta Say (<i>Unio</i>).
	<i>megapterus</i> Raf.		<i>U. soleniformis</i> Lea.
25	fragilis Raf.	26	confragosa Say, Conr.
	(<i>S. G. Leptodca.</i>)	26	ambigua Say.
	<i>U. gracilis</i> Barnes, Lea.	26	ponderosum Raf.
	<i>planus</i> Barnes (d'après		(<i>Leasmigona.</i>)
	M. Lea).	26	rugosum Raf. id.
	<i>fragilis</i> Swains., Conr.	26	sulcatum Raf. id.
	<i>S. gracilis</i> Lea.	26	viridis Raf. id.
25	Ohiensis Raf.	26	atropurpureum Raf.
	(<i>S. G. Lastena.</i>)		(<i>Decurambis.</i>)
	<i>U. lævissima</i> Conrad.	26	badium Raf. (<i>Sulcularia.</i>)
	<i>S. lævissima</i> Lea.	26	papyraceum Raf. id.
25	compressa Lea.	26	sculptilis Say, Conr.
	<i>U. compressus</i> Conr.	26	radiata Conr.
25	inflata Lea.	26	dubia Say.
	(<i>U. Ohiensis?</i> Say.)		<i>U. Hildrethianus</i> Lea.
	<i>U. Alabamensis</i> Conr.	26	margaritifera Linné. (<i>Mya.</i>)
25	leptodon Raf.		<i>Margaritana fluvialtilis</i> Sch.
	(<i>S. G. Leptodca.</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	Ravenelliana Lea.
	<i>planus</i> Barn. (selon M.		(<i>Margaritana.</i>)
	Say?)	26	Unio parvus Barnes.
25	diaphanus? Raf.	26	Glans Lea.
	(<i>Metaptera?</i>)		(<i>parvus?</i> Say.)
25	lasmabrachis? Raf.	26	Lens Lea.
	(<i>Metaptera?</i>)		(<i>lævigatus</i> , selon Conr. ; sub-
25	Poulsoni Conr.		<i>rotundus</i> , selon Say.)

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

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

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

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

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

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	<i>Tellina sordida</i> Couth.	217	<i>Bulla triticea</i> Couth.
216	<i>Cardium pubescens</i> Couth.	217	<i>Natica consolidata</i> Couth.
216	<i>Nucula myalis</i> Couth.	217	<i>Oxinoe? glabra</i> Couth.
216	<i>tenuisulcata</i> Couth.	217	<i>Jaminia exigua</i> Couth.
216	<i>Terebratula septentrionalis</i> Couth.	218	<i>Scalaria subulata</i> Couth.
216	<i>Eolis Bostoniensis</i> Couth.	218	<i>Novangliæ</i> Couth.
217	<i>salmonacea</i> Couth. (<i>Carolina</i> Brug.)	218	<i>Turbo incarnatus</i> Couth.
217	<i>gymnota</i> Couth. (<i>Tergipes</i> Cuv.)	218	<i>cinereus</i> Couth.
217	<i>Tritonia Reynoldsii</i> Couth.	218	<i>obscurus</i> Couth.
217	<i>Chiton fulminatus</i> Couth.	218	<i>Pyramis striatulus</i> Couth.
217	<i>sagrinatus</i> Couth.	218	<i>Turritella erosa</i> Couth.
217	<i>Emersonii</i> Couth.	218	<i>Pleurotoma bicarinata</i> Cou.
217	<i>Patella candida</i> Couth.	218	<i>Cancellaria buccinoides</i> C.
		218	<i>Fusus harpularius</i> Couth.
		218	<i>pleurotomarius</i> Couth.
		219	<i>Trichotropis costellatus</i> 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.)¹

Page.	Pl.	Fig.	Name.	Locality.
244	xx	7	<i>Modiola semicostata</i> <i>Conr.</i>	Salem, Mass.
251			<i>Venus Mortoni</i> <i>Conr.</i>	Charleston, S. C.
259	xx	3	<i>Tellina lintea</i> <i>Conr.</i>	Mobile Point, Ala.
263	xx	26	<i>Scalaria turbinata</i> <i>Conr.</i>	Beaufort, N. C.
265	xx	21	<i>Purpura Floridana</i> <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	<i>Lymnæa stagnalis</i> <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	<i>Pupa exigua</i> <i>Say.</i>	36	<i>Helix fuliginosa</i> <i>Griff.</i>
36	<i>ovata</i> <i>Say.</i>	36	<i>Pennsylvanica</i> <i>Green.</i>
36	<i>Helix albolabris</i> <i>Say.</i>	36	<i>Succinea ovalis</i> <i>Say.</i>
36	<i>thyroidus</i> <i>Say.</i>	36	<i>avara</i> <i>Say.</i>
36	<i>hirsuta</i> <i>Say.</i>	36	<i>obliqua</i> <i>Say.</i>
36	<i>perspectiva</i> <i>Say.</i>	36	<i>Melania depygis</i> <i>Say.</i>
36	<i>lineata</i> <i>Say.</i>	36	<i>Virginica</i> <i>Say.</i>
36	<i>labyrinthica</i> <i>Say.</i>	36	<i>subularis</i> <i>Lea.</i>
36	<i>multilineata</i> <i>Say.</i>	36	<i>Lymnæa elodes</i> <i>Say.</i>
36	<i>palliated</i> <i>Say.</i>	36	<i>reflexa</i> <i>Say.</i>
36	<i>gularis</i> <i>Say.</i>	36	<i>macrostoma</i> <i>Say.</i>
36	<i>ligera</i> <i>Say.</i>	36	<i>desidiosa</i> <i>Say.</i>
36	<i>solitaria</i> <i>Say.</i>	36	<i>stagnalis</i> <i>Lam.</i>
36	<i>concava</i> <i>Say.</i>	36	<i>Physa heterostropha</i> <i>Say.</i>
36	<i>profunda</i> <i>Say.</i>	36	<i>Paludina ponderosa</i> <i>Say.</i>
36	<i>alternata</i> <i>Say.</i>	36	<i>decisa</i> <i>Say.</i>
36	<i>egena</i> <i>Say.</i>	36	<i>granosa</i> <i>Say.</i>
36	<i>fallax</i> <i>Say.</i>	36	<i>Planorbis bicarinatus</i> <i>Say.</i>
36	<i>tridentata</i> <i>Say.</i>	36	<i>trivolis</i> <i>Say.</i>
36	<i>harpa</i> <i>Say.</i>	36	<i>campanulatus</i> <i>Say.</i>
36	<i>glaphyra</i> <i>Say.</i>	36	<i>armiger</i> <i>Say.</i>
36	<i>inornata</i> <i>Say.</i>	36	<i>exacuus</i> <i>Say.</i>

¹ 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, 1833.

[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 Green.</i>	171	32	<i>Unio iris Lea.</i>
170	2	<i>alatus Say.</i>	171	33	<i>irroratus Lea.</i>
170	* 3	<i>anodontoides Lea.</i>	171	*34	<i>Kirtlandianus Lea.</i>
170	4	<i>asperrimus Lea.</i>	171	35	<i>lævissimus Lea.</i>
170	5	<i>brevidens Lea.</i>	171	36	<i>lacrymosus Lea.</i>
170	* 6	<i>camelus Lea.</i>	171	37	<i>lens Lea.</i>
170	7	<i>capsæforinus Lea.</i>	171	38	<i>luteolus Lam.</i>
171	8	<i>clavus Lam.</i>	171	39	<i>metaevrus Raf.</i>
171	9	<i>circulus Lea.</i>	171	40	<i>multiradiatus Lea.</i>
171	10	<i>coccineus Hildreth.</i>	171	*41	<i>multiplicatus Lea.</i>
171	11	<i>compressus Lea.</i>	171	42	<i>mytiloides Raf.</i>
171	*12	<i>Cooperianus Lea.</i>	171	43	<i>monodontus Say.</i>
171	13	<i>cornutus Barnes.</i>	171	44	<i>nasutus Say.</i>
171	14	<i>crassidens Lam.</i>	171	45	<i>obliquus Lam.</i>
171	*15	<i>crassus Say.</i>	171	*46	<i>occidens Lea.</i>
171	16	<i>cylindricus Say.</i>	171	*47	<i>orbiculatus Hild.</i>
171	*17	<i>declivis Say.</i>	171	48	<i>ovatus Say.</i>
171	18	<i>dehiscens Say.</i>	171	49	<i>parvus Barnes.</i>
171	*19	<i>donaciformis Lea.</i>	171	50	<i>patulus Lea.</i>
171	20	<i>Dorfeullianus Lea.</i>	171	*51	<i>perplexus Lea.</i>
171	21	<i>ebenus Lea.</i>	171	*52	<i>personatus Say.</i>
171	22	<i>elegans Lea.</i>	171	53	<i>phaseolus Hild.</i>
171	23	<i>ellipsis Lea.</i>	171	54	<i>pilleus Lea.</i>
171	24	<i>fabalis Lea.</i>	171	*55	<i>plicatus Say.</i>
171	25	<i>foliatus Hild.</i>	171	56	<i>pustulatus Lea.</i>
171	26	<i>fragosus Conr.</i>	171	57	<i>pustulosus Lea.</i>
171	27	<i>gibbosus Barnes.</i>	171	58	<i>pyramidatus Lea.</i>
171	28	<i>glans Lea.</i>	171	59	<i>Rangianus Lea.</i>
171	29	<i>gracilis Barnes.</i>	171	60	<i>rectus Lam.</i>
171	30	<i>graniferus Lea.</i>	171	61	<i>retusus Lam.</i>
171	31	<i>Hildrethianus Lea.</i>	172	62	<i>rubiginosus Lea.</i>

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

UNIVALVE SHELLS.

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

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

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

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

Page.

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

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

LYMNEANA.

14 Planorbis trivolvis Say.	15 Physa elongata Say.
14 exacuus Say.	15 Lymneus columellus Say.
14 campanulatus Say.	15 elodes Say.
14 bicarinatus Say.	15 desidiosus Say.
14 Physa heterostropha Say.	15 stagnalis .

MELANIANA.

15 Melania Virginia Say.	15 Melania depygis Say.
---------------------------------	--------------------------------

PERISTOMIANA.

15 Valvata tricarinata Say.	15 Paludina decisa Say.
15 sincera Say.	15 ponderosa 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 Loligo punctata.	12 Helix monodon.
12 Helix thyroidus.	12 hirsuta.
12 albolabris.	12 tridentata.

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

De Kay.—(Same as last. Dec. 1839.)

CLASS V. **MOLLUSCA.**

Order I. **Cephalopoda.**

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

Order II. **Pteropoda.**

31 *Clio borealis*.

Order III. **Gasteropoda.**

† **PULMONEA.**

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

Page.		Page.	
31	<i>Helix zaleta.</i>	31	<i>Auricula borealis.</i>
31	dentifera.	31	<i>Planorbis trivolvis.</i>
31	subglobosa.	31	bicarinatus.
31	scabra.	31	campanulatus.
31	arborea.	31	parvus.
31	glaphyra.	31	exacius.
31	lineata.	32	armigerus.
31	fallax.	32	megastoma, n. sp.
31	fraterna.	32	niger n. sp.
31	diodonta.	32	<i>Lymnea catascopium.</i>
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	<i>Pupa corticaria.</i>	32	humilis.
31	exigua.	32	pinguis.
31	pentodon.	32	nigrescens, n. sp.
31	ovata.	32	modicellus.
31	<i>Succinea obliqua.</i>	32	gracilis, n. sp.
31	putris.	32	<i>Physa heterostropha.</i>
31	lineata, n. sp.	32	ancillaria.
31	ovalis.	32	fragilis n. sp.
31	<i>Auricula cornea.</i>	32	elliptica.
31	lineata.		

†† NUDIBRANCHIATA.

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

††† INFEROBRANCHIATA, not observed.

†††† TECTIBRANCHIATA.

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

††††† HETEROPODA, not observed.

††††† PECTINIBRANCHIATA.

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

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

†† NUDA.

34	Ascidea rustica.	34	Ascidea ovalis.
34	pedunculata.	34	Botryllus stellatus.
34	plicata.	34	Polyclinum.

Order V. **Brachiopoda.**

34	Terebratula septentrionalis.
----	-------------------------------------

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

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

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	<i>Unio Sayii</i> Ward.	Cireleville.
269	iii	2	<i>Paludina heterostropha</i> Kirtland.	Mahoning river.
269	iii	3	<i>Physa Sayii</i> Tappan.	Lake Pepin, Ohio.

Jay.—A Catalogue of the Shells, arranged according to the Lamarekian 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	<i>Paludina scalaris</i> Jay.	Everglades of Florida.
112	i	10, 11	<i>Lymnæa gracilis</i> Jay.	Essex County, N. Y.
113	i	17, 18	<i>Trichotropis costulatus</i> Couth.	Massachusetts Bay.
		iii	<i>Ampullaria scalaris</i> Orb.	Mexico.
		v	<i>Unio spinosus</i> Lea.	Altamaha river.
122	vii	11	<i>Melania læta</i> 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	<i>Thracia Conradi</i> Couth. <i>T. declivis</i> Conrad, non Pennant. <i>Anatina convexa</i> Hitchcock's Rep. <i>Thracia corbuloides</i> Kiener.	New England.
384	<i>Osteodesma hyalina</i> Couth. <i>Mya hyalina</i> Conrad. <i>Amphidesma corbuloides</i> Hitchcock's Rep.	
385	<i>Eollis diversa</i> Couth.	Massachusetts Bay.
385	<i>Cochleodesma</i> Couth. (n. g.) ex. <i>Anatina Leana</i> Conr.	
389	<i>Nucula navicularis</i> Couth.	Massachusetts Bay.
389	<i>Bulla lineolata</i> 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.	Ohio riv., N.J. streams;
		<i>P. heterostropha</i> Kirtland.	Del., Schuylkill, Sus-
		<i>limosa</i> Val.	quehanna rivs.; New
		<i>cornea</i> Val.?	Engl., O.; Fox, Nola-
		<i>ponderosa</i> , jun. Desh.?	chucky, Tenn. rivs.;
			N. W. Terr.
8	ii	<i>subcarinata</i> Say.	Ohio, Del., Schuylkill,
		<i>Helix decisa</i> Wood.	and Susq. rivers.
		<i>P. carinata</i> Val. (removed in errata).	

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

No. II.—January, 1841.

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

No. III.—July, 1841.

Subgenera of LIMNEA.

5			<i>Limnea</i> Lam.	
5			<i>Radix</i> Mont.	
6			<i>Laptolimnea</i> Swainson.	
6			<i>Bulimnea</i> Hald.	
6			<i>Acella</i> Hald.	
6	i		<i>Limnea catascopium</i> 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		<i>emarginata</i> Say.	N. W. Terr., Maine.
10			<i>serrata</i> Hald. (n. sp.?)	

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

No. IV.—January, 1842.

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

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

Part V.—July, 1842.

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

No. VI.—January, 1843.

23	i		Physa heterostropha <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	ancillaria Say.	Del. and Conn. rivers.
			<i>P. Sayii</i> Tappan.	
29	ii	11-13	osculans Hald.	Mexico? India?
			<i>Bulla fontinalis</i> Chem.?	
30	ii	10	concolor Hald.	Oregon.
31	iii	11-13	fragilis Mighels.	Maine.
32	iii	1-6	gyrina Say.	Mo., Ind., Ohio, Ver't,
			<i>P. elliptica</i> Lea.	Georgia.
33	iv	7-8	integra Hald.	Indiana.
34	iv	9	scalaris Jay.	Florida.
35	v	1-3	distorta Hald.	Mo., Ohio, Ky.
36	v	4-9	hypnorum Lin.	Mass., Vt., N. Y., West.
			<i>P. elongata</i> Say.	States, Oregon.
			<i>Aplexa hypnorum</i> Gray, &c.	
38	v	10-12	globosa Hald.	Nolachucky river.
			<i>Physella globosa</i> Hald.	
39	iv	12-14	microstoma Hald.	Kentucky, Ohio.
			<i>Physodon microstoma</i> Hald.	
4 of cover			<i>P. striata</i> and <i>P. subarata</i> Mke. = P. heterostropha ?	
4	"		<i>Melania cruentata</i> Mke. = Anculosa præerosa Say.	
4	"		<i>livescens</i> Mke., <i>curta</i> Mke., and <i>fasciata</i> Mke. = M. Virginica .	
4	"		<i>Warderiana</i> Lea = M. simplex Say.	
4	"		<i>acuto-carinata</i> Lea = M. simplex Say.	
4	"		<i>Hildrethiana</i> Lea = M. obovata Say.	
4	"		<i>globula</i> Lea = M. subglobosa Say.	
4	"		<i>virgata</i> Lea = M. subglobosa Say.	
4	"		<i>Cincinnatiensis</i> Lea = Anculosa præerosa Say.	
4	"		<i>Anculosa dentata</i> Lea = A. dentata Couthouy.	
4	"		<i>Melania catenaria</i> Lea (name preoc.)	
4	"		<i>Lymnea fusiformis</i> Lea (name preoc.)	
4	"		<i>Io tenebrosa</i> Lea = Fusus fluviatilis Say.	
4	"		<i>Melania Kirtlandiana</i> Lea = M. exilis Hald.	
4	"		<i>Paludina angulata</i> Lea	} = P. magnifica Conr.
4	"		<i>coosüensis</i> Lea	
4	"		<i>bimonilifera</i> Lea	

No. VII.—January, 1844.

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

No. VIII. (No date.)

Pa.	Pl.	Fig.	Name.	Locality.
7	i	2, 3	Amnicola decisa Hald.	Susq. & Schuylk. rivs.
9	i	4	Cincinnatiensis Anthony. <i>Paludina Cincinnatiensis</i> Anth.	Cincinnati.
10	i	5, 6	limosa 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	pallida Hald. <i>Pal. lustrica</i> Adams.	Lake Champlain.
13	i	8	porata Say. <i>Paludina porata</i> Say.	Cayuga Lake.
15	i	9	galbana Hald. (fossil).	Sussex Co., N. Jersey.
16			lustrica Say. <i>Paludina lustrica</i> Say.	Cayuga Lake.
17			granum Say. <i>Paludina grana</i> Say.	Philadelphia.
18	i	10	lapidaria Say. <i>Pal. lapidaria</i> Say.	East and west of Alle- ghanies.
19	i	11	Sayana Anthony, in lett. <i>Cyclostoma Cincinnatiensis</i> Lea.	Cincinnati.
21	i	12	Nickliniana Lea. <i>Paludina Nickliniana</i> Lea.	Virginia.
22	i	13	attenuata Hald. <i>A. elongata</i> in tab.	Montgomery Co., Va.
23	i	14-15	tenuipes Couper.	Georgia.
24			orbiculata Lea.	Ohio, Philadelphia.
24			parva Lea.	Springfield, Ohio.
24			obtusa Lea (<i>Paludina</i>).	Ohio.
5	i, ii		Ampullaria depressa Say. <i>A. paludosa</i> Say. <i>Hopetonensis</i> Lea.	Georgia, Florida.
8			globosa Swainson. <i>A. rotundata</i> Say.	Florida? Calcutta?
10			flagellata Say.	Mexico.
11			urceus Müller. <i>A. rugosa</i> Lam.	Mexico.
11			Paludina intertexta Say. = Ampullaria?	
11			ponderosa Say, is a true Paludina .	
3	i	1-4	Valvata tricarinata Say. <i>Cyclostoma tricarinata</i> Say. <i>Valvata carinata</i> Sowb. var. simplex Gould. var.? bicarinata Lea. var.? unicarinata 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>Solecrtus 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 rosoceum</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>Jamina 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>Zigzac</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</i> Say.	4	<i>Pupa modesta</i> Say.
2	<i>appressa</i> Say.	1	<i>Succinea avara</i> Say.
3	<i>alternata</i> Say.	2	<i>campestris</i> Say.
4	<i>arborea</i> Say.	3	<i>ovalis</i> Say.
5	<i>concava</i> Say.	1	<i>Valvata sincera</i> Say.
6	<i>chersina</i> Say.	2	<i>tricarinata</i> Say.
7	<i>clausa</i> Say.	1	<i>Amnicola integra</i> Say.
8	<i>elevata</i> Say.	2	<i>lapidaria</i> Say.
9	<i>electrina</i> Gould.	3	<i>lustrica</i> Say.
10	<i>fuliginosa</i> Griff.	1	<i>Cyclostoma Cincinnatiensis</i> <i>Lea.</i>
11	<i>fraterna</i> Say.	1	<i>Anculosa prærosa</i> Say.
12	<i>fallax</i> Say.	1	<i>Physa ancillaria</i> Say.
13	<i>glaphira</i> Say.	2	<i>elongata</i> Say.
14	<i>hirsuta</i> Say.	3	<i>heterostropha</i> Say.
15	<i>inornata</i> Say.	4	<i>gyrina</i> Say.
16	<i>indentata</i> Say.	1	<i>Paludina ponderosa</i> Say.
17	<i>inflecta</i> Say.	2	<i>integra</i> Say.
18	<i>interna</i> Say.	3	<i>limosa</i> Say.
19	<i>ligera</i> Say.	4	<i>subcarinata</i> Say.
20	<i>labyrinthica</i> Say.	5	<i>pallida</i> Lea.
21	<i>lineata</i> .	1	<i>Limnea columella</i> Say.
22	<i>limatula</i> Ward.	2	<i>caperata</i> Say.
23	<i>leai</i> Ward.	3	<i>desiduoosa</i> Say.
24	<i>minuta</i> Say.	4	<i>elodes</i> Say.
25	<i>multilineata</i> Say.	5	<i>humilis</i> Say.
26	<i>minuscule</i> Binney.	6	<i>jugularis</i> Say.
27	<i>profunda</i> Say.	7	<i>reflexa</i> Say.
28	<i>palliatæ</i> Say.	8	<i>umbrosa</i> Say.
29	<i>perspectiva</i> Say.	1	<i>Planorbis armigerus</i> Say.
30	<i>Pennsylvanica</i> Green.	2	<i>bicarinatus</i> Say.
31	<i>rudærata</i> Scuder.	3	<i>campanulatus</i> Say.
32	<i>solitaria</i> Say.	4	<i>corpulentus</i> Say.
33	<i>suppressa</i> Say.	5	<i>concava</i> Anthony.
34	<i>diodonta</i> Say.	6	<i>deflectus</i> Say.
35	<i>thyroideus</i> Say.	7	<i>Broggiartiana</i> Lea.
36	<i>tridentata</i> Say.	8	<i>lentus</i> Say.
37	<i>zæleta</i> Say.	9	<i>parvus</i> Say.
38	<i>intertexta</i> Binney.	10	<i>trivolis</i> Say.
1	<i>Pupa armifera</i> Say.	1	<i>Melania canaliculata</i> Say.
2	<i>contracta</i> Say.	2	<i>conica</i> Say.
3	<i>exigua</i> Say.		

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

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

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

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

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

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

Haldeman.—Observations on the Melanians of Lamarek: 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 236 of the Journal being page 3 of the pamphlet.—W. G. B.]

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

Page.		Page.	
276	Anodonta Benedictensis	276	Unio compressus <i>Lea.</i>
	<i>Lea.</i>	276	rectus <i>Lam.</i>
276	cataracta <i>Say.</i>	276	ventricosus <i>Barnes.</i>
276	Wardiana <i>Lea?</i>	276	luteolus <i>Lam.</i>
276	Alasmodonta arcuata <i>Barn.</i>	276	complanatus <i>Lea.</i>
276	rugosa <i>Barnes.</i>	277	Cyclas elegans <i>Adams.</i>
276	undulata <i>Say.</i>	277	rhomboida <i>Say.</i>
276	Unio alatus <i>Say.</i>	277	partumeia <i>Say.</i>
276	gracilis <i>Barnes.</i>	277	calyculata <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	Limax togata <i>Gould.</i>	6	Eolis Bostoniensis <i>Gould.</i>
3	tunicata <i>Gould.</i>		<i>E. rufibranchialis</i> <i>Johnston?</i>
4	Doris illuminata <i>Gould.</i>	6	salmonacea <i>Couth.</i>
5	Tritonia arborescens <i>Cuv.</i>	6	diversa <i>Couth.</i>
	<i>Doris arborescens</i> <i>Müll.</i>	7	gymnota <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.*

P. bifrons *Da Costa.*

27 **crispata** *Lin.*

latus *Lister.*

Family Solenacea *Lam.*

28 **Solen ensis** *Lin.*

S. curvus *Lister.*

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

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

Solen caribæus *Lam.*

Solen fragilis *Pult.*

Solecortus fragilis *Conr.*

Solen centralis *Say.*

Solecortus Caribæus *Conr.*

Psammobia teniata *Turton.*

Guineensis *Chem.*

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

Pa. Fig.		Pa. Fig.	
34 p. 24	Machæra costata Say. <i>Solen costatus</i> Say. <i>Solecirtus costatus</i> Say.	37 27	Panopæa arctica Lam. <i>Glycymeris arctica</i> Lam.
35	Solemya velum Say.	39	Glycymeris siliqua Chemn. <i>Mya siliqua</i> Chemn. <i>G. incrassata</i> Lam. <i>Mya picea</i> Wood.
36	borealis Tott. <i>S. velum</i> Conr.		

Family **Myaria.**

40	Mya arenaria Lin. <i>M. mercenaria</i> Say. <i>acuta</i> Say.	43 37	Corbula contracta Say.
42	truncata Lin.	44	Pandora trilineata Say. <i>P. nasuta</i> Sowerby.

Family **Osteodesmacea.**

46 10	Osteodesma hyalina Conr. <i>Mya hyalina</i> Conr. <i>Lyonsia hyalina</i> Conr.	49 29,	Cochlodesma Leana Conr.
		30	<i>Anatina Leana</i> Conr.
47 28	Anatina papyracea Say. <i>A. papyratia?</i> Totten. <i>A. fragilis</i> Totten.	50	Thracia Conradi Couth. <i>T. declivis</i> Conr. <i>Anatina convexa</i> Hitch. Cat.

Family **Mactracea** Lam.

51	Mactra solidissima Chemn. <i>M. gigantea</i> Lam. <i>Luteola</i> Loven (young).		<i>Mactra arcata</i> Conr. <i>daurata</i> Conr. <i>subtriangulata</i> Conr.
53 32	ovalis Gould. <i>M. similis</i> Gray. <i>grandis</i> Desh.	58 38	Mesodesma Jauresii De Joan.
54 34-5	lateralis Say.	59	Montacuta bidentata Mont. <i>Mya bidentata</i> Mont.
56 36	Cumingia tellinoides Conr. <i>Mactra tellinoides</i> Conr.	60 33	Kellia rubra Mont. <i>Cardium rubrum</i> Mont. <i>larve</i> Walker.
57 39	Mesodesma arcata Conr.		<i>Tellina rubra</i> Turton.

Family **Lithophagidæ** Lam.

61 40	Saxicava distorta Say. <i>Mytilus rugosus</i> Lin.	63	Petricola pholadiformis Lam. <i>P. fornicata</i> Say.
		65 41	dactylus Sowb.

Family **Nymphacea** Lam.

66 42	Sanguinolaria fusca Say. <i>Psammodia fusca</i> Say. <i>Tellina inconspicua?</i> Sowb. <i>Grönlandica</i> Beck. <i>Balthica</i> Lin.	67 43	Tellina tenta Say.
		68 44	tenera Say.
67	sordida Couth. <i>Tellina sordida</i> Couth.	69	Lucina radula Mont. <i>Tellina radula</i> Mont. <i>Venus borealis</i> Donovan. <i>Venus spuria</i> Dillwyn. <i>Pectunculus subfuscus</i> Lister.

- | | | | |
|------------------------------|--|----------|---|
| Pa. Fig. | | Pa. Fig. | |
| 70 | Lucina divaricata Lin.
<i>Tellina divaricata</i> Lin.
<i>Cardium arcuatum</i> Mont.
<i>Pectunculus parvus</i> Lister.
<i>Strigilla divaricata</i> Turton. | 71 52 | Lucina flexuosa Mont.
<i>Tellina flexuosa</i> Mont.
<i>Venus sinuosa</i> Donovan.
<i>Cryptodon flexuosa</i> Turton. |
| Family Conchacea Lam. | | | |
| 72 53 | Cyclas similis Say.
<i>C. sulcata</i> Lam. | | <i>sulcata</i> Fleming.
<i>Venus Scotica</i> Mont. |
| 73 54 | partumeia Say.
<i>C. cornea</i> Lam. (var.) | 80 47 | Astarte lactea Br. & Sowb. |
| 74 55 | elegans Adams. | 81 48 | quadrans Gould. |
| 75 56 | dubia Say. | 82 | Cyprina Islandica Lin.
<i>Pectunculus maximus</i> Lister.
<i>crassus</i> Da Costa.
<i>Venus Islandica</i> Lin.
<i>mercenaria</i> Pennant.
<i>bucardium</i> Born.
<i>Cyprina vulgaris</i> Sowb. |
| 76 45 | Astarte castanea Say.
<i>Venus castanea</i> Say.
<i>Crassina castanea</i> Lam. | 84 49 | Cytherea convexa Say. |
| 78 46 | sulcata Mont.
<i>Venus sulcata</i> Mont.
<i>Danmonia</i> Mont.
<i>Danmoniensis</i> Blainv.
<i>Crassina sulcata</i> Turton.
<i>Danmoniensis</i> Lam.
<i>Astarte Danmoniensis</i> Sowb. | 85 67 | Venus mercenaria Lin. |
| | | 86 67 | notata Say. |
| | | 87 50 | fluctuosa Gould. |
| | | 88 51 | gemma Tott. |

Family **Cardiacea** Desh.

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

Family **Arcaea** Lam.

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

Family **Naiades** Lam.

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

Family **Mytilacea** Lam.

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

Family **Pectenides** Lam.

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

Family **Ostracea** Lam.

Pa. Fig.		Pa. Fig.	
136	Ostrea Virginiana 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	borealis Lam. <i>O. Canadensis</i> Brug.	138	Anomia ephippium Lin. <i>Ostreum parvum</i> Lister.
		139 90	aculeata Gmel.
		140	electrica Lin.
		140	squamula Lin.

Family **Brachiopoda** Lam.

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

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

143 20	Chiton apiculatus Say. <i>C. pectinatus</i> Gould, olim.		<i>Patella testudinaria</i> Kaemm. <i>tessellata</i> Müll.
147 22	marginatus Penn. <i>C. cinereus</i> Lowe.		<i>Clealandi</i> Sowb. <i>virginica</i> Müll. <i>virginica?</i> Gmel. <i>amana</i> Say.
148 23	fulminatus Couth.		<i>Patelloidea amana</i> Couth. <i>Patelloidea testudinalis</i> Lea. <i>Patella clypeus</i> Brown. <i>L. Antillarum</i> Sowb.
149 24	ruber Lowe.		
150 21	albus Mont. <i>C. aselloides</i> Lowe. <i>sagrinatus</i> Couth.		
151 19	Emersonianus Couth.		
152	Patella candida Couth.	154 13	Lottia alveus Conr. <i>Patella alveus</i> Conr. <i>Patelloidea alveus</i> Couth.
153 12	Lottia testudinalis Müll. <i>Patella testudinalis</i> Müll.		

Family **Cirrobranchiata** Blainv.

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

Family **Calyptracea** Lam.

156 18	Cemoria Noachina 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	Crepidula fornicata Lin. <i>Patella fornicata</i> Lin.
		159 16	plana Say.
		160 15	convexa Say. <i>C. unguiformis</i> Lam.?
		161 14	glauca Say.

Family **Bulleana** Lam.

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

Family **Colimacea** Lam.

170 101	Helix albolabris Say. <i>Cochlea Virginiana</i> Lister.	185 105	Helix chersina Say.
171 108	thyroidus Say. <i>Cochlea umbilicata</i> Lister. <i>terrestris Virginiana</i> Schroet. <i>Mesodon leucodon</i> Raf.	186 117	Pupa contracta Say.
172	hortensis Müll. <i>H. subglobosa</i> Binney.	187 118	milium Gould.
173 115	tridentata Say.	188 119	modesta Say.
174 113	monodon Rack.	189 120	curvidens Gould.
175 116	hirsuta Say. <i>H. fraterna</i> Wood. <i>Stenotrema convexa</i> Raf.	190 121	simplex Gould.
176 102	pulchella Müll. <i>Turbo helicinus</i> Lightfoot. <i>H. paludosa</i> Mont., &c. &c. <i>minuta</i> Say.	191 122	exigua Say.
177 114	alternata Say. <i>H. scabra</i> Lam. <i>radiata</i> Gmel.	192 123	fallax Say. <i>Cyclostoma marginata</i> Say. <i>P. fallax?</i> Say. <i>placida?</i> Say.
178 112	striatella Anthony.	193 124	Bulimus lubricus 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	lineata Say. <i>Planorbis parallelus?</i> Say.	194 125	Succinea ovalis Say.
180 104	cellaria 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	campestris Say.
181 109	indentata Say.	196 127	avara Say. <i>S. vermeta</i> Say.
182 110	arborea Say.	197 130	Auricula bidentata Say. <i>Melampus bidentatus</i> Say. <i>A. cornea</i> Desh.
183 111	electrina Gould.	199 129	denticulata 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	labyrinthica Say.		

Family **Limneana** Lam.

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

Family **Peristomata** Lam.

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

Family **Neritacea** Lam.

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

Family **Macrostromata** Lam.

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

Family **Plicacea** Lam.

- | | |
|----------|---|
| Pa. Fig. | Pa. Fig. |
| 245 188 | Tornatella puncto-striata Adams. |

Family **Scalariana** Lam.

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

Family **Turbinacea** Lam.

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

Family **Canalifera** Lam.

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

- | Pa. Fig. | | Pa. Fig. | |
|----------|--|----------|---|
| 284 | Fusus Islandicus Gmel.
<i>Murex corneus</i> Pennant.
<i>Islandicus</i> Gmel.
<i>F. corneus</i> Say.
<i>Buccinum gracile</i> Da Costa.
<i>angustius</i> Lister. | 290 192 | Fusus rufus Montagu.
<i>Murex rufus</i> Mont.
<i>F. pleurotomarius</i> Couth. |
| 284 199 | (var.) pygmæus . | 291 191 | harpularius Couth. |
| 285 200 | ventricosus Gmel.
<i>F. Islandicus</i> Kiener (var.)
<i>corneus</i> Brown (var.)
<i>striatus</i> Coll. Par. | 292 193 | turricula Montagu.
<i>Murex turricula</i> Montagu.
<i>angulatus</i> Don. |
| 286 201 | tornatus Gould. | 293 | muricatus Montagu.
<i>Murex muricatus</i> Mont. |
| 287 202 | decemcostatus Say.
<i>F. carinatus</i> Kiener. | 294 206 | Pyrula canaliculata Lin.
<i>Murex canaliculatus</i> Lin.
<i>P. spirata</i> Kiener. |
| 288 203 | scalariformis Gould. | 296 | carica Gmel.
<i>Murex carica</i> Gmel. |
| 289 198 | Bamffius Don.
<i>Murex Bamffius</i> Don. | 297 204 | Ranella caudata Say. |

Family **Alata** Lam.

- 298 205
- Rostellaria occidentalis**
- Beck.

Family **Pupurifera** Lam.

- | | | | |
|---------|--|---------|---|
| 300 207 | Trichotropis borealis Sowb.
<i>T. costellatus</i> Couth. | | <i>B. striatum</i> Pennant. |
| 301 | Purpura lapillus Lin.
<i>P. imbricata</i> Lam.
<i>bizonalis</i> Lam.
<i>Buccinum lapillus</i> Lin.
<i>Tritonium lapillus</i> Müll.
<i>Purpuro-Buccinum</i> Da Costa. | 307 209 | Buccinum ciliatum O. Fabr.
<i>Tritonium ciliatum</i> O. Fabr.
<i>B. ventricosum</i> Kiener. |
| 303 213 | Buccinum plicosum Menke.
<i>Fusus cinereus</i> Say. | 308 210 | obsoletum Say.
<i>Nassa obsoleta</i> Say.
<i>B. Nov-Eboracensis</i> Wood.
<i>oliviforme</i> Kiener. |
| 304 208 | Donovani Gray.
<i>B. glaciæ</i> Don. | 309 211 | trivittatum Say.
<i>Nassa trivittata</i> Say. |
| 305 | undatum Lin.
<i>B. crassum rufescens</i> Lister.
<i>vulgare</i> Da Costa.
<i>Tritonium undatum</i> Müll. | 310 212 | vibex Say.
<i>Nassa vibex</i> Say. |
| | | 311 195 | rosaceum Gould. |
| | | 312 196 | lunatum Say.
<i>Nassa lunata</i> Say. |

Family **Columellaria** Lam.

- 313 197
- Columbella avara**
- Say.

CLASS **CEPHALOPODA** CUVIER.

- | | | | |
|-----|---|-----|------------------------------------|
| 317 | Spirula Peronii Lam.
<i>Nautilus spirula</i> Lin. | 318 | Loligo illecebrosa Lesueur. |
|-----|---|-----|------------------------------------|

CLASS **TUNICATA** CUVIER.

- | | | | |
|-----|--------------------------------------|----------------------------------|------------------------------------|
| 319 | Ascidia rustica Lin. | <i>Ascidia globifera</i> Sabine. | |
| 319 | Boltenia reniformis Mac Leay. | <i>clavata</i> Fabr. | |
| | | 320 | Botryllus stellatus 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	Thracia inequalis 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	Paludina decisa Say, fig.	156 6	Planorbis deflectus Say.
152 2	integra Say.	156 6	hirsutus Gould.
152 2	porata Say.	156 6	Succinea obliqua Say, fig.
152 2	lustrica Say.	156 6	ovalis Say.
152 2	Valvata sincera Say.	156 6	avara Say.
152 2	Melania depygis Say, fig.		<i>S. vermeta</i> Say.
153 3	Limnæa megasoma Say,	157 7	Bulimus lubricus Dr.
153 3	appressa Say. [fig.]	157 7	Pupa milium Gould.
153 3	gracilis Jay.	157 7	ovata Say.
153 3	pallida Adams.	157 7	badia Adams.
153 3	elodes Say.	157 7	armifera Say.
154 4	desidiosa Say.	158 8	albilabris Ward, ined.
154 4	caperata Say.		<i>Cyclostoma marginata</i> S.
154 4	Physa ancillaria Say.	158 8	contracta Say.
154 4	heterostropha Say, fig.	158 8	Tappaniana Ward, ined.
154 4	gyrina Say.	158 8	exigua Say, fig.
154 4	hypnorum Dr.	159 9	Helix albolabris Say, fig.
	<i>P. elongata</i> Say.	159 9	thyroidus Say.
155 5	Planorbis trivolvis Say,	159 9	dentifera Binn.
	<i>P. lentus</i> Say. [fig.]	159 9	palliata Say.
	<i>corpulentus</i> Say.	159 9	monodon Rack.
155 5	campanulatus Say.		<i>H. fraterna</i> Say.
155 5	bicarinatus Say.	159 9	concava Say.
155 5	armigerus Say.		(incl. <i>H. Vancouverensis</i> Lea.)
155 5	exacutus Say.		
156 6	parvus Say.		

Page Hist. Pam.		Page Hist. Pam.	
159	9 <i>Helix pulchella</i> Müll. <i>H. minuta</i> Say	164	14 <i>Anodonta fluviatilis</i> <i>Dillw.</i>
160	10 <i>Sayii</i> Binn. <i>H. diodonta</i> Say.	165	15 <i>undulata</i> Say.
160	10 <i>tridentata</i> Say.	165	15 <i>Alasmodonta arcuata</i> <i>Barnes, fig.</i>
160	10 <i>labyrinthica</i> Say.	165	15 <i>rugosa</i> Barnes.
160	10 <i>indentata</i> Say.	165	15 <i>undulata</i> Say.
160	10 <i>arborea</i> Say.	166	16 <i>Unio alatus</i> Say, fig. on p. 14.
161	11 <i>electrina</i> Gould.	166	16 <i>gracilis</i> Barnes.
161	11 <i>inornata</i> Say.	166	16 <i>compressus</i> Lea. var. <i>plebeius</i> Adams.
161	11 <i>fuliginosa</i> Griff. <i>H. lucubrata</i> Say.	167	17 <i>complanatus</i> Lam.
161	11 <i>multidentata</i> Binn.	167	17 <i>siliquoides</i> Barnes.
161	11 <i>minuscule</i> Binn.	167	17 <i>ventricosus</i> Barnes.
161	11 <i>lineata</i> Say.	167	17 <i>rectus</i> Lam.
162	12 <i>striatella</i> Anth.	168	18 <i>Cyclas elegans</i> Adams, fig.
162	12 <i>alternata</i> Say, fig.	168	18 <i>similis</i> Say.
162	12 <i>chersina</i> Say.	168	18 <i>rhomboidea</i> Say.
162	12 <i>Vitrina pellucida</i> Dr.	168	18 <i>partumeia</i> Say.
163	13 <i>Limax campestris</i> Binn.	168	18 <i>calyculata</i> Dr.
163	13 <i>Tebennophorus Carolin-</i> <i>ensis</i> Bosc.	169	19 <i>minor</i> Adams.
163	13 <i>Philomyous dorsalis</i> <i>Binn.</i>	Notes on—	
164	14 <i>Ancylus parallelus</i> Hald.	169	19 <i>Limnæa expansa</i> Hald.
164	14 <i>tardus</i> Say.	169	19 <i>Auricula bidentata</i> Say (not in Vermont).
164	14 <i>Anodonta Benedictensis</i> <i>Lea, fig. on p. 16.</i>	169	19 <i>Ammicola porata</i> .
164	14 <i>marginata</i> Say.	169	19 <i>lustrica</i> .
		169	19 <i>pallida</i> 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	<i>Teredo navalis</i> Lin.	29	<i>Machaera costatus</i> Gould. <i>Solecortus costatus</i> Say
23	<i>Pholas costata</i> Lin.	30	<i>Solemya borealis</i> Tott.
24	<i>crispata</i> Lin.	31	<i>velum</i> Say.
25	<i>Solen ensis</i> Lin.	32	<i>Panopæa arctica</i> Gould. <i>Glycymeris arctica</i> Lam.
26	<i>viridis</i> Say.	33	<i>Glycymeris siliqua</i> Lam.
27	<i>Solecortus caribæus</i> Conr. <i>Solen caribæus</i> Lam.	34	<i>Mya arenaria</i> Lin. <i>M. mercenaria</i> Say.
28	<i>fragilis</i> Conr. <i>Solen fragilis</i> Pultney. <i>centralis</i> Say.	35	<i>truncata</i> Lin.

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

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

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

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

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

CEPHALOPODA.

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

PTEROPODA.

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

GASTEROPODA.

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

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

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

ACEPHALA.

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

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

TUNICATA.

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

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	Unio perplicatus <i>Conrad.</i>	Jackson, La.
179	nodiferus <i>Conrad.</i>	Jackson, La.
179	parallelus <i>Conrad.</i>	Jackson, La.

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

Page.	Name.	Locality.
182	Helix lasmodon <i>Philipp's.</i>	Alabama.

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

Page.	Name.	Locality.
200	<i>Ammicola attenuata</i> Hald.	Montgomery Co., Va.
200	<i>lapidaria</i> Say (notes on).	
200	<i>Sayana</i> Anthony (notes on).	
200	<i>Cincinnatiensis</i> Lea = <i>Sayana</i> (notes on).	
200	<i>Melania integra</i> = <i>Ammicola</i> (notes on).	
200	<i>Physa globosa</i> Hald.	Nolachucky river.
201	<i>Unio puniceus</i> Hald.	Holston river, Va.
202	<i>abacus</i> Hald.	Holston river, Tenn.
202	<i>Anodon plicatus</i> Hald.	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	<i>Loligo punctata</i> De Kay.	
4	xxxviii	354	<i>Pealeii</i> Les., e. l.	South Carolina.
4			<i>illecebrosa</i> Les., e. l.	Massachusetts.
4			<i>Bartlingii</i> Les., e. l.	Gulf stream.
4	xxxviii	353	<i>pavo</i> Les., e. l.	Massachusetts.
4	xxxvii	352	<i>Bartrami</i> Les., e. l.	Coast of U. S.
4	xxxvii	351	<i>brevipinna</i> Les., e. l.	Delaware bay.

Siphonidae.

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

PTEROPODA.

Clionidae.

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

GASTEROPODA.

NUDIBRANCHIA.

Doridae.

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

Tritonidæ.

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

Glaucidæ.

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

INFRABRANCHIA.

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

TECTIBRANCHIA.**Aceridæ.**

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

PULMONBRANCHIA.

Limacidae.

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

Helicidae.

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

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

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

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

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

Cyclostomidæ.

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

Helicinidæ.

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

PECTINIBRANCHIA.**Turbinidæ.**

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

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

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

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

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

Page.	Plate.	Fig.	Name.	Locality.
119			Valvata arenifera <i>Lea</i> is the larva-case of some insect.	
119			<i>pupoidea</i> <i>Gould</i> , e. 1.	Massachusetts.
120	vii	148	Natica heros <i>Say</i> .	
121	vii	147	<i>duplicata</i> <i>Say</i> .	
121	vii	144	<i>triseriata</i> <i>Say</i> .	
122	vii	146	<i>immaculata</i> <i>Totten</i> .	
122	vii	150	<i>clausa</i> <i>Sowerby</i> .	
			<i>N. consolidata</i> <i>Couth</i> .	
123	vii	145	<i>pusilla</i> <i>Say</i> .	
123			<i>flava</i> <i>Gould</i> .	
123			<i>canrena</i> <i>Lam</i> .	Asiatic, not Am.
123			<i>alba</i> <i>Say</i> [no description: doubtful].	
123			<i>lunata</i> <i>Say</i> [no description: doubtful].	
Trochidæ.				
124			Ampullaria Hopetonensis <i>Lea</i> , e. 1.	Georgia.
124			<i>rotundata</i> <i>Say</i> , e. 1.	Florida.
124			<i>paludosa et depressa</i> <i>Say</i> , e. 1.	Florida.
124			<i>Ampullaria penesma</i> <i>Say</i> , MSS.	
			<i>disseminata</i> <i>Say</i> , MSS.	
125	xxxvi	360	Janthina fragilis <i>Brugiere</i> .	
125	vi	124 a, b	Scalardia subulata <i>Couth</i> .	
			<i>S. Granlandica</i> <i>Gould</i> .	
			<i>Turbo clathrus-Granlandicus</i> <i>Chemnitz</i> .	
126	vi	125	<i>lineata</i> <i>Say</i> .	
126			<i>multistriata</i> <i>Say</i> .	
127	vi	126	Novangliæ <i>Couth</i> ., e. 1.	
127			<i>clathrus</i> <i>Linn.</i> , e. 1.	Southern coast.
127			<i>turbinata</i> <i>Conrad</i> , e. 1.	North Carolina.
127	vii	143	Tornatella puncto-striata <i>Adams</i> .	
128			Pirena scalariformis <i>Say</i> , e. 1.	Florida Keys.
Cerithidæ.				
128	viii	167	Cerithium Sayii <i>Gould</i> .	
			<i>Pasithea nigra</i> <i>Totten</i> .	
			<i>Cerithium reticulatum</i> <i>Totten</i> .	
129			<i>ferrugineum</i> <i>Say</i> , e. 1.	Florida.
129	viii	163	<i>Emersonii</i> <i>Adams</i> , e. 1.	Nantucket.
129			<i>septemstriatum</i> <i>Say</i> , e. 1.	Florida.
129			<i>nigrocinctum</i> <i>Adams</i> , e. 1.	Massachusetts.
130	viii	172	<i>terebræle</i> <i>Adams</i> , e. 1.	Massachusetts.
130			<i>Greeni</i> <i>Adams</i> , e. 1.	Massachusetts.
130			<i>muscarum</i> <i>Say</i> , e. 1.	Florida.
Purpuridæ.				
130	vii	161	Buccinum undatum <i>Linn.</i>	

Page.	Plate.	Fig.	Name.	Locality.
131	vii	132*	Buccinum lunatum Say. <i>Nassa lunata</i> Say.	
132	vii	162	Wheatleyi De Kay.	
132	viii	165	trivittatum Say. <i>Nassa trivittata</i> Say.	
133	viii	163-64	obsoletum Say. <i>Nassa obsoleta</i> Say. <i>B. Novboracensis</i> Wood. <i>oliverformis</i> Kiener.	
133			vibex Say. <i>Nassa vibex</i> Say.	
134			Donovani Gould, e. 1.	
134			ciliatum Gould, e. 1.	
134			rosaceum Gould, e. 1.	
134			acutum Say, e. 1.	Southern coast.
134			unicinctum Say, e. 1.	South Carolina.
134			ornatum Say, e. 1.	Southern coast.
134			album Say, e. 1.	Florida.
135	viii	175	Purpura lapillus Linn. <i>Buccinum lapillus</i> Linn.	
136	viii	173	imbricata Lam. <i>P. lapillus</i> (var.) Russel.	
136	viii	174	bizonalis Lam. <i>P. lapillus</i> (var.) Gould	
136			Floridana Conrad, e. 1.	Florida, Ala.
137	viii	178 a, b	Trichotropis borealis Sowerby. <i>T. costellatus</i> Couch.	
138	vii	160	Cancellaria Couthouyi Jay. <i>C. buccinoides</i> Couch.	
139	viii	176 a, b	Ranella caudata Say.	
139	viii	179	Columbella avara Say.	
140	ix	190	Pyrula canaliculata Linn. <i>Murex canaliculatus</i> Linn.	
141	ix	192-93	carica Linn. <i>Murex carica</i> Linn.	
142	viii	180-81	spirata Lam. <i>Fulgur pyruloides</i> Say.	
142			papyratia Say, e. 1.	Southern coast.
143	viii	182	Fusus scalariformis Gould? <i>F. borealis</i> De Kay.	
144	viii	185	Islandicus Linn. <i>Murex Islandicus</i> Linn <i>F. corneus</i> Say. <i>Islandicus</i> var. <i>pygmaeus</i> Gould.	
144	viii	183	ventricosus Gray.	

Page.	Plate.	Fig.	Name.	Locality.
145	viii	184 a, b	Fusus cinereus Say. <i>Buccinum plicosum</i> Gould.	
145	ix	186	decemcostatus Say. <i>F. carinatus</i> Lam.?	
146	ix	187	harpularius Couth.	
145	ix	189	rufus Montagu. <i>Murex rufus</i> Montagu. <i>F. pleurotomarius</i> Couth.	
147	ix	188	imbricatus De Kay.	
147	ix	191	pyruloides De Kay.	
148			tornatus Gould. <i>Murex despectus</i> Linn.	
148	xxxvi	339	bamfius Montagu. <i>Murex bamfius</i> Montagu.	
148			bicolor Say, e. 1.	Florida.
149			muricatus Gould, e. 1.	Northern coast.
149	xxxvi	340	turriculus Gould, e. 1.	
149	vi	113	Pleurotoma bicarinata Couth.	
150	xxxvi	344	decussata Couth.	
150	vi	120	plicata Adams.	
151	viii	177	Rostellaria occidentalis Guérin, e. 1.	Maine.
Conidae.				
151			Conus mus Lam., e. 1.	Florida Keys.
151			leucostrictus Gmelin, e. 1.	
Mitriadae.				
152	vii	158	Terebra dislocata Say, e. 1. <i>Cerithium dislocatum</i> Say. <i>T. Petitii</i> Kiener.	Md. & S'm coast.
152	vii	157	Oliva literata Lam., e. 1. <i>O. mutica</i> Say.	Southern coast.
152	vii	159	Marginella carnea Storer, e. 1.	Key West.
Cryptostomidae.				
153	vii	156 a, b	Sigaretus perspectivus Say.	
153			haliotoideus Gould, e. 1. <i>S. oxineæ</i> Couth.	Massachusetts.
153			maculatus Say, e. 1.	Southern coast.
154	xxiii	254	Velutina lævigata 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	Velutina zonata Gould. <i>Galericulum ovatum</i> Couth.?	
SCUTIBRANCHIA.				
Calyptriadae.				
155	vii	155 a, b	Calyptrea striata Say.	
156	ix	195	Cemoria Noachina Linn. <i>Patella Noachina</i> Linn. <i>C. Flemingii</i> Leach. <i>Rimula Noachina</i> Couth.	
156			alternata Say? e. l. <i>Fissurella alternata</i> Say.	Coast of U. S.
157	vii	152-4	Crepidula fornicata Linn. <i>Patella fornicata</i> Linn.	
158	vii	153 a, b	plana Say. <i>C. unguiformis</i> Lam.?	
158	vii	131	convexa Say.	
159			glauca Say.	
159			depressa Say, e. l.	Southern coast.
159			intorta Say? e. l.	Southern coast.
CIRROBRANCHIA.				
Dentalidae.				
160	x	197	Dentalium dentalis Linn.	
161			attenuatum Say, e. l.	Maryland.
CYCLOBRANCHIA.				
Patellidae.				
161			Patella candida Couth.	
162	ix	196	Patelloidea testudinalis Müller. <i>Patella amœna</i> Say. <i>testudinalis</i> Lea. <i>Lottia testudinalis</i> Gould.	
162	ix	194	alveus Conrad. <i>Patella alveus</i> Conrad. <i>Lottia alveus</i> Gould.	
Chitonidae.				
163	x	200	Chiton albus Montagu. <i>C. sagrinatus</i> Couth. <i>aselloides</i> Lowe.	
164	x	201-2	apiculatus Say. <i>C. pectinatus</i> Gould.	
164			marginatus Pennant, e. l.	Massachusetts.

Page.	Plate.	Fig.	Name.	Locality.
165	x	199	Chiton fulminatus <i>Couth.</i> , e. 1.	Massachusetts.
165			ruber <i>Lowe</i> , e. 1.	Massachusetts.
165	x	198	Emersonii <i>Couth.</i> , e. 1.	Mass. bay.

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

167	xxxiv	321	Terebratula caputserpentis <i>Lin.</i> , e. 1.	Me. & Mass.
			<i>T. septentrionalis</i> <i>Couth.</i>	
167	xxxiv	322	psittacea <i>Gmelin</i> , e. 1.	Massachusetts.
			thalassina <i>Gould</i> , e. 1. [no description].	

LAMELLIBRANCHIA.**Ostracidæ.**

168	xii	209	Anomia ehippium <i>Linn.</i>	
			<i>A. patellaris</i> <i>Lam.</i>	
168	xii	210	aculeata <i>Gmelin</i> .	
168			electrica , e. 1. [not described].	Massachusetts.
168			squamula , e. 1. [not described].	Massachusetts.
169	x	203-4	Ostrea borealis <i>Lam.</i>	
			<i>O. virginica</i> <i>Lam.</i>	
			<i>Canadensis</i> <i>Lam.</i>	
171			semicylindrica <i>Say</i> , e. 1.	Ga. & Florida.
171			equestris <i>Say</i> .	S. C. & Florida.

Pectinidæ.

172	xi	205	Pecten concentricus <i>Say</i> .	
			<i>P. lineolaris</i> <i>Lam.</i> ?	
173	xi	206	Islandicus <i>Müller</i> .	
			<i>Ostrea Islandica</i> <i>Müller</i> .	
			<i>P. Pealeii</i> <i>Conrad</i> .	
173	xi	207 A, B	Magellanicus <i>Gmelin</i> .	
			<i>Ostrea Magellanica</i> <i>Gmelin</i> .	
174			purpuratus <i>Lam.</i> , e. 1.	Southern coast.
			<i>P. dislocatus</i> <i>Say</i> .	
174			ornatus <i>Lam.</i> , e. 1.	Florida.
174			nodosus <i>Lam.</i> , e. 1.	Florida.
174			varius <i>Turton</i> , e. 1.	Northern coast.
174			Plicatula ramosa <i>Lam.</i> , e. 1.	
175			Lima squamosa <i>Lam.</i> , e. 1.	Florida.
175	xi	208	glacialis <i>Lam.</i> , e. 1.	Florida.

Aviculidæ.

175			Avicula Atlantica <i>Lam.</i> , e. 1.	Southern coast.
			<i>A. hirundo</i> <i>Say</i> .	

Arcadae.

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

Mytilidæ.

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

Page.	Plate.	Fig.	Name.	Locality.
186	xxii	248	Crenella decussata <i>Laskey & Montagu.</i> <i>Mytilus decussatus</i> Laskey & Montagu. <i>Modiola glandula</i> Totten.	
187			Pinna seminuda Lam., e. 1.	Southern coast.
187			<i>muricata</i> Lam., e. 1.	Southern coast.
Unionidæ.				
188	xxii	246	Unio complanatus <i>Solander.</i> <i>Mya complanata</i> Solander. <i>U. purpureus</i> Say.	
189			Boydianus <i>Lea.</i>	
189	xviii	236	radiatus <i>Gmelin.</i> <i>Mya radiata</i> Gmelin.	
190			ventricosus <i>Barnes.</i> <i>U. occidentis</i> Lea?	
190	xx	241	luteolus <i>Lam.</i> <i>U. siliquoides</i> Barnes. <i>inflatus</i> Barnes.	
191	xxi	245	compressus <i>Lea.</i> <i>Symphynota compressa</i> Lea.	
191	xx	239	nasutus <i>Say.</i> <i>U. rostratus</i> Valenciennes.	
192	xxxix	355-6; xl 357	Unio rosaceus <i>De Kay.</i>	
193	xix	237-38	Unio ochraceus <i>Say.</i> <i>Symphynota ochracea</i> Lea.	
193	xxi	243-44	cariosus <i>Say.</i> <i>U. ovata</i> Valenciennes.	
194	xx	240	Novi-eboraci <i>Lea.</i>	
194	xx	242	Tappanianus <i>Lea.</i>	
195			alatus <i>Say.</i>	
195			rectus <i>Lea.</i> <i>U. pralongus</i> Barnes.	
196	xiv	226	Alasmodonta rugosa <i>Barnes.</i> <i>Margaritana rugosa</i> Lea.	
196	xiv	225	marginata <i>Say.</i> <i>Monodonta marginata</i> Say. <i>Margaritana marginata</i> Lea.	
197	xiv	224	arcuata <i>Barnes.</i> <i>Margaritana margaritifera</i> Lea.	
198	xv	227	undulata <i>Say.</i> <i>Margaritana undulata</i> Lea.	
198	xxiv	259	corrugata <i>De Kay.</i>	
199	xv	228	Anodon unadilla <i>De Kay.</i>	
200	xvi	229	subcylindracea <i>Lea.</i>	
200	xvi	230	Ferussaciana <i>Lea.</i>	

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

Page.	Plate.	Fig.	Name.	Locality.
211	xxiii	255	Donax fossor Say.	
212			<i>variabilis</i> Say, e. 1.	Ga. & Florida.
212			<i>elevata</i> Hald., e. 1.	New Orleans.
212	xxv	260	Capsa lævigata Conrad, e. 1.	Florida.
212			<i>deflorata</i> Conrad, e. 1.	Florida.
212	xxxii	304	Sanguinolaria fusca Say.	
			<i>Psammobia fusca</i> Say.	
213	xxxii	305	<i>sordida</i> Couth.	
			<i>Tellina sordida</i> Couth.	
213			<i>lusoria</i> Say, e. 1.	N. J. to Florida.
			<i>Psammobia lusoria</i> Say.	
213			<i>rugosa</i> Lam., e. 1.	Florida.
214	xxvi	273	Lucina divaricata Linn.	
			<i>Tellina divaricata</i> Linn.	
			<i>Strigilla divaricata</i> Turton.	
214	xxvi	274	<i>radula</i> Montagu, e. 1.	Northern coast.
214	xxvii	275	<i>contracta</i> Say, e. 1.	Rhode Island.
214			<i>flexuosa</i> Montagu, e. 1.	Northern coast.
Veneridæ.				
215	xxvi	268-69	Cyprina Islandica Linn.	
			<i>Venus Islandica</i> Linn.	
216	xxvii	279	Cytherea convexa Say.	
			<i>oculta</i> Say, e. 1.	Southern States.
216			<i>concentrica</i> Lam., e. 1.	Va. to Florida.
216			<i>gigantea</i> Lam., e. 1.	Southern States.
217	xxvii	276	Venus mercenaria 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. 1.	N. J. & Maryland.
219			<i>elevata</i> Say, e. 1.	Southern Coast.
219			<i>Mortoni</i> Conrad, e. 1.	Coast of N. & S. C.
220			<i>fluctuosa</i> Gould, e. 1.	
220	xxviii	280	Astarte castanea 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. 1.	Grand Banks.
221			? <i>quadrans</i> Gould, e. 1.	Massachusetts.

Cycladae.

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

Saxicavidae.

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

Mactridae.

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

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

Page.	Plate.	Fig.	Name.	Locality.
246			Panopæa arctica Lam., e. l.	Grand Banks.
246	xxxiii	308	Glycimeris siliqua Lam., e. l.	Grand Banks.

Pholidæ.

247	xxxii	306	Pholas crispata Linn.	
248	xxxiv	223	truncata Say.	
248			costata Linn., e. l.	Massachusetts.
248			cuneiformis Say, e. l.	Southern coast.
248			oblongata Say, e. l.	Car., Ga., Fla.

Teredinidæ.

249	xxxiv	325	Teredo navalis Linn.	
-----	-------	-----	-----------------------------	--

TUNICATA.

259			Ascidea Manhattensis De Kay.	
259			rustica Lam., e. l.	Northern coast.
259			plicata Lesueur, e. l.	Philadelphia.
259			ovalis Lesueur, e. l.	Philadelphia.
259			lobifera Lesueur, e. l.	Florida.
259			proboscidea Lesueur, e. l.	Florida.
259			intestinalis [no description].	Northern coast.
259			microcosmus [no description].	Nor. coast.
260	xxxiv	324	Boltenia reniformis 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	Unio Æsopus Green.	40	Unio circulus Lea.
40	alatus Say.	40	cælatus Conr.
40	amœnus Lea.	40	clavus Lam.
40	anodontoides Lea.	40	Conradicus Lea.
40	arcæformis Lea.	40	Cooperianus Lea.
40	argenteus Lea.	40	cornutus Barnes.
40	asperimus Lea.	40	crassidens Lam.
40	Barnesianus Lea.	40	crassus Say.
40	biangulatus Lea.	40	creperus Lea.
40	Bigbyensis Lea.	40	Cumberlandicus Lea.
40	brevidens Lea.	40	cuneolus Lea.
40	capsæformis Lea.	40	cylindricus Say.

Page.		Page.	
40	<i>Unio dactylus</i> <i>Lea.</i>	41	<i>Unio pectorosus</i> <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>Tennesseeensis</i> <i>Lea.</i>
41	<i>Menkeianus</i> <i>Lea.</i>	41	<i>triangularis</i> <i>Barnes.</i>
41	<i>mæstus</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	<i>Margaritana complanata</i>
41	<i>ochraceus</i> <i>Say?</i>		<i>Lea.</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>subcylindracea</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>terebialis</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 heterostrophra</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>can-</i> <i>pestris</i>).
95	<i>thyroides</i> Say.	96	<i>Anodonta Ferussaciana</i> Lea.
95	<i>zaleta</i> Say.	96	<i>Cyclas similis</i> Say.
95	Limax — ?	96	<i>Alasmodonta edentula</i> Say.
95	<i>Planorbis bicarinatus</i> Say.	96	<i>calceola</i> Lea.
95	<i>parvus</i> Say.		
95	<i>trivolvus</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. (Conn. to Georgia.)
273	<i>Pholas crispata</i> Linn.	274	<i>Solemya borealis</i> Totten.
273	<i>cuneiformis</i> Say.	274	<i>velum</i> Say.
273	<i>truncata</i> Say.	274	<i>Mesodesma arctata</i> Gould. <i>Mactra arctata</i> Conr.
274	<i>Solen ensis</i> Linn.	274	<i>Montacuta bidentata</i> Mont.
274	<i>viridis</i> Say.	275	<i>Amphidesma æquale</i> Say.
274	<i>Solecurtus Caribæus</i> Lam.	275	<i>Kellia rubra</i> Turton.
274	(<i>Machæra</i>) <i>costatus</i> Gould.	275	<i>Corbula contracta</i> Say.
274	<i>fragilis</i> Conr.	275	<i>Pandora trilineata</i> Say.
274	<i>Mya arenaria</i> Linn. (<i>mercenaria</i> Say.)	275	<i>Saxicava distorta</i> Say.
274	<i>subtruncata</i> Linsley.	275	<i>Petricola dactylus</i> . <i>pholadiformis</i> Lam.
274	<i>Anatina papyracea</i> Say.	275	<i>Sanguinolaria fusca</i> Conr.
274	<i>Thracia truncata</i> Mighels.	275	<i>sordida</i> Couth.
274	<i>Osteodesma hyalina</i> Conr.	275	<i>Tellina Balthica</i> Linn. <i>Sanguinolaria fusca</i> .
274	<i>Cochlodesma Leana</i> Conr.	275	<i>solidula</i> Soland.
274	<i>Cumingia tellinoides</i> Conr.	275	<i>tenera</i> Say.
274	<i>Mactra similis</i> Say.	275	<i>tenta</i> Say.
274	<i>solidissima</i> Chemn. <i>M. gigantea</i> Lam.		

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

- | Page. | | Page. | |
|-------|---------------------------------|-------|----------------------------------|
| 279 | Limax campestris Binney. | 281 | Cyolostoma lapidaria Say. |
| 279 | <i>marmorata</i> De Kay. | 281 | Planorbis armigerus Say. |
| 279 | <i>tunicata</i> Gould. | 281 | <i>bicarinatus</i> Say. |
| | <i>L. agrestis</i> Linn. | 281 | <i>campanulatus</i> Say. |
| 279 | Helix albilabris 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>trivolis</i> Say. |
| 280 | <i>hirsuta</i> Say. | 282 | Physa aurea 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 | Trumbulli Linsley. | 282 | Sayi Tappan = |
| | (With a description.) | | <i>ancillaria</i> var. |
| | <i>Margarita arctica</i> ? Eds. | 282 | Lymnæa caperata 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 | upa contracta Say. | 282 | <i>Linsleyi</i> De Kay. |
| 280 | <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>Cyolostoma marginata</i> S. | 283 | Valvata pupoidea Gould. |
| 281 | Gouldii Binney. | 283 | <i>tricarinata</i> Say. |
| 281 | <i>millium</i> Gould. | 283 | <i>unicarinata</i> De Kay. |
| 281 | <i>modesta</i> Say. | 283 | Paludina decisa Say. |
| 281 | <i>ovata</i> Say. | 283 | <i>integra</i> Say. |
| 281 | <i>simplex</i> Gould. | | <i>P. microstoma</i> Kirtland. |
| 281 | Bulinus lubricus Brug. | 283 | <i>lustrica</i> ? Say. |
| 281 | Succinea avara Say. | | <i>Ammicola</i> Gould. |
| 281 | <i>campestris</i> Say. | 283 | Ammicola Cincinnatiensis |
| 281 | <i>ovalis</i> Say. | 283 | <i>grana</i> Say. [Anthony. |
| 281 | Auricula bidentata 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> De Kay.	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>palliatâ</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 Lye. Nat. Hist. N. Y., Corr. Memb. Nat. Inst. Washington, Troy Lye. 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>Solecortus 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 tellinoides</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 arctata</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	<i>Amphidesma transversa</i> Say.	Georgia.
4	77	<i>Corbula contracta</i> Say.	New Bedford.
4	78	<i>Pandora trilineata</i> Say.	Staten Island.
4	79	<i>Saxacava rugosa</i> Lam.	Massachusetts bay.
4	80	<i>distorta</i> Say.	Massachusetts bay.
4	81	<i>rhomboides</i> Desh.	Massachusetts bay.
4	82	<i>Petricola pholadiformis</i> Lam.	Staten Island.
4	83	<i>dactylus</i> Say.	New Bedford.
4	84	<i>Sanguinolaria fusca</i> 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	<i>Tellina alternata</i> 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	<i>Lucina divaricata</i> 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	<i>Donax variabilis</i> Say.	Georgia.
5	106	<i>fossor</i> Say.	Long Island.
5	107	<i>Capsa lævigata</i> Lam.	Florida.
5	108	<i>Astarte castanea</i> 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	<i>Portlandica</i> Mighels.	Coast of Maine.
5	114	<i>Cyclas similis</i> 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	<i>Cyclas elegans</i> Adams.	Vermont.
5	122	<i>nitida</i> Mighels.	Maine?
5	123	<i>minor</i> Adams.	Maine?
5	124	<i>atilis</i> Anthony.	Ohio.
6	125	<i>Cyrena Carolinensis</i> Say.	South Carolina.
6	126	<i>Cyprina Islandica</i> Lam.	Rhode Island.
6	127	<i>Cytherea concentrica</i> Lam.	Virginia.
6	128	<i>gigantea</i> Lam.	Florida.
6	129	<i>florida</i> Lam.	Florida.
6	130	<i>occulta</i> Say.	Southern States.
6	131	<i>conveza</i> Say.	New York.
6	132	<i>Venus elevata</i> Say.	South Carolina.
6	133	<i>exalbida</i> Chemn.	Apalachicola bay.
6	134	<i>fluctuosa</i> Gould.	Massachusetts bay.
6	135	<i>gemma</i> Totten.	Long Island.
6	136	<i>inequalis</i> Say.	Virginia.
6	137	<i>Mortoni</i> Conrad.	Virginia.
6	138	<i>mercenaria</i> Linn.	New York.
6	139	<i>notata</i> Say.	New York.
6	140	<i>præparca</i> Say.	Cape Cod.
6	141	<i>Cardium fasciatum</i> Mont.	South Carolina.
6	142	<i>Grœnlandicum</i> Gmelin.	Maine.
6	143	<i>Islandicum</i> Gmelin.	Maine.
6	144	<i>Mortoni</i> Conrad.	Rhode Island.
6	145	<i>pinnulatum</i> Conrad.	Massachusetts bay.
6	146	<i>muricatum</i> Linn.	South Carolina.
6	147	<i>ventricosum</i> Brug.	South Carolina.
6	148	<i>Cardita borealis</i> Conrad.	Massachusetts bay.
6	149	<i>incrassata</i> Sowerby.	Florida.
6	150	<i>tridentata</i> Say.	South Carolina.
6	151	<i>Arca ponderosa</i> Say.	Florida.
6	152	<i>pexata</i> Say.	New York.
6	153	<i>incongrua</i> Say.	Georgia.
6	154	<i>transversa</i> Say.	New York.
7	155	<i>zebra</i> Say.	Florida.
7	156	<i>Nucula Jacksonii</i> Gould.	Maine.
7	157	<i>limatula</i> Say.	New York bay.
7	158	<i>minuta</i> Gould.	Nahant.
7	159	<i>myalis</i> Couth.	Massachusetts bay.
7	160	<i>navicularis</i> Couth.	Plymouth, Mass.
7	161	<i>proxima</i> Say.	New Bedford.
7	162	<i>sapotilla</i> Gould.	Cape Cod.
7	163	<i>tenuis</i> Gould.	Massachusetts bay.
7	164	<i>thraciæformis</i> Storer.	Stomach of fish.
7	165	<i>delphinodonta</i> Mighels.	Maine.

Page	No.	Name.	Locality.
7	166	Nucula Cascoensis <i>Mighels.</i>	Maine.
7	167	Unio abruptus <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	Unio complanatus <i>Lam.</i>	Maine to Florida.
8	212	Congaræus <i>Lea.</i>	Congaree river, S. C.
8	213	confertus <i>Lea.</i>	South Carolina.
8	214	Conradicus <i>Lea.</i>	Western rivers.
8	215	cornutus <i>Barnes.</i>	Ohio.
8	216	cor <i>Conrad.</i>	Alabama.
8	217	crassidens <i>Lam.</i>	Western rivers.
8	218	crocatus <i>Lea.</i>	Savannah river.
8	219	crassus <i>Say.</i>	Western rivers.
8	220	creperus <i>Lea.</i>	Tennessee.
8	221	cuprinus <i>Lea.</i>	Tennessee.
8	222	Cumberlandicus <i>Lea.</i>	Cumberland riv., Ten.
8	223	cuneolus <i>Lea.</i>	Tennessee.
9	224	cylindricus <i>Say.</i>	Western rivers.
9	225	dactylus <i>Lea.</i>	Tennessee.
9	226	decisus <i>Lea.</i>	Alabama.
9	227	declivis <i>Say.</i>	Alabama.
9	228	dehiscens <i>Say.</i>	Ohio.
9	229	dolabelloides <i>Lea.</i>	Tennessee.
9	230	dolabræformis <i>Lea.</i>	Georgia.
9	231	Dorfeullianus <i>Lea.</i>	Ohio.
9	232	dromas <i>Lea.</i>	Tennessee and Ala.
9	233	Duttonianus <i>Lea.</i>	Savannah river.
9	234	Æsopus <i>Green.</i>	Western rivers.
9	235	elegans <i>Lea.</i>	Ohio river.
9	236	ellipsis <i>Lea.</i>	Ohio river.
9	237	exiguus <i>Lea.</i>	Georgia.
9	238	Edgarianus <i>Lea.</i>	Tennessee.
9	239	ellipsiformis <i>Conrad.</i>	Michigan.
9	240	ebenus <i>Lea.</i>	Ohio.
9	241	fabilis <i>Lea.</i>	Ohio.
9	242	Fisherianus <i>Lea.</i>	Maryland.
9	243	foliatus <i>Hild.</i>	Ohio.
9	244	fortuus <i>Lea.</i>	Tennessee.
9	245	folliculatus <i>Lea.</i>	Savannah river.
9	246	fragosus <i>Conrad.</i>	Scioto river Ohio.
9	247	furvus <i>Conrad.</i>	Alabama.
9	248	fuscatus <i>Lea.</i>	Black creek, Florida.
9	249	fulvus <i>Lea.</i>	South Carolina.
9	250	Geddingianus <i>Lea.</i>	South Carolina.
9	251	Georgianus <i>Lea.</i>	Georgia.
9	252	gibber <i>Lea.</i>	Carry Fork river, Tenn.
9	253	gibbosus <i>Barnes.</i>	Western rivers.
9	254	glaber <i>Lea.</i>	Tennessee.
9	255	globosus <i>Lea.</i>	Western rivers.

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

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

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

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

Page.	No.	Name.	Locality.
15	436	<i>Anodonta plana</i> <i>Lea.</i>	Ohio.
15	437	<i>salmonia</i> <i>Lea.</i>	Ohio.
15	438	<i>Stewartiana</i> <i>Lea.</i>	Western rivers.
15	439	<i>subvexa</i> <i>Conrad.</i>	Alabama.
15	440	<i>suborbiculata</i> <i>Say.</i>	Illinois.
15	441	<i>subcylindræa</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	<i>Wahlamatensis</i> <i>Lea.</i>	Oregon.
15	445	<i>Wardiana</i> <i>Lea.</i>	Ohio.
15	446	<i>Buchanensis</i> <i>Lea.</i>	Buck creek, Ohio.
15	447	<i>angulata</i> <i>Lea.</i>	Lewis river.
15	448	<i>Chama arcinella</i> <i>Linn.</i>	Florida.
15	449	<i>Lazarus</i> <i>Lam.</i>	Key West, Fla.
15	450	<i>Modiola Americana</i> <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>nexa</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	<i>Mytilus cubitus</i> <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	<i>Pinna seminuda</i> <i>Lam.</i>	South Carolina.
16	468	<i>muricata</i> <i>Linn.</i>	St. Simou's island, Ga.
16	469	<i>rudis</i> <i>Lam.</i>	South Carolina.
16	470	<i>Avicula Atlantica</i> <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	<i>Pecten concentricus</i> <i>Say.</i>	New York.
16	474	<i>Islandicus</i> <i>Chem.</i>	Massachusetts bay.
16	475	<i>Magellanicus</i> <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	<i>Plicatula rimosa</i> <i>Lam.</i>	Florida.

Page.	No.	Name.	Locality.
16	481	<i>Ostrea borealis</i> 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	<i>Anomia ephippium</i> 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	<i>Terebratula psittacea</i> Lam.	Coast of Maine.
16	493	<i>caput serpentis</i> Gould.	Massachusetts bay.
16	494	<i>thalasina</i> Gould.	Massachusetts bay.
17	495	<i>Chiton albus</i> 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	<i>Patella candida</i> Couth.	Massachusetts bay.
17	504	<i>Oregana</i> Nuttall.	Columbia river.
17	505	<i>Patelloida testudinalis</i> Couth.	Massachusetts bay.
17	506	<i>alveus</i> Conrad.	Massachusetts bay.
17	507	<i>Siphonaria alternata</i> Say.	Florida.
17	508	<i>Cemoria Noachina</i> Lam.	Massachusetts bay.
17	509	<i>princeps</i> Mighels.	Maine.
17	510	<i>Calyptroea striata</i> Say.	New Jersey.
17	511	<i>Crepidula fornicata</i> Lam.	New York bay.
17	512	<i>unguiformis</i> Lam.	New York bay.
17	513	<i>intorta</i> Say.	Southern States.
17	514	<i>convexa</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	<i>Ancylus rivularis</i> 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	Ancylus depressus <i>Hald.</i>	Holstein river, Va.
18	527	<i>obscurus</i> <i>Hald.</i>	Nolachucky riv., Tenn.
18	528	Bullina canaliculata <i>Say.</i>	St. Simon's island, Ga.
18	529	Bulla debilis <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	Vitrina pellucida <i>Drap.</i>	Iowa Territory.
18	539	Helix albolabris <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	Helix immitissima <i>Lea.</i>	Cincinnati.
19	572	irrorata <i>Say.</i>	Pennsylvania.
19	573	labyrinthica <i>Say.</i>	Massachusetts.
19	574	ligera <i>Say.</i>	Ohio.
19	575	lineata <i>Say.</i>	Ohio & Mass.
19	576	incubrata <i>Say.</i>	Alabama.
19	577	Mobiliana <i>Lea.</i>	Mobile.
19	578	monodon <i>Binney.</i>	Western States.
19	579	minuta <i>Say.</i>	Mass. to Missouri.
19	580	multilineata <i>Say.</i>	Southwestern States.
19	581	Michelliana <i>Lea.</i>	Ohio.
19	582	Nuttalliana <i>Lea.</i>	Oregon.
19	583	obstricta <i>Say.</i>	Ohio.
19	584	pallida <i>Say.</i>	Ohio.
19	585	Pennsylvanica <i>Green.</i>	Pennsylvania.
19	586	perspectiva <i>Say.</i>	New York & Ohio.
19	587	porcina <i>Say.</i>	Iowa.
19	588	profunda <i>Say.</i>	Ohio.
19	589	plicata <i>Say.</i>	Alabama.
19	590	septemvolva <i>Ferussac.</i>	Georgia.
19	591	solitaria <i>Say.</i>	Ohio.
20	592	subplana <i>Binney.</i>	Tennessee.
20	593	suppressa <i>Say.</i>	Ohio.
20	594	thyroidus <i>Say.</i>	Eastern States.
20	595	Townsendiana <i>Lea.</i>	Oregon.
20	596	tridentata <i>Say.</i>	Mass. to Missouri.
20	597	Troostiana <i>Lea.</i>	Tennessee.
20	598	tenuistriata <i>Lea.</i>	Cincinnati.
20	599	Tennesseensis <i>Lea.</i>	Tennessee.
20	600	Wardiana <i>Lea.</i>	Ohio.
20	601	Vancouverensis <i>Lea.</i>	Oregon.
20	602	zaleta <i>Say.</i>	Western States.
20	603	Carocolla Edgarina <i>Lea.</i>	Tennessee.
20	604	Cumberlandicus <i>Lea.</i>	Tennessee.
20	605	spinosa <i>Lea.</i>	Alabama.
20	606	Helicina orbiculata <i>Say.</i>	Ohio & Florida.
20	607	occulta <i>Say.</i>	Indiana.
20	608	Pupa armifera <i>Say.</i>	Western States.
20	609	badia <i>Adams.</i>	Crown Point, N. Y.
20	610	carinata <i>Gould.</i>	Maryland.
20	611	contracta <i>Say.</i>	Virginia.
20	612	corticaria <i>Say.</i>	Ohio.
20	613	curvidens <i>Gould.</i>	Massachusetts.
20	614	exigua <i>Say.</i>	Pennsylvania.
20	615	fallax <i>Say.</i>	Massachusetts.

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

Page.	No.	Name.	Locality.
22	661	Planorbis glabratus <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	Physa ancillaria <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	Lymnœa acuta <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	Lymncea emarginata Say.	Maine.
23	707	exigua Lea.	Tennessee.
23	708	expansa Hald.	Vermont.
23	709	exilis Lea.	Ohio.
23	710	fusiformis Lea.	Niagara.
23	711	Griffithiana Lea.	Lake Champlain.
23	712	gracilis Jay.	Lake Champlain.
23	713	humilis Say.	South Carolina.
23	714	jugularis Say.	Lake Champlain.
23	715	Kirtlandianus Lea.	Ohio.
23	716	macrostoma Say.	Western States.
23	717	megasoma Say.	Iowa & Vermont.
23	718	modicella Say.	Oswego.
23	719	Nuttalliana Lea.	Oregon.
23	720	obrussa Say.	Pennsylvania.
23	721	pallida Adams.	Vermont.
23	722	parva Lea.	Ohio.
23	723	Philadelphica Lea.	Schuykill.
23	724	platyostoma Hald.	Vermont.
23	725	planulata Lea.	Virginia.
23	726	plica Lea.	Tennessee.
23	727	reflexa Say.	Ohio.
24	728	rustica Lea.	Ohio.
24	729	strigosa Lea.	Ohio.
24	730	solida Lea.	Oregon.
24	731	umbrosa Say.	Ohio.
24	732	umbilicata Adams.	New Bedford.
24	733	pinguis Say.	Schuykill.
24	734	Melania acuta Lea.	Tennessee.
24	735	alveare Conrad.	Alabama.
24	736	annulifera Conrad.	Alabama.
24	737	armigera Say.	Kentucky.
24	738	altilis Lea.	Susquehanna.
24	739	acuto-carinata Lea.	Tennessee.
24	740	bitænata Conrad.	Alabama.
24	741	blanda Lea.	Tennessee.
24	742	Babylonica Lea.	Ohio.
24	743	Boykineana Lea.	Georgia.
24	744	brevis Lea.	Alabama.
24	745	Buddii De Kay.	Erie canal.
24	746	canaliculata Say.	Ohio.
24	747	cancellata Say.	Florida.
24	748	carinata Rav.	North Carolina.
24	749	catenaria Say.	South Carolina.
24	750	calyginosa Lea.	Tennessee.

Page.	No.	Name.	Locality.
24	751	Melania catenoides <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	Cuneyana <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	Deshayesiana <i>Lea.</i>	Tennessee.
25	770	Duttoniana <i>Lea.</i>	Tennessee.
25	771	<i>dubisoa</i> <i>Lea.</i>	Tennessee.
25	772	<i>ebenum</i> <i>Lea.</i>	Tennessee.
25	773	Edgariana <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	Formanii <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	Haysiana <i>Lea.</i>	Tennessee.
25	789	Holstoniana <i>Lea.</i>	Tennessee.
25	790	Hildrethiana <i>Lea.</i>	Ohio.
25	791	Hydeii <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	<i>Melania Jayana</i> Lea.	Tennessee.
25	797	<i>Kirtlandiana</i> Lea.	Ohio.
25	798	<i>laqueata</i> Say.	Cumberland river.
26	799	<i>Lecontiana</i> Lea.	Georgia.
26	800	<i>lima</i> Conrad.	Alabama.
26	801	<i>læta</i> Jay.	Alabama.
26	802	<i>lævigata</i> Lea.	Clairborne.
26	803	<i>melanoides</i> Conrad.	Alabama.
26	804	<i>monozonalis</i> Lea.	Tennessee.
26	805	<i>multilineata</i> Say.	Ohio.
26	806	<i>multistriata</i> Lea.	Alabama.
26	807	<i>nasula</i> Conrad.	Alabama.
26	808	<i>nupera</i> Say.	Wabash.
26	809	<i>Nickliniana</i> Lea.	Virginia.
26	810	<i>Niagarensis</i> Lea.	Niagara.
26	811	<i>nitens</i> Lea.	Tennessee.
26	812	<i>nodulosa</i> Lea.	Tennessee.
26	813	<i>obovata</i> Say.	Ohio.
26	814	<i>obtusa</i> Lea.	Tennessee.
26	815	<i>Oconeensis</i> Lea.	Tennessee.
26	816	<i>occidentalis</i> Lea.	Cincinnati.
26	817	<i>olivula</i> Conrad.	Alabama.
26	818	<i>oliva</i> Lea.	Alabama.
26	819	<i>Ordiana</i> Lea.	Tennessee.
26	820	<i>oveliana</i> Lea.	Alabama.
26	821	<i>ovalis</i> Lea.	Alabama.
26	822	<i>perfusca</i> Lea.	Tennessee.
26	823	<i>plicifera</i> Lea.	Oregon.
26	824	<i>picta</i> Lea.	Tennessee.
26	825	<i>pilula</i> Lea.	Tennessee.
26	826	<i>Potosiensis</i> Lea.	Missouri.
26	827	<i>proxima</i> Say.	N. & S. Carolina.
26	828	<i>prasinata</i> Conrad.	Alabama.
26	829	<i>producta</i> Lea.	Tennessee.
26	830	<i>pyrinella</i> Conrad.	Alabama.
26	831	<i>regularis</i> Lea.	Tennessee.
26	832	<i>robusta</i> Lea.	Alabama.
26	833	<i>rufa</i> Lea.	Tennessee.
26	834	<i>salebrosa</i> Conrad.	Tennessee.
27	835	<i>Sayii</i> Ward.	Ohio.
27	836	<i>semicarinata</i> Say.	Ohio.
27	837	<i>simplex</i> Say.	Virginia.
27	838	<i>sordida</i> Lea.	Tennessee.
27	839	<i>strigosa</i> Lea.	Tennessee.
27	840	<i>stygia</i> Say.	Tennessee.

Page.	No.	Name.	Locality.
27	841	Melania striata <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	Taitiana <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	Troostiana <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	Vanuxemensis <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	Virginica <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	Wardiana <i>Lea.</i>	Virginia.
27	869	Anculosa angulata <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	Formanii <i>Lea.</i>	Alabama.
28	876	<i>gibbosa</i> <i>Lea.</i>	Tennessee.
28	877	Griffithiana <i>Lea.</i>	Alabama.
28	878	<i>integra</i> <i>Say.</i>	Alabama.
28	879	<i>isogona</i> <i>Say.</i>	Ohio.
28	880	Kirtlandiana <i>Anthony.</i>	Virginia.
28	881	monodontoides <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	Anculosa prærosa Say.	Ohio & Tennessee.
28	887	pumilis Conrad.	Black Warrior.
28	888	planulata Lea.	Alabama.
28	889	rubiginosa Lea.	Alabama.
28	890	solida Lea.	Alabama.
28	891	subglobosa Say.	Tennessee.
28	892	tæniata Conrad.	Alabama.
28	893	turgida Hald.	Alabama.
28	894	tuberculata Lea.	Alabama.
28	895	Troostiana Lea.	Tennessee.
28	896	variabilis Lea.	Roanoke.
28	897	Lythasia genicula Lea.	Alabama.
28	898	Schizostoma incisa Lea.	Alabama.
28	899	excisa Lea.	Alabama.
28	900	? <i>Lea</i> (new).	Alabama.
28	901	? <i>Lea</i> (new).	Alabama.
28	902	Io fusiformis Say.	Holstein river, Va.
29	903	spinosa Lea.	Holstein river, Va.
29	904	tenebrosa Lea.	Tennessee.
29	905	Pirena scalariformis Say.	Fresh water lakes and Florida Keys.
29	906	Valvata arenifera.	Schuylkill.
29	907	cinerea Say.	Western States.
29	908	buccata Lea.	Schuylkill.
29	909	humeralis.	
29	910	pupoidea Gould.	Massachusetts.
29	911	tricarinata Say.	Mass. to Missouri.
29	912	unicarinata De Kay.	Erie canal.
29	913	Paludina angulata Lea.	Alabama.
29	914	bimonilifera Lea.	Alabama.
29	915	Coosaensis Lea.	Coosa river, Ala.
29	916	canaliculata Gould.	Massachusetts.
29	917	cyclostomaformis Lea.	Alabama.
29	918	coarctata Lea.	Alabama.
29	919	decisa Say.	Ohio.
29	920	elongata Swains.	Florida.
29	921	Georgiana Lea.	Georgia.
29	922	grana Say.	Pennsylvania.
29	923	heterostropha Tappan.	Ohio.
29	924	hyalina Lea.	Ohio.
29	925	integra Say.	Ohio.
29	926	intertexta Say.	Louisiana.
29	927	incrassata Lea.	Alabama.
29	928	limosa Say.	Western States.
29	929	magnifica Lea.	Georgia.

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

Page.	No.	Name.	Locality.
31	975	Sigaretus maculatus <i>Say.</i>	Southern coast.
31	976	<i>perspectivus</i> <i>Say.</i>	New Jersey.
31	977	Velutina lævigata <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	Odostomia exigua <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	Tornatella punctostriata <i>Ad.</i>	New York bay.
31	987	Vermetus lumbricalis <i>Linn.</i>	Newport R. I.
31	988	Janthina communis <i>Lam.</i>	Nantucket.
31	989	<i>fragilis</i> <i>Brug.</i>	New Bedford.
31	990	Scalaria clathrus <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	Delphinula laxa <i>Say.</i>	South Carolina.
32	997	Skenea serpuloides <i>Adams.</i>	Boston bay.
32	998	Trochus occidentalis <i>Mighels.</i>	Maine.
32	999	Turbo canaliculata <i>Say.</i>	Southern States.
32	1000	Margarita arctica <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	Littorina rudis <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	Lacuna fusca <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	Cingula minuta <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	Pyramis striatula <i>Couth.</i>	Cape Ann.
32	1019	<i>fusca</i> <i>Adams.</i>	New Bedford.

Page.	No.	Name.	Locality.
33	1020	Turritella alternata 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	Cerithium ferrugineum Say.	Florida.
33	1030	<i>Greenii</i> Adams.	Dartmouth harbor.
33	1031	<i>Emersonii</i> 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	<i>Sayii</i> Menke.	New Bedford.
33	1037	?	New York bay.
33	1038	Pleurotoma bicarinata 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	Cancellaria Couthouyi Jay.	Massachusetts bay.
33	1043	Fasciolaria ligata Mighels.	Maine.
33	1044	Fusus Bamffius 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	Pyrula canaliculata 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	<i>Stillmanii</i> De Kay.	New York.
34	1064	Ranella candata Say.	New York bay.

Page.	No.	Name.	Locality.
34	1065	<i>Rostellaria occidentalis</i> Beck.	Stomach of fish.
34	1066	<i>Trichotropis borealis</i> Sowerby.	Massachusetts bay.
34	1067	<i>Strombus gigas</i> Linn.	Mobile bay.
34	1068	<i>pyrolatus</i> Lam.	Mobile bay.
34	1069	<i>pugilis</i> Linn.	Florida.
34	1070	<i>Purpura lapillus</i> Lam.	Massachusetts bay.
34	1071	var. <i>imbricata</i> Lam.	Massachusetts bay.
34	1072	var. <i>bizonalis</i> Lam.	Massachusetts bay.
34	1073	<i>Dolium perdix</i> Lam.	Southern coast.
34	1074	<i>olearium</i> Lam.	Southern coast.
34	1075	<i>Cassis flammea</i> Kiener.	North Carolina.
34	1076	<i>saburon</i> Brug.	North Carolina.
34	1077	<i>Buccinum acutum</i> 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	<i>Terebra Petitti</i> Kiener.	Georgia.
35	1091	<i>Columbella avara</i> Say.	Mass. to Georgia.
35	1092	<i>mercatoria</i> Say.	Florida.
35	1093	<i>Marginella carnea</i> Storer.	Florida.
35	1094	<i>flavida</i> Redfield.	Florida.
35	1095	<i>Oliva conoidalis</i> 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	<i>Conus leucostricus</i> 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	<i>Spirula Peronii</i> Lam.	Nantucket.

Goold.—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. Lye. Nat. Hist., vol. iv, No. 5, p. 163. 1846.)

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

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

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> 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>foliiculatus</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>Pyryla 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>pexata</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>Cvula acicularis</i> Lam.	xxi	<i>acuta</i> Conr.

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

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

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

Page.		Page.	
15	Unio Sayii Ward.	17	Unio verrucosus Barnes.
15	<i>securis</i> Lea.		<i>U. tuberculata</i> Raf.
	<i>U. depressa?</i> Raf.		<i>graniferus</i> Lea.
15	<i>siliquoideus</i> Barnes.	17	Alasmodonta ambigua Say.
	<i>U. inflatus</i> Barnes (fem.)		<i>Unio Hildrethianus</i> Lea.
15	<i>sulcatus</i> Lea (male).	17	<i>calceola</i> Lea.
	<i>U. ridibundus</i> Say (fem.)		<i>A. deltoidea?</i> Lea.
15	<i>triangularis</i> Barnes.		<i>Unio calceola</i> Lea.
	<i>U. cuneatus</i> Swains.	19	<i>confragosa</i> Say.
	<i>formosus</i> Lea (male).	19	<i>complanata</i> Barnes.
	<i>triqueter?</i> Raf.	19	<i>rugosa</i> Barnes.
15	<i>tuberculatus</i> Barnes.		<i>A. costata</i> Raf.
	<i>U. tuberculosus</i> Val.	19	<i>truncata</i> Say.
	<i>verrucosa</i> Raf.	19	Anodonta areolata Swains.
17	<i>undatus</i> Barnes.		<i>Alas. edentula</i> Say.
	<i>U. caridiacca</i> Say.	19	Ferussaciana Lea.
	<i>mytiloides</i> Raf.	19	<i>imbecilis</i> Say.
	<i>obliqua</i> Lam.		<i>A. incerta</i> Lea.
	<i>pyramidatus</i> Lea.	19	<i>pavonia</i> Lea.
17	<i>undulatus</i> Barnes.		<i>A. Wardiana</i> Lea.
	<i>U. heros</i> Say.	19	<i>plana</i> Lea.
	<i>multiplicatus</i> Lea.		<i>A. decora</i> Lea (young).
17	<i>ventricosus</i> Barnes.		<i>grandis?</i> Say.
	<i>U. cardium?</i> Raf.		<i>gigantea</i> Lea.
	<i>occidens</i> Lea (female).		
	<i>suboratus</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	Helix albolabris Say.	243	Helix electrina Gould.
243	<i>tridentata</i> Say.	243	<i>chersina</i> Say.
243	<i>thyroidus</i> Say.	243	Vitrina limpida Gould (n. s.)
243	<i>alternata</i> Say.		<i>V. pellucida</i> Say.
243	<i>palliata</i> Say.	243	Succinea ovalis Gould.
243	<i>monodon</i> Rack.	243	<i>obliqua</i> Say.
243	<i>perspectiva</i> Say.	243	<i>avara</i> Say.
243	<i>striatella</i> Anthony.	243	Physa heterostropha Say.
243	<i>concava</i> Say.	244	<i>vinosa</i> Gould (n. sp., pl.
243	<i>arborea</i> Say.		vii, fig. 10, 11).

Page.		Page.	
244	<i>Physa ancillaria</i> Say.	245	<i>Amnicola grana</i> Say.
244	<i>Limnea jugularis</i> Say.	245	<i>Paludina ponderosa</i> Say.
244	<i>caperata</i> Say.	245	<i>Melania livescens</i> 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	<i>Cyclas similis</i> Say.
244	<i>lanceata</i> Gould (n. sp.,	245	<i>partumeia</i> Say?
	pl. vii, fig. 8, 9).	245	<i>Pisidium dubium</i> S. (notes).
245	<i>Planorbis bicarinatus</i> Say.	245	<i>Unio radiatus</i> Gmel.
245	<i>parvus</i> Say.	245	<i>Anodonta Pepiniana</i> Lea.
245	<i>Valvata tricarinata</i> 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	<i>Ascidia amphora</i> Ag.	159	<i>Ascidia hirsuta</i> Ag.
159	<i>psammophora</i> Ag.	159	<i>rugosa</i> Ag.
159	<i>ocellata</i> Ag.	159	<i>Boltenia microcosmus</i> 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	<i>Limnea gracilis</i> .	Congress Lake, Ohio.
105	<i>jugularis</i> .	Congress Lake, Ohio.
105	<i>Melania gracilis</i> .	Congress Lake, Ohio.
105	<i>Ancylus fuscus</i> .	Congress Lake, Ohio.
105	<i>Helix diodonta</i> .	Congress Lake, Ohio.
105	<i>multilineata</i> .	Congress Lake, Ohio.

Hartman.—A Classified Catalogue, with Synonyms, of the Terrestrial and Fluvialile 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.
variabile 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. aurca 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.

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

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.

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

LAMELLIBRANCHIATA.

Anomiadæ.

7	Anomia ehippium Linn. var. <i>aculeata</i> .	var. <i>squamula</i> . var. <i>electrica</i> .
---	--	---

Ostreadæ.

8	Ostrea borealis Lam.
---	-----------------------------

Pectenidæ.

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

Arcadæ.

8	Arca transversa Say.	8	Arca pexata Say.
---	-----------------------------	---	-------------------------

Nuculidæ.

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

Mytilidæ.

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

Unionidæ.

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

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

Cycladidæ.

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

Kelliadæ.

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

Lucinidæ.

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

Astartidæ.

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

Cyprinidæ.

Page.	Page.
18	<i>Cyprina Islandica</i> Lam.

Cardiadae.

19	<i>Cardium Islandicum</i> Linn.	<i>Cardium Grœnlandicum</i> Chem.
19	<i>pinnulatum</i> Conr.	<i>edentulum</i> Sow.
19	<i>Mortoni</i> Conr.	<i>Acardo edentulus</i> Swains.
19	<i>Aphrodite Grœnlandica</i> St.	<i>Aphrodite columba</i> Lea.

Veneridæ.

19	<i>Venus mercenaria</i> Linn.	19	<i>Cytherea convexa</i> Say.
19	<i>fluctuosa</i> Gould.	19	var. <i>minor</i> .
19	<i>gemma</i> Totten.		<i>C. morrhuaana</i> Linsley?

Mactridæ.

20	<i>Mactra lateralis</i> Say.	20	<i>Mactra solidissima</i> Chemn.
20	<i>ponderosa</i> Phil.	20	<i>similis</i> Say.
	<i>M. oralis</i> Gould.		

Donacidae.

20	<i>Mesodesma arctatum</i> Gould.	20	<i>Mesodesma deauratum</i> Hanl.
	<i>Mactra arctata</i> Conr.		<i>Mactra deaurata</i> Turton.
			<i>Mesodesma Jaurisii</i> Joan.

Tellinidæ.

20	<i>Cumingia tellinoides</i> Conr.	<i>T. sordida</i> Couth.	
20	<i>Tellina fusca</i> Phil.	<i>calcareo</i> Lyell.	
	<i>Sanguinolaria fusca</i> Say.	21	<i>Tellina tenera</i> Say.
	<i>T. Grœnlandica</i> Beek?	21	<i>tenta</i> Say.
21	<i>proxima</i> Brown.	21	<i>versicolor</i> Cozens.
	<i>Sanguin. sordida</i> Gould.	21	<i>elucens</i> Michels.

Solemyadae.

21	<i>Solemya velum</i> Say.	21	<i>Solemya borealis</i> Totten.
----	---------------------------	----	---------------------------------

Solenidæ.

22	<i>Solecurtus gibbus</i> F. et H.	22	<i>Machæra squama</i> Gould MS.
	<i>Solen gibbus</i> Spengler.		<i>Solecurtus squama</i> Blainv.
	<i>Caribæus</i> Lam.		<i>M. nitida</i> Gould.
	<i>Solecurtus Caribæus</i> Conr.	22	<i>costata</i> Gould.
22	<i>bidens</i> F. et H.		<i>Solen costatus</i> Say.
	<i>Solen bidens</i> Chemn.		<i>Nahantensis</i> Desm
	<i>fragilis</i> Pult.		<i>Sayi</i> Griffith.
	<i>centralis</i> Say.	22	<i>Solen ensis</i> Linn.
	<i>Solecurtus fragilis</i> Gould.		

Anatinidæ.

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

Pandoridæ.

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

Corbulidæ.

24 *Corbula contracta* *Say.*

Myadæ.

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

Gastrochenidæ.

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

Pholadidæ.

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

GASTEROPODA.**PTEROPODA.****Hyaleadæ.**

27 *Hyalea trispinosa* *Lesueur.*

Limacinadæ.

27 *Spirialis Gouldii* *St.* (pl. i, fig. 4).

Clionidæ.

27 *Clione borealis* *Gray* | *Clio borealis* *Linn.*

PROSOBRANCHIATA.**Dentaliadæ.**

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

Chitonidæ.

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

Patellidæ.

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

Calyptræidæ.

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

Fissurellidæ.

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

Ianthinidæ.

32	Ianthina fragilis Brug.
----	--------------------------------

Paludinidæ.

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

Littorinidæ.

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

Turritellidæ.

35	Turritella costulata M. et Ad.	35	Turritella acicula St.
35	areolata St.		(pl. i, fig. 5).
35	erosa Cuth.	36	Cœcum pulchellum St.
			(pl. ii, fig. 3).

Cerithiadæ.

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

Vermetidæ.

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

Scalariadæ.

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

Pyramidellidæ.

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

Naticidæ.

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

Velutinidæ.

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

Cancellariadæ.

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

Muricidæ.

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

Conidæ.

48	Mangelia turricula F. et H.	49	Mangelia cancellata St.
	<i>Murex turricula</i> Mont.		<i>Fusus cancellatus</i> M. et A.
	<i>Fusus turricula</i> Brown.	49	decussata St.
48	harpularia St.		<i>Pleurotoma decussata</i> Cou.
	<i>Fusus harpularius</i> Couth.	49	violacea St.
49	pyramidalis St.		<i>Pleurotoma violacea</i>
	<i>Buccinum pyramidale</i>		Migh. et Ad.
	Ström.	49	bicarinata St.
	<i>Tritonium pyramidale</i>		<i>Pleurotoma bicarinata</i> Cou.
	Lovèn.	49	Pleurotoma cerinum Kurtz et
	<i>Fusus rufus</i> Gould.		St. (pl. ii, fig. 2).
		49	plicatum 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> Müll.	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>scutululum</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 cornu</i> Desh.	52	<i>Carychium exiguum</i> Gould.
	<i>bidentata</i> Gould.		<i>Pupa exigua</i> Say.
52	<i>denticulatus</i> Auct.		<i>Bulinus 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>megasoma</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. cleratus</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	Vertigo milium Gould. <i>Pupa milium</i> Gould.	53	Vertigo ovata Say. <i>Pupa ovata</i> Sager. <i>modesta</i> Say.
53	Gouldii Gould. <i>Pupa Gouldii</i> Binney.	53	simplex St. <i>Pupa simplex</i> Gould.

Pupadæ.

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

Helicidæ.

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

Limacidæ.

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

CEPHALOPODA.

DECAPODA.

Spirulidæ.

Page.		Page.
57	<i>Spirula Peronii Lam.</i>	

Loliginidæ.

57	<i>Loligo illecebrosa Lesueur.</i>		57	<i>Loligo pavo Lesueur.</i>
----	------------------------------------	--	----	-----------------------------

ERRATA.

58	<i>Pecten fuscus</i> Linsley (preoc.) = <i>Pecten brunneus</i> St.
58	<i>Leda obesa</i> 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 Prime.</i>	Massachusetts.
219	vi	<i>Pisidium compressum Prime.</i>	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 TROPIPODA.

ORDER BIMUSCULOSA.

Family Tubicola.

Page.	Name.	Locality.
9	<i>Teredo navalis Linn.</i>	Atlantic ocean.

Family Pholadaria.

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

Family **Solenacea.**

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

Family **Myaria.**

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

Family **Osteodesmata.**

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

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

Family **Mactracea.**

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

Family **Lithophaga.**

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

Family **Nymphacea.**

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

Family **Conchacea.**

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

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

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

Family **Cardiacea.**

44	Cardium elatum Sowerby.	California.
44	var.	Gulf of California.
44	Grœnlandicum 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	Icelandicum Chemn. (var.) <i>C. pubescens</i> Couth. <i>arcticum</i> Sowerby.	Massachusetts bay.
45	magnum Born. <i>C. maculatum</i> Gemlin. var. <i>C. ventricosum</i> Brug.	Gulf of Mexico. South Carolina.
45	Mortoni Conrad.	New York.
45	Nuttallii Conrad.	Upper California.
45	pinnulatum Conrad.	Rhode Island.
46	quadragenarium Conrad.	Upper California.
46	substriatum Conrad.	California.
47	Cardita borealis Conrad. <i>Venericardia borealis</i> Conrad.	Rhode Island.
47	Floridana Conrad.	Tampa Bay.

Family **Arcacea.**

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

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

Family **Naiades.**

54	Unio acutissimus <i>Lea.</i>	Alabama river.
54	alatus <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	altillis <i>Conrad.</i>	Alabama river.
54	angustatus <i>Lea.</i>	Congaree river.
54	apiculatus <i>Say.</i>	New Orleans.
	var. <i>U. asper</i> <i>Lea.</i>	Alabama river.
55	arctior <i>Lea.</i>	Ohio river.
	<i>U. dilatatus?</i> <i>Raf.</i>	
55	atrocostatus <i>Lea.</i>	Alabama.
55	biangulatus <i>Lea.</i>	Tennessee.
55	Blandingianus <i>Lea.</i>	Florida.
55	Boydianus <i>Lea.</i>	New York.
55	bullatus <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	cælatus <i>Conrad.</i>	Tennessee.
55	callosus <i>Lea.</i>	Ohio canal.
55	camptodon <i>Say.</i>	New Orleans.
55	capax <i>Green.</i>	Louisiana.
	<i>U. globosus</i> <i>Lea.</i>	
55	Capsæformis <i>Lea.</i>	Cumberland river.

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

Page.	Name.	Locality.
57	Unio Conradius <i>Lea.</i>	Tennessee.
	var.	Flint river.
57	constrictus <i>Conrad.</i>	Virginia.
57	Cooperianus <i>Lea.</i>	Ohio river.
	<i>U. striatus</i> Raf., Anthony.	
	var. <i>Obovaria pachostea</i> Raf., Fer.	Kentucky.
57	cor <i>Conrad.</i>	Elk river.
	<i>U. mytiloides?</i> Raf. (young).	
57	cordatus <i>Raf.</i>	Cumberland river.
	<i>U. undulatus</i> Barnes.	
	var. <i>U. trigonus</i> <i>Lea.</i>	
	<i>undulatus</i> <i>Desh.</i>	
57	costatus <i>Raf.</i>	Ohio river, Tennessee.
	<i>U. undulatus</i> Barnes.	
57	crassidens <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	crassus <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	cuneolus <i>Lea.</i>	Holston river.
58	cylindricus <i>Say.</i>	Wabash river.
	var. <i>U. naviformis</i> <i>Lam.</i>	Ohio river.
	<i>solenoides?</i> Raf.	Muskingum river.
58	cyphius <i>Raf.</i>	Ohio river.
	<i>U. Esopus</i> <i>Green.</i>	
	var. <i>Obliquaria cyphia</i> Raf.	Falls of Ohio river.
58	decisus <i>Lea.</i>	Alabama river.
58	declivis <i>Say.</i>	Bayou Teche.
	var. <i>U. geometricus</i> <i>Lea.</i>	Louisiana.
58	delumbis <i>Conrad.</i>	Cooper river, S. C.
	<i>U. modioliformis</i> <i>Lea.</i>	
58	dilatatus <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	dolabræformis <i>Lea.</i>	Altamaha river.
58	dromas <i>Lea.</i>	Harpeth river.
58	var.	Elk river.

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

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

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

Page.	Name.	Locality.
64	Unio plicatus 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	politus Say. <i>U. subrotundus</i> Lea.	Ohio.
64	pullus Conrad.	Sawney's creek.
65	purpuratus 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	purpuriatus Say. <i>U. McDellinus</i> Lea.	Mexico.
65	quadrulus Raf. <i>U. asperrimus</i> Lea. var. <i>Obliquaria quadrula</i> Raf. <i>U. rugosus</i> Barnes. <i>lachrymosus</i> Lea.	Ohio river.
65	radiatus Lam. <i>U. Virginiana</i> Lam. var. <i>Mya radiata</i> Gmelin. <i>oblongata</i> Wood.	Virginia. Wisconsin. Potomac.
65	Rangianus Lea.	Ohio river.
65	Ravenelianus Lea. <i>U. rudis</i> Conrad.	French Broad river.
65	rectus Lam. <i>U. latissima</i> Raf. var. <i>U. pralongus</i> Barnes. <i>Sageri</i> Conrad.	Ohio river. Lake Erie. Detroit river.
65	reflexus Raf. <i>U. cornutus</i> Barnes.	Alabama & Ohio rivers.
65	retusus Lam. var. <i>U. torsa</i> Raf. <i>obtusa</i> Say, Desh.	Ohio river. Tennessee. Wabash river.
65	Roanokensis Lea.	Roanoke river.
65	rotundatus Lam. <i>U. subglobosus</i> Lea. var. <i>U. suborbiculata</i> Lam. <i>glebulus</i> Say.	Bayou Teche. Louisiana.
66	Sayi Ward. var. <i>U. declivis</i> Conrad.	Kentucky. Ohio, Alabama.
66	Shepardianus Lea.	Hopetou, Ga., Altamaha riv.

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

Page.	Name.	Locality.
68	Unio verrucosus Raf. <i>U. tuberculatus</i> Barnes.	Ohio river.
68	Watereensis Lea. <i>U. Raveneli</i> Conrad.	Wateree canal.
68	Zieglerianus Lea.	Cumberland river.
68	Margaritana arcula Lea.	Altamaha river.
68	calceola Lea. <i>Unio calceolus</i> Lea.	Ohio.
68	complanata Barnes. <i>Symphynota complanata</i> Lea. var. <i>Alasmodonta complanata</i> .	Ohio river. Tennessee.
68	confragosa Say. <i>Alasmodonta confragosa</i> Say.	Illinois.
68	costata Raf. <i>Alasmodonta rugosa</i> Barnes. var. <i>Alasmodonta abducta</i> Say.	Ohio. Wabash river.
68	Curreyana Lea.	Stone's river.
68	delloidea Lea.	Scioto river.
68	margaritifera Linn. <i>Alasmodontu arcuata</i> Barnes.	Hudson river.
69	marginata 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	Raveneliana Lea.	Swananoë river.
69	undulata 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	Anodonta Benedictensis Lea. <i>Symphynota Benedictensis</i> Lea.	Lake Champlain.
71	Couperiana Lea.	Hopeton Ga.
71	cylindracea Lea.	Medellin river.
71	decora Lea.	Chillicothe.
71	edentula Say. <i>Alasmodonta edentula</i> Say. var. <i>Alasmodonta arcolatus</i> Swain.	Ohio. Wabash river.
71	excurvata De Kay. <i>A. fluviatilis?</i> Lea.	Passaic river.
71	ferruginea Lea.	Indiana.
71	Ferussaciana Lea.	Cincinnati.

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

Family **Chamacea.**

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

Family **Mytilacea.**

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

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

ORDER UNIMUSCULOSA.

Family Pectinacea.

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

Family **Ostracea.**

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

CLASS BRACHIOPODA.

Family **Tendinosa.**

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

CLASS GASTEROPODA.

ORDER **HYDROBRANCHIATA.**

95	Eolis Bostoniensis Couth.	Boston.
----	----------------------------------	---------

ORDER **CIRRHOBANCHIATA.**

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

ORDER **CYCLOBRANCHIATA.**

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

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

ORDER **CERVICOBANCHIATA.**Family **Fissuracea.**

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

Family **Capulacea.**

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

Family **Macrostromata.**

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

Family **Tubispiracea.**

111	Skenea serpuloides Flem.	Boston harbor.
-----	---------------------------------	----------------

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

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

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

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

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

Page.	Name.	Locality.
133	Helix diodonta Say. <i>H. Sayi</i> Binney.	Vermont.
137	Edgariana Lea. <i>Carocollu Edgariana</i> Lea.	Tennessee.
137	elevata Say. <i>Helicodonta Knoxvilliana</i> F. var. <i>Mesodon helicinum</i> Raf. <i>Tridopsis elevata</i> Beck.	Ohio. Tennessee.
138	fallax Say. var. <i>H. tridentata</i> Binney.	New York.
139	fidelis Gray. var. <i>H. Nuttalliana</i> Lea.	Columbia river. Oregon.
140	fuliginosa Griff. <i>H. capillacea</i> Pfr.	Ohio.
141	fulva 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	griseola Pfr. <i>H. cicercula</i> Fer. var. <i>H. splendidula</i> Ant. <i>Bradybaena pisum</i> Beck.	Mexico. Vera Cruz.
143	gularis Say. <i>Helicodonta gularis</i> Fer. var. <i>Sayda?</i> <i>gularis</i> Beck. <i>Helix suppressa</i> Say.	Ohio.
144	Hindsi Pfr.	Mexico.
144	hirsuta 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	indentata Say.	New Jersey.
147	inornata Say.	South Carolina.
147	interna Say. <i>H. pomum-Adami</i> Green.	Ohio.

Page.	Name.	Locality.
147	Helix intertexta Binney.	Ohio.
148	labyrinthica Say. <i>Helicodonta labyrinthica</i> Fer.	New York.
140	lævigata Raf. <i>Helix inornata</i> Binney. var. <i>Helicella lævigata</i> Fer. <i>Mesomphix lævigata</i> Raf.	Ohio.
151	ligera Say. <i>H. Wardiana</i> Lea. var. <i>H. Rafinesquea</i> Fer.	Ohio. Kentucky.
151	lineata Say. <i>Helicella lineata</i> Fer. var. <i>Euryomphala lineata</i> Beck.	New York. Massachusetts.
152	lucubrata Say.	Mexico.
153	major Binney. var. <i>H. albolabris</i> Fer.	Georgia.
155	minuscule Binney.	Ohio.
155	Mobiliana Lea.	Mobile.
155	multidentata Gould.	Vermont.
155	multilineata Say. <i>Helicogena multilineata</i> Fer. var. <i>Euryeratra multilineata</i> Beck.	Ohio. Vermont.
157	nemorialis Linn. (var.) <i>H. subglobosa</i> Binney.	Vermont.
159	obstricta Say. var. <i>H. denotata</i> Fer. <i>Carocolla helicoides</i> Lea.	Ohio. Kentucky.
160	Oregonensis Lea.	Oregon.
161	palliata 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	Pennsylvanica Green. <i>H. clausa</i> Say.	Pennsylvania.
163	perspectiva 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	planorboides 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	Helix profunda Say. <i>Helicella Richardi</i> Fer. var. <i>Tridopsis Richardi</i> Beck.	Ohio.
167	pulchella Müll. (var.) <i>H. paludosa</i> Walk., Mont., &c. &c. <i>H. minuta</i> Say.	Ohio.
168	pura Alder. (var.) <i>Helix nitidula</i> B 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	pustula Fer. <i>Helicodonta pustula</i> Fer.	Texas.
173	Sayi Binney. <i>H. diodonta</i> Say.	Vermont.
176	solitaria Say. <i>Euryomphala solitaria</i> Beck.	Ohio.
176	spinosa Lea. <i>Carocolla spinosa</i> Lea.	Alabama.
177	striatella Anthony. <i>H. perspectiva</i> Fer.	Ohio.
178	subplana Binney.	New York.
180	Texasiana 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	thyroides 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	Townsendiana Lea.	Wahlamat.

Page.	Name.	Locality.
181	Helix tridentata Say. <i>Helicodonta tridentata</i> Say. var. <i>Tridopsis lunula</i> Rafn., Beck. <i>tridentata</i> Beck.	New York. N. England, Canada. Pennsylvania.
182	Troostiana Lea. <i>Polygyra Troostiana</i> Lea.	Tennessee.
182	tudiculata Binney.	California.
183	Vancouverensis Lea.	Oregon.
184	ventrosula Pfr.	Mexico.
186	zaleta Say. <i>H. albolabris</i> Fer.	New York.
194	Bulimus dealbatus Say. <i>Helix dealbata</i> Say. var. <i>Buliminus dealbatus</i> Beck. <i>Zebrina dealbata</i> Held.	Tennessee. Alabama.
196	fenestratus Pfr.	Mexico.
198	Gruneri Pfr.	Mexico.
198	Hegewischi Pfr.	Mexico.
201	Mexicanus Lam. <i>Cochlogena vittata</i> Fer. var. <i>Bulimulus Mexicanus</i> Beck.	Tabasco.
206	punctatissimus 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	rudis Anton.	Mexico.
208	Schiedeanus Pfr. <i>B. xanthostomus</i> Wieg. var. <i>B. candidissimus</i> Nyst.	Mexico.
213	zebra Müll. <i>Buccinum zebra</i> Müll., &c. &c.	Mexico.
218	Achatina fasciata Müll. <i>Buccinum fasciatum</i> Müll., &c. &c.	Florida.
219	lubrica Müll. <i>Helix lubrica</i> Müll., &c. &c.	Massachusetts.
221	Rangiana Pfr.	Mexico.
222	trochlea Pfr.	Mexico.
222	truncata 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	Achatina virginea Linn.	Florida, &c.
	<i>Bulla Virginea</i> Linn., &c. &c.	
224	Pupa armifera Say.	Ohio.
	<i>P. armigera</i> Pot. et M.	
	var. <i>P. rupicola</i> Pfr.	
225	contracta Say.	New York.
225	corticaria Say.	Ohio.
	<i>Olostomia corticaria</i> Say.	
226	fallax 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	Gouldii Binney.	New York.
228	milium Gould.	Vermont.
229	muscorum Linn. (var.)	New York.
	<i>Turbo muscorum</i> Linn., &c.	
	<i>P. badia</i> Adams.	
230	ovata Say.	New York.
	<i>Vertigo ovata</i> Say.	
	var. <i>P. modesta</i> Say.	
	<i>P. ovulum</i> Pfr.	
230	pentodon 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	Cylindrella Goldfussi Menke.	Texas.
235	<i>Liebmanni</i> Pfr.	Mexico.
250	Succinea avara Say.	New York.
	var. <i>S. vermeta</i> Say.	
250	campestris Say.	New York.
	<i>Cochlohydra campestris</i> Fer.	
250	Grœnlandica Beck.	Greenland.
250	inflata Lea.	Carolina.
250	Oregonensis Lea.	Oregon.
250	ovalis Say.	New York.
	var. <i>Cochlohydra ovalis</i> Fer.	Ohio.

Family **Cyclostomacea.**

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

Family **Auriculacea.**

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

Family **Lymnæadæ.**

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

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

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

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

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

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

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

Page.	Name.	Locality.
277	<i>Io fusiformis</i> Lea.	Tennessee.
277	<i>spinosa</i> Lea.	Tennessee.
Family Peristomata.		
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>Amnicola 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	Ampullaria depressa Say. var. <i>A. Hopctonensis</i> Lea. <i>paludosa</i> Say.	East Florida. Georgia.
283	scalaris D'Orb.	Mexico.
283	urceus Müll. <i>Nerita urceus</i> Müll. var. <i>Bulinus urceus</i> Brug. <i>A. rugosa</i> Lam.	Mexico. Mississippi.

Family Neritacea.

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

Family Velutiniidæ.

294	Velutina lævigata 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	zonata Gould.	Boston bay.

Family Plicacea.

296	Tornatella puncto-striata Adams.	New York.
-----	---	-----------

Family **Turbinacea.**

Page.	Name.	Locality.
299	Pyramis striatula <i>Couth.</i>	Massachusetts.
299	Cingula aculeus <i>Gould.</i>	Boston.
299	latior <i>Mighels.</i>	Casco bay.
299	minuta <i>Totten.</i>	New Bedford.
	<i>Turbo minutus</i> <i>Totten.</i>	
299	Odostomia exigua <i>Couth.</i>	Boston.
	<i>Jaminiæ exigua</i> <i>Couth.</i>	
	var. <i>Rissoa rupestris</i> <i>Forbes.</i>	
	<i>Turitella bisuturalis?</i> <i>Say.</i>	
299	fusca <i>Adams.</i>	New Bedford.
	<i>Pyramis fusca</i> <i>Adams.</i>	
	var. <i>Jaminiæ fusca</i> <i>Adams.</i>	
299	seminuda <i>Adams.</i>	Cape Cod.
	<i>Jaminiæ seminuda</i> <i>Adams.</i>	
299	trifida <i>Totten.</i>	Rhode Island.
	<i>Acteon trifidus</i> <i>Totten.</i>	
300	Scalaria Grœnlandica <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	hexagona <i>Sowerby.</i>	Acapulco.
300	lineata <i>Say.</i>	New York.
300	multistriata <i>Say.</i>	South Carolina.
	<i>S. pulchella</i> <i>Bivon.</i>	
300	Nov.-Angliæ <i>Couth.</i>	Cape Ann.
302	Solarium placentale <i>Hinds.</i>	California.
305	Trochus moestus <i>Jonas.</i>	California.
307	undosus <i>Wood.</i>	California.
	var. <i>T. Californianus</i> <i>Nutt.</i>	
307	unguis <i>Wood.</i>	Acapulco.
	<i>T. digitatus</i> <i>Desh.</i>	
307	Margarita arctica <i>Leach.</i>	Plymouth, Mass.
	<i>Turbo inflatus</i> <i>Totten.</i>	
307	argentata <i>Gould.</i>	Cape Ann.
307	cinerea <i>Couth.</i>	Massachusetts bay.
	<i>Turbo cinereus</i> <i>Couth.</i>	
307	expansa <i>Sowerby.</i>	Arctic Sea.
307	glabrata.	Greenland.
307	glacialis <i>Möll.</i>	Greenland.
307	Grœnlandica <i>Beck.</i>	Greenland.
307	obscura <i>Couth.</i>	Massachusetts bay.
	<i>Turbo obscurus</i> <i>Couth.</i>	
307	septentrionalis.	Greenland.

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

Family **Canalifera.**

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

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

Page.	Name.	Locality.
329	Pyrula pyrum <i>Dillwyn.</i> <i>P. spirata</i> Lam. var. <i>Fulgur pyrloides</i> Say.	Florida.
330	Murex bicolor Val. <i>M. erythrostomus</i> Swains. var. <i>M. regius</i> Schub. et Wagn.	Gulf of California. Mazatlan.
330	brassica Lam. <i>M. ducalis</i> Brod.	Gulf Calif'a, Mazatlan.
330	chrysostomus Gray.	Gulf of Mexico.
331	elongatus Lam.	Gulf of Mexico.
331	foliatus Gmelin.	California.
331	imperialis Swain. (var.)	California.
332	Nuttallii Conrad. <i>Cerostoma Nuttallii</i> Conrad.	California. Gulf of Mexico.
333	spinicostata Val.	Gulf of Mexico.
334	trilineatus Reeve.	San Blas.
334	Ficula decussata Wood.	Florida.
335	papyratia Say. <i>Pyrula papyratia</i> Say.	New York.
335	Ranella caudata Say.	California.
336	triquetra Reeve.	

Family **Alata.**

339	Aporrhais occidentalis Beck. <i>A. occidentalis</i> Sowerby.	Grand Bank.
342	Strombus galeatus Wood. (var.)	California.
342	gracilior Wood.	California.

Family **Purpurifera.**

346	Ricinula dumosa Conrad. <i>R. porphyrostoma</i> Reeve.	California.
347	Columbella avara Say.	New York.
348	carinata Hinds.	California.
348	hæmastoma Sowerby (var.)	California.
349	lunata Say. <i>Nassa lunata</i> Say.	Massachusetts.
351	Purpura aperta Blain. (var.) <i>P. macrostoma</i> Conrad.	California.
352	emarginata Desh. <i>P. Conradi</i> Nutt.	California.
352	Floridana Conrad.	Tampa bay.
352	harpa Conrad.	California.
353	lapillus Linn. (var.) <i>Buccinum filosum</i> Gmelin. var. <i>P. imbricata</i> Lam.	Massachusetts. Maine.

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

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

Family **Columellata.**

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

Family **Convoluta.**

387	Cypræa albuginosa <i>Mawe.</i>	California.
387	Arabica <i>Linn.</i> (var.)	California.
	<i>C. cglantina</i> <i>Duclos, &c. &c.</i>	
387	Californica <i>Gray.</i>	California.
	<i>Trivia Californica</i> <i>Gray.</i>	
391	onyx <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	Solandri <i>Gray.</i>	California.
394	Ovulum avena <i>Sowerby.</i>	Mexico.
	(<i>Cypræada.</i>)	
395	<i>uniplicatum</i> <i>Sowerby.</i>	South Carolina.
400	Conus interruptus <i>Brod.</i>	Mazatlan.
404	<i>purpurascens</i> <i>Brod.</i>	San Blas.
405	spurius <i>Gmel.</i> (var.)	Mexico.
	<i>C. leoninus</i> <i>Brug.</i>	
	<i>Protus</i> <i>Brug.</i>	
	<i>inscriptus</i> <i>Brug.</i>	
	<i>bicolor</i> <i>Sowerby.</i>	

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

SUPPLEMENT.

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

Page.	Name.	Locality.
466	Pisidium abditum <i>Hald.</i>	Pennsylvania.
466	<i>altile</i> <i>Anthony.</i>	Ohio.
466	<i>compressum</i> <i>Prime.</i>	Massachusetts.
466	<i>variable</i> <i>Prime.</i>	Massachusetts.
466	<i>ventricosum</i> <i>Prime.</i>	Massachusetts.
466	Venus astartoides <i>Beck.</i>	Greenland.
466	<i>Manhattensis</i> <i>Prime.</i>	New York.
468	Dentalium striolatum <i>Stimpson.</i>	Maine.
469	Bulla amygdalus <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	Gouldii <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. (var.)</i>	B'ks of Newfoundland.
	Subgenus <i>Scaphander.</i>	
470	<i>nebulosa</i> <i>Gould (var.)</i>	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	Helix exigua <i>Stimpson.</i>	Boston.
473	Succinea obliqua <i>Say.</i>	New York.
473	<i>Texasiana</i> <i>Pfr.</i>	Galveston.
474	Planorbis multivolvis <i>Case.</i>	Michigan.
474	Physa vinosa <i>Gould.</i>	Lake Superior.
474	Melania brevi-spira <i>Anthony.</i>	Ohio.
474	<i>monilifera</i> <i>Anthony.</i>	Georgia.
475	Odostomia insculpta <i>De Kay.</i>	New York bay.

Page.	Name.	Locality.
475	<i>Turritella acicula</i> Stimpson.	Cape Cod.
476	<i>Pleurotoma cerinum</i> Kurtz, Stimpson.	New Bedford.
476	<i>Murex Belcheri</i> Hinds.	San Diego.
476	<i>monoceros</i> Sowb.= <i>M. Nuttallii</i> Conr.	
478	<i>Spirialis Gouldii</i> Stimpson.	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	<i>Unio donaciformis.</i>	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	<i>Symphynota inflata.</i>	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	<i>Alasmodonta confragosa.</i>	Illinois.
18	<i>rugosa.</i>	Ohio.
18	<i>complanata.</i>	Kentucky.
18	<i>marginata.</i>	Ohio.
18	<i>undulata.</i>	New Jersey.
18	<i>Anodonta fragilis.</i>	Ohio.
19	<i>Modiola demissus.</i>	Rhode Island.
20	<i>Pinna seminuda.</i>	South Carolina.
21	<i>Hinnites Poulsoni.</i>	California.
22	<i>Pecten gigantea.</i>	California.
26	<i>Helix aspersa.</i>	Charleston, S. C.
26	<i>Richardi.</i>	Tennessee.
28	<i>fraterna.</i>	Pennsylvania.
29	<i>Carocolla spinosa.</i>	Alabama.
30	<i>Bulimus undatus.</i>	Florida.
31	<i>mutilatus.</i>	South Carolina.
31	<i>Achatina vexillum.</i>	Florida.
31	<i>virginea.</i>	Florida.

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

(Second Edition, vide p. 52.)

8	Solen constrictus <i>Lam.</i>	Rhode Island.
8	rostratus <i>Lam.</i>	Maine.
9	Thracia corbuloides <i>Desh.</i>	Rhode Island.
10	Gnathodon truncatus.	Florida.
12	Tellina versicolor <i>Cozzens.</i>	New York.
16	Cardium fasciatum <i>Mont.</i>	South Carolina.
19	Unio arcæformis <i>Lea.</i>	Tennessee.
20	dehiscens <i>Say.</i>	Ohio.
	<i>U. oriens</i> <i>Lea.</i>	
20	elegans <i>Lea.</i>	Ohio.
20	gibbosus <i>Barnes.</i>	
	<i>U. nasuta</i> <i>Lam.</i>	
20	fabalis <i>Lea.</i>	Ohio.
	<i>U. lapillus</i> <i>Say.</i>	
21	<i>heros</i> <i>Say</i> = U. multiplicatus <i>Lea.</i>	
21	perplexus <i>Lea.</i>	Ohio.
21	phaseolus <i>Hildreth.</i>	Ohio.
	<i>U. planulatus</i> <i>Lea.</i>	
21	pyramidatus <i>Lea.</i>	Ohio.
22	sulcatus <i>Lea.</i>	Tennessee.
	<i>U. ridibundus</i> <i>Say.</i>	
22	rugosus <i>Barnes.</i>	Ohio.
	<i>U. asperrimus</i> <i>Lea.</i>	
22	orbiculatus <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> = U. trapezoides <i>Lea.</i>	
22	trigonus <i>Lea.</i>	Ohio.
22	<i>formosus</i> <i>Lea</i> = U. triangularis <i>Barnes.</i>	
22	<i>undatus</i> <i>Barnes</i> = U. obliquus <i>Lam.</i>	
22	undulatus <i>Barnes.</i>	Ohio.
23	<i>elongata</i> <i>Lam.</i> = Alasmodonta margaritifera <i>Say.</i>	
23	Alasmodonta edentula <i>Say.</i>	Ohio.
23	Anodonta areolata <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> Spir.	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	<i>Cytherea callosa</i> Conrad.	Upper California.
19	<i>Venus staminea</i> Conrad.	Upper California.
23	<i>Unio camelus</i> Lea.	Ohio.
23	<i>Cumberlandicus</i> Lea.	Tennessee.
24	<i>cuprinus</i> Lea.	Mexico.
24	<i>lævissimus</i> Lea.	Ohio.
24	<i>lachrymosus</i> Lea.	Ohio.
25	<i>orbiculatus</i> Hildreth.	Indiana.
25	<i>pileus</i> Lea.	Ohio.
25	<i>Schoolcraftensis</i> Lea.	Green bay.
27	<i>subovatus</i> Lea.	Ohio.
27	<i>tenuissimus</i> Lea.	Ohio.
28	<i>Anodonta pavonia</i> Lea.	Ohio.
30	<i>Modiola papuana</i> Lam.	New York.
30	<i>Mytilus borealis</i> Lam.	New York.
31	<i>Perna Californica</i> Conrad.	California.
33	<i>Pecten tumidus</i> Brod.	Upper California.
34	<i>Anomia patellaris</i> Lam.	New York.
36	<i>Eolis gymnota</i> Couth.	Charles river.
36	<i>salmonacea</i> Couth.	Massachusetts.
37	<i>Tritonia Reynoldsii</i> Couth.	Charles river.
37	<i>Chiton Californicus</i> Nutt.	Upper California.
37	<i>incarnatus</i> Nutt.	Upper California.
37	<i>pectinatus</i> Gould.	New York.
37	<i>textilis</i> Conrad.	Upper California.
37	<i>Patella amcena</i> Say.	New York.
38	<i>plicata</i> Nutt.	Upper California.
38	<i>scabra</i> Nutt.	Upper California.
40	<i>Fissurella ornata</i> Nutt.	Upper California.
40	<i>pica</i> Nutt.	Upper California.
41	<i>Crepidula rugosa</i> Nutt.	Upper California.
41	<i>squamosa</i> Brod.	Upper California.
41	<i>Bulla Californica</i> Nutt.	Upper California.
46	<i>Helix denotata</i> Fer.	Ohio.
	<i>H. palliata</i> Say.	
47	<i>Leaui</i> Ward.	Ohio.
47	<i>linguifera</i> Fer.	Ohio.
	<i>H. appressa</i> Say.	
49	<i>planorbula</i> Lam.	Florida.
	<i>H. septemvolva</i> Say.	
49	<i>scabra</i> Lam.	New York.
	<i>H. alternata</i> Say.	
50	<i>subglobosa</i> Binney.	Massachusetts.
51	<i>Wardiana</i> Lea.	Ohio.
51	<i>zaleta</i> Say.	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>Galericolum 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>palliatus</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.	Massachusetts bay.
	<i>C. buccinoides</i> Couth.	
79	<i>Melongena 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.	California.
	<i>Purpura spirata</i> Blainv.	
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 Petittii</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 hirsuta</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	Pupa armifera Say.	368	Limnea columella Say.
367	corticaria Say.		<i>L. macrostoma</i> Say.
367	ovata Say.	368	emarginata Say.
	<i>P. modesta.</i>	368	fragilis Linn.
367	Succinea obliqua Say.		<i>L. elodes</i> Say.
367	avara Say.	368	gracilis Say.
368	Bulinus lubricus Brug.	368	jugularis Say.
368	harpa Pfeiffer.		<i>L. stagnalis</i> Kirtland.
	<i>Helix harpa</i> Say.	368	megasoma Say.
368	Planorbis armigerus Say.	368	umbrosa Say.
368	bicarinatus Say.	368	Physa heterostropha Say.
368	campanulatus Say.	368	elongata Say.
368	corpulentus Say.	368	Paludina decisa Say.
368	deflectus Say.	368	isogona Say.
368	exacutus Say.	368	subglobosa Say.
368	parvus Say.	368	Amnicola limosa Say.
368	trivolvis Say.	368	lustrica Say.
368	Limnea caperata Say.	368	Melania depygis Say.
	<i>L. umbilicata</i> Adams.	368	elevata Say.
368	catascopium Say.	368	Valvata tricarinata Say.
		368	sincera Say.

ORDER ACEPHALA.

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

Page.		Page.	
369	Unio verrucosus Raf. <i>U. tuberculatus</i> Barnes.	370	Alasmodonta marginata S.
369	Metaptera alata Conrad. <i>Unio alatus</i> Say.	370	leptodon Raf. <i>Unio planus</i> Barnes. <i>tenuissima</i> Lea.
369	fragilis Conrad. <i>Unio fragilis</i> Say. <i>gracilis</i> Barnes.	370	Strophites calceolus Conr. <i>Unio calceolus</i> Lea.
369	Plectomerus plicatus Conr. <i>Unio plicatus</i> Barnes.	370	edentulus Conrad. <i>Alasmodonta edentula</i> Say. <i>Anodonta edentula</i> DeKay.
370	Complanaria complanata Conrad. <i>Alasmodonta complanata</i> Barnes.	370	Anodonta cataracta Say. <i>A. fluvitilis</i> Lea.
370	costata Conrad. <i>Alasmodonta costata</i> Raf. <i>rugosa</i> Bar.	370	declivis Conrad. <i>A. plana</i> Lea.
370	compressa Conrad. <i>Symphynota compressa</i> Lea.	370	Ferussaciana Lea.
		370	imbecilis Say. <i>A. incerta</i> Lea.
		370	Cyclas similis 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, 1852.¹

GENUS MARGARON.

Subgenus **Unio.**

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

¹ 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	Unio trapezoides <i>Lea.</i>
19	Unio pressus <i>Lea.</i>		<i>U. crassidens</i> Lam. var. a.
	<i>Symph. compressa</i> <i>Lea.</i>		<i>interruptus</i> Say.
	<i>Complanaria alasmodontina</i> Stimpson.	21	subtentus <i>Say.</i>
	<i>U. compressus</i> Conrad.	21	Conradicus <i>Lea.</i>
19	decoratus <i>Lea.</i>	21	acutissimus <i>Lea.</i>
19	atromarginatus <i>Lea.</i>		(b. <i>Nodulosus.</i>)
	(NON-SYMPHYNOTE.)	21	lachrymosus <i>Lea.</i>
	(a. <i>Plicate.</i>)	21	asperrimus <i>Lea.</i>
20	multiplicatus <i>Lea.</i>		<i>U. quadrulus</i> Say.
	<i>U. heros</i> Say.	21	Rumphianus <i>Lea.</i>
	<i>undulatus</i> Say.	22	fragosus Conrad.
20	undulatus Barnes.	22	Phillipsii Conrad.
	<i>U. costata?</i> Raf.	22	Cincinnatiensis <i>Lea.</i>
	<i>costatus</i> Conrad.	22	pustulatus <i>Lea.</i>
20	perplicatus Conrad.		<i>U. undulatus</i> Conrad.
20	atrocostatus <i>Lea.</i>	22	Schoolcraftensis <i>Lea.</i>
20	plicatus <i>Lesueur.</i>		<i>U. prasinus</i> Conrad.
	<i>U. Peruviana</i> Lam.	22	<i>nodiferus</i> Conrad.
	<i>rariplicata</i> Lam.	22	apiculatus <i>Say.</i>
	<i>Dombeyanus</i> Valen.	22	asper <i>Lea.</i>
	<i>undulata</i> Desh.	22	Dorfeullianus <i>Lea.</i>
	<i>multiplicata</i> Desh.	22	stapes <i>Lea.</i>
	<i>crassus</i> Barnes.	22	tuberosus <i>Lea.</i>
	<i>undulatus</i> Conrad.	22	sparsus <i>Lea.</i>
20	infucatus Conrad.	22	metanevrus Raf.
	<i>U. securiformis</i> Conrad.		<i>U. nodosus</i> Barnes.
20	Kleinianus <i>Lea.</i>		<i>rugosus</i> Barnes.
20	foliatus <i>Hild.</i>		<i>Telederma metanevra</i> Sw.
	<i>U. flexuosa?</i> Raf.	22	intermedius Conrad.
	<i>U. flexuosus</i> Conrad.	22	cornutus Barnes.
	<i>foliatus</i> Conrad.		<i>U. reflexa?</i> Raf.
20	cælatus Conrad.	22	<i>reflexus</i> Conrad.
20	Stewardsonii <i>Lea.</i>		pustulosus <i>Lea.</i>
20	pliciferus <i>Lea.</i>		<i>U. verrucosus</i> Barnes.
	<i>U. carbonarius</i> <i>Lea.</i>		<i>verrucosa</i> Valen.
	<i>plexus</i> Conrad.		<i>verrucosus albus</i> Say.
20	semigranosus <i>V. d. Busch.</i>	22	<i>bullatus</i> Conrad.
21	laticostatus <i>Lea.</i>	22	Keinerianus <i>Lea.</i>
21	hippopæus <i>Lea.</i>	22	turgidus <i>Lea.</i>
21	Sloatianus <i>Lea.</i>		<i>U. Mortoni</i> Conrad.
	<i>U. plectoforus</i> Conrad.	22	Cooperianus <i>Lea.</i>

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

Page.	
25	Unio plenus <i>Lea.</i>
25	pyramidatus <i>Lea.</i> <i>U. rubra?</i> Raf. <i>mytiloides</i> Conrad. <i>cardiacea</i> Desh.
25	Bournianus <i>Lea.</i>
25	Edgarianus <i>Lea.</i>
25	mytiloides <i>Raf.</i> <i>Mya obliqua</i> Wood. <i>Unioopsis mytiloides</i> Swain.
25	Troostensis <i>Lea.</i> <i>U. trabalis</i> Conrad.
25	trossulus <i>Lea.</i>
25	Taitianus <i>Lea.</i>
23	cor <i>Conrad.</i>
26	Hanleyianus <i>Lea.</i>
26	decisus <i>Lea.</i>
26	clavus <i>Lam.</i> <i>U. scalenia</i> <i>modioliformis</i> Say.
26	patulus <i>Lea.</i>
26	oviformis <i>Conrad.</i>
26	argenteus <i>Lea.</i>
26	Ravenelianus <i>Lea.</i> <i>U. rudis</i> Conrad.
26	Troschelianus <i>Lea.</i>
26	strictus <i>Lea.</i>
26	Rangianus <i>Lea.</i> <i>U. gibbosus</i> Küst.
26	sulcatus <i>Lea.</i> <i>U. ridibundus</i> Say.
26	Haysianus <i>Lea.</i>
26	ellipsis <i>Lea.</i> <i>U. brevisialis?</i> Sowb.
26	castaneus <i>Lea.</i>
26	pulvinulus <i>Lea.</i>
26	Tampicoensis <i>Lea.</i>
26	Lecontianus <i>Lea.</i> <i>U. contrarius</i> Conrad.
26	hebes <i>Lea.</i>
26	perdix <i>Lea.</i> <i>U. pectorosus</i> Conrad.
26	ventricosus <i>Barnes.</i> <i>U. radiatus</i> Hild. <i>Lampsilis ventricosa</i> Stim.

Page.	
26	Unio occidentens <i>Lea.</i> <i>U. ventricosus</i> Say. <i>lenis</i> (junior) Conrad. <i>cardium</i> Conrad.
27	lineatus <i>Lea.</i>
27	dolabræformis <i>Lea.</i>
27	capax <i>Green.</i> <i>Symph. globosa</i> <i>Lea.</i>
27	splendidus <i>Lea.</i>
27	ochraceus <i>Say.</i> <i>Symph. ochracea</i> <i>Lea.</i> <i>U. rosaceus</i> Conrad. <i>Lampsilis ochracea</i> Stimp.
27	stagnalis <i>Conrad.</i> <i>U. Ogecheensis</i> Conrad.
27	Clarkianus <i>Lea.</i>
27	crocatus <i>Lea.</i>
27	affinis <i>Lea.</i>
27	cariosus <i>Say.</i> <i>U. cariosa</i> Lam. <i>ovata</i> Valen. <i>luteola</i> Conrad. <i>oratus</i> Conrad. <i>Lampsilis cariosa</i> Stimp.
27	Georgianus <i>Lea.</i>
27	perovatus <i>Conrad.</i>
27	atilis <i>Conrad.</i>
27	multiradiatus <i>Lea.</i> <i>U. fasciola?</i> Raf. <i>fasciolus</i> Conrad. <i>ligamentina</i> Desh.
27	Novi-Eboraci <i>Lea.</i>
27	saxeus <i>Conrad.</i>
27	perovalis <i>Conrad.</i>
27	capsæformis <i>Lea.</i>
27	Greenii <i>Conrad.</i>
27	pictus <i>Lea.</i>
27	pallescens <i>Lea.</i>
27	Tennesseeensis <i>Lea.</i>
27	simplex <i>Lea.</i>
27	flavescens <i>Lea.</i>
27	interruptus <i>Lea.</i> <i>U. tenuatus?</i> Conrad. <i>latiradiatus</i> Conrad.

- | Page. | | Page. | |
|-------|---|-------|---|
| 27 | Unio Menkianus <i>Lea.</i> | 29 | Unio Nashvillianus <i>Lea.</i> |
| 27 | Stonensis <i>Lea.</i> | 29 | Mississippiensis <i>Conrad.</i> |
| 27 | venustus <i>Lea.</i> | 29 | Zeiglerianus <i>Lea.</i> |
| 27 | exiguus <i>Lea.</i> | 29 | lienosus <i>Conrad.</i> |
| 27 | Tecomatensis <i>Lea.</i> | 29 | constrictus <i>Conrad.</i> |
| 28 | spatulatus <i>Lea.</i> | 29 | placitus <i>Lea.</i> |
| 28 | ligamentinus <i>Lam.</i> | 29 | buxeus <i>Lea.</i> |
| | <i>U. crassus</i> <i>Say.</i> | 29 | concauus <i>Lea.</i> |
| | <i>ellipticus</i> <i>Barnes.</i> | 29 | obscurus <i>Lea.</i> |
| | <i>carinatus</i> <i>Barnes.</i> | 29 | proximus <i>Lea.</i> |
| | <i>Mya gravis</i> <i>Wood.</i> | 29 | nitens <i>Lea.</i> |
| | <i>U. fasciatus</i> <i>Conrad.</i> | 29 | Gouldii <i>Lea.</i> |
| 28 | orbiculatus <i>Hild.</i> | 29 | Moussonianus <i>Lea.</i> |
| | <i>U. abruptus</i> <i>Say.</i> | 29 | Monroensis <i>Lea.</i> |
| | <i>crassus</i> <i>Conrad.</i> | 29 | caliginosus <i>Lea.</i> |
| 28 | Hydianus <i>Lea.</i> | 29 | Binneyi <i>Lea.</i> |
| 28 | approximus <i>Lea.</i> | 30 | Bucklyi <i>Lea.</i> |
| 28 | Claibornensis <i>Lea.</i> | 30 | fuscatus <i>Lea.</i> |
| 28 | Powellii <i>Lea.</i> | 30 | occultus <i>Lea.</i> |
| 28 | Reeveianus <i>Lea.</i> | 30 | luridus <i>Lea.</i> |
| 28 | luteolus <i>Lam.</i> | 30 | nigellus <i>Lea.</i> |
| | <i>U. siliquoides</i> <i>Barnes.</i> | 30 | Cumberlandianus <i>Lea.</i> |
| | <i>inflatus</i> <i>Barnes.</i> | | <i>U. Cumberlandicus</i> <i>Chenu.</i> |
| | <i>melinus</i> <i>Conrad.</i> | 30 | vibex <i>Conrad.</i> |
| | <i>rosaceus</i> <i>De Kay.</i> | 30 | Muhlfeldianus <i>Lea.</i> |
| | <i>Lampsilis siliquoides</i> <i>St.</i> | 31 | creperus <i>Lea.</i> |
| 28 | stramineus <i>Conrad.</i> | 31 | glaber <i>Lea.</i> |
| 28 | aratus <i>Lea.</i> | 31 | fabalis <i>Lea.</i> |
| 28 | pulcher <i>Lea.</i> | | <i>U. capillus</i> <i>Say.</i> |
| 28 | tener <i>Lea.</i> | | <i>lapillus</i> <i>Say.</i> |
| 29 | Prevostianus <i>Lea.</i> | 31 | paulus <i>Lea.</i> |
| 29 | radiatus <i>Lam.</i> | 31 | pusillus <i>Lea.</i> |
| | <i>U. Virginiana</i> <i>Lam.</i> | 31 | parvus <i>Barnes.</i> |
| | <i>Mya radiata</i> <i>Gmel.</i> | 31 | Haleianus <i>Lea.</i> |
| | <i>oblongata</i> <i>Wood.</i> | 31 | nigerrimus <i>Lea.</i> |
| | <i>pictorum tenuis</i> <i>Chem.</i> | 31 | minor <i>Lea.</i> |
| | <i>Lampsilis radiata</i> <i>Stimp.</i> | 31 | glans <i>Lea.</i> |
| 29 | regularis <i>Lea.</i> | 31 | nux <i>Lea.</i> |
| 29 | amœnus <i>Lea.</i> | 31 | Brumbyanus <i>Lea.</i> |
| 29 | Sapotalensis <i>Lea.</i> | 31 | mæstus <i>Lea.</i> |
| 29 | Oregonensis <i>Lea.</i> | 31 | pullus <i>Conrad.</i> |
| 29 | Medellinus <i>Lea.</i> | 31 | ineptus <i>Lea.</i> |
| 29 | notatus <i>Lea.</i> | 31 | discus <i>Lea.</i> |
| 29 | subangulatus <i>Lea.</i> | | <i>U. Panacoensis</i> <i>V. d. Busch.</i> |
| 29 | Vanuzemensis <i>Lea.</i> | 31 | simus <i>Lea.</i> |

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

- | Page. | | Page. | |
|-------|--|-------|---|
| 35 | Unio coccineus <i>Lea.</i>
<i>U. coccineus</i> Hildreth's
letter, Conrad.
<i>catillus</i> Conrad.
<i>cuneus?</i> Conrad. | 38 | Unio phaseolus <i>Hild.</i>
<i>U. planulatus</i> <i>Lea.</i>
<i>cuneatus</i> <i>Barnes.</i> |
| 35 | Shepardianus <i>Lea.</i> | 38 | arcus <i>Conrad.</i> |
| 35 | Duttonianus <i>Lea.</i> | 38 | arctatus <i>Conrad.</i> |
| 35 | folliculatus <i>Lea.</i> | 38 | gibbosus <i>Barnes.</i>
<i>U. mucronatus</i> <i>Barnes.</i>
<i>nasuta</i> <i>Lam.</i>
<i>dilatata?</i> <i>Raf.</i>
<i>dilatatus</i> <i>Conrad.</i> |
| 35 | rectus <i>Lam.</i>
<i>U. praelongus</i> <i>Barnes.</i>
<i>recta</i> <i>Valen.</i>
<i>Sageri</i> <i>Conrad.</i>
<i>Mya praelonga</i> <i>Wood.</i>
<i>Eurynea praelonga</i> <i>Stimp.</i> | 38 | arctior <i>Lea.</i> |
| 36 | strigosus <i>Lea.</i> | 38 | Vaughanianus <i>Lea.</i>
<i>U. Carolinensis</i> <i>Rav. let.</i> |
| 36 | perstriatus <i>Lea.</i> | 38 | purpuratus <i>Lam.</i>
<i>Mya ventricosa</i> <i>Solan.</i>
<i>U. ater</i> <i>Lea.</i>
<i>lugubris</i> <i>Say.</i>
<i>Poulsoni</i> <i>Conrad.</i> |
| 36 | angustatus <i>Lea.</i> | 38 | biangulatus <i>Lea.</i> |
| 36 | dactylus <i>Lea.</i> | 38 | cuprinus <i>Lea.</i>
<i>U. metallicus</i> <i>Say.</i> |
| 36 | lanceolatus <i>Lea.</i> | 38 | papyraceus <i>Gould.</i> |
| 36 | anodontoides <i>Lea.</i>
<i>U. teres?</i> <i>Raf.</i>
<i>teres</i> <i>Conrad.</i> | 38 | Boydianus <i>Lea.</i> |
| 37 | productus <i>Conrad.</i> | 39 | modioliformis <i>Lea.</i>
<i>U. delumbis</i> <i>Conrad.</i> |
| 37 | sagittiformis <i>Lea.</i> | 39 | Floridensis <i>Lea.</i> |
| 37 | nasutus <i>Say.</i>
<i>U. rostratus</i> <i>Valen.</i>
<i>Mya nasuta</i> <i>Wood.</i>
<i>U. subrostratus?</i> <i>Say.</i>
<i>Eurynea nasuta</i> <i>Stimp.</i> | 39 | tenerus <i>Rav.</i>
<i>U. tenebrosus</i> <i>Conrad.</i> |
| 37 | Barrattii <i>Lea.</i> | 39 | pellucidus <i>Lea.</i> |
| 37 | Fisherianus <i>Lea.</i> | 39 | amygdalum <i>Lea.</i> |
| 37 | aheneus <i>Lea.</i> | 39 | lenior <i>Lea.</i> |
| 37 | Jayensis <i>Lea.</i> | 39 | hyalinus <i>Lea.</i> |
| 38 | lugubris <i>Lea.</i> | 39 | nigrinus <i>Lea.</i> |
| 38 | iris <i>Lea.</i>
<i>U. nebulosus</i> <i>Conrad.</i> | 39 | Tappanianus <i>Lea.</i>
<i>U. viridis</i> <i>Conrad.</i> |
| 38 | fatuus <i>Lea.</i> | 39 | contradens <i>Lea.</i> |
| 38 | tenuissimus <i>Lea.</i>
<i>Symph. tenuissimq</i> <i>Lea.</i>
<i>An. purpurascens</i> <i>Swain.</i>
<i>U. velum</i> <i>Say.</i>
<i>leptodon</i> <i>Conrad.</i>
<i>planus</i> <i>Conrad.</i> | 39 | obtusus <i>Lea.</i> |
| | | 39 | monodontus <i>Say.</i>
<i>U. soleniformis</i> <i>Lea.</i> |
| | | 39 | Lazarus <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	Unio Aberti Conrad.	40	Unio parallelus Conrad.
40	fervus Conrad.	40	Pequottinus Linsl.
40	metastriatus Conrad.	40	punicus Hald.
40	Mexicanus Phil.	40	purpuratus Say.
Subgenus Margaritana.			
	(SYMPHYNOTE.)	42	Margaritana undulata Lea.
	(a. <i>Plicate.</i>)		<i>Alas. undulata</i> Say.
42	Margaritana complanata 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	Raveneliana Leu.
	(a. <i>Plicate.</i>)	43	radiata Lea.
42	confragosa Lea.		<i>Alas. radiata</i> Conrad.
	<i>Alas. confragosa</i> Say.		<i>Unioopsis radiata?</i> Swain.
	<i>Unio confragosa</i> Desh.	43	calceola Lea.
42	arcula Lea.		<i>Unio calceolus</i> Lea.
42	marginata Lea.		<i>Alas. marginata</i> Say.
	<i>Alas. marginata</i> Say.		<i>truncata</i> Conrad.
	<i>truncata</i> Say.	43	Hildrethiana Lea.
	<i>Unio cariosa</i> Lam. (var. 2.)		<i>Unio Hildrethianus</i> Lea.
	<i>varicosu</i> Lam.		<i>Alas. ambigua?</i> Say.
	<i>calceolus</i> Say.	43	dehiscens Lea.
	<i>Mya regulosa</i> Wood.		<i>Unio dehiscens</i> Say.
	<i>Alas. corrugata</i> De Kay.		<i>oriens</i> Lea.
42	rugosa Lea.	43	margaritifera 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	deltoidea Lea.	44	Holstonia Lea.
42	minor Lea.	44	fabula Lea.
42	Curreyana Lea.		(Unknown.)
		44	Etowaensis Conrad.
Subgenus Anodonta.			
	(SYMPHYNOTE.)	47	Anodonta Benedictensis Lea.
	(a. <i>Smooth.</i>)		<i>Symph. Benedictensis</i> Lea.
47	Anodonta Wahlamatensis		<i>A. cultratus</i> Gould.
	Lea.	47	Nuttalliana Lea.

Page.		Page.	
47	Anodonta Californiensis <i>Lea.</i> (NON-SYMPHYNOTE.) (b. <i>Smooth</i>)	50	Anodonta fluviatilis <i>Lea.</i> <i>Myt. fluviatilis</i> Dill. <i>illitus</i> Soland? <i>A. cataracta</i> Say. <i>marginata</i> Say. <i>teres</i> Conrad. <i>Unio cataracta</i> Desh.
49	Oregonensis <i>Lea.</i> <i>A. cognata</i> Gould.	50	opaca <i>Lea.</i>
49	Pepiniana <i>Lea.</i>	50	Arkansensis <i>Lea.</i>
49	fragilis <i>Lam.</i>	50	glauca <i>Valen.</i> <i>A. glauca</i> Lam. <i>ovatus</i> Swain.
49	Footiana <i>Lea.</i>	50	ovata <i>Lea.</i>
40	undulata <i>Say.</i> <i>Anodon rugosus</i> Swain. <i>Anodonta Pennsylvanica</i> <i>Lam.</i>	50	plana <i>Lea.</i> <i>A. declivis</i> Conrad.
	<i>Unio undulata</i> Desh.	50	decora <i>Lea.</i>
	<i>Alas. marginata</i> Küst.	50	Harpethensis <i>Lea.</i>
	<i>Strophitus undulatus</i> Stim.	50	gigantea <i>Lea.</i>
49	Wardiana <i>Lea.</i> <i>A. virgata</i> Conrad.	50	subvexa <i>Conrad.</i>
40	edentula <i>Lea.</i> <i>Alas. edentula</i> Say. <i>An. areolatus</i> Swain. <i>unadilla</i> De Kay.	51	Stewartiana <i>Lea.</i>
50	pavonia <i>Lea.</i>	51	virens <i>Lea.</i>
50	Ferussaciana <i>Lea.</i> <i>Alas. Ferussaciana</i> Küst.	51	gibbosa <i>Say.</i> <i>A. inflata</i> Major Leconte's cabinet.
50	denigrata <i>Lea.</i>	51	Couperiana <i>Lea.</i>
50	oblita <i>Lea.</i>	51	grandis <i>Say.</i> <i>A. corpulenta</i> Coop.
50	argentea <i>Lea.</i>	51	tetragona <i>Lea.</i>
50	ferruginea <i>Lea.</i>	51	Shaefferiana <i>Lea.</i>
50	salmonia <i>Lea.</i>	51	suborbiculata <i>Say.</i>
50	imbecilis <i>Say.</i> <i>A. incerta</i> <i>Lea.</i>	51	Linnæana <i>Lea.</i>
50	implicata <i>Say.</i> <i>A. Newtonensis</i> <i>Lea.</i> <i>excurvata</i> De Kay.	51	cylindracea <i>Lea.</i>
		51	subcylindracea <i>Lea.</i>
		51	Buchanensis <i>Lea.</i>
		52	angulata <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	Anodonta impura <i>Say.</i>	53	Anodonta placitus <i>Hald.</i>
53	lugubris <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	<i>Alasmodonta atropurpureum Raf.?</i>	57	<i>Unio depressa Raf.?</i>
57	<i>badium Raf.?</i>	57	<i>diploderma Raf.?</i>
57	<i>costata Raf.?</i>	57	<i>diaphanus Raf.?</i>
57	<i>hians Raf.?</i>	57	<i>dilatata Raf.?</i>
57	<i>ponderosum Raf.?</i>	57	<i>ellipsaria Raf.?</i>
57	<i>papyraceum Raf.?</i>	57	<i>elliptica Raf.?</i>
57	<i>rugosum Raf.?</i>	57	<i>fasciata Raf.?</i>
57	<i>sulcatum Raf.?</i>	57	<i>fulvus Raf.?</i>
57	<i>scriptum Raf.?</i>	57	<i>fontinalis Raf.?</i>
57	<i>viridis Raf.?</i>	57	<i>fulgens Raf.?</i>
57	<i>Anodonta atra Raf.?</i>	57	<i>fasciola Raf.?</i>
57	<i>aperta Raf.?</i>	57	<i>fasciolaris Raf.?</i>
57	<i>cuneata Raf.?</i>	57	<i>flava Raf.?</i>
57	<i>digonota Raf.?</i>	57	<i>flexuosa Raf.?</i>
57	<i>inflata Raf.?</i>	57	<i>flexus Raf.?</i>
57	<i>lata Raf.?</i>	57	<i>fragilis Raf.?</i>
57	<i>Ohiensis Raf.?</i>	57	<i>gibbosa Raf.?</i>
57	<i>solenoides Raf.?</i>	57	<i>granulatus Raf.?</i>
57	<i>Unio antrosa Raf.?</i>	57	<i>interrupta Raf.?</i>
57	<i>atroviolacea Raf.?</i>	57	<i>lateralis Raf.?</i>
57	<i>argyratus Raf.?</i>	57	<i>latissima Raf.?</i>
57	<i>attenuata Raf.?</i>	57	<i>leptodon Raf.?</i>
57	<i>aurata Raf.?</i>	57	<i>lævigata Raf.?</i>
57	<i>bicolor Raf.?</i>	57	<i>lamobrachys Raf.?</i>
57	<i>bullata Raf.?</i>	57	<i>lineolata Raf.?</i>
57	<i>biloba Raf.?</i>	57	<i>lividus Raf.?</i>
57	<i>cardium Raf.?</i>	57	<i>megaptera Raf.?</i>
57	<i>Cliffordiana Raf.?</i>	58	<i>montanus Raf.?</i>
57	<i>calendis Raf.?</i>	58	<i>melaplata Raf.?</i>
57	<i>chloris Raf.?</i>	58	<i>nervosa Raf.?</i>
57	<i>castaneus Raf.?</i>	58	<i>nigra Raf.?</i>
57	<i>costata Raf.?</i>	58	<i>nodulata Raf.?</i>
57	<i>crassa Raf.?</i>	58	<i>obliquata Raf.?</i>
57	<i>cinerescens Raf.?</i>	58	<i>obovalis Raf.?</i>
57	<i>cordata Raf.?</i>	58	<i>olivaria Raf.?</i>
57	<i>cuneata Raf.?</i>	58	<i>ovata Raf.?</i>
57	<i>cyclips Raf.?</i>	58	<i>Paphos Raf.?</i>
57	<i>cuprea Raf.?</i>	58	<i>pachostea Raf.?</i>
57	<i>cyphia Raf.?</i>	58	<i>ponderosus Raf.?</i>
57	<i>decorticata Raf.?</i>	58	<i>pallida Raf.?</i>
		58	<i>plateolus Raf.?</i>

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

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

GENUS **MARGARITA.**

Subgenus **Unio.**

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

Page.		Page.	
13	Unio pliciferus <i>Lea.</i>	17	Unio varicosus <i>Lea.</i>
13	subtentus <i>Say.</i>		<i>U. cicatricosus?</i> <i>Say.</i>
13	Conradicus <i>Lea.</i>	17	perplexus <i>Lea.</i>
14	acutissimus <i>Lea.</i>		<i>U. gibbosus?</i> <i>Raf.</i>
	(b. <i>Nodulosus.</i>)		<i>gibbosus</i> <i>Conrad.</i>
14	lachrymosus <i>Lea.</i>	17	tuberculatus <i>Barnes.</i>
14	asperrimus <i>Lea.</i>	17	cylindricus <i>Say.</i>
	<i>U. quadrulus</i> <i>Say.</i>		<i>U. naviformis</i> <i>Lam.</i>
14	fragrosus <i>Conrad.</i>		(c. <i>Spinosus.</i>)
15	Phillipsii <i>Conrad.</i>	17	spinosus <i>Lea.</i>
15	pustulatus <i>Lea.</i>		(d. <i>Smooth.</i>)
15	Schoolcraftensis <i>Lea.</i>	18	arcæformis <i>Lea.</i>
	<i>U. prasinus</i> <i>Conrad.</i>		<i>U. nexus</i> <i>Say.</i>
15	apiculatus <i>Say.</i>	18	triangularis <i>Barnes.</i>
15	asper <i>Lea.</i>		<i>U. formosus</i> <i>Lea.</i>
15	stapes <i>Lea.</i>		<i>cuneatus</i> <i>Swain.</i>
15	metanever <i>Lea.</i>	18	elegans <i>Lea.</i>
	<i>U. metanevra</i> <i>Raf.</i>	18	donaciformis <i>Lea.</i>
	<i>nodosus</i> <i>Barnes.</i>	18	zigzag <i>Lea.</i>
	<i>rugosus</i> <i>Barnes.</i>	18	heterodon <i>Lea.</i>
	<i>metanevrus</i> <i>Conrad.</i>	19	penitus <i>Conrad.</i>
15	cornutus <i>Barnes.</i>	19	securis <i>Lea.</i>
	<i>U. reflexa?</i> <i>Raf.</i>		<i>U. depressa</i> <i>Raf.</i>
	<i>reflexus</i> <i>Conrad.</i>	19	camelus <i>Lea.</i>
15	pustulosus <i>Lea.</i>	19	ovatus <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	turgidus <i>Lea.</i>	19	subovatus <i>Lea.</i>
	<i>U. Mortoni</i> <i>Conrad.</i>	19	crassidens <i>Lam.</i>
16	Cooperianus <i>Lea.</i>		<i>U. cuneatus</i> <i>Barnes.</i>
16	verrucosus <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	carbonarius <i>Lea.</i>
	<i>verrucosus purpureus</i>	20	gibber <i>Lea.</i>
	<i>Hild.</i>	20	pumilis <i>Lea.</i>
	<i>tuberculatus</i> <i>Conrad.</i>	20	rubiginosus <i>Lea.</i>
16	nodulosus <i>Lea.</i>	20	Barnesianus <i>Lea.</i>
	<i>Mya nodulosa</i> <i>Wood.</i>	20	pileus <i>Lea.</i>
16	irroratus <i>Lea.</i>	20	Sowerbianus <i>Lea.</i>
	<i>U. verrucosus albus</i> <i>Hild.</i>	20	solidus <i>Lea.</i>
16	dromas <i>Lea.</i>	20	obliqua <i>Lam.</i>
17	Æsopus <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. | <i>U. mytiloides</i> Eat. | Page. | <i>U. ligamentina</i> Desh. |
| | <i>undulatus</i> Desh. | 24 | Unio perovalis Conrad. |
| | <i>cordatus?</i> Raf. | 24 | capsæformis Lea. |
| | <i>cordatus</i> Conrad. | 24 | Greenii Conrad. |
| 21 | Unio pyramidatus Lea. | 24 | pictus Lea. |
| | <i>U. rubra?</i> Raf. | 24 | tæniatus Conrad. |
| | <i>mytiloides</i> Conrad. | 24 | interruptus Lea. |
| 11 | mytiloides Raf. | 24 | venustus Lea. |
| | <i>Mya obliqua</i> Wood. | 24 | crassus Say. |
| 21 | Troostensis Lea. | | <i>U. ellipticus</i> Barnes. |
| | <i>U. trabalis</i> Conrad. | | <i>carinatus</i> Barnes. |
| 21 | Taitianus Lea. | | <i>ligamentina</i> Lam. |
| 21 | cor Conrad. | | <i>Mya gravis</i> Wood. |
| 21 | decisus Lea. | | <i>U. fasciatus</i> Conrad. |
| 22 | clavus Lam. | 25 | orbiculatus Hild. |
| | <i>U. scalenia</i> Raf. | | <i>U. abruptus</i> Say. |
| | <i>modioliformis</i> Say. | | <i>crassus</i> Conrad. |
| 22 | patulus Lea. | 25 | Hydianus Lea. |
| 22 | Ravenelianus Lea. | 25 | luteolus Lam. |
| 22 | sulcatus Lea. | | <i>U. siliquoides</i> Barnes. |
| | <i>U. ridibundus</i> Say. | | <i>inflatus</i> Barnes. |
| 22 | Haysianus Lea. | 25 | pulcher Lea. |
| 22 | ellipsis Lea. | 25 | radiatus Lam. |
| 22 | castaneus Lea. | | <i>U. Virginiana</i> Lam. |
| 22 | Tampicoensis Lea. | | <i>Mya radiata</i> Gmel. |
| 23 | Lecontianus Lea. | | <i>oblongata</i> Wood. |
| 23 | perdix Lea. | | <i>pictorum tenuis</i> Chem. |
| 23 | pectorosus Conrad. | 26 | Medellinus Lea. |
| 23 | ventricosus Barnes. | 26 | notatus Lea. |
| 23 | occidens Lea. | 26 | Vauxemensis Lea. |
| | <i>U. ventricosus</i> Say. | 26 | Nashvillianus Lea. |
| 23 | globosa Lea. | 26 | Zeiglerianus Lea. |
| | <i>Symph. globosa</i> Lea. | 26 | lienosus Conrad. |
| | <i>U. capax?</i> Green. | 26 | obscurus Lea. |
| 23 | ochraceus Say. | 27 | Cumberlandianus Lea. |
| | <i>Symph. ochracea</i> Lea. | 27 | vibex Conrad. |
| 23 | splendidus Lea. | 27 | Muhlfeldianus Lea. |
| 23 | cariosus Say. | 28 | creperus Lea. |
| | <i>U. cariosa</i> Lam. | 28 | glaber Lea. |
| | <i>ovata</i> Valen. | 28 | Hildrethianus Lea. |
| | <i>luteola</i> Conrad. | | <i>Alas. ambigua?</i> Say. |
| 24 | perovatus Conrad. | 28 | fabalis Lea. |
| 24 | artilis Conrad. | | <i>U. capillus</i> Say. |
| 24 | multiradiatus Lea. | | <i>lapillus</i> Say. |
| | <i>U. fasciola?</i> Raf. | 28 | parvūs Barnes. |
| | <i>fasciolus</i> Conrad. | | <i>U. parvus</i> Conrad. |

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

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

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

Page.		Page.	
41	Unio Grœnlandicus Schröt.	41	Unio oviformis Conrad.
41	purpuratus Say.	41	furvus Conrad.

Subgenus **Margaritana.**

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

Subgenus **Anodonta**.

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

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

Page.		Page.	
54	Anodonta imbecilis Say.	54	Anodonta impura Say.
54	lugubris 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*.

Unio Dorfeuillianus Lea.	Anodonta Nuttalliana Lea.
graniferus Lea.	Wahlamatensis Lea.
Rangianus Lea.	Oregonensis Lea.
Menkianus Lea.	pavonia Lea.
discus Lea.	Newtonensis Lea.
contradens Lea.	

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	<i>Unio asperrimus</i> Lea.	Otter creek, lat. 34° 35' N.,
242	—————	long. 100° W.
243	<i>tuberculatus</i> Barnes.	Otter creek.
243	<i>anodontoides</i> Lea.	Otter creek.
243	<i>parvus</i> Barnes.	Otter creek.
243	<i>Hydianus</i> Lea.	Fort Washita.
243	<i>lævissimus</i> Lea.	Otter creek?
243	<i>gracilis</i> Barnes.	Otter creek.
243	<i>Cyclas distorta</i> Prime.	Otter creek.
243	<i>Bulimus liquabilis</i> Reeve.	Otter creek.
243	<i>Physa ancillaria</i> Say.	Otter creek.
244	<i>heterostropha</i> Say.	Otter creek.
244	<i>Limnæa caperata</i> Say.	One day from Cache creek.
244	<i>Planorbis lentus</i> Say.	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	<i>Unio anodontoides</i> Lea.	Little Wichita, &c.
244	<i>rugosus</i> Barnes.	Little Wichita.
245	<i>siliquoides</i> Barnes.	Near Otter creek.
245	<i>lævissimus</i> Lea.	Otter creek.
245	<i>Anodonta imbecillis</i> Say.	Beaver creek, &c.
245	<i>Planorbis trivolvis</i> Say.	
245	<i>Physa gyrina</i> Say.	Beaver cr., Choctaw nation.
245	<i>Succinea avara</i> Say.	Otter cr., Choctaw nation.
245	<i>Cyclas partumeia</i> Say.	Otter and Beaver creeks.
245	<i>Bulimus dealbatus</i> Say.	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.	21	<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>Næra pellucida</i> St. (fig. 13.)
20	<i>aculeata</i> Gmelin.	22	<i>Panopæa Norvegica</i> Lovén.
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>Calyptrea 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 cinerea</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> Midd.
23	<i>Littorina rudis</i> Gould.	24 <i>pygmæum</i> Stimp.
23	<i>litoralis</i> F. & H.	24 <i>clathratum</i> Müll.
23	<i>Lacuna vineta</i> Turton.	24 <i>Fasciolaria ligata</i> Michels.
23	<i>Rissoa eburnea</i> Stimp.	24 <i>Columbella rosacea</i> Stimp.
23	<i>aculeus</i> Stimp.	24 <i>dissimilis</i> Stimp.
23	<i>Mighelsii</i> Stimp.	24 <i>Mangelia turricula</i> F. & H.
23	<i>pelagica</i> Stimp.	24 <i>pyramidalis</i> Stimp.
23	<i>Turritella costulata</i> Michels.	24 <i>cancellata</i> Stimp.
23	<i>erosa</i> Couth.	25 <i>decussata</i> Stimp.
23	<i>acicula</i> Stimp.	25 <i>Bulla hiemalis</i> Couth.
23	<i>Aporrhais occidentalis</i> Beck.	25 <i>triticea</i> Couth.
23	<i>Scalaria Grœnlandica</i> Gould.	25 <i>pertenuis</i> Michels.
23	<i>Menestho albula</i> Müll.	25 <i>debilis</i> Gould.
23	<i>Chemnitzia nivea</i> Stimp.	25 <i>Philine lineolata</i> Stimp.
24	<i>Natica flava</i> Gould.	25 <i>Canthopsis Havardiensis</i> Agassiz.
24	<i>heros</i> Say.	25 <i>Eolis farinacea</i> Gould, MS.
24	<i>triseriata</i> S.	25 <i>stellata</i> Stimp. (n. sp.)
24	<i>Grœnlandica</i> Beck.	25 <i>purpurea</i> Stimp. (n. sp.)
24	<i>immaculata</i> Totten.	26 <i>diversa</i> Couth.
24	<i>clausa</i> Brod. & Sowb.	26 <i>Mananensis</i> Stimp.
24	<i>Velutina haliotoides</i> Müll.	26 <i>Doto coronata</i> Lovén.
24	<i>zonata</i> Gould.	26 <i>Dendronotus arborescens</i> A. & H.
24	<i>Lamellaria perspicua</i> Lovén.	26 <i>Ancula sulphurea</i> Stimp.
24	<i>Admete viridula</i> Stimp.	26 <i>Doris planulata</i> St. (fig. 14.)
24	<i>Trichotropis borealis</i> Br. & S.	26 <i>pallida</i> Agassiz.
24	<i>Purpuralapillus</i> Lam. [Sowb.]	27 <i>Loligo Bartramii</i> (?) Les.
24	<i>Nassa trivittata</i> S.	
24	<i>Buccinum undatum</i> L.	
24	<i>Tritonium Islandicum</i> Lovén.	

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

April, 1854.

117	iii	17	<i>angulata</i> Anthony.	Tennessee.
118	iii	18	<i>tabulata</i> Anthony.	Tennessee.

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

Anthony.—Descriptions of new species of *Ancylus* 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	<i>Ancylus elatior</i> Anthony.	Green river, Ky.
158	v	22-23	<i>Anculosa ampla</i> Anthony.	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	<i>Helix Elliotti</i> Redfield.	Georgia and N. C.
171	ix	4-7	<i>barbigera</i> Redfield.	Habersham Co., Ga.

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

Page		Page.	
338	<i>Unio anodontoides.</i>	338	<i>Unio circulus.</i>
338	<i>asperrimus.</i>	338	<i>globosus.</i>
338	<i>cylindricus.</i>	338	<i>glais.</i>

Page		Page	
338	Unio hydranus.	338	Unio rectus.
338	heros.	338	siliquoides.
338	inflata.	338	subovatus.
338	lens.	338	trapezoides.
338	Mississippiensis.	338	trigonius.
338	multiplicatus.	338	tuberculatus.
338	nodiferus.	338	Anodonta grandis.
338	nobilis.	338	plana.
338	nasutus.	338	suborbiculatus.
338	nodulatus.	338	decora.
338	obesus.	338	Stewartiana.
338	plicatus.	339	Helix alternata.
338	perplicatus.	339	auriculata.
338	porrectus.	339	fraterna.
338	purpuratus.	339	hirsuta.
338	pustulosus.	339	interna.
338	pustulatus.	339	pulchella.
338	quadrulus.	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	Helix Edwardsi Bland. Fayette or Green Briar Co., Va.
vi	279	ix	11-13	1	3	sculptilis Bland. Anantehely Mountains, N. C.
vi	283	ix	17-20	1	7	fatigiata Say. <i>H. Dorfeuilliana</i> Desh. <i>Texasiana</i> Desh.
vi	288	ix	21-23	1	12	Troostiana 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	Helix Hazardi Bland. <i>Polygyra plicata</i> Say. Troostiana W. G. Binney. <i>H. Texasiana</i> Pfr. <i>Dorfeuilliana</i> Desh. <i>fatigiata</i> Binney.
vi	294	ix	24-26	1	18	Dorfeuilliana Lea. <i>Polygyra Dorfeuilliana</i> Lea. <i>H. fatigiata</i> Binney.
vi	299			1	23	Pennsylvanica Green. <i>H. Mitchelliana</i> Desh.

September, 1858.

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

December, 1858.

vii	26	2	55	Helix auriculata Say (fig.)	St. Augustine, Florida.
vii	30	2	59	avara Say (with a fig.)	St. John's river, Fla.
vii	34	2	63	uvulifera Shuttl. (fig.) <i>H. florulifera</i> Reeve.	Corpus Christi.
vii	35	2	64	Postelliana Bland (fig.)	Ga., various localities.
vii	37	2	66	auriformis 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 Randallii</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>Calyptrea 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>
Chemn. |
| 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>
<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>Ammicola 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>tennis</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>amœna</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>hynorum</i> Drap. |
| 87 | <i>Magellanicus</i> Gmelin. | | |
| 89 | <i>Pleurotoma decussata</i> Couth. | | |
| 90 | <i>violacea</i> Adams. | | |

No.		No.	
132	Planorbis armigerus Say.	146	Helix arborea Say.
133	bicarinatus Say.	147	cellaria.
134	campanulatus Say.	148	electrina Gould.
135	deflectus Say.	149	fraterna Say.
136	exacutus Say.	150	harpa Say.
137	lentus Say.	151	hortensis Müll.
138	parvus Say.	152	labyrinthica Say.
139	trivolvus Say.	153	lineata Say.
140	Unio complanatus Sol.	154	pulchella Müll.
141	ochraceus Say.	155	striatella Anth.
142	radiatus Say.	156	Pupa contracta Say.
		157	curvidens Gould.
		158	Gouldii.
		159	modesta Say.
	LAND SHELLS.	160	Succinea campestris Say.
143	Bulimus lubricus Müll.	161	ovalis Say.
144	Helix albolabris Say.	162	Vitrina pellucida Drap.
145	alternata 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	Unio abruptus Say. <i>U. orbiculatus</i> Hildreth.	11	Unio cornutus Barnes.
2	Æsopus Green.	12	crassus Say. <i>U. ellipsaria</i> Raf.
3	alatus Say. <i>U. megaptera</i> Raf.		<i>ellipticus</i> Barnes.
4	anodontoides (rare) Lea. <i>U. teres</i> Raf.		<i>carinatus</i> Barnes.
5	catillus (rare) Conrad. <i>U. coccineus</i> Hildreth. <i>Gouldianus</i> (wh'enaere)	13	cylindricus Say. <i>U. naviformis</i> Lam. <i>solenoides</i> Raf.
6	cicatricosus Say. [Ward. <i>U. varicosus</i> Lea.	14	cuneatus Barnes. <i>U. nigra</i> Raf.
7	circulus Lea. <i>U. lens</i> Lea. <i>subrotunda</i> Raf.	15	dehiscens Say. <i>U. oriens</i> Lea.
8	clavus Lam. <i>U. scalenia</i> Raf. <i>patulus</i> Lea.	16	donaciformis Lea. <i>U. zig-zag</i> Lea.
9	compressus Lea. <i>Symphonata compressa</i> Lea.	17	ebenus Lea.
10	Cooperianus Lea.	18	elegans Lea.
		19	ellipsis Lea.
		20	flavus Raf. <i>U. rubiginosus</i> Lea. <i>trigonis</i> Lea.

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

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

No.		No.	
6	Melania Virginica Say.	2	Paludina decisa Say.
7	<i>virgata</i> Lea.	3	<i>integra</i> Say.
1	Anculosa costatus Anthony.	4	<i>subcarinata</i> Say.
2	<i>integra</i> Say.	1	Cyclas similis .
3	<i>prærorsa</i> Say. [Clark.	2	<i>rhomboidea</i> .
1	Paludina Cincinnatiensis	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	Helix fidelis Gray.	113	Helix œruginosa Gould.
	<i>H. Nuttalliana</i> Lea.	114	Dupetithouarsi Deshayes.
112	<i>infumata</i> Gould.		<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	Cyclas sulcata Lam.	4	Cyclas striatina Lam.
	<i>C. Saratogea</i> Lam.		<i>C. edentula</i> Say.
	<i>similis</i> Say.		<i>modesta</i> Prime.
4	<i>Cyclas cornea</i> Lam., No. 2 = C. partumia .		
4	<i>Cyclas cornea</i> Lam., No. 3 = C. rhomboidea .		

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

Page.	
84	<i>Melania armigera</i> Say
84	<i>Duttoniana</i> Lea } = <i>Pleurocera</i> Raf.
84	<i>cutenoïdes</i> Lea }
84	Pleurocera (<i>Io</i>). (Description of animal).
84	<i>Io spinosa</i> Lea = Pleurocera fluvialis Say.
84	<i>Io tenebrosa</i> Lea = Pleurocera fluvialis Say.
89	Ampullaria . (Animal described.)
90	Physidæ . (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	Columbella spirantha 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	Unio alasmodontinus Barnes.	Scioto river & tributaries.
4	2	alatus Say.	Scioto river.
4	3	Bourneianus Lea.	Scioto river.
4	4	cuneatus Barnes.	Scioto river.
4	5	coccineus Hild.	Scioto river.
4	6	cicatricosus Say.	Scioto river.
4	7	cylindricus Say.	Scioto river.
4	8	crassus Say.	Scioto river.
4	9	circulus Lea.	Scioto river.
		<i>U. lens</i> Lea (young).	
4	10	clavus Lam.	Scioto river.
		<i>U. patulus</i> Lea (young).	
4	11	cornutus Barnes.	Scioto river.
4	12	donaciformis Lea.	Scioto river.
4	13	elegans Lea.	Scioto river.
4	14	ellipsis Lea.	Scioto river.
4	15	Gouldianus Ward.	Scioto river.
4	16	gibbosus Barnes.	Scioto river.
		var. <i>U. arctior</i> Lea.	
4	17	gracilis Barnes.	Scioto river.

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

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

Page.	No.	Name.	Locality.
7	102	Pupa contracta Say.	Moist places.
7	103	exigua Say.	Moist places.
7	104	fallax Say.	Rocky places.
7	105	vata Say.	Moist places.
7	106	pentodon Say.	Moist places.
7	107	rupicola Gould.	Moist places.
7	108	Helix albolabris Say.	Dry ridges, rocky places.
7	109	alternata Say.	Dry ridges, &c.
7	110	arborea Say.	Dry woodlands.
7	111	chersina Say.	Moist places.
7	112	clausa Say. var. <i>H. Mitcheliana</i> Lea.	Hill-sides, river bottoms.
7	113	concava Say.	Dry ridges, riv. bottoms.
7	114	electrina Gould.	Moist places.
7	115	fallax Say.	Hill-sides, river bottoms.
7	116	fraterna Say.	Hill-sides, river bottoms.
8	117	fuliginosa Griffith.	Rocky places, &c.
8	118	hirsuta Say.	River bottoms, &c.
8	119	hydrophilia Ingalls.	Swamp prairies.
8	120	inflecta Say.	Hill-sides, river bottoms.
8	121	inornata Say.	
8	122	intertexta Say.	Dry woodlands.
8	123	indentata Say.	Woodlands.
8	124	lineata Say.	Moist woodlands.
8	125	Leaii Ward.	Swamp prairies.
8	126	labyrinthica Say.	Moist places.
8	127	liamatula Ward.	Moist woodlands.
8	128	ligera Say. var. <i>H. Wardiana</i> Lea.	Moist woodlands.
8	129	minutissima Lea.	Moist places.
8	130	miniscula Binney.	Moist places.
8	131	monodon Rackett.	Hill-sides.
8	132	multilineata Say.	Swamp prairies.
8	133	palliata Say.	River bottoms.
8	134	perspectiva Say.	Woodlands, dry ridges.
8	135	profunda Say.	Hill-sides, river bottoms.
8	136	Pennsylvanica Green.	Hill-sides, river bottoms.
8	137	pulchella Mulla.	Gardens in the city.
8	138	solitaria Say.	Dry ridges, &c.
8	139	striatella Anthony.	Moist places.
8	140	suppressa Say.	
8	141	tridentata Say.	Rocky places.
8	142	thyroidea Say.	Dry ridges, &c.
8	143	zaleta Say.	Hill-sides, &c.
8	144	Helicina orbiculata 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	<i>Teredo navalis.</i>	191	<i>Cardium Islandicum.</i>
188	<i>Pholas dactylus.</i>	191	<i>pinnulatum.</i>
188	<i>crispata.</i>	191	<i>Cardita borealis.</i>
189	<i>Solen ensis.</i>	191	<i>Nucula limatula.</i>
189	<i>Machæra costata.</i>	191	<i>myalis.</i>
189	<i>Solemya velum.</i>	191	<i>minuta.</i>
189	<i>borealis.</i>	191	<i>sapotilla.</i>
189	<i>Glycimeris siliqua.</i>	191	<i>tenuis.</i>
189	<i>Mya arenaria.</i>	191	<i>proxima.</i>
189	<i>Pandora trilineata.</i>	191	<i>Unio complanatus.</i>
189	<i>Osteodesma hyalina.</i>	191	<i>radiatus.</i>
189	<i>Cochleodesma Leana.</i>	191	<i>nasutus.</i>
190	<i>Thracia Conradi.</i>	191	<i>Anodon fluviatilis.</i>
190	<i>Mactra solidissima.</i>	191	<i>implicata.</i>
190	<i>lateralis.</i>	191	<i>Mytilus edulis.</i>
190	<i>ovalis.</i>	191	<i>pellucidus.</i>
190	<i>Mesodesma arctata.</i>	192	<i>Modiola modiolus.</i>
190	<i>Montacuta bidentata.</i>	192	<i>plicatula.</i>
190	<i>Kellia rubra.</i>	192	<i>discrepans.</i>
190	<i>Saxicava distorta.</i>	192	<i>glandula.</i>
190	<i>Petricola pholadiformis.</i>	192	<i>Pecten Islandicus.</i>
190	<i>Sanguinolaria fusca.</i>	192	<i>Magellanicus.</i>
190	<i>Tellina tenera.</i>	192	<i>concentricus.</i>
190	<i>Lucina filosa</i> <i>Stimpson.</i>	192	<i>Anomia ephippium.</i>
190	<i>flexuosa.</i>	192	<i>aculeata.</i>
190	<i>Cyclas elegans.</i>	192	<i>squamula.</i>
190	<i>truncata.</i>	192	<i>Terebratula caput-ser-</i>
190	—.		<i>pentis.</i>
190	<i>Pisidium dubium.</i>	192	<i>Chiton fulminatus.</i>
190	<i>pusillum.</i>	192	<i>ruber.</i>
190	<i>minus.</i>	192	<i>albus.</i>
191	<i>Astarte castanea.</i>	192	<i>Emersonianus.</i>
191	<i>sulcata.</i>	192	<i>Lottia testudinalis.</i>
191	<i>quadrans.</i>	192	<i>alveus.</i>
191	<i>Cyprina Islandicus.</i>	192	<i>Dentalium dentale.</i>
191	<i>Cytherea convexa.</i>	192	<i>Cemoria Noachina.</i>
191	<i>Venus mercenaria.</i>	192	<i>Crepidula fornicata.</i>
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	lxix	Helix albolabris Say.	
iv	4	5	lxxii	arborea Say.	
ii	1	6	lxx	tridentata Say.	Middle States.
i	2	6	lxix	alternata Say.	
i	3	6	lxix	glaphyra Say.	Mr. Ord's garden, Phila.
i	7	47	lxix	Limnæa subcarinata Say.	
ii	4	47	lxx	virginica Say.	
ii	5	48	lxx	vivipara Say.	Lakes.
				<i>Helix vivipara.</i>	
ii	6	49	lxx	decisa Say.	
ii	3	45	lxx	catascopium Say.	Delaware river, &c.
			46	jugularis Say.	
i	6	46	lxix	heterostropha Say.	
ii	2	44	lxx	Planorbis trivolvis Say.	Lake Erie.
i	4	44	lxix	bicarinatus Say.	
i	5	45	lxix	parvus Say.	Delaware river.
iv	5	7	lxxii	Odostomia corticaria Say.	
i	8	49	lxix	Unio crassus Say.	Ohio, &c.
			50	plicatus Say.	Lake Erie.
iii	1	50	lxxi	purpureus Say.	Delaware river, &c.
			50	ovatus Say.	Ohio, &c.
iii	2	51	lxxi	cariosus Say.	Delaware & Schuylkill.

NICH. ED.		BINNEY'S ED.		Name.	Locality.
Pl. Fig.	Pl.	Pl.	Fig.		
ii	8	lxx	8	Unio ochraceus Say.	Delaware & Schuylkill.
iv	1	52	lxxii 1	nasutus Say.	Delaware & Schuylkill.
iv	2	52	lxxii 2	alatus Say.	Lake Erie.
iv	3	52	lxxii 3	cylindricus Say.	Wabash river.
iii	3	53	lxxi 3	undulatus Say =	Delaware & Schuylkill.
Monodonta Say (n. g.)					
iii	4	53	lxxi 4	Anodonta cataracta Say.	
iii	5	53	lxxi 5	marginata Say.	
iii	6	54	lxxi 6	undulata Say.	
i	9	54	lxix 9	Cyclas similis Say.	Delaware.
i	10	55	lxix 10	dubia 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 **Hélix** *abolabris* Say.
- 5 *thyroidus* Say.
- 5 *arboreus* Say.
- 6 *tridentata* Say.
- 6 *alternata* Say.
H. radiata Gmel.
Cochlea umbilicata, &c.
- 7 *glaphyra* Say. [Lister.]
- 44 **Planorbis** *trivolvus* Say.
Cochlea trium orbium, &c.
Lister.
- 44 *bicarinatus* Say.
- 45 *parvus* Say.
- 45 **Lymnæa** *catascoplum* Say.
- 46 *jugularis* Say.
- 46 *heterostropha* Say.
- 47 *subcarinata* Say.
- 47 *virginica* Say.
- 48 *vivipara* Linn.
- 49 *decisa* Say.

P. of repr.

- 7 **Odostomia** *corticaria* Say.
- 49 **Unio** *crassus* Say.
- 50 *plicatus* Say.
- 50 *purpureus* Say.
- 50 *ovatus* Say.
- 51 *cariosus* Say.
Musculus latior, &c. List.
- 51 *ochraceus* Say.
- 52 *nasutus* Say.
Musculus fuscus, &c. List.
- 52 *alatus* Say.
- 52 *cylindricus* Say.
- 53 **Monodonta** Say (n. g.)
- 53 *undulatus* Say.
- 53 **Anodonta** *cataracta* Say.
- 53 *marginata* Say.
- 53 *undulata* Say.
- 54 **Cyclas** *similis* Say.
- 55 *dubia* 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	Helix labyrinthica Say.	
7	<i>hirsuta</i> Say.	
7	<i>perspectiva</i> Say.	Lake Erie.
7	<i>lineata</i> Say.	Philadelphia.
7	Polygyra Say (n. g.)	
7	<i>auriculata</i> Say.	Florida.
7	<i>avara</i> Say.	Florida.
7	<i>septemvolva</i> Say.	Georgia and Florida.
7	Oligyra Say (n. g.)	
7	<i>orbiculata</i> Say.	East Florida.
56	Planorbis glabratus Say.	South Carolina.
56	Limnæa columella Say.	
7	Succinea campestris Say.	Georgia and Florida.
7	<i>ovalis</i> Say.	
56	Cyclostoma tricarinata Say.	Delaware river.
56	Ancylus rivularis Say.	
56	Paludina limosa 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	Pupa corticaria Say.	
	(<i>Olostomia</i> Say, 1st edition.)	
7	Polyphemus glans Say.	
56	Alasmodonta 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	Cyrena Carolinensis Bosc.	Georgia, S. C., Florida.
	<i>Cyclus 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	<i>Ocythoë punctata</i> 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	<i>Cyclostoma tricarinata</i> Say.	Delaware river.
13	59	<i>lapidaria</i> Say.	
14	60	<i>Lymnæa columella</i> Say.	
15	8	<i>Succinea ovalis</i> Say.	

June, 1817.—The same concluded.

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

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

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

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

276	10	<i>Polygyra</i> Say (n. g.)	
277	10	<i>auriculata</i> Say.	Florida.
277	11	<i>avara</i> Say.	Florida.
278	11	<i>septemvolva</i> Say.	Florida and Georgia.
280	61	<i>Planorbis glabratus</i> Say.	South Carolina.
281	12	<i>Succinea campestris</i> Say.	East Florida.
282	13	<i>Polyphemus glans</i> Brug.	Louisiana to Georgia.
283	13	<i>Olygyra</i> Say (n. g.)	
283	13	<i>orbiculata</i> 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	Alasmodonta Say. (<i>Monodonta</i> Say, preoc.)	
459	62	marginata Say.	Scioto river.
	62	undulata Say (<i>Monodonta</i> .)	

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

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

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

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

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

Page of Jour.	Page of reprint.	Name.	Locality.
237	80	<i>Fulgur pyruloides</i> Say.	Southern coast.
238	81	<i>Pyrrula papyratia</i> Say.	Ga., E. Fla., W. Indies.
239	81	<i>Turbo irroratus</i> Say.	New Jersey to Florida.
240	81	<i>canaliculatus</i> Say.	Southern coast.
240	82	<i>palliatu8</i> Say.	New England.
241	82	<i>obligatus</i> Say.	Portland, Maine.
241	82	<i>vestita</i> Say.	Maine.
242	83	<i>Scalaria lineata</i> Say.	Southern coast.
243	83	<i>Turritella alternata</i> Say.	
244	84	<i>impressa</i> Say.	Maryland.
244	84	<i>Turritella bisuturalis</i> Say.	Boston.
245	84	<i>Bulla solitaria</i> Say.	Southern coast.
246	84	<i>Melampus bidentatus</i> Say.	East Florida.
246	85	var. <i>lineatus</i> Say.	
247	85	<i>Natica duplicata</i> 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	<i>Theodoxus reclivatus</i> Say.	East Florida.
258	88	<i>Ostrea semicylindrica</i> Say.	Georgia and Florida.
259	88	<i>Pecten concentricus</i> Say.	N. Jersey, N. England.
260	89	var. <i>borealis</i> Say.	New England.
260	89	<i>dislocatus</i> Say.	Southern coast.
261	89	<i>Pandora trilineata</i> Say.	S'n and middle coast.
262	90	<i>Avicula hirundo</i> Say.	S'n coast, W. Indies.
263	90	<i>Mytillus cubitus</i> Say.	
264	91	<i>lateralis</i> Say.	Southern coast.
265	91	<i>hamatus</i> Say.	Gulf of Mexico.
265	91	<i>Modiola Americana</i> Leach (var.)	Southern coast.
266	92	<i>castanea</i> Say.	Southern coast.
267	92	<i>Arca ponderosa</i> Say.	Southern coast.
268	93	<i>pexata</i> Say.	
268	93	<i>incongrua</i> Say.	
269	93	<i>transversa</i> Say.	
270	94	<i>Nucula proxima</i> Say.	Southern coast.
271	94	<i>Venus notata</i> 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	<i>Cytherea occulta</i> Say.	Southern coast.
275	96	<i>Tellina alternata</i> 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	<i>Tellina flexuosa</i> Say.	Southern coast.
303	98	<i>tenera</i> Say.	New Jersey.
304	99	<i>Psammobia?</i> <i>lusoria</i> Say.	Southern States.
305	99	<i>Donax variabilis</i> Say.	Georgia and Florida.
306	99	<i>fossor</i> Say.	N. J. and Maryland.
307	100	<i>Amphidesma orbiculata</i> Say.	Georgia.
307	100	<i>æqualis</i> Say.	Southern coast.
308	101	<i>punctata</i> Say.	Southern coast.
309	101	<i>Mactra similis</i> Say.	New Jersey, &c.
309	101	<i>lateralis</i> Say.	Whole coast.
310	102	<i>oblonga</i> Say.	Georgia.
310	102	<i>Lutraria lineata</i> Say.	Georgia and Florida.
311	102	<i>canaliculata</i> Say.	Maryland to Florida.
312	103	<i>Corbula contracta</i> Say.	Georgia and Florida.
313	103	<i>Mya acuta</i> Say.	Southern coast.
313	103	<i>mercenaria</i> Say.	
314	104	<i>Anatina papyratia</i> Say.	Southern coast.
315	104	<i>Solen costatus</i> Say.	New Jersey.
316	104	<i>centralis</i> Say.	Southern coast.
316	105	<i>viridis</i> Say.	Southern coast.
317	105	<i>Solemya velum</i> Say.	Southern coast.
318	106	<i>Saxicava distorta</i> Say.	Southern coast.
319	106	<i>Petricola fornicata</i> Say.	
320	107	<i>Pholas oblongata</i> 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	<i>Helix irrorata</i> Say.	Northumberland 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	<i>Bulimus multilatus</i> Say.	South Carolina.
374	25	<i>Pupa contracta</i> Say.	Virginia.
375	26	<i>exigua</i> Say.	Harrowgate.
375	26	<i>Vertigo ovata</i> Say.	Harrowgate.
376	27	<i>pentodon</i> Say.	Pennsylvania.
377	27	<i>Melampus obliquus</i> Say.	South Carolina.
378	110	<i>Lymneus humilis</i> Say.	S. C. and Oswego.
378	110	<i>Paludina grana</i> Say.	Pennsylvania.
379	111	<i>Melania catenaria</i> Say.	South Carolina.
380	111	<i>multilineata</i> Say.	Delaware.
380	111	<i>Cyclas rhomboida</i> Say.	Lake Champlain.
380	112	<i>partumeia</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	<i>Modiola opifex</i> Say. Plate xix, fig. 2, a, b; reprint, pl. lxx.	Island of Minorca.

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

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

November, 1825.

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

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

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

Page of Jour.	Page of reprint.	Name.	Locality.
215	124	<i>Patella alternata Say.</i>	East Florida.
216	124	<i>Calyptrea (Dispotæa) striata Say.</i>	New Jersey.
216	124	<i>Venericardia tridentata Say.</i>	South Carolina.
218	125	<i>Tellina intastriata Say.</i>	Florida.
218	126	<i>lateralis Say.</i>	
219	126	<i>decora Say.</i>	Florida.
219	126	<i>Psammobia fusca Say.</i>	Georgia.
220	127	<i>Amphidesma radiata Say.</i>	Georgia and Florida.
221	127	<i>lepida Say.</i>	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 II. 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 Say.</i>	N. W. Territory.
257	xv	2	30	lxxiv	2	<i>porcina Say.</i>	N. W. Territory.
257	xv	3	30	lxxiv	3	<i>fraterna Say.</i>	Pennsylvania.
257	xv	4	30	lxxiv	4	<i>diodonta Say.</i>	New York.
258			31			<i>perspectiva Say.</i>	N. W. Territory.
258			31			<i>arborea Say.</i>	N. W. Territory.
258			31			<i>chersina Say.</i>	N. W. Territory.
258			31			<i>albolabris Say.</i>	Lake Superior.
258			31			<i>alternata Say.</i>	Lake Superior.
258			31			<i>thyroidus Say.</i>	Niagara Falls.
258			31			<i>ligera Say.</i>	N. W. Territory.
258			31			<i>Vitrina pellucida Müll.</i>	Lake Superior.
259			31			<i>Bulimus lubricus Say.</i>	N. W. Territory.
259	xv	5	32	lxxiv	5	<i>Pupa modesta Say.</i>	N. W. Territory.
260	xv	6	32	lxxiv	6	<i>Succinea avara Say.</i>	N. W. Territory.
260	xv	7	32	lxxiv	7	<i>obliqua Say.</i>	Niagara Falls.
261	xv	8	128	lxxiv	8	<i>Planorbis deflectus Say.</i>	N. W. Territory.
262	xv	9	128	lxxiv	9	<i>corpulentus Say.</i>	N. W. Territory.
262			129			<i>campanulatus Say.</i>	Niagara Falls.
262			129			<i>trivolis Say.</i>	N. W. Ter., Nia. F.
262			129			<i>parvus Say.</i>	N. W. Territory.
263			129			<i>armigerus Say.</i>	St. Peter & Red ri.
263			129			<i>bicarinatus Say.</i>	N. W. Territory.
263	xv	10	129	lxxiv	10	<i>Lymneus megasomus Say.</i>	N. W. Territory.
263			130			<i>emarginatus Say.</i>	Lake Namekan.
263			130			<i>elongatus Say.</i>	Rainy la., Seiner.
263			130			<i>desidiosus Say.</i>	Falls of Niagara.
264			130			<i>Physa heterostropha Say.</i>	N. W. Territory.
264	xv	11	130	lxxiv	11	<i>Valvata sincera Say.</i>	N. W. Territory.
264			130			<i>Paludina limosa Say.</i>	N. W. Territory.
264	xiv	2	130	lxxiii	2	<i>Ampullaria depressa Say.</i>	East Florida.
265			131			<i>Melania virginica Say.</i>	Falls of Niagara.
265	xiv	3, 4	131	lxxiii	3, 4	<i>Anodonta gibbosa Say.</i>	South Carolina.

Say.—7. Descriptions of some new Terrestrial and Fluvialile 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 Fluvialile 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. Binney's 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> <i>P. multilineata Say.</i>	St. John's riv., Fla.
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	<i>Melania laqueata</i> Say.	Cumberland river.
18	276	143	<i>obovata</i> Say.	Kentucky river.
18	276	144	<i>integra</i> Say.	Ohio river.
19	227	144	<i>isogona</i> Say.	Bear-grass cr., Louisville.
19	227	144	<i>trilineata</i> Say.	Falls of Ohio.

No. 19.—September 23, 1829.

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

No. 20.—October 7, 1829.

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

No. 21.—October 21, 1829.

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

No. 22.—November 4, 1829.

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

No. 23.—November 18, 1829.

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

In newspaper form.—December 28, 1831.

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

January 15, 1831.

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

January 29, 1831.

13	140	Anodonta imbecillis Say.	
	161	suborbiculata 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.	Name.	Locality.
525	149	Unio interruptus Say.	} See "Amer. Conch." for locality.
526	149	glebulus Say.	
527	149	nexus Say.	
527	149	declivis Say.	
528	149	lapillus Say.	
15	528	37 Helicina occulta 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	Astarte castanea Say. <i>Venus castanea</i> Say.	New Jersey.

P. of repr.	Pl.	Name.	Locality.
151	ii	Pandora trilineata Say.	S'n & middle coast.
152	iii	Oliva literata Lam.	Southern coast.
153	iv	Unio triangularis Barnes. <i>U. cuneatus</i> Sw.	
154	v	sulcatus Lea. <i>U. flagellatus</i> Say MS.	Wabash & Ohio rivs.
154	v	ridibundus Say. var. perplexus .	Cumberland river.
155	vi	monodonta Say.	Wabash & Ohio rivs.
156	vii	Delphinula? laxa Say.	Charleston.
157	viii	Melania nupera Say.	Wabash river.
157	viii	depygis Say.	Ohio river.
158	ix	Lutraria lineata Say. <i>L. papyracea</i> Lam.?	N. Jersey to Florida.
159	x	Paludina decisa Say. <i>Cochlea Virginiana</i> , &c. Lister.	
159	x	vivipara 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	Anodonta suborbiculata Say.	Wabash river.
163	xii	Nucula limatula Say.	Nahant, Mass.
164	xii	lævis Say (fossil).	
164	xii	concentrica Say (fossil).	
33	xiii	Helix albolabris Say. <i>Cochlea Virginiana</i> , &c. Lister.	Canada to S. C.
33	xiii	thyroidus Say. <i>Cochlea umbilicata</i> , &c. Lister. <i>terrestris</i> , &c. Schröter.	
164	xiv	Unio ellipsis Lea.	
165	xv	subtentus Say.	Holstein river, S. C.
165	xvi	undulatus Barnes. <i>U. heros</i> Say.	Fox br. of Wabash.
166	xvii	abruptus Say.	Wabash river.
168	xviii	Solecurtus costatus Say. <i>Solen costatus</i> Say.	Mass. to N. Jersey.
169	xix	Fulgur pyruloides 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		Glandina truncata Gmelin. <i>Buccinum striatum</i> Chemn. <i>Bulla truncata</i> Gmelin. <i>Polyphemus glans</i> Say. <i>Helix rosca</i> Fer. <i>E. flumine</i> , &c. Lister.	S. C., Ga., Fla., Miss.
Part III.—September, 1831.				
171	xxi		Alasmodonta confragosa Say.	Fox br. of Wabash riv., New Orleans.
171	xxii		Unio phaseolus Hildreth. <i>U. cuneatus</i> (var.) Barnes. <i>planulatus</i> Lea.	Wabash river.
173	xxiii		tetralasmus Say.	New Orleans.
173	xxiv		dehiscens Say.	Wabash river.
175	xxv		Sigaretus perspectivus Say.	N. Jersey and South.
176	xxv		maculatus Say.	Southern coast.
177	xxvi		Venus grata Say.	W. coast of Mexico.
179	xxvii		Scalaria clathrus L. <i>Turbo clathrus</i> L. <i>S. communis</i> Lam. <i>clathrus</i> Auct.	
180	xxvii		multistriata Say.	S. Carolina, Florida.
180	xxvii		lineata Say.	Southern coast.
181	xxviii		Amphidesma transversum Say.	Georgia.
182	xxviii		æquale Say.	Charleston, S. C.
183	xxix		Fusus corneus Linn. <i>Murex corneus</i> L. <i>F. Islandicus</i> Martini. <i>Murex Islandicus</i> Gmelin.	New Jersey.
184	xxix		cinereus Say.	Maryland, N. Jersey.
184	xxx	1	Paludina ponderosa Say.	Ohio river.
185	xxx	2	subpurpurea Say.	Fox river.
185	xxx	3, 4	intertexta Say.	New Orleans.
Part IV.—March, 1832.				
187	xxxi	1	Limneus umbrosus Say. <i>L. elongatus</i> Say.	Council Bluff, U. Can.
188	xxxi	2	reflexus Say.	Lake Superior.
188	xxxi	3	elodes Say. <i>L. palustris</i> Lin.?	New York.
188	xxxii		Unio ventricosus Barnes. <i>U. ovatus</i> (var. b) Lam. <i>occidens</i> Lea?	Western waters.
189	xxxiii		interruptus Say.	Bayou Teche.

P. of repr.	Pl	Fig.	Name.	Locality.
190	xxxiv		Unio glebulus Say.	Bayou Teche.
190	xxxv		<i>declivis</i> Say.	Bayou Teche.
192	xxxvi	2	Arca staminea Say (fossil).	
192	xxxvi	1	<i>lienosa</i> Say (fossil).	
35	xxxvii	1	Helix clausa Say.	Western States.
35	xxxvii	2	<i>elevata</i> Say. <i>H. Knoxvilliana</i> Fer.	Western States.
36	xxxvii	3	<i>profunda</i> Say. <i>H. Richardii</i> Lam.	Western States.
192	xxxviii		Siphonaria alternata Say.	East Florida.
193	xxxix		Bullina canaliculata Say. <i>Volvaria canaliculata</i> Say.	South Carolina.
194	xl		Cardita tridentata Say. <i>Venericardia tridentata</i> Say.	South Carolina.
			On page 4 of cover—	
195			Alasmodonta fragosa Say.	Bay. Teche, not N. O.
195			Ampullaria urceus L. <i>A. rugosa</i> Lam.	Doubtful in the Mississippi.

Part V.—August, 1832.

195	xli		Unio lapillus 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		Crepidula plana Say.	New York to Florida.
199	xlv		Modiola papuana d'Arg. <i>Musculus papuanus</i> d'Arg. <i>Modiola papuana</i> Lam.	Maine.
36	xlvi	1-3	Helicina orbiculata Say. <i>Olygyra orbiculata</i> Say.	Florida.
36	xlvi	4-6	<i>occulta</i> Say.	New Harmony, Ind.
199	xlvii	2	Melania Virginica 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	xlviii		Ranella caudata Say.	
201	xlix	1	Cerithium muscarum Say.	Florida.
202	xlix	2	<i>septemstriatum</i> Say.	Florida.
203	xlix	3	<i>ferrugineum</i> Say.	Florida.

P. of repr.	Pl.	Fig.	Name.	Locality.
204	1		Mytilus hamatus Say. <i>M. striatus</i> Barnes.	Gulf of Mexico.
205			On page 4 of cover— <i>Sigaretus perspecticus</i> <i>maculatus</i> } = Cryptostoma.	
205			Unio glebulus Say.	Bayou Teche.
205			Venericardia cribraria Say.	New Jersey.
Part VI.—April, 1834.				
205	li		Unio nexus Say. <i>U. arciformis</i> Lea.	Tennessee.
207	lii		apiculatus Say. <i>U. asper</i> Lea.	New Orleans.
207	liii		quadrulus Raf. <i>U. rugosus</i> Barnes. <i>asperrinus</i> Lea. <i>lachrymosus</i> Lea.	Ohio & N. Orleans.
210	liv	1	Planorbis lentus Say.	N. Orleans & Mexico.
210	liv	2	trivolvus Say. <i>Cochlea</i> &c. Lister.	Canada to Missouri.
210	liv	3	bicarinatus Say. <i>Helix angulatus</i> Rackett.	Canada to Missouri.
211	lv	1	Limneus emarginatus Say.	Canada and Maine.
211	lv	2	catascopium Say.	Penn'a and N. Y.
211	lv	3	decidiosus Say.	N. Y., Pa., and Ind.
213	lvi	1	Pecten Islandicus Müller. <i>Ostrea Islandica</i> Müller. <i>cinnabarina</i> Born. <i>Pealeii</i> Conrad.	Northern coast.
214	lvi	2	dislocatus Say.	South Carolina.
216	lvii	1	Nassa uncinata Say.	South Carolina.
216	lvii	2	vibex Say.	S. Carolina and N. J.
216	lvii	3	acuta Say.	Southern coast.
218	lviii		Ostrea equestris Say.	S. C., Ga., Antilles.
219	lix		Cytherea albaria Say (fossil).	South Carolina.
222	lx	1	Petricola pholadiformis Lam. <i>P. fornicata</i> Say.	Maine to Florida.
222	lx	2	dactylus Sowb. <i>P. flagellata</i> Say.	South Carolina.
222			Cryptostoma Say (n. g.)	
223			perspectivus Say.	
223			maculatus 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	Unio niger Raf. <i>U. cuneatus</i> Barnes.	224	16	Unio truncatus Raf. <i>U. undatus</i> B., var. a. <i>elegans</i> Lea.
223	2	cariosus Say. <i>U. viridis</i> Raf. <i>siliquoides</i> B., var. <i>radiatus</i> ? Gmel.	224	17	interruptus Raf. <i>U. brevidens</i> Lea.
223	3	fasciatus Raf. <i>U. carinatus</i> Barnes.	224	18	lineolatus Raf. <i>U. depressus</i> R., y'ng. <i>securis</i> Lea.
223	4	leptodon Raf. <i>U. planus</i> Barnes. <i>purpureus</i> Sw. <i>tenuissimus</i> Lea.	224	19	ellipsarius Raf. <i>U. ellipticus</i> Barnes. <i>crassus</i> Say.
223	5	fragilis Raf. <i>U. gracilis</i> Barnes.	224	20	fasciolaris 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	nervosus Raf. <i>U. zig-zag</i> Lea. <i>donaciformis</i> Lea.	224	21	verrucosus Raf. <i>U. tuberculatus</i> Bar.
223	7	lævigatus Raf. <i>U. castaneus</i> ? Lea.	224	22	flavus Raf. <i>U. rubiginosus</i> Lea.
223	8	rectus Lam. <i>U. latissimus</i> Raf. <i>pralongus</i> Barnes.	224	23	cyphius Raf. <i>U. Esopus</i> Green.
223	9	dilatatus Raf. <i>U. nasutus</i> Lam. <i>gibbosus</i> Barnes.	224	24	metanevrus Raf. <i>U. nodosus</i> Barnes.
224	10	cylindricus Say. <i>U. naviformis</i> Lam. <i>solenoides</i> Raf.	224	25	reflexus Raf. <i>U. cornutus</i> Barnes.
224	11	cardium Raf. <i>U. ventricosus</i> Barnes. <i>occidens</i> Lea. <i>subovatus</i> Lea, var. <i>capax</i> Green, var.	224	26	retusus Raf. <i>U. stapes</i> ? Lea, var.
224	12	ovatus Say.	224	27	flexuosus Raf. <i>U. pileus</i> Lea?
224	13	fasciolus Raf. <i>U. multiradiatus</i> Lea.	224	28	nodulatus Raf. <i>U. pustulatus</i> Lea.
224	14	alatus Say. <i>U. megapterus</i> Raf.	224	29	quadrulus Raf. <i>U. rugosus</i> Barnes. <i>lachrymosus</i> Lea. <i>asprerrimus</i> Lea.
224	15	triqueter Raf. <i>U. triangularis</i> Bar. <i>cuneatus</i> Sw. <i>formosus</i> Lea, var.	224	30	nodulosus Wood. <i>U. bullatus</i> Barnes. <i>verrucosus</i> B., var.

Page. No.	Name.	Page. No.	Locality.
	<i>U. verrucosus albus</i>	225 44	Unio latus (Anod.) Raf.
	Hildr.		<i>U. dehiscens</i> Say.
	<i>pustulosus</i> Lea.		<i>oriens</i> Lea.
224 31	Unio tuberculatus Raf.	225 45	heros Say.
	<i>U. verrucosus</i> Barnes.		<i>U. undulatus</i> Say.
	<i>verrucosus purpureus</i> Hildr.	225 46	lugubris Say.
	<i>tuberculosis</i> Val.		<i>U. ater</i> Lea.
224 32	subrotundus Raf.		<i>atra</i> Desh.
	<i>U. rotundatus?</i> Lam.	225 47	interruptus Say.
	<i>orbiculatus</i> Hildr.		<i>U. trapezoides</i> Lea.
	<i>circulus</i> Lea.	225 48	apiculatus Say.
	<i>lens?</i> Lea, y'g var.		<i>U. asper</i> Lea.
224 33	obliquatus Raf.	225 49	lapillus Say.
	<i>U. sulcatus</i> Lea.		<i>U. fabulis</i> Lea.
224 34	triangularis Raf.	225 50	monodontus Say.
	<i>U. ellipsis</i> Lea.		<i>U. soleniformis</i> Lea.
224 35	scalenius Raf.	225 51	metallicus Say.
	<i>U. decisis?</i> Lea, var.		<i>U. cuprinus</i> Lea.
224 36	obovalis Raf.	225 52	nexus Say.
	<i>U. ebenus</i> Lea.		<i>U. arcaformis</i> Lea.
224 37	stegarius Raf.	225 53	politus nob.
	<i>U. irroratus</i> Lea.		<i>U. subrotundus</i> Lea
224 38	mytiloides Raf.		(not Raf.)
	<i>U. cardiacea</i> Say of Guérin.	225 54	cicatricosus Say.
	<i>pyramidatus</i> Lea.		<i>U. varicosus</i> Lea.
225 39	cuneatus Raf.	225 55	plicatus Say.
	<i>U. patulus</i> Lea.		<i>U. variplicatus</i> Lam.
225 40	gibbosus Raf.	225 56	parvus Barnes.
	<i>U. perplexus.</i>		<i>U. glans?</i> Lea, var.
225 41	costatus Raf.	225 57	undatus Barnes.
	<i>U. peruvianus?</i> Lam.		<i>U. trigonus</i> Lea.
	<i>undulatus</i> Barnes.	225 58	subrostratus Say.
225 42	teres Raf.		<i>U. iris</i> Lea.
	<i>U. anodontoïdes</i> Lea.	225 1	Alasmodonta marginata
225 43	Ohioensis (Anod.) Raf.		Say.
	<i>Symph. lrvissimus</i> Lea.	225 2	costata Raf.
	<i>inflatus?</i> Lea, var.		<i>A. rugosa</i> Barnes.
		225 3	complanata Barnes.
P. of repr.	Name.		
	On page 4 of cover—		
225	Pecten varius Linn.		Northern coast.
225	<i>Helix irrorata</i> Say = H. lactea Müll.		

P. of repr.	Pl.	Fig.	Name.	Locality.
225			<i>Melania acuta</i> Lea = M. semicarinata Say.	
226			<i>Valvata arenifera</i> Lea = Phrygania .	
226			<i>Carocolla heicoides</i> Lea } = Helix palliata (var. a) Say.	
226			<i>Helix denotata</i> Fer. }	
226			<i>Carolinensis</i> Lea = H. appressa (var. a) Say.	
226			<i>Melania tuberculata</i> Lea = M. stygia Say.	
226			<i>elongata</i> Lea = M. elevata 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	Donax variabilis Say.	Georgia and Florida.
226	lxi	2	fossor Say.	N. J. and Maryland.
226	lxii		Cyrena Carolinensis Say.	S. C., Fla., Ala., Ga.
			<i>Cyclas Carolinensis</i> Bosc.	
226	lxiii		Venus alveata Conrad (fossil).	Charleston.
			<i>V. paphia</i> Lam. ?	
227	lxiv	1	Tellina brevifrons Say.	South Carolina.
228	lxiv	2	mera Say.	South Carolina.
228	lxv	1	alternata Say.	S. C., Ga., and Fla.
228	lxv	2	polita Say.	S. C. and Florida.
228	lxv	3	tenta Say.	South Carolina.
229	lxiv	3	tenuis Da Costa.	Charleston.
			<i>T. levis</i> Lister.	
229	lxvi		Arca zebra Swainson.	Florida.
230	lxvii		Unio truncatus Raf.	Western waters.
			<i>U. elegans</i> Lea.	
230	lxviii		lineolatus Raf.	Ohio, Alabama, and
			<i>U. depressa</i> Raf.	Bl. Warrior rivers.
			<i>securis</i> Lea.	
231			Venus cingenda Dillw.	
			<i>V. cancellata</i> Lam.	
			<i>elevata</i> Conrad.	
231			Chiton apiculatus 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	Pisidium abditum <i>Hald.</i> <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	Pisidium Steenbuchi <i>Morch.</i> <i>Cyclas Steenbuchi</i> Möll.
		102	tenellum <i>Gould.</i> <i>P. rubellum</i> Prime.
		102	variabile <i>Prime.</i> <i>P. grande</i> Whitt. MS.
		102	ventricosum <i>Prime.</i>
		102	Virginicum <i>Byt.</i> <i>Tellina Virginica</i> Gmel. <i>pusilla</i> (pars) Dillw. <i>Cyclas Virginica</i> Fer. <i>dubia</i> Say. <i>dubiosa</i> Say. (<i>Plysemoda</i>) <i>xqualis</i> Raf. <i>P. abruptum</i> Hald. <i>dubium</i> Hald. <i>xquale</i> Raf.
95	Adamsi <i>Prime.</i> <i>Cyclas nitida</i> Migh.		
97	compressum <i>Prime.</i> <i>Cyclas utilis</i> Anth. <i>P. altile</i> Anth.		
98	equilaterale <i>Prime.</i>		
98	ferrugineum <i>Prime.</i>		
100	Novi-Eboraci <i>Prime.</i>		
101	rotundatum <i>Prime.</i>		

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	Murex foliatus <i>Gmelin.</i> <i>M. monodon</i> Esch. <i>Cerastoma monodon</i> Carp. <i>foliatum</i> Carp.	369	Triton Oregonense <i>Reef.</i> <i>Tritonium (Buccinum) cancellatum</i> Midd. <i>Fusus Oregonensis</i> Reeve. <i>cancellatus</i> Reeve. <i>Triton cancellatum (Oregonense)</i> Carp.
369	festivus <i>Hinds.</i> <i>Pteronotus festivus</i> Carp.		

- | Page. | | Page. | |
|-------|---|-------|---|
| 370 | Crysdomus antiquus
<i>Swainson?</i> Carp.
<i>Murex antiquus</i> Linn.
<i>Fusus antiquus</i> Lam.
<i>Tritonium (Fusus) antiquum</i>
Midd.
var. <i>Behringiana</i> Midd. | 374 | Turritella Eschrichtii Midd. |
| 370 | Middendorffii Cooper.
<i>Tritonium (Fusus) decem-</i>
<i>costatum</i> Midd., nec Say. | 374 | Littorina rudis Gould.
<i>L. Barclayana?</i> Hinds. |
| 371 | sitchensis Carp. [Midd.
<i>Tritonium (Fusus) sitchense</i> | 374 | scutulata Gould. |
| 371 | Nassa mendica Gould. | 374 | planaxis Nutt. |
| 371 | Gibbsii Cooper (n. sp.) | 375 | Trochus filorus Wood.
<i>T. ligatus</i> Gould.
<i>modestus</i> Midd.? |
| 371 | Purpura lactuca Esch.
<i>Murex lactuca</i> Esch.
<i>ferrugineus</i> Esch.
<i>P. septentrionalis</i> Reeve.
<i>Muricidia lactuca</i> Carp. | 375 | schantaricus Midd. |
| 372 | ostrina Gould. [Desh.
<i>P. Freycinetii</i> Midd., non
<i>decemcostata</i> Midd. | 375 | Haliotis Kamtschatkiana
<i>Jonas.</i> |
| 372 | lapillus Linn. | 375 | Fissurella nigropunctata |
| 372 | emarginata Desh.
<i>P. Conradi</i> Nutt. | 375 | aspera Esch. [Sowb.
<i>F. cratilia</i> Gould?
<i>denseclathrata</i> Reeve? |
| 372 | Monoceros engonatum Con.
<i>Purpura (Monoceros) engo-</i>
<i>nata</i> Conr.
<i>M. unicarinum</i> Reeve. | 376 | Nacella instabilis Carp.? |
| 373 | lapilloides Conr.
<i>M. punctatum</i> Gray. | 376 | Acmæa pelta Carp.? |
| 373 | Columbella gausapata Gld. | 376 | persona Carp.? |
| 373 | valga Gould. | 376 | spectrum Carp.? |
| 373 | Natica Lewisii Gould.
<i>N. herculea</i> Midd. | 376 | scabra Carp.? |
| 373 | Potamis pullatus Gould.
<i>Cerithidæ pullata</i> Carp. | 376 | ærginosa Carp.? |
| 374 | Melania plicifera Lea. | 376 | Scurria mitra Carp.? |
| 374 | silicula Gould. | 376 | Chiton muscosus. |
| 374 | shortænsis Lea. | 376 | submarmoreus. |
| 374 | Amnicola Nuttalliana Lea.
<i>Paludina Nuttalliana</i> Lea. | 376 | tunicatus. |
| 374 | seminalis Hinds.
<i>Paludina seminalis</i> Hinds.
<i>Bithinia seminalis</i> Carp. | 376 | lignosus. |
| | | 376 | Helix fidelis Gray.
<i>H. Nuttalliana</i> Lea. |
| | | 376 | Townsendiana Lea. |
| | | 376 | Columbiana Lea.
<i>H. labiosa</i> Gould. |
| | | 377 | Vancouverensis Lea. |
| | | 377 | devia Gould.
<i>H. Baskervillei</i> Pfr. |
| | | 377 | tudiculata Binney. |
| | | 377 | Succinea Nuttalliana Lea. |
| | | 377 | Limax Columbianus Gould. |
| | | 378 | Lymnæa umbrosa Gould. |
| | | 378 | emarginata Say. |
| | | 378 | jugularis Say. |
| | | 378 | Physa elongata Say. |
| | | 378 | heterostropha Say. |
| | | 378 | bullata Gould. MS. |
| | | 378 | Ancylus caurinus Coop. n. s.? |
| | | 378 | Planorbis corpulentus Say. |

Page.		Page.	
378	Planorbis trivolvis Say.		<i>Tapes diversa</i> Sowb.
378	<i>planulatus</i> Cooper, n. sp.		<i>straminea</i> Carp.
379	Bulla nebulosa Gould.		<i>Saxidomus Petittii</i> Carp.
379	<i>tenella</i> Adams.	383	Saxidomus Nuttalli Conr.
379	Ostrea edulis Linn. [Desh.		<i>Venerupis gigantea</i> Desh.
379	Anomia machroschisma		<i>Venus maxima</i> Philippi.
	<i>Plucunanomia macroschisma</i>		<i>S. gigantea</i> Carp.
	Carp.	383	Venus lamellifera Conr.
379	Pecten caurinus Gould.		<i>Venerupis cordieri</i> Desh.
380	<i>ventricosus</i> Sowb.		(var. β .)
	<i>P. tumidus</i> Sowb.		<i>Petricola cordieri</i> Desh.
380	Mytilus edulis Linn.		<i>Rupellaria lamellifera</i> Car.
380	<i>Californianus</i> Conr.	384	Lutraria maxima Midd.
380	Modiola capax Conr.		<i>L. capax</i> Gould.
380	<i>flabellata</i> Gould.	384	Tellina nasuta Conr.
380	Lithodomus.	384	<i>edentula</i> Brod. & Sowb.
381	Arca grandis Brod. & Sowb.	384	<i>bodegensis</i> Hinds. [Conr.
381	Margaritana margaritifera	385	Sanguinolaria Californiana.
	Lea.	385	Solen sicarius Gould.
	<i>Mya margaritifera</i> Linn.	385	Machaera Nuttalli Carp.
	<i>Margar. fluviatilis</i> Schum.		<i>Solen maximus</i> Wood, nec
	<i>Alasmodonta falcata</i> Gld.		Chemn.
381	Anodonta angulata Lea.		<i>Solecurtus Nuttalli</i> Conr.
	<i>A. feminalis</i> Gould.		<i>M. costata</i> Midd.
381	Oregonensis Lea.		<i>maxima</i> Gould.
381	Wahlamatisensis Lea.	385	Mya cancellata Conr.
382	Cardium Nuttalli Conr.		<i>Platyodon cancellatum</i> Con.
382	<i>quadragenarium</i> Conr.	385	Sphænia Californica Conr.
382	Lucina Californica Conr.		<i>Cryptomya Californica</i> Con.
382	Cyclas —, n. sp.	386	Mytilimeria Nuttalli Conr.
382	Venus staminea Conr.	386	Pholas penita Conr.
	<i>Venerupis Petittii</i> Desh.		<i>Pholas concamerata</i> Desh.
	<i>Venus rigida</i> Gould.		<i>Parapholas penita</i> Conr.

In Appendix—*Machaera Nuttalli* = **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>Arion 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>	256	x	4-5	<i>elevata.</i>
			<i>linensis.</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.
			LIMACIDÆ.	66			<i>Succinea Wardiana</i> Lea = avara.
17	lxvii		Vaginulus Floridanus <i>Binney.</i>	66			<i>Totteniana</i> Lea = ovalis Say. [Gld.
20	lxiii	1-2	Tebennophorus Caro- linensis Bosc.	66			<i>Nuttalliana</i> = ovalis <i>inflata</i> = campestris.
			<i>Limax Carolinensis</i> Bosc.	66			<i>retusa</i> = ovalis Gld.
			<i>Carolinianus</i> De Roissy.	67	lxvii b	1	lineata De Kay? campestris Say.
			<i>togata</i> Gould.	67			<i>S. inflata</i> Lea. [Gld.
			<i>Philomyces Carolinen-</i> <i>sis</i> Fer.	67			<i>aperta</i> Lea = rotundata Nuttalliana Lea. (sp. dist.)
24	lxiii	3	dorsalis Binn. [Binu. <i>Philomyces dorsalis</i>	67			Oregonensis Lea. (sp. dist.)
27	lxiv	1	Arion hortensis Fer.	69	lxvii b	3	obliqua Say. <i>S. ovalis</i> Say.
	lxv	2					<i>campestris</i> Gld. &c. <i>Totteniana</i> Lea.
30	lxvi	2	foliolatus Gould.				Totteniana Lea. (sp. dist., A. A. G.)
33			Limax lineatus De Kay?	72			avara Say. <i>S. vermeta</i> Say.
33			marmoratus De Kay?				<i>Wardiana</i> Lea.
33			gracilis Raf.?				luteola Gould.
34	lxv	1	variegatus Drop. <i>L. flavus</i> Binn.	73	lxvii c	4	aurea Lea. Oregonensis Lea.
36	lxiv	2	agrestis Müll. <i>L. tunicata</i> Gould.	75	lxvii c	1	ovalis Gould.
41	lxiv	3	campestris Binn.	76	lxvii c	3	Nuttalliana Lea.
43	lxvi	1	Columbianus Gould.	77	lxvii c	2	Concordialis Gould.
				78	lxvii a	3	Helix major Binney. <i>H. albolabris</i> Fer.
			HELICIDÆ.	81	lxvii a	4	multilineata Say.
55	lxvii a	1	<i>Vitrina pellucida</i> Müll. =	82	lxvii a	2	Pennsylvanica Green. <i>clausa</i> Say.
58			V. limpida A. A. G.	96	i		<i>H. Mitchelliana</i> Lea. <i>Mitchella</i> Kirtl.
63			Succinea ovalis Say.	99	ii		Berlandieriana Mor. <i>H. pachyloma</i> Mke.?
63			campestris Say.	103	iii		hortensis Müll. <i>H. subglobosa</i> Binn.
63			avara Say.	105	vii		Buffoniana Pfr. <i>H. aspersa</i> (in pl.)
63			obliqua Say.	107	iv		aspersa Müll.
64			avara Say.				tudiculata Binney.
64			vermeta Say.				Nickliniana Lea.
64			undulata Say.	109	xliv	1-2	Californiensis Lea.
64			campestris Say.	111			abjecta Gould.
64			ovalis Say.	111	viii		polychroa Binney. <i>H. submeris</i> Mighels.
65			obliqua Say.	115	xliii		Pisana Forb.?
65			avara Say. <i>S. vermeta</i> Say.				
65			undulata Say.				
65			retusa Lea.	116			
65			aperta Lea.	117	xvi		
65			Wardiana Lea.	119	vi a, vi	1	
65			Totteniana Lea.	121	vi	2	
66			Nuttalliana Lea.	122	xiii a	2	
66			aurea Lea.	123	xlvi		
66			Oregonensis Lea.		xlvii		
66			inflata Lea.	126			

Pa.	Plate.	Fig.	Name.	Pa.	Plate.	Fig.	Name.
126	ix		Helix elevata Say. <i>H. Knoxvilleana</i> Fer. <i>Tennesseeensis</i> Lea.	183	xxvii		Helix tridentata Say.
				186	xxviii		<i>H. fallax</i> Say.
129	xi		thyroidus Say.		xl		auriculata Say. [Say.
131	x		exoleta Binn. <i>H. zalceta</i> Binn. <i>albolabris</i> Fer., var.				<i>Polygyra auriculata</i> <i>avara</i> Say. <i>Stenotrema avara</i> Hart. <i>H. Sagii</i> Wood.
134	xii		dentifera Binn.	189	xl a	4	vultuosa Gould.
136	xiv, xv		palliata Say. <i>H. obstricta</i> Say. <i>denotata</i> Fer. <i>notata</i> Desh. <i>Carolinensis</i> Lea. <i>Carocolla helicoides</i>	191	xlv	1	Texasiana Mor. <i>H. auriculata</i> Binn.
			appressa Say. [Lea. <i>H. linguifera</i> Fer. <i>Tridopsis appressa</i>	193	xxxix	2, 4	fatigiata Say. <i>H. Troostiana</i> Pfr. <i>Polygyra plicata</i> Say. <i>fatigiata</i> Say. <i>Dorjeullana</i> Lea <i>Troostiana</i> Lea.
140	xiii		inflecta Say. [Beck. <i>H. clausa</i> Fer. <i>Gonostoma clausa</i> Held.	196	xxxviii		septemvolva Say. <i>H. planorbula</i> Lam. <i>cruciolus</i> Pfr.
143	xlv	2-3	loricata Gld. [Beck. monodon Rack. <i>H. fraterna</i> Say. <i>convexa</i> Desh. <i>Leuii</i> Ward.	199	xl a	1	leporina Gould.
145	xxix a	2	hirsuta Say. <i>H. stenotrema</i> Fer. <i>fraterna</i> Wood. <i>porcina</i> Say. <i>Tridopsis hirsuta</i> Beck.	201	xxxix	3	pustula Fer.
147	xli		spinosa Lea. (Car.) Edgariana Lea. germana Gould. maxillata Gould. Nuttalliana Lea. <i>H. fidelis</i> Gray.	202	xvii	3	labyrinthica Say.
149			Townsendiana Lea. concava Say. <i>H. planorboides</i> Fer. <i>Circinaria planorboides</i> Beck.	204	xxxv		ligera Say. <i>H. Rafinesquea</i> Fer. <i>Wardiana</i> Lea.
150	xlii	3-4	Vancouverensis Lea. <i>H. concava</i> Binn.	206	xxxvi		intertexta Binn.
153	xliv		Columbiana Lea. labiosa Gould.	208	xxiv		solitaria Say. <i>Euryomphala solitaria</i>
155	xliv a	3	Mobiliana Lea. saxicola Pfr. <i>H. Mauriniana</i> D'Orb.	210	xxvi a		strigosa Gld. [Beck.
156	xl a	2	pulchella Müll. <i>H. minuta</i> Say.	211	xxii a	1	sportella Gould.
157	xl a		profunda Say. <i>H. Richardi</i> Fer.	212	xxv		alternata Say. <i>H. scabra</i> Lam. <i>Patula alternata</i> Held. <i>Euryomphala alternata</i> Beck.
159	xviii		Sayii Binn. <i>H. diodontu</i> Say.	216	xxvi		Cumberlandiana Lea. <i>Carocolla Cumberlandiana</i> Lea.
161	xix			217	xxx	2	striatella Anth.
163	xxi			219	xxx	3	limatula Binn.
				221	xvii a	2	minuscula Binn. <i>H. minutissima</i> Lea.
166	xx			222	xxxi		fuliginosa Griff. <i>H. lavigata</i> Fer. <i>capillacea</i> Pfr.
169	v			225	xxxii		lucibrata Say. <i>H. lavigata</i> Fer.
170	xiii a	2		227	xxxiv		inornata Say.
172	xlii	4		229	xxxiii		subplana Binn.
174	xxix a	1		230	xxiv	4	cellaria Müll. <i>H. glaphyra</i> Say. <i>nitida</i> Dr.
175	xvii			232	xlii	1	demissa Binn.
177	xxii			233	xxii a	2	lucida Dr. <i>H. nitida</i> Müll. <i>hydrophila</i> Ingalls.
180	xxiii						

Pa.	Plate.	Fig.	Name.	Pa.	Plate.	Fig.	Name.
235	xxix	3	Helix arborea Say.	278	lviii		Bulimus virgulatus Fer.
236	xxix	1	electrina Gould.				<i>Helix (Cochlogena)</i>
238	xxix a	3	Ottonis Pfr.				<i>virgulata</i> Fer.
			<i>H. arborea</i> Pfr., var.				B. Caribbeorum Lam.
239	xxix a	1	capsella Gould.				<i>multilincatus</i> Say.
			<i>H. rotula</i> Gould.				Menkei Green.
240	xxix a	2	selenina Gould.				<i>venosus</i> Rve.
242	xix	2	indentata Say.	280	1	1	decollatus Linn.
243	xvii	4	chersina Say.				<i>Helix decollata</i> Linn.
245			<i>H. egena.</i>				B. mutilatus Say.
245	xxii a	3	egena Say.				<i>mutilatus</i> Jay.
247	xxx	4	interna Say.	283	lii	4	lubricus Müll.
			<i>H. pomum-Adami</i> Gr.				<i>Helix lubrica</i> Müll.
250	xxxvii	3-4	gularis Say.				Achatina lubrica Mke.
253	xxxvii	1	suppressa Say.				Zua lubrica Leach.
254	xxxvii	2	lasmodon Phillips.				Cionella lubrica Jeffr.
256	xxx	1	perspectiva Say.				Columna lubrica lan.
			<i>H. parvula</i> Desh.				Styloides lubricus Fitz.
			<i>Euryomphala perspec-</i>	285	liii	4	subula Pfr.
			<i>tiva</i> Beck. [Held.]				<i>Achatina subula</i> Pfr.
			<i>Patula perspectiva</i>				B. octonoides Orb.
258	xlvi	3	multidentata Binn.				<i>procerus</i> Adams.
261	xlvi	1	lineata Say. [Beck.]	286	liii	1	exiguus Say.
			<i>Euryomphala lineata</i>				<i>Pupa exigua</i> Say =
266	lv		Bulimus fasciatus Müll.	288			Carychium.
	lvi		<i>Buccinum fasciatum</i>	288	lii	1	fallax Gould. [Say.]
	lvii		Müll.				<i>Cyclostoma marginata</i>
			<i>Bulla virginea</i> Linn.				<i>Pupa fallax</i> Gould.
			<i>fasciata</i> Chemn.				<i>albilabris</i> Ad.
			<i>Bulim. vexillum</i> Brug.	290	lii	3	harpa Say.
			<i>Helix vexillum</i> Fer.				<i>Helix harpa</i> Say.
			<i>Achatina vexillum</i> Lk.				<i>Pupa costulata</i> Migh.
			<i>crenata</i> Sw.	293	liii	3	Achatina gracillima
			<i>pallida</i> Sw.				Pfr.
			<i>fasciata</i> Sw.				<i>Bulim. gracillimus</i> Pfr.
			<i>solida</i> Say.				A. striato-costata Orb.
271	lii		zebra Müll.	294	liii	2	pellucida Pfr.
			<i>Buccinum zebra</i> Müll.				<i>Tornatella Cubensis</i>
			<i>Bulla zebra</i> Gmel.				Pfr.
			<i>Zebra Mülleri</i> Chem.	298	lxii a		Glandina bullata Gld.
			<i>Bulimus undatus</i> Brug.				<i>G. truncata</i> Gould.
			<i>Helix undata</i> Fer.	299	lxii	1	Vanuxemensis Lea.
			<i>Bulimus melanocheilus</i>				<i>Achatina Vanuxemen-</i>
			Val.				<i>sis</i> Rve.
			<i>Achat. pulchella</i> Spix.	301	lix		truncata Say.
			<i>Bulimus princeps</i> Brod.		lx		<i>Bulla truncata</i> Gmel.
			<i>Achat. flummnigera</i> S.		lxi	2	<i>Buccinum striatum</i> Ch.
274	l	2	serperastrus Say.				Bulimus striatus Brug.
			<i>B. nitelinus</i> Rv.				<i>Cochlicopa rosea</i> Fer.
			<i>lilacinus</i> Rv.				<i>Achatina rosea</i> Desh.
276	li		dealbatus Say.				<i>truncata</i> Orb.
	li a		<i>Helix dealbata</i> Say.	306	lxix	1	Cylindrella pontifica
	li b		<i>Zebrina dealbata</i> Held.				Gould.
			<i>B. alternatus</i> Say.				<i>Pupa pontifica</i> Gould.
278			<i>Schiedeanus</i> Pfr.				
278			<i>lactarius</i> Mke.				

Pa.	Plate.	Fig.	Name.	Pa.	Plate.	Fig.	Name.
309	lxix	2	Cylindrella lactaria <i>Gd.</i> <i>Pupa</i> (<i>Siphonostoma</i>) <i>lactaria</i> Gould.	337	lxxi	1	Vertigo milium <i>Gould</i> (cut p. 338). <i>Pupa milium</i> Gould.
310	lxix	3	jejuna <i>Gould.</i>	339	lxxii	4	Pupa corticaria <i>Say</i> (cut p. 340). [<i>Say.</i> <i>Odostomia corticaria</i>
316	lxviii		Pupa maritima <i>Pfr.</i> <i>P. incana</i> Binn.	341	lxx	1	rupicola <i>Say</i> (cut p. 342).
318		2	modica <i>Gould.</i>				<i>P. procera</i> Gould.
319	lii	2	armifera <i>Say</i> (cut p. 322.) [Mich.	343	lxxii	3	simplex <i>Gould.</i> [<i>Say.</i>
320	lxx	4	<i>P. armigera</i> Pot. & badia <i>Ad.</i> (cut, p. 324).	348	lxxii		Cyclostoma dentatum
323	lxx	3	contracta <i>Say</i> (cut p.	352	lxxiii		Helicina orbiculata <i>S.</i>
324	lxx	2	decora <i>Gould.</i> [326).	lxxiv	3		<i>Oligyra orbiculata</i> <i>S.</i> <i>Helicina rubella</i> Gr'n. ? <i>castanea</i> Sowb. <i>minuta</i> Sowb. <i>Ambeliana</i> De Roissy.
327	lxxi	3	pentodon <i>Say</i> (cut p. 330).	252			<i>tropica</i> lan.
328	lxii	1	<i>Vertigo pentodon</i> <i>Say.</i> <i>P. curvidens</i> <i>Gould.</i> <i>Tuppaniana</i> <i>Ad.</i>	253			chrysochella <i>Binn.</i>
			variolosa <i>Gould.</i>	253			oculta <i>Say.</i> <i>Oligyra oculta</i> <i>Say.</i>
331	lxxii	2	Vertigo Gouldii <i>Binn.</i> (cut p. 333).	254			Helix divesta <i>Gould.</i> <i>H. abjecta</i> <i>Gould.</i> <i>dejecta</i> <i>Gould.</i>
332	lxxi	2	<i>Pupa Gouldii</i> <i>Binn.</i> ovata <i>Say</i> (cut p. 336).	354	lxxiv	4	
			<i>Pupa ovata</i> <i>Gould.</i> <i>modesta</i> <i>Gould.</i>	356	lxxiv	2	
334	lxxi	4		358			

[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		Helix bucculenta <i>Gld.</i>	26			Helix Nickliniana <i>Lea.</i>
11			devia <i>Gould.</i> <i>H. Baskervillei</i> <i>Pfr.</i>	26			<i>H. Californiensis</i> <i>Rve.</i>
12			ramentosa <i>Gould.</i>				Californiensis <i>Lea.</i>
12			æruginosa <i>Gould.</i>	27			<i>H. vincta</i> <i>Val.</i>
13			infumata <i>Gould.</i>				divesta <i>Gould.</i>
13			<i>Oregonensis</i> <i>Lea</i> =	31			<i>H. abjecta.</i>
14			Dupetithouarsi <i>Desh.</i>				lucubrata <i>Say.</i> <i>H. fuliginosa</i> <i>Rve.</i>
14			areolata <i>Sowb.</i>	31			septemvolva <i>Say</i> (in- ternal lamina).
15			Pandoræ <i>Forbes.</i> <i>H. Damascenus</i> <i>Gld.</i>	33	xliv	2	? triodonta <i>Ian.</i>
16			exigua <i>Stimpson.</i>	33			polychroa <i>Binn.</i> <i>H. rhodocheila</i> in pl.
17			Hindsi <i>Pfr.</i>	34			selenina <i>Gould.</i> <i>H. vortex</i> <i>Pfr.</i> <i>tenistriata</i> <i>Bin.</i>
17			Hopetonensis <i>Shuttl.</i> <i>H. tridentata</i> <i>Binn.,</i>	34			Berlandieriana <i>Mor.</i> <i>H. albolineata</i> in pl.
18			Rugeli <i>Shuttl.</i> [var.				Pupa Tappaniana <i>Ad.</i> (right hand fig.)
19			mordax <i>Shuttl.</i>	34			curvidens <i>Gould</i> (left hand fig.)
19			Zonites placentula <i>Shuttl.</i>	40	lxxii	1	
20			macilenta <i>Shuttl.</i>				
20			Helix uvulifera <i>Shuttl.</i>				
21			barbigera <i>Redf.</i>				
23			Elliotti <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.)¹

SECTION I.—THE SPECIES OF THE PACIFIC COAST.

Page.	Plato.	Fig.	Name.	Locality.
6			Arion foliolatus <i>Gould.</i>	Puget sound.
6			Limax Columbianus <i>Gould.</i>	Pisqually & Puget s.
6			Succinea Nuttalliana <i>Lea.</i>	Lewis river, Oregon.
6			Oregonensis <i>Lea.</i>	Oregon.
6	lxxix	14	rusticana <i>Gould.</i>	Oregon.
7			cingulata <i>Forbes</i> (e. l.)	Mazatlan.
7			aperta <i>Lea</i> (e. l.)	.
7			Helix tudiculata <i>Binney.</i>	San Diego.
7			Nickliniana <i>Lea.</i>	California.
			<i>H. Californiensis</i> <i>Chemn., &c.</i>	
			<i>arboretorum</i> <i>Val., &c.</i>	
			<i>memorivaya</i> <i>Val.</i>	
8	vi	1	intercisa <i>W. G. Binney</i> (mid. fig.)	Oregon.
			<i>H. Nickliniana</i> (var.) <i>Binney.</i>	
9	vi	1	redimita <i>W. G. Binney.</i>	California.
			<i>H. Nickliniana</i> (var.) <i>Binney.</i>	
11	lxxvi	5	anachoreta <i>W. G. Binney.</i>	California.
12			reticulata <i>Pfr.</i>	California.
12			exarata <i>Pfr.</i>	California.
13			Californiensis <i>Pfr.</i>	California.
			<i>H. vineta</i> <i>Val.</i>	
13			ramentosa <i>Gould.</i>	California.
14			loricata <i>Gould.</i>	California.
			<i>H. Lecontii</i> <i>Lea.</i>	
14			germana <i>Gould.</i>	Oregon.
14			fidelis <i>Gray.</i>	Oregon.
			<i>H. Nuttalliana</i> <i>Lea.</i>	
15	lxxix	2	infumata <i>Gould.</i>	San Francisco.
15			Townsendiana <i>Lea.</i>	Oregon.
15	lxxvi	4	arrosa <i>Gould.</i>	San Francisco.
			<i>H. aruginosa</i> <i>Gould.</i>	
15	lxxvi	9	Dupetithouarsi <i>Desh.</i>	California & Oregon.
			<i>H. Oregonensis</i> <i>Lea.</i>	
15	lxxix	21	Mormonum <i>Pfr.</i>	Mormon island, Cal.
16			Columbiana <i>Lea.</i>	Oregon.
			<i>H. labiosa</i> <i>Gould.</i>	

¹ 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	Helix devia Gould. <i>H. Baskervillei</i> Pfr.	Oregon.
17	lxxvi	12	Kelletti Forbes.	San Diego.
18	lxxvi	8	Pandoræ Forbes. <i>H. damascenus</i> Gould.	Santa Barbara.
18	lxxvi	10	levis Pfr.	Columbia river.
19	lxxvi	11, 3	areolata Sowerby.	Oregon & California.
19			Vancouverensis Lea. <i>H. vellicata</i> Forbes.	Columbia river.
19			sportella Gould.	San Diego, &c.
20	lxxvi	7	Newberryana W. G. B.	San Diego, &c.
22	lxxvi	6	cultellata Thompson.	Contra Costa co., Cal.
23			strigosa Gould.	Oregon, N. Mex., &c.
23			Sagraiana Orb. (sp.)	
23	lxxvi	1	acutedenta W. G. B. (e. l.)	
23	lxxvi	2	Loisa W. G. B. (e. l.)	
24			aspersa Müll. (e. l.)	
24			Mazatlanica Pfr. (e. l.)	
24	lxxix	15	Bulimus Californicus Rve.	California.
24	lxxix	12	excelsus Gould. <i>B. elatus</i> Gould.	California.
25			chordatus Pfr. (e. l.)	
25			Humboldti Rve. (e. l.)	
25			Mexicanus Lam. (e. l.)	
25			zebra Müll. (e. l.)	
25			Ziegleri Pfr. (e. l.)	
25			vegetus Gould (e. l.)	
25			vesicalis Gould (e. l.) <i>B. sufflatus</i> Gould.	
25			Laurentii Sowerby (e. l.)	
26	lxxix	19	Achatina Californica Pfr.	Monterey, Cal.
26			Glandina Albersi Pfr. (e. l.)	
26			turris Pfr. (e. l.)	
26	lxxix	8	Melampus olivaceus Carp.	Mazatlan.
28	lxxix	20	Truncatella Californica Pfr.	San Diego.
		22	<i>T. gracilentata</i> Gould.	

SECTION II.—THE SPECIES EAST OF THE ROCKY MOUNTAINS.

Family **Limacea**.

29	Vaginulus Floridanus Binney.	Charlotte harbor.
30	flexuolaris (sp.)	
30	fuscus (sp.)	
30	oxyurus (sp.)	
30	quadrilus (sp.)	

Page.	Plate.	Fig.	Name.	Locality.
30			Tebennophorus Carolinensis <i>Limax Carolinensis</i> Bosc. <i>marmoratus</i> De Kay.	Er'n, Midd., S'r'n and Binney. W'r'n States.
31			dorsalis Binney. <i>Philomycus dorsalis</i> Binney. <i>Limax dorsalis</i> De Kay.	Mass. and Vermont.
31			bilineatus Cart. (sp.)	
31			Arion hortensis Dr.	Boston, &c.
31			empiricorum Fer. (sp.)	
31			foliolatus Gould (sp.)	
31			Limax variegatus Dr. <i>L. flavus</i> De Kay.	Boston, &c.
31			agrestis Müll.	Boston, &c.
32			campestris Binney.	Massachusetts, &c.
32			Columbianus Gould (sp.)	
32			fuliginosus Gould (sp.)	
32			olivaceus Gould (sp.)	
32			lineatus De Kay (sp.)	
32			gracilis Raf. (sp.)	
32			Eumelus lividus Raf. (sp.)	
32			nebulosus Raf. (sp.)	
32			Deroceras gracilis Raf. (sp.)	
32			Philomycus flexuolaris Raf. (sp.) fuscus Raf. (sp.)	
32			oxyurus Raf. (sp.)	
32			quadrilus Raf. (sp.)	
32			Testacina Raf. (sp.)	
32			Urcinella Raf. (sp.)	
32			Zilotea Raf. (sp.)	

Family **Helicea.**

32	lxxix	9	Vitrina Angelicæ Bk. <i>Helix pellucida</i> Fabr. <i>domestica</i> Ström.	Greenland.
33			limpida Gould. <i>V. pellucida</i> De Kay. <i>Americana</i> Pfr.	From Maine & Lake Superior north.
34			Succinea campestris Say.	South Carolina, &c.
34	lxxx	11	inflata Lea. <i>S. campestris</i> (var.) Binney.	Georgia.
35			obliqua Say. <i>S. lineata</i> De Kay.	Canada to Arkansas.
35			Totteniana Lea. <i>S. obliqua</i> (var.) Binney.	Rhode Island, &c.

Page.	Plate.	Fig.	Name.	Locality.
35			Succinea avara Say. <i>S. vermeta</i> Say? <i>Wardiana</i> Lea.	Whole country.
37			aurea Lea. <i>S. ovalis</i> (var.) Anthony.	New York and Ohio.
37	lxxix	7	retusa Lea. <i>S. campestris</i> Anthony.	Ohio.
38	lxxx	4	Grœnlandica Beck.	Greenland.
38	lxxx	5	lineata W. G. Binney.	Nebraska Territory.
40	lxxix	1	Haydeni W. G. Binney.	Nebraska Territory.
41			luteola Gould. <i>S. Texasiana</i> Pfr.	Texas.
41			Concordialis Gould. <i>S. munita</i> Binney.	L. Concordia, Tex.
41	lxxx	12	effusa Shuttl.	East Florida.
42	lxxix	18	Salleana Pfr.	New Orleans.
42			putris Linn. (sp.)	
42			amphibia Dr. (sp.)	
43			Helix major Binney. <i>H. albolabris</i> Pf.	Tenn. to Florida.
43			albolabris Say. <i>H. rufa</i> De Kay.	S. Car. to Arkansas, north to Canada.
45			multilineata Say.	N'n, Mid., W'rn St's, west of Aleg. mts.
45			Pennsylvanica Green. <i>H. Mitchelliana</i> Desh.	Middle States.
46			clausa Say. <i>H. Pennsylvanica</i> Pfr. <i>Mitchelliana</i> Chemn.	W'rn & S'rn States.
47	iv		Mitchelliana Lea. <i>H. clausa</i> pars Binney.	Ohio.
49	lxxvii	22	Berlandieriana Mor. <i>H. pachyloma</i> Mke. <i>virginalis</i> Pfr.	Southw'rn States and Mexico.
50	lxxvii	20	griseola 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			hortensis Müll. <i>H. subglobosa</i> Binney. <i>nemorialis</i> Stimp.	Greenland, & Conn. ? introduced on isl's of N. Atlan. coast.
51	lxxvii	4	aspersa Müll.	

Page.	Plate.	Fig.	Name.	Locality.
51			<i>Helix divesta</i> Gould.	
			<i>H. abjecta</i> Gould.	
51	lxxviii	22	variana Mke.	Florida.
			<i>H. carnicolor</i> Pfr.	
			<i>pisana</i> Cheinn.	
			<i>submeris</i> Mighels.	
			<i>rhodocheila</i> Binney.	
			<i>polychroa</i> Binney.	
52			elevata Say.	N'rn & Middle St's.
			<i>H. Tennesseensis</i> Lea.	
53	lxxvii	10	Clarkii Lea.	North Carolina.
53			thyroides Say.	Canada to Texas.
			<i>Anchistoma thyroides</i> Ad., Gen.	
54			bucculenta Gould.	
			<i>H. thyroides</i> ♂ Pfr.	
54			exoleta Binney.	Georgia to Texas.
			<i>H. zaleta</i> Binney.	[Ga., &c.
			<i>albolabris</i> (var.) Pfr., &c.	Midd. & N'rn States,
55			dentifera Binney.	N. Y., Ohio, Vt., Va.,
55	lxxvii	3	Roemeri Pfr.	Texas. [Me., Pa.
			<i>H. dentifera</i> Pfr.	
56			palliat Say.	Whole country?
			<i>H. denotata</i> Fer.	
57			obstricta Say.	Ohio.
			<i>H. palliata</i> (var.) Binney.	
			<i>denotata</i> (var.) Fer.	
			<i>appressa</i> (var.) Desh.	
			<i>Carocolla helicoides</i> Lea.	
59			appressa Say.	W'rn, Southw'rn, &
			<i>H. linguifera</i> Fer.	Southern States.
59			inflecta Say.	Canada to Texas.
			<i>H. clausa</i> Raf. (<i>Xolotrema</i> .)	
60	lxxviii	15	Rugeli Shuttl.	Tennessee.
60			monodon Rack.	Canada to Texas.
			<i>H. fraterna</i> Say.	
			<i>Leaii</i> Ward.	
			<i>hirsuta</i> Fer.	
			<i>convexa</i> Pfr.	
61			stenotrema Fer.	S'rn & W'rn States.
			<i>H. hirsuta</i> (var.) Binney.	
62			hirsuta Say.	Canada to Texas.
			<i>H. sinuata</i> γ Gmelin.	
			<i>isognomostomus</i> γ 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	Helix barbiger Redf.	Georgia.
63	lxxviii	7, 9	Edwardsi Bland.	Virginia.
65			spinosa Lea.	Ala., Ga., Tenn.
65			Edgariana Lea.	Tenn., Ark., Ala.
65			maxillata Gould.	Tennessee, Georgia.
65			concava Say.	Whole country.
			<i>H. planorboides</i> Raf.	
			<i>dissidens</i> Desh.	
67			jejuna Say.	Ala., Ga., Florida.
			<i>H. Mobiliana</i> Lea, Binney.	
68			incrustedata Poey.	Texas.
			<i>H. saxicola</i> Gould.	
69			pulchella Müll.	Whole country?
			<i>H. costata</i> Müll.	
			<i>minuta</i> Say.	
70			profunda Say.	Middle States, &c.
			<i>H. Richardi</i> Fer.	
70			Sayii Binney.	Illinois to Me. & Pa.
			<i>H. diodonta</i> Say.	
70			tridentata Say.	All the States.
			<i>Tridopsis lunula</i> Raf.	
71			fallax Say.	All the States?
			<i>H. tridentata</i> (var.) Binney.	
72	lxxvii	16	Hopetonensis Shuttl.	Florida and Georgia.
72	lxxvii	14	ventrosula Pfr.	Texas. [Natchez.
73			auriculata Say (Polyg.)	Fla., S. C., Ga., and
74			avara Say (Polyg.)	
			<i>H. auriculata</i> pars. Binney.	
			<i>Sayii</i> Wood.	
75			uvulifera Shuttl. (fig.)	Florida.
			<i>H. florulifera</i> Rve.	
			<i>auriculata</i> min. Fer.	
75			vultuosa Gould.	Texas.
76	lxxviii	1, 3, 4	Ariadnæ Pfr.	Texas?
			<i>H. Couchiana</i> Lea.	
77	lxxviii	19	hippocrepis Pfr.	Texas.
79			Texasiana Mor.	Texas.
			<i>H. triodonta</i> Fer.	
			<i>auriculata</i> Binney, olim.	
			<i>Tamulipasensis</i> Lea.	
80	lxxviii	24	Mooreana W. G. Binney.	Texas.
81	lxxviii	21	tholus W. G. Binney.	Texas.
82			fatigiata Say.	Tennessee.
			<i>H. fatigata</i> Binney, pars.	
			<i>auriculata</i> Binney olim.	

Page.	Plate.	Fig.	Name.	Locality.
			<i>H. Texasiana</i> (var. β) Desh.	
			<i>Dorfeulliana</i> Desh.	
			<i>Helicina fastigiata</i> Desh.	
84	lxxviii	13	Helix Hazardi 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	Dorfeulliana Lea.	Ohio.
			<i>Polygyra Dorfeulliana</i> Lea.	
			<i>H. fatigiata</i> Binney, pars.	
88	lxxviii	11	Troostiana Lea (Pol.)	Tennessee.
			<i>H. fatigiata</i> Binney, pars.	
			<i>plicata</i> Shuttl., &c.	
90	lxxvii	23	cereolus Muhlf.	Florida.
			<i>Polygyra septemvolva</i> Say.	
			<i>H. planorbula</i> Lam., &c.	
			<i>septemvolva</i> Binney.	
91	lxxviii	23	microdonta Desh.	Florida and Texas.
			<i>H. plana</i> Dunk.	
92	lxxviii	17	volvoxis Pfr.	Georgia and Florida.
			<i>Polygyra septemvolva</i> Beck.	
92	lxxviii	5, 6, 8	Hindsii Pfr.	Texas.
92			leporina Gould.	Miss., Ark., Ga., Ill., and Ind.
			<i>H. pustula</i> β Pfr.	
93			pustuloides Bland.	Georgia.
			<i>H. pustula</i> Binney in pl. non Fer.	
94	lxxvii	12	pustula Fer.	Ga., Fla., & Texas.
95			labyrinthica Say.	Whole country.
95			ligera Say.	W'rn St's, Ky., Pa., and Ark.
			<i>H. Rafinesquea</i> Fer.?	
			<i>Wardiana</i> Lea.	
96			intertexta Binney.	W'rn & Mid. St's, &c.
96			solitaria Say.	W'rn, S. W'rn, &c.
97	lxxvii	11	Cooperi W. G. Binney.	Nebraska.
98			alternata Say.	Whole country.
			<i>H. scabra</i> Lam.	
			<i>inflecta</i> Pfr.	
			<i>strongylodes</i> Pfr.	
99			mordax Shuttl.	North Carolina.
99			Cumberlandiana Lea.	West Tennessee.
			<i>Curocolla Cumberlandiana</i> Lea.	

Page.	Plate.	Fig.	Name.	Locality.
99			Helix striatella <i>Anthony</i> .	E'rn, W'rn, and N'rn States, &c.
			<i>H. rudrata</i> Adams.	
100			<i>limatula</i> <i>Binney</i> .	Northern States.
100	lxxvii	6, 7	<i>minutissima</i> <i>Lea</i> .	Ohio and N. York.
			<i>H. minuscula</i> teste <i>Binney</i> .	
101	lxxix	4, 5	<i>miliun</i> <i>Morse</i> .	Maine.
102	lxxvii	19	<i>exigua</i> <i>Stimp</i> .	Mass. and Canada.
			<i>H. annulata</i> <i>Case</i> .	
			<i>striatella</i> jun. <i>Gould</i> .	
102			<i>minuscula</i> <i>Binney</i> .	Whole country.
			<i>H. minutalis</i> <i>Mor</i> .	
			<i>apex</i> Adams.	
			<i>Lavelleana</i> <i>Orb</i> . in text.	
			<i>Mauriniana</i> <i>Orb</i> . in tab.	
103	lxxvii	9	<i>asteriscus</i> <i>Morse</i> .	Maine.
			<i>H. minutissima</i> <i>Gould</i> .	
104	lxxx	14	<i>kopnodes</i> <i>W. G. Binney</i> .	Alabama.
105			<i>fuliginosa</i> <i>Binney</i> .	Whole country?
			<i>H. lævigata</i> <i>Fer</i> . teste <i>A. B.</i> non <i>W. G. B.</i>	
			<i>capillacea</i> <i>Pfr</i> .	
			<i>Omphalina cuprea</i> <i>Raf.?</i>	
106	lxxx	2	<i>friabilis</i> <i>W. G. Binney</i> .	Ind., Ill., Ala., Tex.
107			<i>caduca</i> <i>Pfr</i> .	Texas.
108			<i>lævigata</i> <i>Pfr</i> .	W'rn & S'rn States.
			<i>H. lucubrata</i> <i>Binney</i> , non <i>Say</i> .	
			<i>fuliginosa</i> <i>Binney</i> , olim.	
			<i>inornata</i> <i>Rve</i> .	
109			<i>inornata</i> <i>Say</i> .	N'rn, N. E'rn, W'rn, and Mid. St's, &c.
			<i>H. glaphyra</i> <i>Pfr</i> .	
110			<i>subplana</i> <i>Binney</i> .	Tennessee.
110	lxxvii	15	<i>sculptilis</i> <i>Bland</i> .	North Carolina.
111			<i>cellaria</i> <i>Müll</i> .	N. E'rn & Mid. St's.
			<i>H. glaphyra</i> <i>Say</i> .	
115	lxxix	10	<i>bulbina</i> <i>Desh</i> .	B'ks of O., Mo., Miss.
116			<i>demissa</i> <i>Binney</i> .	Pennsylvania.
116			<i>lucida</i> <i>Dr</i> .	New York and Ohio.
			<i>H. nitida</i> <i>Müll</i> .	
			<i>hydrophila</i> <i>Ing</i> .	
116			<i>arborea</i> <i>Say</i> .	U. S. and Canada.
116	lxxvii	18	<i>Elliotti</i> <i>Reef</i> .	Georgia and N. C.
117			<i>electrina</i> <i>Gould</i> .	E'rn, Mid., W'rn, &
117			<i>Otonis</i> <i>Pfr</i> .	Florida. [S'rn St's.
117			<i>Steenstrupii</i> <i>Morch</i> .	Greenland.
			<i>Helicella Steenstrupii</i> <i>Morch</i> .	
			<i>H. nitida</i> <i>Fabr</i> .	
			<i>alliaris</i> <i>Forb</i> .	

Page.	Plate.	Fig.	Name.	Locality.
117			Helix capsella Gould. <i>H. rotula</i> Gould. <i>placentula</i> Shuttl.	Tennessee.
117			vortex Pfr. <i>H. selenina</i> Gould in vol. ii.	Georgia and Florida.
118			tenuistriata Binney. <i>H. selenina</i> Gould in vol. iii.	Tennessee.
119			indentata Say.	Whole country.
119			chersina Say. <i>H. fulva</i> teste Mighels, &c.	Whole country.
119			<i>egena</i> Say = chersina teste Dinn.	Pennsylvania.
120	lxxvii	17	Fabricii Beck. <i>H. nitida</i> Fabr. <i>Conulus Fabricii</i> Morch. <i>H. Hammonis</i> Ström. ?	Greenland.
121			Gundlachi Pfr. <i>H. pusilla</i> Pfr. <i>egena</i> Gould, non Say.	Florida.
121			interna Say.	Western States, &c.
121			gularis Say. <i>H. bicostata</i> Pfr. <i>Rafinesquæ</i> Fer. ?	Tennessee, Alabama, Ohio, and Penn.
122			suppressa Say. <i>H. gularis</i> (var.) Pfr.	Middle States, Ala., and Florida.
122			lasmodon Phillips. <i>H. macilentæ</i> Shuttl. in vol. iii.	Alabama and Tenn.
122			perspectiva Say. <i>H. patula</i> Desh.	N'rn, W'rn, S'rn, and Middle States, &c.
123			multidentata Binney.	Vt., Ohio, Me., N. Y.
123			lineata Say.	Whole country.
123			arbustorum Linn. (sp.)	
124			Bonplandi Lam. (sp.)	
124			<i>corpuloides</i> Mont. = Delphinoidea .	
124			<i>harpa</i> Say = Bulimus .	
124			<i>dealbata</i> Say = Bulimus .	
124			depicta Grat. (sp.)	
124			<i>domestica</i> Ström. = Vitrina Angelicæ ?	
124			hieroglyphica Beck. (sp.)	
124			hispida Linn. (sp.)	Canada ?
124			<i>irrorata</i> Say = lactea Müll.	Pennsylvania ?
125			nemoralis Linn. (sp.)	
125			<i>pellucida</i> Fabr. = Vitrina Angelicæ .	
125			pisana Müll. (sp.)	
125			<i>subcylindrica</i> Pult. = Truncatella .	
125			<i>Trumbulli</i> Linsl. = { Margarita arctica ? { Skenea serpuloides teste Gl.	

Page.	Plate.	Fig.	Name.	Locality.
125			Helix virgata Mont. (sp.)	
125	lxxvii	13	Bulimus zebra Müll.	Florida, Louisiana?
	lxxviii	12	<i>Agatina fuscata</i> Raf.	
126			serperastrus Say.	Texas.
			<i>B. nitelinus</i> Rve.	
			<i>lilacinus</i> Rve.	
			<i>Liebmanni</i> Pf.	
			<i>Ziebmanni</i> ♂ Rve.	
			<i>nitelinus</i> γ Rve.	
126	lxxx	3, 1?	alternatus Say.	Louisiana, Texas.
			<i>B. lactarius</i> Pfr.	
			<i>dealbatus</i> pars Binney.	
128			Mariæ Albers.	Texas.
128			Binneyanus Pfr.	Texas.
			<i>B. dealbatus</i> (var.) Binney.	
			<i>Schiedeanus</i> Gould, vol. iii.	
129	lxxx	8, 15	Schiedeanus Pfr.	Texas.
129	lxxx	13	patriarcha W. G. Binney.	Texas.
130	lxxx	6, 7	dealbatus Say.	Southwestern St's.
			<i>Helix dealbata</i> Say.	
			<i>B. confinis</i> Rve.	
			<i>liquabilis</i> Rve.	
132			multilineatus Say.	Florida.
			<i>B. virgulatus</i> Binn. vol. iii, excl., syn. non Fer.	
132	lxxx	10	Dormani W. G. Binney.	St. Augustine.
134	lxxix	3	Floridanus Pfr.	Florida.
134			decollatus Linn.	Charleston, S. C.
			<i>B. mutilatus</i> Say.	
134			subula Pfr.	Florida.
			<i>Achatina subula</i> Pfr.	
			<i>B. hortensis</i> Adams.	
134			gracillimus Pfr.	East Florida.
			<i>Achatina gracillima</i> Pfr.	
135			Gossei Pfr.	Texas.
135			harpa Say.	N. W. Terr., Maine.
			<i>Helix harpa</i> Say.	
136			marginatus Say.	Whole country?
			<i>Cyclostoma marginata</i> Say.	
			<i>Pupa fallax</i> Say.	
			<i>albilabris</i> Adams.	
			<i>Parraiana</i> Orb.	
			<i>placida</i> Say?	
			<i>B. fallax</i> Gould.	
137			acicula Müll. } Introduce.	
137			octona Brug. } Introduce.	

Page.	Plate.	Fig.	Name.	Locality.
137			<i>Bulimus exiguus</i> Binney = <i>Carychium exiguum</i> .	
137			<i>fasciatus</i> Binney = <i>Achatina</i> .	
137			<i>Gossei</i> Pfr. } = <i>Macr. pontificus</i> ?	
137			<i>Kieneri</i> Pfr. }	
137			<i>lubricus</i> Adams = <i>Achatina</i> .	
137			<i>obscurus</i> vid. <i>Pupa placida</i> .	
137			<i>striatus</i> Brug. = <i>Glandina truncata</i> .	
137			<i>vevillum</i> Brug. } = <i>Achatina fasciata</i> .	
137			<i>zebra</i> Orb. }	
137			<i>vermetus</i> Anthony (sp.)	Cincinnati.
137			Macroceramus pontificus <i>Gld.</i>	E. Florida and Cuba.
			<i>Bulimus Kieneri</i> ?	
			<i>Pupa pontifica</i> Gould.	
133			Achatina fasciata 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			lubrica Müll.	N. W. Terr., N. Ern
			<i>Bulimus lubricus</i> Binney.	and Midd. States.
			<i>lubricoides</i> St., &c. &c.	
138			virginea Jay (sp.)	
			<i>Bulimus vexillum</i> De Kay.	
138			<i>bullata</i> Pfr. }	
139			<i>striata</i> De Kay. }	
139			<i>Texasiana</i> Pfr. }	= Glandina .
139			<i>truncata</i> Pfr. }	
139			<i>Vanuxemensis</i> Pfr. }	
139			flammigera De Kay (sp.)	
139			<i>flammigera</i> Say = <i>Bulimus zebra</i> .	
139			<i>gracillima</i> Pfr. = <i>Bulimus</i> .	
139			<i>pellucida</i> Binney = <i>Blauneria pellucida</i> .	
139			<i>rosea</i> Desh. = <i>Glandina truncata</i> .	
139			<i>subula</i> Pfr. = <i>Bulimus</i> .	
139			Glandina bullata Gould.	Louisiana.
			<i>Achatina bullata</i> Pfr.	
			<i>Oleacina bullata</i> Gr. and Pf.	
139	lxi	1	corneola W. G. Binney.	Texas and Mexico.
			<i>G. truncata</i> (var.) Binney.	
140	lxii	2	parallela W. G. Binney.	Louisiana.
			<i>G. truncata</i> (var.) Binney.	
140	lxxvii	21	Texasiana Pfr.	Texas.
			<i>G. truncata</i> (var.) Binney.	
			<i>Achatina Texasiana</i> Pfr.	

Page.	Plate.	Fig.	Name.	Locality.
141	lxxx	9	Glandina truncata <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			Vanuxemensis <i>Lea.</i> <i>Achatina Vanuxemensis</i> Pfr. <i>Oleacina Vanuxemensis</i> Gr. and Pfr.	Texas and Mexico.
141	lxxix	17	Pupa incana <i>Binney.</i> <i>P. maritima</i> Gould, non Pfr. <i>detrita</i> Shuttl.	Florida and Cuba.
142			modica <i>Gould.</i>	Florida.
142			armifera <i>Say.</i> <i>P. rupicola</i> Pfr. Symb.	Whole country?
142			badia <i>Adams.</i> <i>P. muscorum teste</i> Pfr.	Crown Point.
143			contracta <i>Say.</i> <i>P. corticaria</i> Pfr. Symb. <i>deltostoma</i> Charp. <i>Vertigo contracta</i> Ad. Gen.	Whole country?
143			decora <i>Gould.</i> <i>Vertigo decora</i> Ad. Gen.	Lake Superior.
143			pentodon <i>Say.</i> <i>Vertigo pentodon</i> Say. <i>P. curvidens</i> Gould. <i>Tappaniana</i> Ward.	Whole country?
144			placida <i>Say.</i> <i>P. fallax teste</i> De Kay, &c. <i>Bulinus hordeaceus?</i> teste De Kay. <i>obscurus teste</i> Gould, &c.	Massachusetts.
145			rupicola <i>Say.</i> <i>Carychium?</i> <i>rupicola</i> Say. <i>P. procera</i> Gould. <i>carinata</i> Gould. <i>gibbosa</i> Chemn. <i>minuta</i> Pfr. <i>Vertigo rupicola</i> Binney. <i>minuta</i> Ads. Gen.?	Ark., S. C., Md., Fla., and St. Croix.
146			variolosa <i>Gould.</i> <i>Vertigo variolosa</i> Ads. Gen.	East Florida.
146			corticaria <i>Say.</i> <i>Ostomia corticaria</i> Say. <i>Carychium corticaria</i> Fer.	Mid. States & Miss.
147			pellucida <i>Pfr.</i>	Texas and Cuba.

Page.	Plate.	Fig.	Name.	Locality.
147			Pupa Hoppii Möll. <i>P. Steenbuchii</i> Beck.	Greenland.
147			<i>albilabris</i> Adams = Bulimus marginatus .	
147			<i>costulata</i> Mighels = Bulimus harpa .	
147			<i>exigua</i> Say = Carychium .	
147			<i>fallax</i> Say = Bulimus marginatus .	
148			<i>Gouldii</i> Binney } = Vertigo .	
148			<i>milium</i> Gould }	
148			<i>modesta</i> Say }	
148			<i>ovata</i> Gould } = Vertigo ovata .	
148			<i>ovulum</i> Pfr. }	
148			<i>Parraiana</i> Orb. = Bulimus marginatus .	
148			<i>simplex</i> Gould = Vertigo .	
148			<i>unicarinata</i> Binney = Macr. pontificus .	
148			Vertigo Gouldii Binney.	N. England, Penn'a,
			<i>Pupa Gouldii</i> Binney.	N. Y., and Md.
148			milium Gould.	New England, Ohio,
			<i>Pupa milium</i> Gould.	Mississippi.
148			ovata Say.	Whole country?
			<i>Pupa ovata</i> Gould, &c.	
			<i>modesta</i> Say.	
			<i>ovulum</i> Pfr.	
148			simplex Gould.	Mass. and Conn.
			<i>Pupa simplex</i> Gould, &c.	
149			<i>contracta</i> Ads. Gen. } = Pupa .	
149			<i>decora</i> Ads. Gen. }	
149			<i>minuta</i> Ads. Gen. = Pupa rupicola .	
149			<i>pentodon</i> Say } = Pupa .	
149			<i>rupicola</i> Binney. }	
149			Cylindrella variegata Pfr.	Florida?
			<i>C. lactaria</i> Gould.	
149			Poeyana Orb.	Florida.
			<i>Pupa Poeyana</i> Orb.	
			<i>C. lactaria</i> Binney in tab.	
150			jejuna Gould.	Florida.
			<i>C. variegata</i> teste Pfr.	
150			Roemeri Pfr.	New Braunfels, Tex.
151	lxxix	23	Goldfussi Pfr.	Texas.
151			<i>pontifica</i> Gould = Macroceramus .	
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. = Helix fuliginosa?	
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.)	

Family Auriculacea.

156	lxxv	23	Melampus bidentatus Say.	Whole coast.
			<i>M. biplicatus</i> Pfr.	
			<i>corneus</i> Stimp.	
			<i>Jaunei</i> Pfr.	
			<i>lineatus</i> Beek.	
			<i>Auricula cornea</i> Desh.	
			<i>bidentata</i> Gould.	
			<i>Jaunei</i> Mitre.	
			<i>biplicata</i> Desh.	
			<i>Conovulus biplicatus</i> Beek.	
161	lxxv	12, 13	cingulatus Pfr.	Florida and W. I.
			<i>Auricula oliva</i> Orb.	
			<i>stenostoma</i> Küst.	
			&c. &c.	
162	lxxv	21, 25	coffea Linn.	Fla., Mex., & W. I.
			(Synonyms all foreign.)	
165	lxxv	30	Floridanus Pfr.	Florida.
			(Synonyms all foreign.)	
166			flavus Gmelin (cut).	Florida.
			(Synonyms all foreign.)	
167			obliquus Say.	South Carolina.
			<i>Auricula obliqua</i> De Kay.	
168	lxxv	29	pusillus Gmelin.	Florida.
			(Synonyms all foreign.)	
170			Redfieldi Pfr.	Florida?
171			<i>borealis</i> Conrad	} = Alexia myosotis.
171			<i>denticulatus</i> Stimp.	
171			<i>Auricula bidentata</i>	} = Melampus.
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> = Melampus.	
172			<i>Jaumei</i> = Melampus bidentatus.	
172			<i>nitens</i> = pusillus.	
172			<i>obliqua</i> = obliquus.	
172			<i>oliva</i> = cingulatus.	
172			<i>pusilla</i> = pusilius.	
172			<i>Sayii</i> = Leuconia.	
172			<i>stenostoma</i> = Melampus cingulatus.	
172	lxxv	33	Alexia myosotis <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 ined.</i>	
175			Blauneria pellucida <i>Pfr.</i>	Florida, S. Carolina.
			<i>Achatina pellucida</i> <i>Binney.</i>	
			(Other synonyms foreign.)	
177	lxxv	34	Leuconia (?) Sayii <i>Küster.</i>	
			<i>Auricula Sayii</i> <i>Küst.</i>	
178			Carychium exiguum <i>Say.</i>	Whole country?
			<i>Pupa exigua</i> <i>Say.</i>	
			<i>Bulinus 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>arnigerum</i> } = Pupa.	
183			<i>contractum</i> }	
183			<i>rupicolum</i> }	
183			<i>corticarium</i> }	

Family **Aciculacea.**

185	lxxv	2, 4	Truncatella Caribæensis <i>Sowb.</i>	Fla., Mexico, Ala.
			(Synonyms all foreign.)	
186	lxxv	5, 6, 8	subcylindrica <i>Gray.</i>	Florida.
188	lxxv	3, 7	bilabiata <i>Pfr.</i>	Florida.
189	lxxv	1, 9, 10	pulchella <i>Pfr.</i>	Florida.

Family **Cyclostomacea.**

191	lxxv	24	Chondropoma dentatum <i>Say.</i>	Florida.
			<i>Cyclostoma dentatum</i> <i>Say.</i>	
191			<i>Cyclostoma Cincinnatiensis</i> <i>Lea</i> } = Amnicola.	
191			<i>lapidaria</i> <i>Say</i> }	
191			<i>marginalis</i> <i>Kirt.</i> } = Bul. marginatus.	
191			<i>marginata</i> <i>Say</i> }	
191			<i>tricarinata</i> <i>Say</i> = Valvata.	

Family **Helicinacea.**

Page.	Plate.	Fig.	Name.	Locality.
192			Helicina chrysocheila Binney.	Tampico, Texas.
192	lxxv	14, 16	Hanleyana Pfr.	New Orleans.
193			occulta Say (fossil?)	Western States.
			<i>H. rubella</i> Green?	
193			orbiculata Say.	Georgia, Tenn., Ala.,
			<i>Olygyra orbiculata</i> Say.	Texas, &c.
			<i>H. vestita</i> Guild?	
			<i>castanea</i> Sowerby?	
194			tropica Ian. (pl. lxxiii part.)	Texas.
			<i>H. Ambeliana</i> Sowerby.	
195	lxxv	17	subglobulosa Poey.	Key Biscayne.
196			<i>fastigiata</i> De Kay	} = Helix.
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	Teredo navalis.	85	57	Mesodesma arcata.
85	27	Pholas costata.	85	58	Jauresii.
85	11	crispata.	85	59	Montacuta bidentata.
85	28	Solen ensis.	85	60	Kellia rubra.
85	30	Solecurtus caribbæus.	85	61	Saxicava distorta.
85	33	Machæra nitida.	85	25	rugosa Stimpson.
85	34	costata.	85	63	Petricola pholadiformis.
85	35	Solemya velum.	85	66	Sanguinolaria fusca.
85	36	borealis.	85	67	sordida.
85	39	Glycymeris siliqua.	85	67	Tellina tenta.
85	40	Mya arenaria.	85	68	tenera.
85	42	truncata.	85	69	Lucina radula.
85	43	Corbula contracta.	85	71	flexuosa.
85	44	Pandora trilineata.	86	72	Cyclas partumeia.
85	46	Lyonsia hyalina.	86	74	elegans.
85	47	Anatina papyracea.	86	75	Pisidium dubium.
85	49	Cochlodesma Leana.	86	76	Astarte castanea.
85	50	Thracia Conradi.	86	78	sulcata.
85	23	Couthouyi.	86	80	lactea.
85	22	truncata.	86	81	quadrans.
85	51	Mactra solidissima.	86	82	Cyprina Islandica.
85	53	ovalis.	86	84	Cytherea convexa.
85	54	lateralis.			

Pa.	No.		Pa.	No.	
86	85	Venus mercenaria.	86	146	Chiton apiculatus.
86	86	notata.	86	148	fulminatus.
86	88	gemma.	86	149	ruber.
86	89	Cardium Islandicum.	86	150	albus.
86	90	pinnulatum.	86	151	Emersonianus.
86	91	Mortoni.	87	153	Lottia testudinalis.
86	92	Greenlandicum.	87	154	alveus.
86	94	Cardita borealis.	87	155	Dentalium dentale.
86	95	Arca pexata.	87	156	Cemoria Noachina.
86	96	transversa.	87	158	Crepidula fornicata.
86	97	Nucula thraciæformis.	87	159	plana.
86	98	limatula.	87	160	convexa.
86	99	myalis.	87	162	Bulla insculpta.
86	100	sapotilla.	87	163	hiemalis.
86	101	minuta.	87	163	Gouldii.
86	102	Jacksonii.	87	164	debilis.
86	103	proxima.	87	165	triticea.
86	105	tenuis.	87	166	canaliculata.
86	107	Unio complanatus.	87	167	obstricta.
86	109	nasutus.	87	168	oryza.
86	110	radiatus.	87	169	lineolata.
86	111	cariosus.	87	170	Helix albolabris.
86	112	ochraceus.	87	171	thyroidus.
86	113	Alasmodon arcuata.	87	172	hortensis.
86	115	undulata.	87	173	tridentata.
86	116	marginata.	87	174	monodon.
86	117	Anodon fluviatilis.	87	175	hirsuta.
86	118	implicata.	87	176	pulchella.
86	120	undulata.	87	177	alternata.
86	121	Mytilus edulis.	87	178	striatella.
86	123	Modiola modiolus.	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	Pecten Magellanicus.	87		——— ?
86	133	Islandicus.	87	193	Bulimus lubricus.
86	134	concentricus.	87	194	Succinea ovalis.
86	137	Ostrea borealis.	87	195	obliqua.
86	138	Anomia ephippium.	87	196	avara.
86	141	Terebratula caput ser-	87	197	Auricula bidentata.
		pentis.	87	199	denticulata.
86	142	psittacea.	87	201	Planorbis trivolvis.

Pa.	No.		Pa.	No.	
87	202	Planorbis lentus.	88	261	Lacuna vineta.
87	203	bicarinatus.	88	263	var. <i>fusca.</i>
87	204	campanulatus.	88	263	neritoidea.
87	205	armigerus.	88	265	Cingula minuta.
87	206	hirsutus.	88	266	aculeus.
87	209	parvus.	88	267	Turritella erosa.
87	211	Physa heterostropha.	88	35	<i>acicula Stimpson.</i>
87	213	ancillaria.	88	269	Pyramis striatula.
87	214	elongata.	88	272	Odostomia exigua.
87	215	Limnea columella.	88	275	Cerithium Emersonii.
87	217	macrostoma.	88	278	Sayii.
87	218	modicellus.	88	279	Greenii.
87	219	decidiosa.	88		Pleurotoma cerinum
87	221	elodes.	88	280	<i>decussata. [Stimp.]</i>
87	224	Ancylus fuscus.	88	283	Cancellaria Couthouyi.
87	224	rivularis.	88	284	Fusus Islandicus.
87	225	Valvata tricarinata.	88	285	ventricosus.
87	226	pupoidea.	88	287	decemcostatus.
87	227	Paludina decisa.	88	288	scalariformis.
87	229	Amnicola porata.	88	289	Bamffius.
87	231	Natica heros.	88	290	rufus.
87	233	triseriata.	88	291	harpularius.
87	234	immaculata.	88	292	turricula.
87	235	canaliculata.	88	293	muricatus.
87	236	duplicata.	88	294	Pyruca canaliculata.
87	237	pusilla.	88	296	carica.
87	238	clausa.	88	297	Ranella caudata.
87	239	flava.	88	298	Rostellaria occiden-
87	240	Janthina fragilis.			talis.
88	241	Velutina lævigata.	88	300	Trichotropis borealis.
88	242	zonata.	88	301	Purpura lapillus.
88	244	Sigaretus haliotoideus.	88	303	Buccinum plicosum.
88	246	Vermetus lumbricalis.	88	304	Donovani.
88	249	Scalaria Grœnlandica.	88	305	undatum.
88	252	Margarita cinerea.	88	307	ciliatum.
88	253	obscura.	88	308	obsoletum.
88	254	undulata.	88	309	trivittatum.
88	255	arctica.	88	310	vibex.
88	256	argentata.	88	311	rosaceum.
88	257	Littorina rudis.	88	312	lunatum.
88	259	tenebrosa.	88	313	Columbella avara.
88	260	palliatâ.			

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>Mactra (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>Lacuna 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 Grœnlandica.</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>Chryso-domus 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 præcisâ.</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>Mactra 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 Kelletti.</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>subrenatus.</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 fastigiatus</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>Platyodon 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 Petittii</i> .		300	(<i>bicarinata</i>).

Page.		Page.	
300	<i>Corbula</i> (nasuta).	307	<i>Chama</i> exogyra.
300	<i>Thracia</i> curta.	307	pellucida.
300	<i>Lyonsia</i> Californica.	307	fr. Mexicana.
301	<i>Mytilimeria</i> Nuttalli.	307	<i>Cardium</i> Californiense.
301	<i>Pandora</i> punctata.	307	Nuttalli.
301	<i>Machæra</i> Nuttalli.	307	quadragenarium.
301	lucida.	307	(Laperoussii).
301	<i>Solecurtus</i> subteres.	308	<i>Diplodonta</i> orbella.
301	Californianus.	308	<i>Kellia</i> Laperousii.
301	<i>Sanguinolaria</i> grandis.	309	<i>Alasmodon</i> falcata.
301	rubroradiata.	309	<i>Anodon</i> cognata.
302	<i>Tellina</i> Bodegensis.	309	Nuttalliana.
302	secta.	309	angulata.
302	alta.	309	<i>Mytilus</i> edulis.
303	? <i>Scrobicularia</i> biangularis.	309	Californianus.
304	<i>Cumingia</i> Californica.	309	bifurcatus.
304	<i>Donax</i> flexuosus.	309	glomeratus.
304	Californicus.	309	<i>Modiola</i> recta.
304	rostratus.	309	nitens.
304	gracilis.	309	capax.
304	<i>Mactra</i> Californica.	309	<i>Lithophagus</i> Gruneri.
304	planulata.	310	<i>Bysoarca</i> (gradata).
305	<i>Trigona</i> tantilla.	310	<i>Pectunculus</i> (inæqualis).
305	crassatelloides.	311	<i>Nucula</i> cælata.
305	<i>Dosinia</i> callosa.	311	<i>Leda</i> (polita).
305	<i>Venus</i> rigida.	311	<i>Isognomon</i> costellatum.
305	Nuttalli.	311	<i>Pecten</i> latiauritus.
306	? <i>Tapes</i> diversa.	312	<i>Ostrea</i> ———.
306	tumida.	312	conchaphila.
306	straminea.	312	<i>Placunanomia</i> macroschis-
306	<i>Trapezium</i> Californicum.	312	<i>Anomia</i> lampe. [ma.

CLASS GASTEROPODA.

313	<i>Bulla</i> nebulosa.	314	<i>Helix</i> infumata.
313	<i>Tornatina</i> culcitella.	314	levis.
313	cerealis.	314	vecillata.
314	<i>Helix</i> tudiculata.	314	Sagraiana.
314	Columbiana.	314	æruiginosa.
314	Townsendiana.	315	<i>Succinea</i> ———.
314	Californiensis.	316	<i>Limnæa</i> umbrosa.
314	areolata.	316	<i>Physa</i> humerosa.
314	vincta.	316	virginiaea.
314	loricata.	316	virgata.
314	Nickliniana.	316	<i>Planorbis</i> opercularis.
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 (mamillararis)</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>Acmæa 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>æuginosa</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>Cracheroi</i> .	332	(<i>comptus</i>).
320	<i>Phasianella compta</i> .	333	<i>Odostomia gravaida</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 albida*.

CLASS LAMELLIBRANCHIATA.

299	<i>Pholadidea penita</i> .	305	<i>Venus</i> Nuttalli.
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</i> Nuttalli.	306	? <i>Tapes straminea</i> .
300	<i>Platyodon cancellata</i> .	306	gracilis.
300	<i>Sphaenia Californica</i> .	306	<i>Trapezium Californicum</i> .
300	<i>Lyonsia</i> (nitida).	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</i> Nuttalli.	307	substriatum.
301	miniata.	307	luteolabrum.
301	<i>Psammobia 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</i> (obesus).	310	<i>Byssosarca pernoides</i> .
304	<i>Mactra nasuta</i> .	311	<i>Pecten latiauritus</i> .
305	<i>Trigona crassatelloides</i> .	311	floridus.

Page.		Page.	
311	<i>Pecten purpuratus</i> .	312	<i>Ostrea conchaphila</i> .
312	<i>Hinnites giganteus</i> .	312	<i>palmula</i> .
CLASS GASTEROPODA.			
313	<i>Bulla nebulosa</i> .	324	<i>Petalocochus macro-</i> <i>phragma</i> .
313	<i>virescens</i> .	325	<i>Cerithium stercusmusca-</i>
313	<i>longinqua</i> .	325	<i>Cerithidea sacrata</i> . [rum.]
313	<i>Haminea vesicula</i> .	325	<i>pullata</i> .
313	<i>Tornatina inculta</i> .	325	<i>albonodosa</i> .
314	<i>Helix Kellettii</i> .	326	<i>Littorina</i> ? <i>fasciata</i> .
314	<i>tudiculata</i> .	328	<i>Radius</i> (<i>Californica</i>).
314	<i>Bulinus pallidior</i> .	328	<i>Erato vitellina</i> .
315	<i>Melampus olivaceus</i> .	329	<i>Cancellaria funiculata</i> .
316	<i>Physa virgata</i> .	329	<i>ventricosa</i> .
317	<i>Lepidopleurus Magdalen-</i>	330	(<i>Myurella</i>) <i>armillata</i> .
318	<i>Mopalia Blainvillei</i> . [sis.]	330	<i>Pleurotoma gemmata</i> .
318	[Gen. indet.] <i>ornatus</i> .	330	<i>Drillia inermis</i> .
318	<i>Nacella depicta</i> .	330	<i>plumbea</i> .
318	<i>incessa</i> .	330	<i>luctuosa</i> .
319	<i>Acmæa patina</i> .	332	<i>Mangelia plumbea</i> .
319	<i>persona</i> .	332	<i>Conus Californicus</i> .
319	<i>spectrum</i> .	333	<i>Solarium placentale</i> .
319	<i>grandis</i> .	337	<i>Polinices</i> ? <i>uber</i> .
319	<i>scabra</i> .	338	(<i>Argobuccinum</i> ? <i>scabrum</i> .)
319	<i>mesoleuca</i> .	338	<i>Ranella triquetra</i> .
319	<i>fascicularis</i> .	338	<i>Californica</i> .
319	<i>Scurria mitra</i> .	338	<i>muriciformis</i> .
319	<i>Fissurella volcano</i> .	339	<i>Olivella</i> (<i>glandinaria</i>).
320	<i>Haliotis</i> (<i>Kamtschatki-</i>	340	<i>Purpura emarginata</i> .
320	<i>splendens</i> . [ana.]	340	<i>Rhizocheilus foveolata</i> .
320	<i>Californiensis</i> .	340	<i>Vitularia Belcheri</i> .
320	<i>Cracherodii</i> .	340	<i>Pseudoliva Kellettii</i> .
320	<i>Phasianella compta</i> .	341	(<i>lugubris</i>).
320	<i>Callopoma</i> (<i>Fokkesii</i>).	341	<i>Nitidella Californica</i> .
320	(<i>Ziziphinus</i>) <i>filosus</i> .	341	<i>Columbella carinata</i> .
321	<i>Osilinus</i> (<i>gallinus</i>).	341	<i>Californiana</i> .
321	<i>Omphalius mæstus</i> .	342	<i>Nassa fossata</i> .
321	<i>aureotinctus</i> .	342	<i>perpinguis</i> .
321	<i>brunneus</i> .	342	<i>tegula</i> .
323	<i>Crucibulum spinosum</i> .	345	(<i>Pteronotus</i>) <i>festivus</i> .
323	<i>Crepidula incurva</i> .	345	(<i>Muriciæa</i>) <i>perita</i> .
324	<i>Hipponyx Grayanus</i> .		
324	<i>Aletes squamigerus</i> .		

V. GULF OF CALIFORNIA FAUNA.

CLASS PALLIOBRANCHIATA.

Page.		Page.
298	<i>Discina Cumingii</i> .	

CLASS LAMELLIBRANCHIATA.

299	<i>Pholadidea melanura</i> .	301	<i>Periploma Leana</i> .
299	<i>curta</i> .	301	<i>planiuscula</i> .
299	<i>Parapholas calva</i> .	301	<i>excurvata</i> .
299	<i>acuminata</i> .	301	<i>papyracea</i> .
299	<i>Martesia intercalata</i> .	301	<i>Pandora claviculata</i>
299	<i>Gastrochæna truncata</i> .	301	<i>Solecurtus politus</i> .
299	<i>ovata</i> .	301	—.
299	<i>Saxicava ? arctica</i> .	301	<i>affinis</i> .
299	<i>Petricola dactylus</i> .	301	<i>Sanguinolaria miniata</i> .
299	<i>denticulata</i> .	301	<i>tellinoides</i> .
299	<i>ventricosa</i> .	301	<i>Psammobia Kindermanni</i> .
299	—.	301	—.
299	<i>robusta</i> .	302	<i>Tellina pura</i> .
299	<i>pholadiformis</i> .	302	<i>gemma</i> .
299	<i>Rupellaria foliacea</i> .	302	<i>Mazatlanica</i> .
299	<i>paupercula</i> .	302	<i>Broderipii</i> .
299	<i>lingua-felis</i> .	302	<i>straminea</i> .
299	<i>exarata</i> .	302	<i>donacilla</i> .
299	—.	302	<i>regularis</i> .
300	? <i>Narano scobina</i> .	302	<i>lamellata</i> .
300	—.	302	<i>delicatula</i> .
300	<i>Mya ? —</i> .	302	<i>denticulata</i> .
300	<i>Sphænia fragilis</i> .	302	— (3 sp.)
300	— (2 sp.)	302	<i>rufescens</i> .
300	<i>Corbula polychroma</i> .	302	<i>eburnea</i> .
300	— (2 sp.)	302	<i>Dombei</i> .
300	<i>bicarinata</i> .	302	<i>punicea</i> .
300	<i>tenuis</i> .	302	<i>felix</i> .
300	<i>obesa</i> .	302	<i>Cumingii</i> .
300	<i>biradiata</i> .	302	<i>puella</i> .
300	? <i>ovulata</i> .	302	<i>brevirostris</i> .
300	<i>pustulosa</i> .	303	<i>Strigilla carnaria</i> .
300	<i>ventricosa</i> .	303	<i>lenticula</i> .
300	<i>Thracia squamosa</i> .	303	<i>pisiformis</i> .
300	<i>Tyleria fragilis</i> .	303	<i>dichotoma</i> .
300	<i>Lyonsia —</i> .	303	<i>ervilia</i> .
301	<i>diaphana</i> .	303	<i>Tellidora Burneti</i> .
301	<i>picta</i> .	303	? <i>Scrobicularia producta</i> .

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>trigonularis.</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>Byussoarca 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	Smaragdinella thecaphora.	318	Patella Mexicana.
313	Bulla nebulosa.	318	<i>pediculus.</i>
313	<i>exarata.</i>	318	<i>discors.</i>
313	—.	318	Nacella —.
313	Quoyii.	319	Acmaea (Mazatlanica).
313	Adamsi.	319	<i>patina.</i>
313	Haminea cymbiformis.	319	<i>persona.</i>
313	Cylichna luticola.	319	<i>scabra.</i>
313	Tornatina carinata.	319	<i>mesoleuca.</i>
313	<i>infrequens.</i>	319	<i>fascicularis.</i>
313	Glandina Albersi.	319	<i>vespertina.</i>
313	<i>turris.</i>	319	<i>livescens.</i>
314	Bulimus Ziegleri.	319	<i>mitella.</i>
314	<i>zebra.</i>	319	Scutellina navicelloides.
314	Mexicanus.	319	Gadina pentagoniostoma.
315	Succinea cingulata.	319	Fissurella nigrocincta.
315	Melampus olivaceus.	319	<i>alba.</i>
316	Physa aurantia.	319	<i>spongiosa.</i>
316	<i>elata.</i>	319	—.
316	Planorbis tumens.	319	<i>rugosa.</i>
316	Siphonaria æquilirata.	319	<i>virescens.</i>
316	<i>lecanium.</i>	319	(<i>Peruviana</i>).
316	—.	320	Glyphis alta.
316	Ianthina striolata.	320	<i>inæqualis.</i>
316	<i>decollata.</i>	320	Rimula Mazatlanica.
316	Recluzia Rollandiana.	320	Phasianella compta.
317	Dentalium liratum.	320	<i>perforata.</i>
317	<i>hyalinum.</i>	320	Callopoma fluctuosum.
317	<i>corrugatum.</i>	320	Uvanilla olivacea.
317	<i>pretiosum.</i>	320	<i>unguis.</i>
317	Lophyrus articulatus.	320	<i>inermis.</i>
317	<i>albolineatus.</i>	320	Bankivia (varians).
317	<i>striatosquamosus.</i>	320	(<i>Ziziphinus</i>) <i>versicolor.</i>
317	<i>lævigatus.</i>	321	M'Andreae.
317	Lepidopleurus Magdalen-	321	—.
317	<i>clathratus.</i> [sis.]	321	Omphalius rugosus.
317	<i>bullatus.</i>	321	<i>viridulus.</i>
317	M'Andreae.	321	<i>ligulatus.</i>
317	Beanii.	321	<i>globulus.</i>
317	<i>sanguineus.</i>	321	Vitrinella decussata.
317	Tonicia Forbesii.	321	<i>monilis.</i>
317	Chiton flavescens. [tes.]	321	<i>monilifera.</i>
318	Acanthochites Arragoni-	321	<i>lirulata.</i>

Page.		Page.	
321	Vitrinella subquadrata.	323	Crepidula onyx.
321	bifilata.	323	nivea.
321	bifrontia.	323	unguiformis.
321	coronata.	323	dorsata.
321	annulata.	323	(dilatata).
321	cincta.	324	Hipponyx Grayanus.
321	carinulata.	324	serratus.
321	naticoides.	324	antiquatus.
322	planospirata.	324	planatus.
322	orbis.	324	barbatus.
322	Panamensis.	324	Capulus ———.
322	parva.	324	Aletes margaritarum.
322	perparva.	324	centiquadrus.
322	exigua.	324	Vermetus eburneus.
322	? Liotia carinata.	324	Bivonia contorta.
322	striulata.	324	albida.
322	C-B-Adamsi.	324	——— (2 sp.)
322	———.	324	Petalococonchus macro-
322	? Globulus tumens.	phragma.	
322	Ethalia pyricalloso.	324	Elephantulum insculptum.
322	lirulata.	324	subspirale.
322	pallidula.	324	abnormale.
322	carinata.	324	obtusum.
322	amplectans.	324	liratocinctum.
322	Teinostoma amplectans.	324	heptagonum.
322	substriatum.	324	Anellum elongatum.
322	Nerita scabricosta.	324	subimpressum.
322	Bernhardi.	324	clathratum.
322	Neritina Californica.	324	quadratum.
322	cassiculum.	324	undatum.
322	picta.	324	firmatum.
323	Narica cryptophila.	324	Fartulum farcimen.
323	Crucibulum spinosum.	324	glabriforme.
323	Jewettii.	324	corrugulatum.
323	imbricatum.	324	dextroversum.
323	Calyptrea capacea.	325	reversum.
323	Galerus mammillaris.	325	teres.
323	conicus.	325	laeve.
323	subreflexus.	325	Turritella goniostoma.
323	Trochita spirata.	325	tigrina.
323	ventricosa.	325	Cerithium stercusmusca-
323	Crepidula adunca.	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 nigritella.</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>spurca</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>albocincta.</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>terebralis.</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>regalitatis</i> .	335	<i>unifasciata</i> .
333	<i>regularis</i> .	335	—— (4 sp.)
333	? <i>arcuatus</i> .	335	<i>C-B-A damsii</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>tennis</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>quinquecincta</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</i> <i>harpa</i> .
335	? <i>solitaria</i> .	339	<i>Marginella</i> <i>curta</i> .
335	? <i>iota</i> .	339	<i>polita</i> .
335	<i>Cerithiopsis</i> <i>tuberculoides</i> .	339	<i>margaritula</i> .
335	<i>cerea</i> .	339	<i>minor</i> .
335	<i>pupiformis</i> .	339	<i>Oliva</i> <i>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</i> <i>indistincta</i> .	339	<i>Melchersi</i> .
336	<i>reflexa</i> .	339	<i>splendidula</i> .
336	<i>suprastrata</i> .	339	<i>venulata</i> .
336	<i>rariocostata</i> .	339	<i>Cumingii</i> .
336	—— (2 sp.)	339	<i>Olivella</i> <i>dama</i> .
336	<i>hexagona</i> .	339	<i>intorta</i> .
336	<i>Cirsotrema</i> <i>funiculata</i> .	339	<i>p. aureocincta</i> .
336	<i>Natica</i> <i>maroceana</i> .	339	<i>anzora</i> .
336	<i>bifasciata</i> .	339	<i>zonalis</i> .
336	——.	340	<i>tergina</i> .
337	<i>Lunatia</i> <i>tenuilirata</i> .	340	<i>undatella</i> .
337	—— (3 sp.)	340	<i>inconspicua</i> .
337	<i>otis</i> .	340	<i>Aragonia</i> <i>testacea</i> .
337	<i>Neverita</i> <i>glauca</i> .	340	<i>Purpura</i> <i>emarginata</i> .
337	<i>Polinices</i> <i>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</i> <i>debilis</i> .	340	<i>columellaris</i> .
337	<i>Lamellaria</i> —— (2 sp.)	340	<i>muricata</i> .
337	<i>Ficula</i> <i>ventricosa</i> .	340	<i>biserialis</i> .
337	<i>Oniscia</i> <i>tuberculosa</i> .	340	<i>Cuma</i> <i>costata</i> .
337	<i>Cassis</i> <i>coarctata</i> .	340	<i>kiosquiformis</i> .
338	(<i>Argobuccinum</i>) <i>nodosum</i> .	340	<i>Rhizocheilus</i> <i>asper</i> .
338	<i>Ranella</i> <i>pectinata</i> .	340	<i>nux</i> .
338	——.	340	<i>Vitularia</i> <i>salebrosa</i> .
338	? <i>tuberculata</i> .	341	<i>Monoceros</i> <i>tuberculatum</i> .
338	<i>nana</i> .	341	(<i>cornigerum</i>).
338	<i>Turbinella</i> <i>cæstus</i> .	341	<i>Nitidella</i> ——.
338	<i>Lathirus</i> <i>armatus</i> .	341	<i>cribraria</i> .
338	<i>Californicus</i> .	341	<i>Columbella</i> <i>cervinetta</i> .
338	<i>ceratus</i> .	341	<i>nasuta</i> .
338	<i>Leucozonia</i> <i>cingulata</i> .	341	<i>major</i> .
338	<i>Fasciolaria</i> <i>princeps</i> .	341	<i>strombiformis</i> .
338	<i>Mitra</i> <i>lens</i> .	341	<i>fuscata</i> .
339	<i>Strigatella</i> <i>tristis</i> .	342	<i>Metula</i> —— (4 sp.)

Page.		Page.	
342	Nassa tegula.	343	Anachis pygmæa.
342	<i>crebristriata.</i>	344	Strombina ———.
342	——— (9 sp.)	344	<i>maculosa.</i>
342	<i>versicolor.</i>	344	Pisania gemmata.
342	<i>luteostoma.</i>	344	<i>sanguinolenta.</i>
342	? <i>acuta.</i>	344	<i>insignis.</i>
342	<i>gemmaulosa.</i>	344	? (<i>æquilirata</i>).
343	Pyrula patula.	344	<i>ringens.</i>
343	Fusus lignarius.	344	Northis pristis.
343	<i>ambustus.</i>	344	Murex armatus.
343	<i>tumens.</i>	345	<i>plicatus.</i>
343	<i>apertus.</i>	345	<i>recurv. lividus.</i>
343	——— (2 sp.)	345	(Phyllonotus) <i>imperialis.</i>
343	<i>pallidus.</i>	345	<i>nigritus.</i>
343	Cominella ———.	345	<i>brassica.</i>
343	Anachis tæniata.	345	<i>princeps.</i>
343	<i>nucleolus.</i>	345	<i>nitidus.</i>
343	<i>pallida.</i>	345	<i>bicolor.</i>
343	<i>nigrofusca.</i>	345	<i>regius.</i>
343	<i>serrata.</i>	345	(Muricidea) <i>radicata.</i>
343	<i>rufotincta.</i>	345	<i>fimbriata.</i>
343	<i>albonodosa.</i>	345	<i>pauillus.</i>
343	——— (2 sp.)	345	———.
343	Gaskoinci.	345	<i>lapa.</i>
343	<i>costellata.</i>	345	? <i>er. indentata.</i>
343	<i>scalarina.</i>	345	<i>dua.</i>
343	<i>coronata.</i>	345	Typhis fimbriatus.
343	<i>fulva.</i>	345	<i>grandis.</i>

LIST OF PLATES.

Pl. Fig.		Pl. Fig.	
vi 1-4	Arca grandis.	viii 1	Crepidula nivea.
vii 1 a	Cyrena Mexicana.		<i>Calyptrea squama.</i>
	<i>C. Florida</i> Desh. non		<i>Lessonii.</i>
1 b	<i>altalis.</i> [Conr.]		<i>striolata.</i>
vii 2	Avicula sterna Gould.	viii 2	unguiformis.
vii 3	Gadinea pentagonios-	viii 3	aculeata.
	<i>toma.</i>		<i>Calyptrea echinus.</i>
vii 4	Glyphis inæqualis.		<i>histris.</i>
	<i>Fissurella pica.</i>		<i>Crepidula costata</i> Mke.
	<i>mus.</i>		non Sb.
vii 5	Fissurella rugosa.		<i>Californica.</i>
	<i>F. chlorotrema.</i>	viii 4	Lophyrus articulatus Sb.
	<i>humilis.</i> [Rv.]	viii 5	Fissurella virescens.
	<i>viminea</i> Mke. non		

Pl.	Fig.		Pl.	Fig.
ix	1	Crucibulum imbricatum. <i>Patella scutellata.</i> <i>Calyppeopsis rugosa.</i> <i>Dyspotæa dentata.</i> <i>Calyptræa extinctorium</i> Sby. non Lam. <i>rugosa.</i>		<i>Calyptræa tubifera.</i> <i>Calyppeopsis 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	Crepidula indorsata. var. <i>bilobata.</i>		
ix	3	Crucibulum spinosum. <i>Patella Peziza.</i>	ix	4 Cæcum undatum.
			ix	5 Neritina cassiculum.

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 Rangia Cyrenoides.	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	Psephides Raf. (n. g.)	
122	parodoxa Raf.	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.		Page.
154	Odatelia Raf. (n. g.)	<i>Unio dehiscens</i> Say.
154	radiata Raf.	<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	Periploma trapezoides 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</i> Hald. (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>amœna</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.		Fig.	
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.		Page.	
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.

Macra solidissima.
Arca barbata.

Gould.—Lamarek'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 Lamarek. These only are given below.—W. G. B.]

Page.		Page.	
11	<i>Pholas oblongata.</i>	21	<i>Tellina iris.</i>
11	<i>truncata.</i>	21	<i>tenera.</i>
11	<i>cuneiformis.</i>	21	<i>intastriata.</i>
11	<i>pusillus.</i>	21	<i>lateralis.</i>
12	<i>Solen costatus.</i>	21	<i>decora.</i>
12	<i>centralis.</i>	21	<i>flexuosa.</i>
12	<i>viridis.</i>	21	<i>Tellinides rosea.</i>
13	<i>Mya acuta.</i>	25	<i>Cyclas rhomboidea.</i>
13	<i>mercenaria.</i>	25	<i>partumeia.</i>
13	<i>hyalina.</i>	27	<i>Cytherea occulta.</i>
13	<i>Anatina papyratia.</i>	28	<i>Venus castanea.</i>
13	<i>Leana.</i>	28	<i>inequalis.</i>
14	<i>Lutraria canaliculata.</i>	28	<i>elevata.</i>
15	<i>Macra similis.</i>	28	<i>præparca.</i>
15	<i>lateralis.</i>	28	<i>grata.</i>
15	<i>oblonga.</i>	28	<i>notata.</i>
15	<i>solidissima.</i>	29	<i>Venericardia tridentata.</i>
15	<i>arctata.</i>	30	<i>Cardium Mortoni.</i>
15	<i>tellinoides.</i>	30	<i>pinnulatum.</i>
15	<i>nucleus.</i>	33	<i>Arca staminea.</i>
15	<i>Erycina striata.</i>	33	<i>lienosa.</i>
16	<i>Solenomya velum.</i>	33	<i>ponderosa.</i>
17	<i>Corbula contracta.</i>	33	<i>pexata.</i>
17	<i>Pandora trilineata.</i>	33	<i>incongrua.</i>
21	<i>Tellina alternata.</i>	33	<i>transversa.</i>
21	<i>punicea.</i>	34	<i>Nucula limatula.</i>
21	<i>polita.</i>	34	<i>proxima.</i>

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>nndulatus.</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>scalenus.</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>convexa.</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>palliatu8.</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>Scalaria 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 Lamarek, &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	Potamilus latissimus Raf.	355	Potamilus gibbosus Raf.
355	violacinus Raf.	355	verrucosus Raf.
355	niger Raf.	355	tubercularis Raf.
355	fasciolaris Raf.	355	nodosus Raf.
355	phaiedrus Raf.	355	pusillus Raf.
355	ellipticus Raf.	355	subrotundus Raf.
355	zonalis Raf.	355	obovalis Raf.
355	obliquatus Raf.	355	Pleurocera retusa Raf.
355	retusus Raf.	355	saxatilis Raf.
355	truncatus Raf.	355	fasciata Raf.
355	triqueter Raf.	355	coneola Raf.
355	alatus Raf.	355	angulata Raf.
355	nervosus Raf.	355	turricula Raf.
355	fasciatus Raf.	355	Ambloxis eburnea Raf.
355	auratus Raf.	355	ventricosa Raf.

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.		Page.	
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 Fluvial 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.		Page.	
19	<i>Cerithium terebrale</i> Ad. prec. =	21	<i>Natica canaliculata</i> Gld. prec.
	<i>C. terrebellum.</i>		= <i>N. Gouldii</i> Adams.

Page.		Page.
23	<i>Cyclostoma obscurum</i> Gr. preoc. = <i>C. Grayanum</i> Adams.	32 <i>Helix cellaria</i> . <i>H. glaphyra</i> .
29	<i>Thetis</i> preoc. = <i>Gouldia</i> .	32 <i>Physa hypnorum</i> .
32	<i>Helix arbustorum</i> .	32 <i>Paludina vivipara</i> .
32	<i>aspersa</i> .	32 <i>Limnæa minuta</i> .
32	<i>hortensis</i> .	32 <i>desidiosa</i> .
32	<i>virgata</i> .	32 <i>Helix lucida</i> .
	Notes on—	32 <i>arborea</i> .
32	<i>Helix pulchella</i> .	

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 <i>Mya arenaria</i> .	296 Notes on <i>Ostrea edulis</i> .
296	<i>Venus mercenaria</i> .	(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	<i>Unio alatus</i> Say.	595 <i>Unio parvus</i> Barnes.
595	<i>costatus</i> Raf.	595 <i>Alasmodonta calceolata</i>
595	<i>iris</i> Lea.	595 <i>Cyclas similis</i> Say. [<i>Lea</i> .]
595	<i>bullatus</i> Raf.	595 <i>Helix monodon</i> Rack.
595	<i>fragilis</i> Raf.	595 <i>profunda</i> .
595	<i>luteolus</i> Lam.	595 <i>Planorbis campanulatus</i>
595	<i>dilatatus</i> Raf.	595 <i>trivolvus</i> Say. [<i>Say</i> .]
595	<i>coccineus</i> Hildr.	595 <i>Limnea reflexa</i> Say.
595	<i>cardium</i> Raf.	595 <i>fragilië</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 Conrad</i> (n. g.)
279	xxxix	1	<i>eburnea Conrad</i> .
279	xxxix	2	<i>Petricola sinuosa Conrad</i> .
279			<i>Pholadopsis Conrad</i> (n. g.)
279	xxxix	3	<i>pectinata Conrad</i> .
279	xxxix	4	<i>Parapholas bisulcata Conrad</i> .
279	xxxix	5	<i>Penitella Wilsoni Conrad</i> .
280	xxxix	6	<i>Triton perforatus Conrad</i> .
280	xxxix	7	<i>Oliva propatula Conrad</i> .

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 Raf.</i>	424 <i>Omphemis lacustris Raf.</i>
423	<i>Oxytrema Raf.</i>	424 <i>plaioxis Raf.</i>
423	<i>Campeloma Raf.</i>	424 <i>Lomastoma Raf.</i>
423	<i>crassula Raf.</i> Ohio river.	424 <i>terebrina Raf.</i>
423	<i>Omphaliscula Raf.</i>	424 <i>Eutrema Raf.</i>
423	<i>Espiphylla Raf.</i>	424 <i>terebroides Raf.</i>
424	<i>Leptoxis Raf.</i>	424 <i>Ellipstoma Raf.</i>
424	<i>Cyclemis Raf.</i>	424 <i>gibbosa Raf.</i>
424	<i>minutissima Raf.</i>	424 <i>vittata Raf.</i>
424	<i>olivacea Raf.</i>	424 <i>zonalis Raf.</i>
424	<i>Omphemis Raf.</i>	424 <i>marginata Raf.</i>

Page.		Page.	
425	<i>Odotropis Raf.</i>	425	<i>Toxotrema Raf.</i>
425	<i>Mesomphix Raf.</i>	425	<i>globularis Raf.</i>
425	<i>Triodopsis Raf.</i>	425	<i>complanata Raf.</i>
425	<i>Xolotrema Raf.</i>	425	<i>Stenotrema Raf.</i>
425	<i>lunula Raf.</i>	425	<i>convexa Raf.</i>
425	<i>triodopsis Raf.</i>	425	<i>Aplodon Raf.</i>
427	<i>Chimotrema Raf.</i>	425	<i>nodosum Raf.</i>
425	<i>planiuscula Raf.</i>		

[Descriptions of fossil univalves here follow.—W. G. B.]

Subgenera of <i>Unio</i> —		Subgenera of <i>Unio</i> —	
423	<i>Proptera Raf.</i>	426	<i>Obovaria Raf.</i>
426	<i>alata Raf.</i>	426	<i>obovalis Raf.</i>
423	<i>phaiedra Raf.</i>	426	<i>subrotunda Raf.</i>
426	<i>pallida Raf.</i>	427	<i>syntoxis Raf.</i>
423	<i>Eurynea Raf.</i>	427	<i>retusa Raf.</i>
423	<i>latissima Raf.</i>	427	<i>crassa Raf.</i>
426	<i>dilatata Raf.</i>	427	<i>torsa Raf.</i>
423	<i>solenoides Raf.</i>	427	<i>Truncilla Raf.</i>
426	<i>Elliptio Raf.</i>	427	<i>triquetra Raf.</i>
426	<i>Plagiola Raf.</i>	427	<i>truncata Raf.</i>
426	<i>verrucosa Raf.</i>	427	<i>Amblema Raf.</i>
426	<i>fasciolaris Raf.</i>	427	<i>ovalis Raf.</i>
426	<i>leptodon Raf.</i>	427	<i>Pleurorema Raf.</i>
426	<i>depressa Raf.</i>	427	<i>mytiloides Raf.</i>
426	<i>flava Raf.</i>	427	<i>conica Raf.</i>
426	<i>obliquata Raf.</i>		

[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	<i>Cyclas similis Say.</i>	79	<i>Pisidium dubium Say.</i>
79	<i>rhomboidea Say.</i>	79	<i>variabile Prime.</i>
79	<i>partumeia Say.</i>	79	<i>Unio cariosus Say.</i>
79	<i>solidula Prime.</i>	79	<i>ochraceus Say.</i>

Page.		Page.	
79	Unio nasutus <i>Say.</i>	81	Pupa contracta <i>Say.</i>
79	Fisherianus <i>Lea.</i>	81	pentodon <i>Binn.</i>
79	complanatus <i>Sol.</i>	81	procera <i>Gould.</i>
79	radiatus <i>Lam.</i>	81	rupicola <i>Say.</i>
79	heterodon <i>Lea.</i>	81	Vertigo milium <i>Gould.</i>
79	Alasmodonta marginata <i>Say.</i>	81	ovata <i>Say.</i>
79	undulata <i>Say.</i>	81	Carychium exiguum <i>Gould.</i>
79	Anodonta cataracta <i>Say.</i>	81	Ancylus fuscus <i>Adams.</i>
79	implicata <i>Say.</i>	81	rivularis <i>Say.</i>
79	areolata <i>Swains.</i>	81	tardus <i>Say.</i>
80	Tebennophorus Carolinen-	81	Lymnea columella <i>Say.</i>
	sis <i>Binn.</i>	81	desidiosa <i>Say.</i>
80	Limax agrestis <i>Müll.</i>	81	caperata <i>Say.</i>
80	Helix albolabris <i>Say.</i>	81	macrostoma <i>Say.</i>
80	alternata <i>Say.</i>	81	modicellus <i>Say.</i>
80	arborea <i>Say.</i>	81	humilis <i>Say.</i>
80	chersina <i>Say.</i>	82	Physa ancillaria <i>Say.</i>
80	concava <i>Say.</i>	82	elongata <i>Say.</i>
80	electrina <i>Gould.</i>	82	fragilis <i>Migh. & Ad.</i>
80	fraterna <i>Say.</i>	82	heterostropha <i>Say.</i>
80	fuliginosa <i>Grif.</i>	82	Planorbis bicarinatus <i>Say.</i>
80	gularis <i>Say.</i>	82	deflectus <i>Say.</i>
80	hirsuta <i>Say.</i>	82	exacutus <i>Gould.</i>
80	inflecta <i>Say.</i>	82	hirsutus <i>Gould.</i>
80	indentata <i>Say.</i>	82	parvus <i>Say.</i>
80	labyrinthica <i>Say.</i>	82	trivolvus <i>Say.</i>
80	ligera <i>Say.</i>	82	Melania multilineata <i>Say.</i>
80	lineata <i>Say.</i>	82	virginica <i>Say.</i>
80	pulchella <i>Gould.</i>	82	Anculosa carinata <i>Say.</i>
80	minuscula <i>Binn.</i>	82	monodonta <i>Say.</i>
80	suppressa <i>Say.</i>	82	Paludina decisa <i>Say.</i>
80	thyroidus <i>Say.</i>	82	subcarinata <i>Say.</i>
80	tridentata <i>Say.</i>	82	Amnicola lapidaria <i>Say.</i>
81	Succinea avara <i>Say.</i>	82	decisa <i>Hald.</i>
81	campestris <i>Say.</i>	82	porata <i>Say.</i>
81	ovalis <i>Gould.</i>	82	—— (n. s.)
81	obliqua <i>Say.</i>	82	—— (n. s.)
81	Bulimus fallax <i>Gould.</i>	82	Valvata pupoidea <i>Gould.</i>
81	lubricus <i>Gould.</i>	82	tricarinata <i>Say.</i>
81	Pupa armifera <i>Say.</i>		

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.*
bicarinatus *Say.*

- | | |
|--|--|
| <p>Planorbis campanulatus <i>Say.</i>
 <i>executus Say.</i>
 <i>parvus Say.</i>
 <i>trivolvus Say.</i></p> <p>Helix albolabris <i>Say.</i>
 <i>alternata Say.</i>
 <i>arboria Say.</i>
 <i>chersina Say.</i>
 <i>concava Say.</i>
 <i>clausa Say.</i>
 <i>electrina Say.</i>
 <i>fallax Say.</i>
 <i>fraterna Say.</i>
 <i>fuliginosa Binney.</i>
 <i>hirsuta Say.</i>
 <i>hydrophila Ingalls.</i>
 <i>indentata Say.</i>
 <i>ligera Say.</i>
 <i>labyrinthica Say.</i>
 <i>limatula Ward.</i>
 <i>lineata Say.</i>
 <i>minuscula Binney</i></p> | <p>Helix monodon <i>Rackett.</i>
 <i>multilineata Say.</i>
 <i>palliatu Say.</i>
 <i>perspectiva Say.</i>
 <i>profunda.</i>
 <i>solitaria Say.</i>
 <i>striatella Anthony.</i>
 <i>thyroides Say.</i>
 <i>tridentata Say.</i></p> <p>Succinea obliqua <i>Say.</i>
 <i>avara Say.</i>
 <i>ovalis Gould.</i>
 <i>vermetus Say.</i></p> <p>Bulimus fallax <i>Gould.</i></p> <p>Pupa contracta <i>Say.</i>
 <i>armifera Say.</i>
 <i>pentodon Say.</i></p> <p>Carychium exiguum <i>Say.</i></p> <p>Vertigo simplex <i>Gould.</i>
 <i>Gouldii Binney.</i></p> <p>Achatina lubrica <i>Müller.</i></p> |
|--|--|

Hildreth.—Catalogue of Fresh-water Shells found near Marietta, Ohio: by S. P. HILDRETH.

[No date, paging, or descriptions.—W. G. B.]

- | | |
|---|---|
| <p>Alasmodonta complanata <i>Bar.</i></p> <p>Unio plicatus <i>Say.</i>
 <i>ellipticus Barnes.</i>
 <i>siliquoides Barnes.</i>
 <i>anodontoides Lea.</i>
 <i>rectus Lam.</i>
 <i>ovatus Say.</i>
 <i>alatus Say.</i></p> <p>Alasmodonta rugosa <i>Barnes.</i></p> <p>Cyclas similis <i>Say.</i></p> <p>Unio heros <i>Say.</i>
 <i>tuberculatus Barnes.</i>
 <i>verrucosus Barnes.</i>
 <i>pustulatus Lea.</i>
 <i>pustulosus Lea.</i>
 <i>metanevrus Raf.</i>
 <i>cornutus Barnes.</i>
 <i>rugosus Barnes.</i>
 <i>perplexus Lea.</i></p> | <p>Unio irroratus <i>Lea.</i>
 <i>cylindricus Say.</i>
 <i>torsus Raf.</i>
 <i>pyramidatus Lea.</i>
 <i>undatus Barnes.</i>
 <i>mytiloides Raf.</i>
 <i>trigonus Lea.</i>
 <i>scalenius Raf.</i>
 <i>cuneatus Barnes.</i>
 <i>niger Raf.</i>
 <i>phaseolus Hildreth.</i>
 <i>ellipsis Lea.</i>
 <i>foliatus Hildreth.</i>
 <i>securis Lea.</i>
 <i>abruptus Say.</i>
 <i>gibbosus Barnes.</i>
 <i>elegans Lea.</i>
 <i>multiradiatus Lea.</i>
 <i>planus Barnes.</i></p> |
|---|---|

- | | |
|--|---|
| <p><i>Unio monodontus</i> Barnes.
 <i>occidens</i> Lea.
 <i>gracilis</i> Barnes.
 <i>lævissimus</i> Lea.
 <i>Alasmodonta marginata</i> Say.
 <i>Anodonta Ohioensis</i> Say.
 <i>areola</i> Say.
 <i>undulata</i> Say.
 <i>cataracta</i> Say.
 <i>Unio compressus</i> Lea.
 <i>ventricosus</i> Barnes.
 <i>plicatus</i> Say.
 <i>siliquoides</i> Barnes.
 <i>perplexus</i> Lea.
 <i>phaseolus</i> Hildreth.
 <i>sulcatus</i> Lea.</p> | <p><i>Unio ridibundus</i> Say.
 <i>politus</i> Say.
 <i>subrotundus</i> Raf.
 <i>parvus</i> Barnes.
 <i>zig-zag</i> Lea.
 <i>triangularis</i> Barnes.
 <i>dehiscens</i> Say.
 <i>pilens</i> Lea.
 <i>iris</i> Lea.
 <i>parvus</i> Barnes.
 <i>glans</i> Lea.
 <i>lapillus</i> Say.
 <i>calceolus</i> Lea.
 <i>plicatus</i>.
 <i>alatus</i>.</p> |
|--|---|

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	<i>Arca transversa</i> .	125	<i>Lucina divaricata</i> Lam.
124	<i>Cytherea Sayana</i> .	125	<i>Crepidula convexa</i> Say.
	<i>C. convexa</i> Say.	125	<i>glauca</i> Say.
124	<i>Pholas costata</i> Lam.	125	<i>plana</i> Say.
124	<i>Ostrea Virginiana</i> Gmel.	125	<i>Fusus cinereus</i> Say.
124	<i>Solen ensis</i> Linn.	125	<i>Nassa trivittata</i> Say.
124	<i>Saxicava rugosa</i> Lam.	125	<i>lunata</i> Say.
124	<i>Venus mercenaria</i> Lam.	125	<i>Natica duplicata</i> Say.
124	<i>Panopea reflexa</i> Say = P. Faujasii?	125	<i>heros</i> Say.
125	<i>Mactra tellinoides</i> Conr.	125	<i>Fulgur carica</i> Say.
125	<i>Pandora trilineata</i> Say.	125	<i>canaliculatus</i> Say.
125	<i>Cardita tridentata</i> Say.	125	<i>Scalaria clathrus</i> Lam.
125	<i>Lucina contracta</i> Say.	125	<i>Vermetus lumbricalis</i> Lam.
125	<i>crenulata</i> Conr.	125	<i>Rangia cyrenoides</i> . <i>Clathrudon cuneata</i> .

(Appendix to same.)

153	<i>Amphidesma inequale</i> Say.	153	<i>Corbula contracta</i> Say.
153	<i>Arthemis concentrica</i> .	153	<i>Oliva litterata</i> Lam.
153	<i>Anomia ephippium</i> Linn.	153	<i>zonalis</i> Lam.
153	<i>Cytherea gigantea</i> Lam.	153	<i>Pecten magellanicus</i> .
153	<i>Lutraria canaliculata</i> Say.	153	<i>Cerithium dislocatum</i> .
153	<i>Mactra lateralis</i> Say.		

Haldeman.—*Leptoxis*: par M. STEHMAN HALDEMAN. (From Illustrations Conchyliologiques, par M. Chenu, liv. 73.)

Pa. Pl.	Fig.	Name.	Locality.
2 i	1-18	Leptoxis prærosa 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	crassa Hald.	Clinch river, Tenn.
2 i	24-26	incisa Lea. <i>Anculosa incisa</i> Lea.	Alabama.
2 i, ii	27-34	obovata Say. <i>Melania obovata</i> Say. <i>Hildrethiana</i> Lea.	Ohio river.
3 ii	35-39	plicata Conrad. <i>Anculotus plicatus</i> Conrad. <i>Anculosa tuberculata</i> Lea.	Tenn. & Ala. rivers.
3 ii	40-58	subglobosa 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	rubiginosa Lea. <i>Anculosa rubiginosa</i> Lea. <i>Griffithiana</i> Lea.	Warrior and Coosa rivers, Ala.
3 iii	71-73	tæniata Conrad. <i>Anculosa tæniata</i> Conrad.	Claiborne.
3 iii	74-80	picta Conrad. <i>Anculosa flammata</i> Lea. <i>Foremani</i> Lea?	Alabama.
4 iii	81	Troostiana Lea. <i>Anculosa Troostiana</i> Lea.	Tennessee river.
4 iii	82	pisum Hald.	Tennessee river.
4 iii, iv	83-84	fusca Hald.	Oregon.
4	85-101	dissimilis Say. <i>Paludina dissimilis</i> Say. <i>Helix subcarinata</i> Wood. <i>Anculosa nigrescens</i> Conrad.	Pa., Va., &c.
4 iv	102-109	variabilis 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	Leptoxis littorina Hald. <i>Anculosa littorina</i> Hald. <i>Melania pilula</i> Lea.	Holston river, Va.
4 iv	111-120	dilatata 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	monodontoides Conrad. <i>Anculosa monodontoides</i> Conrad. <i>dentatus</i> Couth.	Virginia.
5 v	134-144	trilineata 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	melanoides Conrad.	Alabama.
5 v	147-150	virens Lea. <i>Paludina virens</i> Lea. <i>nuclea</i> Lea?	Wahlamat.
5 v	151	turgida Hald.	Alabama.
5 v	152	altilis Lea.	Susquehanna river.
6 v	153	crenata Hald.	Santee canal, S. C.
6 v	154	integra Say. <i>Melania integra</i> Say. <i>Anculotus pumilus</i> Conrad.	Ohio river.
6 v	155	isogona Say. <i>Melania isogona</i> Say. <i>Paludina pallida</i> Lea. <i>Ammicola isogona</i> Lea. <i>Mudalia isogona</i> Hald.	Ohio, Ky., Ind.
6 v	156	? Nuttalliana Lea. <i>Paludina Nuttalliana</i> L. <i>seminalis</i> Hinds?	Wahlamat creek.

Haldeinan.—Mollusca: by S. S. HALDEMAN. (In Rupp's History of Lancaster County, p. 479. Lancaster, Pa., 1844.)

Page.		Page.	
479	Melania virginica.	480	Ammicola limosa.
479	Anculosa dissimilis.	480	Instrica.
480	Paludina decisa.	480	granum.
480	—	480	Valvata tricarinata.

Page.		Page.	
480	Physa heterostropha.	482	Helix fuliginosa.
480	Limnea palustris.	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	Planorbis bicarinatus.	482	Succinea obliqua.
481	<i>parvus.</i>	482	Unio cariosus.
481	Ancylus rivularis.	482	<i>radiatus.</i>
481	Helix albolabris.	482	<i>complanatus.</i>
481	<i>thyroides.</i>	482	<i>viridis.</i>
481	<i>tridentata.</i>	482	Alasmodon undulatus.
481	<i>concava.</i>	482	<i>marginatus.</i>
481	<i>alternata.</i>	482	Anodon cataractus.
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	Solen ensis <i>L.</i>	119	Alasmodonta margaritifera
119	Solecurtus costatus <i>Say.</i>	119	<i>undulata</i> <i>Say.</i> [<i>Gmel.</i>]
119	Glycimeris siliqua <i>Lam.</i>	119	Anodonta marginata <i>Say.</i>
119	Mya mercenaria <i>Linn.</i>	119	Modiola papuana <i>Lam.</i>
119	<i>truncata.</i>	119	<i>picatula</i> <i>Lam.</i>
119	<i>hyalina</i> <i>Conr.</i>	119	Mytilus edulis <i>Linn.</i>
119	Anatina Leana <i>Conr.</i>	119	<i>pellucidus</i> <i>Penn.</i>
119	Mactra gigantea <i>Lam.</i>	119	Pecten Magellanicus <i>Lam.</i>
119	Solemya velum <i>Say.</i>	119	<i>Islandicus</i> <i>Lam.</i>
119	Saxicava distorta <i>Say.</i>	119	Ostrea Canadensis <i>Lam.</i>
119	Sanguinolaria fusca <i>Conr.</i>	119	Anomia ephippium.
119	Crassina Danmoniensis	119	Terebratula ———.
	<i>Astarte castanea</i> <i>Say.</i> [<i>Lam.</i>]	119	Chiton ———.
119	Cyprina Islandica <i>Lam.</i>	119	Patella amœna <i>Say.</i>
119	Cardium Icelandicum.	119	Crepidula fornicata <i>Say.</i>
119	<i>Grœnlandicum.</i>	119	<i>plana</i> <i>Say.</i>
119	Unio complanatus <i>Sol.</i>	119	Helix albolabris <i>Say.</i>

Page.		Page.	
119	Helix thyroïdus Say.	119	Turbo palliatus Say.
119	<i>alternata</i> Say.	119	<i>vestitus</i> Say.
119	Planorbis trivolvis Say.	119	Fusus corneus Say.
119	<i>campanulatus</i> Say.	119	<i>decemcostatus</i> Say.
119	Physa heterostropha Say.	119	<i>Islandicus</i> Martini.
119	Lymnæa columella Say.	119	Purpura lapillus Lam.
119	Paludina decisa Say.	119	Buccinum undatum Linn.
119	Natica heros Say.	119	Nassa obsoleta 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	Spirialis 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	Helix alternata.	120	Helix thyroïdus.
120	<i>arborea.</i>	121	<i>solitaria.</i>
120	<i>indentata.</i>	121	<i>zaleta.</i>
120	Ruderati.	121	<i>albolabris.</i>
120	<i>minuta.</i>	121	<i>thyroïdus.</i>
120	<i>clausa.</i>	121	<i>appressa.</i>
120	<i>ligera.</i>	121	<i>tridentata.</i>
120	Pennsylvanica.	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	Helix fuliginosa.	200	Helix glaphyra.

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			Mactra solidissima Chemn. <i>M. solida</i> (var. β) Gmelin. <i>procera</i> Solander. <i>grandis</i> Solander. <i>stultorum</i> Solander. <i>gigantea</i> Lam. <i>similis</i> Say.	
257	xi	1	arctata Conrad.	Mass. to Florida.
258	xi	2-3	tellinoides Conrad.	Northern coast.
258	xi	4	nucleus Conrad.	New Jersey.
258			Cardium laqueatum Conr. (fossil).	Maryland.
259	xi	5-7	Mortoni Conrad.	Northern coast.
260	xi	8	pinnulatum Conrad.	Massachusetts.
260			Pecten Pealeii Conrad.	Maine.
261	xi	12	Mya hyalina Conrad.	Northern coast.
261			Cytherea convexa Say.	Rhode Island.
263	xi	11	Anatina Leana Conrad.	Northern coast.
263	xi	13	Mytilus leucophæatus Conrad.	Southern coast.
264			Arca maxillata Conrad (fossil).	Maryland.
264	xi	14-15	Venus alveata Conrad. <i>V. paphia</i> Linn.	Maryland.
265			Pecten Magellanicus.	Maine.
266	xi	17-18	Velutina rupicola Conrad.	Massachusetts.
266	xi	19	Lacuna pertusa Conrad.	Massachusetts.
267	xi	20	Patella alveus 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.	Conrad. —Catalogue of Recent Shells found also in the Miocene: by T. A. CONRAD. [No descriptions.]	
i	404	Artemis acetabulum Conrad.	Florida.
i	404	<i>elegans</i> Conrad.	Florida.
i	404	Astarte lunulata Conrad.	Charleston.
i	404	Arca improcera Conrad.	Southern coast.
i	404	Anomia ephippium Linn.	
i	404	Amphidesma æquale 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>caurena</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.
Conrad. —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.	Conrad. —Observations on the Geology of a part of East	
ii	36	Florida, with a Catalogue of Recent Shells of the Coast: by T. A. CONRAD.	
ii	38	<i>Unio Blandingianus</i> Lea = Caro- linensis Bosc.	Savannah river.
ii	38	subinflatus Conrad.	Savannah river.
ii	38	Shepardianus Lea.	Savannah river.
ii	39	Ostrea Virginiana.	Near mouth St. John's r.
ii	39	Mytilus edulis.	Near mouth St. John's r.
ii	39	cubitus Say.	Near mouth St. John's r.
ii	39	Tellina lateralis Say.	Near mouth St. John's r.
ii	39	Amphidesma equalis Say.	Near mouth St. John's r.
ii	39	Maetra lateralis Say.	Near mouth St. John's r.
ii	39	Solecortus caribæus.	Near mouth St. John's r.
ii	39	Arca pexata Say.	Near mouth St. John's r.
ii	39	incongrua Say.	Near mouth St. John's r.
ii	39	ponderosa Say.	Near mouth St. John's r.
ii	39	Donax variabilis Say.	Near mouth St. John's r.
ii	39	Cardium magnum.	Near mouth St. John's r.
ii	39	Lucina divaricata.	Near mouth St. John's r.
ii	39	Petricola dactylus.	Near mouth St. John's r.
ii	39	Ranella caudata Say.	Near mouth St. John's r.
ii	39	Cryptostoma perspectiva Say.	Near mouth St. John's r.
ii	39	Crepidula plana Say.	Near mouth St. John's r.
ii	39	Littorina irrorata Say.	Near mouth St. John's r.
ii	39	Oliva litterata.	Near mouth St. John's r.
ii	39	Fulgur carica.	Near mouth St. John's r.
ii	39	canaliculata.	Near mouth St. John's r.
ii	39	Natica duplicata?	Near mouth St. John's r.
		All the above, except <i>Fulgur carica</i> and <i>Solecortus caribæus</i> , I sub- sequently found at Tampa bay.	
ii	39	Tellina radiata.	Fort Lauderdale.
ii	39	Polygyra plicata Say.	Key Biscayne.
ii	39	Nerita peleronta.	Indian Key.
ii	39	tessellata.	Indian Key.
ii	39	versicolor.	Indian Key.
ii	39	pica.	Indian Key.
ii	39	Littorina muricata.	Indian Key.
ii	40	Succinea avara Say.	Island near Indian Key.
ii	40	Polygyra plicata.	Island near Indian Key.
ii	40	septemvolva.	Island near Indian Key.
ii	40	Achatina fasciata.	Island near Indian Key.
ii	40	Spirula Peronii.	Island near Indian Key.
ii	40	Ianthina fragilis.	Island near Indian Key.
ii	40	Carditomeria Floridaana.	Island near Indian Key.
ii	40	Fasciolaria tulipa.	Key West.
ii	40	Nerita peleronta.	Key West.
ii	40	Fusus corona.	Key West.
ii	41	Strombus gigas.	Key West.
ii	41	Ninus cancellata Lam.	Mullet Key.
ii	41	Chama arcinella.	Mullet Key.
ii	41	Strombus pugillus.	Mullet Key.
ii	41	Natica canrena.	Egmont Key.
ii	41	Pecten dislocatus.	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 ehippium.</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 ehippium 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. [Conr.]</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 inequivalvis</i>
		Mighels.			Lam.
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>
		Bosc.	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	—————.	ii	395	<i>lateralis Say.</i>
ii	394	—————.	ii	395	—————.
ii	394	<i>Lucina nassula Conr.</i>	ii	395	—————.
ii	394	<i>cribata 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	Venus Mortoni <i>Conr.</i>	ii	397	Murex Tampaensis <i>Conr.</i>
ii	395	cuneimeris <i>Conr.</i>	ii	397	Marginella conoidalis
ii	396	Actæon Floridanus <i>C.</i>			<i>Kiener.</i>
ii	396	Bulla succinea <i>Conr.</i>	ii	397	succinea <i>Conr.</i>
ii	396	—	ii	397	albilabris <i>Conr.</i>
ii	396	Bullina canaliculata <i>S.</i>	ii	397	Monodonta —
ii	396	Cancellaria cancellata	ii	397	Melampus bidentatus
		<i>Lam.</i>			<i>Say.</i>
ii	396	Cerithium protextum <i>C.</i>	ii	397	Melongena (Fusus) co-
ii	396	septemstriatum <i>S.</i>			rona <i>Lam.</i>
ii	396	ericense <i>Kiener.</i>	ii	397	Natica duplicata <i>Say?</i>
		<i>C. nigrescens</i> <i>Mke.?</i>	ii	397	canrena <i>Lam.</i>
ii	396	dislocatum <i>Say.</i>	ii	397	Neritina (Theodoxus)
ii	396	—			reclivata <i>Say.</i>
ii	396	—	ii	397	Oliva litterata <i>Lam.</i>
		[<i>Lam.</i>]	ii	397	mutica <i>Lam.</i>
ii	396	Crepidula fornicata	ii	398	Ovulum aciculare <i>Lam.</i>
ii	396	maculosa <i>Conr.</i>	ii	398	Patella —
ii	396	aculeata <i>Lam.</i>	ii	398	Pleurotoma —
ii	396	unguiformis <i>Lam.</i>	ii	398	—
		<i>C. plana</i> <i>Say.</i>	ii	398	Pollia tinctoria <i>Conr.</i>
ii	396	Cypræa pediculus.	ii	398	cancellaria <i>Conr.</i>
ii	396	Cassia sulcosa <i>Lam.</i>	ii	398	Pyrula papyraria <i>Say</i>
ii	396	Columbella avara <i>Say.</i>			(<i>Ficus</i>).
ii	396	—	ii	398	Pyramidella alveata <i>C.</i>
ii	396	Conus —	ii	398	Pirena scalariformis <i>S.</i>
		[<i>Conr.</i>]	ii	398	Ranella caudata <i>Say.</i>
ii	396	Dentalium eboreum	ii	398	Strombus pugilus.
ii	396	coarctatum <i>Lam.</i>	ii	398	Scalaria —
		<i>D. gadus</i> <i>Sowb.</i>	ii	398	Triton lineolatum <i>Conr.</i>
ii	396	Fulgur perversus <i>Lam.</i>	ii	398	Turbo castaneus.
ii	396	pyruloides <i>Say.</i>	ii	398	Trochus Tampaensis <i>C.</i>
ii	397	Fasciolaria trapezium	ii	398	Voluta Junonia.
		<i>Lam.</i>	ii	398	Vermetus lumbricalis.
ii	397	dislocatus <i>Lam.</i>	ii	398	Pholas costata.
ii	397	tulipa <i>Lam.</i>	ii	398	Teredo navalis.
ii	397	Fusus ferrugatus <i>Conr.</i>	ii	398	Polygyra plicata.
		(<i>Manatee R.</i>) (<i>deser.</i>)	ii	398	septemvolva.
ii	397	Fissurella —	ii	398	Glandina truncata.
ii	397	Littorina littorea <i>Say.</i>	ii	398	Pupa —
ii	397	(<i>Phasianella</i>) angu-	ii	398	Achatina fasciata.
		lifera <i>Lam.</i>	ii	398	Succinea campestris.
ii	397	Murex ostrearum <i>Conr.</i>			
ii	397	cellulosa <i>Conr.</i>			

Jan. 1847. **William Case.**

Vol.	Page.	Fig.	Name.	Locality.
iii	101	1-3	Helix annulata <i>Case.</i>	Lake Superior.
iii	101	4, 5	Planorbis multivolvis <i>Case.</i>	Michigan.
Mar.	1847.		Gould. —Note on the above descriptions of Case: by Dr. A. A. GOULD.	
iii	276		<i>Helix annulata</i> <i>Case</i> = H. striatella junior.	

[American Journal of Science—continued.]

Vol.	Page	Fig.	Name.	Locality.		
Sept.	1848		A. A. Gould. —Descriptions of Connecticut Shells collected and named by the late Rev. J. H. LINSLEY.			
vi	233	1, 2	Astarte mactracea Gould.	Connecticut.		
vi	233		<i>Cytherea morrhuana</i> Linsley = C. convexa Say.			
vi	233		<i>Unio Pequotinus</i> Lins. = U. latus Raf. (<i>U. rectus</i> Say).			
vi	234	3	Cyclas truncata Linsley.	Connecticut.		
vi	234	4, 5	Anodonta Housatonica Linsley.	Connecticut.		
vi	235	6	Pecten fuscus Linsley.	Connecticut.		
vi	236		<i>Helix Trumbulli</i> = Skenea serpuloides .	Connecticut.		
vi	236	7	Fusus Trumbulli Linsley.	Connecticut.		
vi	236	8	Buccinum zonale Linsley.	Connecticut.		
Mar.	1856.		T. A. Conrad.			
xxi	172		Unio diversus Conr. (fig.)	Shoal creek, N. Ala. Phoenixville, Pa., & Trenton.		
xxi	172		<i>viridis</i> Raf.			
Jan.	1858		Stimpson. —Criticism on the Mollusca of Rink's "Greenland:" by WILLIAM STIMPSON. [No descriptions, but many critical remarks.—W. G. B.]			
xxv	125		Tellina tenera Say; if preoc., may be called— <i>T. agilis</i> Stimpson.			
March,	1859.		Smith. —Depth of Mollusca of Peconic and Gardiner's Bays, Long Island, N. Y.: by SANDERSON SMITH.			
Vol.	Pa.		Name.	Vol.	Pa.	Name.
xxvii	281		Loligo illecebrosa.	xxvii	282	Chemnitzia interrupta.
xxvii	281		Ranella caudata.	xxvii	282	Scalaria clathrus.
xxvii	281		Pyrula canaliculata.	xxvii	282	<i>lineata.</i>
xxvii	281		<i>carica.</i>	xxvii	282	Cerithium Sayii.
xxvii	281		Buccinum plicosum.	xxvii	282	<i>nigrocinctum.</i>
xxvii	281		Nassa obsoleta.	xxvii	282	Greenii. [sonif.]
xxvii	281		<i>trivittata.</i>	xxvii	282	Cerithiopsis Emer-
xxvii	281		Columbella avara.	xxvii	282	<i>terebellum.</i>
xxvii	281		Gouldiana.	xxvii	282	Cæcum pulchellum.
xxvii	281		<i>lunata.</i>	xxvii	282	Vermetus radicola.
xxvii	281		Pleurotoma cerinum.	xxvii	282	Littorina rudis.
xxvii	281		<i>plicatum.</i>	xxvii	282	<i>littoralis.</i>
xxvii	281		Natica heros.	xxvii	282	Lacuna vincta.
xxvii	281		<i>duplicata.</i>	xxvii	282	<i>fusca.</i>
xxvii	281		<i>triseriata.</i>	xxvii	282	Rissoa minuta.
xxvii	281		<i>pusilla.</i>	xxvii	282	Skenea (n. s.)
xxvii	282		<i>immaculata.</i>	xxvii	282	Calyptrea striata.
xxvii	282		Eulima subangulata.	xxvii	282	Crepidula fornicata.
xxvii	282		Chemnitzia producta.	xxvii	282	<i>convexa.</i>
xxvii	282		<i>fusca.</i>	xxvii	282	<i>unguiformis.</i>
xxvii	282		<i>seminuda.</i>	xxvii	282	Tectura testudinalis.
xxvii	282		<i>trifida.</i>	xxvii	282	Chiton apiculatus.
xxvii	282		<i>bisuturalis.</i>	xxvii	282	Melampus corneus.

[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>pezata.</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>Cochlodessa 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				Storer. —Description of a new species of Marginella: by D. HUMPHREYS STORER, M. D.	
i	4	465	x	2	<i>Marginella carnea</i> Storer.	Key West.
i	4	466			Binney. —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		<i>Helix major</i> Binney.	[For locality, vide quotations from "Terrestrial Mollusks."]
i	4	475	xiii		<i>H. albolabris</i> var. <i>maxima</i>	
i	4	480	xiv		<i>albolabris</i> Say. [Fer.	
i	4	482	xv		<i>multilineata</i> Say.	
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	4	490	xix		<i>Mesodon leucodon</i> Raf:	
					<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		Helix zaleta Say. <i>H. albolabris</i> var. <i>unidentata</i> Fer.	
i	4	494	xxi		dentifera Binney.	
Febr. 1838						
ii	1	53			Couthouy. —Descriptions of new species of Mollusca and Shells, and Remarks on several Polypi found in Massachusetts Bay: by JOSEPH P. COUTHOUY.	
ii	1	59	iii	2	Tellina sordida Couth.	
ii	1	61	iii	6	Cardium pubescens Couth.	
ii	1	62	iii	7	Nucula myalis Couth.	
ii	1	64	iii	8	tenuisulcata Couth.	
ii	1	65			Terebratula septentrionalis Couth.	
ii	1	67	i	1	Eolis Bostoniensis Couth.	
ii	1	68	i	2	(<i>Cavolina</i>) salmonacea Couth.	
ii	1	69	i	3	(<i>Tergipes</i>) gymnota Couth.	
ii	1	74	ii	1-4	Tritonia Reynoldsii Couth.	
ii	1	80			Chiton fulminatus Couth.	
ii	1	82			sagrinatus Couth.	
ii	1	83	iii	10	Emersonii Couth.	
ii	1	86			Patella candida Couth.	
ii	1	87			Rimula Noachina 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	Bulla triticea Couth.	
ii	1	89			Natica consolidata Couth.	
ii	1	90			Oxynoë? glabra Couth.	
ii	1	92	ii	7	Jamnia exigua Couth.	
ii	1	93	iii	4	Scalaria subulata Couth.	
ii	1	96	iii	5	Novangli Couth.	
ii	1	98			Turbo incarnatus Couth.	
ii	1	99	iii	9	cinereus Couth.	
ii	1	100			obscurus Couth.	
ii	1	101	i	6	Pyramis striatulus Couth.	
ii	1	103	iii	1	Turritella erosa Couth.	
ii	1	104	i	11	Pleurotoma bicarinata Couth.	
ii	1	105	iii	3	Cancellaria buccinoides Couth.	
ii	1	106	i	10	Fusus harpularius Couth.	
ii	1	107	i	9	pleurotomarius Couth.	
ii	1	108	iii	2	Trichotropis costellatus Couth.	
[The following mentioned by name only]:—						
ii	1	110			Modiola discors Linn.	
ii	1	110			discrepans Lam.	
ii	1	110			Valvata tricarinata Say.	
ii	1	110			Natica immaculata Totten.	
ii	1	110			Galericulum lævigatum Brown.	
ii	1	110			ovatum Brown.	
ii	1	111			Fusus turriculus Mont.	
ii	1	111			Nassa acuta Say.	
ii	1	111			Actæon trifidus (<i>Jamnia</i>) Tott.	

[Boston Journal of Natural History—continued.]

Vol.	No.	Pa.	Plate.	Fig.	Name.	Locality.
ii	1	111			Polyclinum —— ?	
ii	1	111			Botryllus stellatus Pallas.	
ii	1	111			Ascidia rustica Linn.	
ii	1	111			microcosmus Cuv.	
ii	1	111			intestinalis Linn.	
ii	1	111			pedunculata Lam.	
ii	1	122			Storer. —Description of a new species of <i>Nucula</i> from Massachusetts Bay: by D. HUMPHREYS STORER, M. D.	
ii	1	122			Nucula thraciæformis Storer (with a fig.)	
Feb.	1839				Couthouy. —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	Thracia Conradi Couth. <i>T. declivis</i> Conr. <i>Anatina convexa</i> Hitchcock's Catalogue.	New England.
ii	2	166			Osteodesma hyalina Conr. <i>Mya hyalina</i> Conr.	
ii	2	170			Cochloodesma Couth. (n. g.)	
ii	2	170			Cochleodesma Leana Conr. <i>Anatina Leana</i> Conr.	
ii	2	171			Patelloidea amœna Say. <i>Patella amœna</i> Say.	
ii	2	177			alveus Conr. <i>Patella alveus</i> Conr.	
ii	2	178	iv	4	Nucula navicularis Couth.	Massachus'ts Bay.
ii	2	179	iii	15	Bulla lineolata Couth.	Massachus'ts Bay.
ii	2	180	iv	5	hiemalis Couth.	Massachus'ts Bay.
ii	2	181	iv	6	Gouldii Couth.	Massachus'ts Bay.
ii	2	183	iv	8	Pleurotoma decussata Couth.	Massachus'ts Bay.
ii	2	185	iv	7	Anculotus dentatus Couth.	Potomac, Va.
ii	2	187	iv	9	Eolis diversa Couth.	Massachus'ts Bay.
ii	2	262			Adams. —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			Columbella avara Say.	
ii	2	264			Buccinum vibex. <i>Nassa vibex</i> Say.	
ii	2	265			trivittatum Say. <i>Nassa trivittata.</i>	
ii	2	266			lunata Say. <i>Nassa lunata.</i>	

[Boston Journal of Natural History—continued.]

Vol.	No.	Pa.	Plate.	Fig.	Name.	Locality.
ii	2	267			Buccinum obsoletum. <i>Nassa obsoleta</i> Say. <i>B. oliviforme</i> Kiener.	
ii	2	268			Purpura lapillus Linn. <i>Buccinum lapillus</i> L.	
ii	2	269			Ranella caudata Say.	
ii	2	269			Pyrula canaliculata Lam. <i>Murex canaliculata</i> Linn.	
ii	2	269			carica Lam. <i>Murex carica</i> Gmelin.	
ii	2	272			Fusus cinereus Say.	
ii	2	273			Cerithium reticulatum Tott. <i>Pasithea nigra</i> Totten.	
ii	2	275			Turritella interrupta Totten.	
ii	2	276			Crepidula plana Say.	
ii	2	278			forficata Lam. <i>Patella forficata</i> Linn	
ii	2	279			convexa Say.	
ii	2	280	iv	13	Jamina seminuda Adams.	Dartmouth har'r.
ii	2	282	iv	9	Pyramis fusca Adams.	New Bedford.
ii	2	284	iv	10	Cerithium Emersonii Adams.	New Bedford.
ii	2	286	iv	11	nigrocinctum Adams.	Dartmouth har'r.
ii	2	287	iv	12	Greenii Adams.	Dartmouth har'r.
Jan.	1840				Anthony. —Descriptions of three new species of Shells: by J. G. ANTHONY.	
iii	1, 2	278	iii	1	Anculotus costatus Anth.	Cincinnati.
iii	1, 2	278	iii	2	Helix striatella Anth. [Anth.]	Cincinnati.
iii	1, 2	279	iii	3	Paludina Cincinnatiensis	Cincinnati.
July,	1840				Adams. —Descriptions of thirteen new species of New England Shells: by C. B. ADAMS, A. M.	
iii	3	318	iii	6	Pleurotoma plicata Adams.	New Bedford.
iii	3	320	iii	7	Cerithium terebrale Adams. <i>C. Emersonii</i> (var.) Ad.	New Bedford.
iii	3	322	iii	8	Jamina producta Adams.	Fairhaven.
iii	3	323	iii	9	Tornatella punctostriata	New Bedford.
iii	3	324	iii	13	Limnæa pallida Ad. [Ad.]	Lake Champlain.
iii	3	325	iii	14	umbilicata Adams.	New Bedford.
iii	3	326	iii	15	Planorbis virens Adams.	New Bedford. [&c.
iii	3	327	iii	16	elevatus Adams.	S. Bos'n, L. George,
iii	3	329	iii	17	Ancylus fuscus Adams.	Andover & Mans-
iii	3	330	iii	11	Cyclas elegans Adams.	Vermont. [field.
iii	3	331	iii	18	Pupa badia Adams.	Crown Point, N. Y.
					Adams. —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			Tellina tenta Say.	N. England, S. C.
iii	3	334			Delphinula (?) serpuloides. <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			Cerithium Emersonii Adams.	New Bedford.
iii	3	336			Greenii Adams.	New Bedford, &c.
iii	3	337			Jaminia seminuda Adams.	New Bedford.
iii	3	337			fusca Adams. <i>Pyramis fusca</i> Adams.	Fairhaven.
Binney. —A Monograph of the Helices inhabiting the United States: by AMOS BINNEY, M. D. (Continued from vol. i.)						
iii	3	353	vii		Helix palliata Say. <i>H. obstricta</i> Say. <i>denotata</i> Fer. <i>Carolinensis</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		appressa Say. <i>H. linguifera</i> Fer.	
iii	3	358	ix	1	inflecta Say. <i>H. clausa</i> Fer. <i>Tridopsis clausa</i> Raf.	
iii	3	360	x	1	monodon Rackett. <i>H. Leaii</i> Ward MS.	
iii	3	363	x	2	fraterna Say. <i>H. monodon</i> Wood. <i>convexa</i> Desh.	
iii	3	365	x	3	hirsuta Say. <i>H. fraterna</i> Wood. <i>Stenotrema convexa</i> Raf.	
iii	3	367	xi	2	spinosa Lea. <i>Carocolla spinosa</i> Lea.	
iii	3	369	xii		Nuttalliana Lea.	
iii	3	371	xiii		Townsendiana Lea.	
iii	3	372	xiv		concava Say. <i>H. planorboides</i> Fer. <i>Vancouverensis</i> Lea. <i>Mesomphix planorboides</i>	
iii	3	375	ix	2	pulchella Müll. [Raf. <i>H. palulosa</i> Montagu. <i>minuta</i> Say.	
iii	3	377	xv		profunda Say. <i>H. Richardi</i> Fer.	
iii	3	379	xvi		Sayii Binney. <i>H. diodontu</i> Say, preoc.	
iii	3	382	xvii		tridentata Say.	
			xviii		<i>H. fallax</i> Say.	
iii	3	384	xix	1, 2	auriculata Say. <i>Polygyra auriculata</i> Say. <i>arara</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	Helix fatigiata Say. <i>Polygyra plicata</i> Say. <i>fatigiata</i> Say. <i>Dorfeulliana</i> Lea <i>Troostiana</i> Lea.	
iii		391	xix	4	septemvolva Say. <i>Polygyra septemvolva</i> Say. <i>H. septemvolva</i> Fer. <i>planorbula</i> Lam.	
iii	3	393	xxvi	1	labyrinthica Say.	
Anthony. —Descriptions of two new species of <i>Anculotus</i> : by J. G. ANTHONY.						
iii	3	394	iii	5	Anculotus carinatus Anth.	Kanawha falls.
iii	3	395	iii	4	Kirtlandianus Anth.	Kanawha falls.
iii	3	395			Gould. —Monograph of the species of Pupa found in the United States, with figures: by AUGUSTUS A. GOULD, M. D.	
iii	3	397	iii	19	Pupa corticaria Say.	[Localities not
iii	3	398	iii	20	exigua Say.	given, as they are
iii	3	399	iii	22	contracta Say.	included in the
iii	3	400	iii	10	armifera Say.	quotations from
iii	3	401	iii	12	procera Gould.	"Terrestrial Mol-
iii	3	402	iii	23	millium Gould.	lusks U. S."—W.
iii	3	403	iii	21	simplex Gould.	G. B.]
iii	3	404			badia Adams.	
Nov.	1841				Binney. —A Monograph of the <i>Helices</i> inhabiting the United States: by AMOS BINNEY, M. D. (Continued.)	
iii	4	405	xxi	1	Helix interna Say. <i>H. pomum-Adami</i> Green.	[For localities, see
iii	4	408	xi	1	gularis Say.	"Terrestrial Mol-
iii	4	410	xi	3	suppressa Say.	lusks U. S."—W.
iii	4	412	xx	1	ligera Say. <i>H. Rafinesquea</i> Fer. <i>Wardiana</i> Lea.	G. B.]
iii	4	413	xx	2	intertexta Binney.	
iii	4	415	xxii	3	indentata Say.	
iii	4	416	xxvi	3	chersina Say.	
iii	4	417	xxiv		fuliginosa Griffith ined. <i>H. lucubrata</i> Say. <i>lavigata</i> Fer.	
iii	4	419	xxi	3	inornata Say.	
iii	4	421			cellaria Müll. <i>H. nitida</i> Drap. <i>glaphyra</i> Say.	
iii	4	422	xxii	1	arborea Say.	
iii	4	423	xxii	2	electrina Gould.	
iii	4	425	xxii	5	multidentata Binney.	
iii	4	426	xxiii		solitaria Say.	

[Boston Journal of Natural History—continued.]

Vol.	No.	Pa.	Plate.	Fig.	Name.	Locality.
iii	4	428	xxv		Helix alternata <i>Say.</i>	
					<i>H. scabra</i> Lam.	
iii	4	430	xxi	4	perspectiva <i>Say.</i>	
					<i>H. parvula</i> Desh.	
iii	4	432	xxi	5	striatella <i>Auth.</i>	
iii	4	434	xxi	2	limatula <i>Ward</i> , ined.	
iii	4	435	xxii	4	minuscule <i>Binney.</i>	
iii	4	436	xxii	6	lineata <i>Say.</i>	
iii	4	483			Gould. —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			Limnæa palustris.	
iii	4	488			<i>stagnalis.</i>	
iii	4	489			Bulimus acutus.	
iii	4	489			Helix variabilis.	
iii	4	489			<i>Pisana.</i>	
iii	4	489			Alasmodon margaritifera.	
					<i>&c. &c.</i>	
Jan.	1842				Mighels & Adams. —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	Thracia truncata <i>M. & Ad.</i>	Casco bay.
iv	1	39	iv	2	Cyclas minor <i>M. & Ad.</i>	Weybridge, Vt., Portland, Me.
iv	1	39	iv	3	<i>nitida</i> <i>M. & Ad.</i>	Oxford Co., Me.
iv	1	40	iv	5	Nucula delphinodonta <i>M. & A.</i>	Casco bay.
iv	1	40	iv	6	Cascoensis <i>M. & Ad.</i>	Casco bay.
iv	1	41	iv	7	Pecten tenuicostatus <i>M. & Ad.</i>	Casco bay.
iv	1	42	iv	8	Chiton mendicarius <i>M. & Ad.</i>	Casco bay.
iv	1	42	iv	9	Cemoria princeps <i>M. & Ad.</i>	Maine.
iv	1	43	iv	10	Bulla puncto-striata <i>M. & Ad.</i>	Casco bay.
iv	1	44	iv	12	Physa fragilis <i>M. & Ad.</i>	Monmouth, Me.
iv	1	45	iv	13	Limnæa decollata <i>M. & Ad.</i>	Unity, Me.
iv	1	46	iv	14	Margarita varicosa <i>M. & Ad.</i>	Bay Chaleur.
iv	1	46	iv	15	acuminata <i>M. & Ad.</i>	Gulf St. Lawr'ce.
iv	1	47	iv	16	Trochus occidentalis <i>M. & Ad.</i>	Casco bay.
iv	1	48	iv	22	Cingula latior <i>M. & Ad.</i>	Casco bay.
iv	1	49	iv	24	arenaria <i>M. & Ad.</i>	Casco bay.
					<i>Turbo arenarius</i> Mont.	
iv	1	49	iv	23	semicostata <i>M. & Ad.</i>	Casco bay.
					<i>Turbo semicostata</i> Mont.?	
iv	1	50	iv	20	Turritella costulata <i>M. & Ad.</i>	Casco bay.
iv	1	50	iv	19	reticulata <i>M. & Ad.</i>	Bay Chaleur.
iv	1	51	iv	21	Pleurotoma violacea <i>M. & Ad.</i>	Casco bay.
iv	1	51	iv	17	Fasciolaria ligata <i>M. & Ad.</i>	Gulf St. Lawr'ce.
iv	1	52	iv	18	Fusus cancellatus <i>M. & Ad.</i>	Casco bay.
iv	1	53	iv	4	Nucula antiqua <i>M. & Ad.</i> , fossil.	Portland, Me.
iv	1	54	iv	11	Bulla occulta <i>M. & Ad.</i> , fossil.	Portland, Me.

[Boston Journal of Natural History—continued.]

Vol.	No.	Page.	Name.	Locality.	
Sept.	1842.				
iv	2	163	Binney. —Descriptions of some of the species of Naked Air-breathing Mollusca inhabiting the United States: by AMOS BINNEY, M. D.		
iv	2	164	Tebennophorus Binney (n. g.)	[Localities are quoted from the "Terrestrial Mollusks U. S."—W. G. B.]	
iv	2	164	Limax flavus Linn. <i>L. variegatus</i> Dr.		
iv	2	166	agrestis Linn. <i>L. tunicata</i> Gould.		
iv	2	169	campestris Binney.		
iv	2	170	Arion hortensis Fer. <i>Limax hortensis</i> Lam.		
iv	2	171	Tebennophorus Carolinensis Bosc. <i>Limax Carolinensis</i> Bosc. <i>togata</i> Gould. <i>Philomycus Carolinensis</i> Fer.		
iv	2	174	Philomycus dorsalis Binney.		
			Binney. —Description of—		
iv	2	241	Helix subplana Binney.		Tennessee.
Apr.	1843.				
iv	2	108	Mighels. —Catalogue of the Marine, Fluvial, 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	Pholas crispata Linn.	iv	3	316	Saxicava distorta Linn.
iv	3	312	Solen ensis Linn.	iv	3	317	Petricola pholadiformis Lam.
iv	3	312	Solecortus Caribæus <i>Chemn.</i>	iv	3	317	Sanguinolaria fusca S.
iv	3	313	Machæra nitida Gould.	iv	3	317	Tellina sordida Couth.
iv	3	313	<i>costata</i> Say.	iv	3	318	Lucina (Cryptodon) <i>flexuosa</i> Mont.
iv	3	313	Solemya velum Say.	iv	3	318	<i>radula</i> Mont.?
iv	3	313	<i>borealis</i> Totten.	iv	3	318	Cyclas similis Say.
iv	3	313	Panopæa arctica Lam.	iv	3	318	<i>partumefa</i> Say.
iv	3	314	Glycimeris siliqua Chem.	iv	3	319	<i>calyculata</i> Dr.?
iv	3	314	Mya arenaria 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	Pandora trilineata Say.	iv	3	319	Astarte undata Gould.
iv	3	315	Osteodesma (Lyonsia) <i>hyalina</i> Conr.	iv	3	319	<i>castanea</i> Say.
iv	3	315	Cochlodesma (Anatina) Leana Conr.	iv	3	319	<i>quadrans</i> Gould.
iv	3	315	Thracia Conradi Couth.	iv	3	320	<i>lactea</i> Br. & Sowb.
iv	3	315	<i>truncata</i> Mighels.	iv	3	320	<i>Portlandica</i> Mighels.
iv	3	315	Mactra gigantea Lam.	iv	3	320	Cyprina Islandica Linn.
iv	3	316	<i>grandis</i> Desh.? <i>M. oralis</i> Gld. [Conr.]	iv	3	320	Cytherea convexa Say.
iv	3	316	Mesodesma arctata	iv	3	320	Venus mercenaria Linn.
iv	3	316	Jauresii Joannis.	iv	3	320	<i>notata</i> Say.
				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	Cardium Islandicum	iv	3	330	Patella candida <i>Couth.</i>
			<i>Linn.</i>	iv	3	330	amœna <i>Say.</i>
iv	3	321	Grœnlandicum <i>Chem.</i>	iv	3	330	alveus <i>Conr.</i>
			<i>Aphrodite columba</i> <i>Lea.</i>	iv	3	330	Dentalium entalis <i>Linn.</i>
iv	3	321	pinnulatum <i>Conr.</i>	iv	3	330	dentale <i>Linn.</i>
iv	3	322	Cardita borealis <i>Conr.</i>	iv	3	330	Cemoria (Patella) no-
iv	3	322	Arca glacialis <i>Mighels.</i>				achina.
iv	3	322	Nucula limatula <i>Say.</i>	iv	3	330	princeps <i>Mighels.</i>
iv	3	323	thraciiformis <i>Storer.</i>	iv	3	331	Hipponix ? ———
iv	3	323	proxima <i>Say.</i>	iv	3	331	Calyptrœa striata <i>Say.</i>
iv	3	323	minuta <i>Gmel.</i>	iv	3	331	Crepidula (Patella) for-
iv	3	323	tenuis <i>Mont.</i>				nicata <i>Linn.</i>
iv	3	323	myalis <i>Couth.</i>	iv	3	331	plana <i>Say.</i>
iv	3	323	navicularis <i>Couth.</i>	iv	3	331	Bulla Gouldii <i>Couth.</i>
iv	3	323	sapotilla <i>Gould.</i>	iv	3	331	debilis <i>Gould.</i>
iv	3	323	rostrata <i>Mont.</i>	iv	3	331	triticea <i>Couth.</i>
iv	3	324	Jacksonii <i>Gld., fossil.</i>	iv	3	331	lineolata <i>Couth.</i>
iv	3	324	antiqua <i>Migh., fossil.</i>	iv	3	332	oryza <i>Tott.</i>
iv	3	324	delphinodonta <i>Migh.</i>	iv	3	332	puncto-striata <i>Migh.</i>
iv	3	324	cascoensis <i>Mighels.</i>	iv	3	332	pertenuis <i>Migh.</i>
iv	3	324	Portlandica <i>Hutch., fos.</i>	iv	3	332	occulta <i>Migh., fossil.</i>
iv	3	324	Unio complanatus <i>Sol.</i>	iv	3	332	Helix albolabris <i>Say.</i>
iv	3	324	radiatus <i>Gmel.</i>	iv	3	332	thyroidus <i>Say.</i>
iv	3	324	ochraceus <i>Say.</i>	iv	3	332	hortensis <i>Müll.</i>
iv	3	325	Alasmodon arcuata	iv	3	333	fraterna <i>Say.</i>
iv	3	325	undulata <i>S. [Barnes.]</i>	iv	3	333	pulchella <i>Müll.</i>
iv	3	325	marginata <i>Say.</i>	iv	3	333	alternata <i>Say.</i>
iv	3	325	Anodon cataracta <i>Say.</i>	iv	3	333	striatella <i>Anth.</i>
iv	3	325	marginata <i>Say.</i>	iv	3	333	lineata <i>Say.</i>
iv	3	325	implicata <i>Say.</i>	iv	3	333	indentata <i>Say.</i>
iv	3	326	Mytilus edulis <i>Linn.</i>	iv	3	333	arborea <i>Say.</i>
iv	3	326	var. pellucidus <i>Penn.</i>	iv	3	333	labyrinthica <i>Say.</i>
iv	3	326	Modiola modiolus <i>Lin.</i>	iv	3	333	electrina <i>Gould.</i>
iv	3	326	plicatula <i>Lam.</i>	iv	3	333	chersina <i>Say.</i>
iv	3	326	nexa <i>Gould.</i>	iv	3	333	Sayi <i>Binney.</i>
iv	3	326	pectinula <i>Gould.</i>	iv	3	334	Pupa contracta <i>Say.</i>
iv	3	327	discrepans <i>Mont.</i>	iv	3	334	modesta <i>Say.</i>
iv	3	327	glandula <i>Tott. [Gmel.]</i>	iv	3	334	curvidens <i>Gould.</i>
iv	3	327	Pecten Magellanicus				P. pentodon <i>Say.</i>
			<i>P. tenuicostatus</i> <i>Migh.</i>	iv	3	334	exigua <i>Say.</i>
iv	3	327	Islandicum <i>Müll.</i>	iv	3	334	Bulimus lubricus <i>Müll.</i>
iv	3	327	Ostrea borealis <i>Lam.</i>	iv	3	334	Succinea campestris <i>S.</i>
iv	3	328	Anomia ephippium				<i>S. obliqua</i> <i>Say.</i>
iv	3	328	aculeata <i>Gmel. [Lister.]</i>	iv	3	334	avara <i>Say.</i>
iv	3	329	Terebratula caput-ser-	iv	3	334	ovalis <i>Say.</i>
			pentis <i>Linn.</i>	iv	3	335	Planorbis trivolvis <i>Say.</i>
iv	3	329	psittacea <i>Gmel.</i>	iv	3	335	lentus <i>Say.</i>
iv	3	329	Chiton lævigatus <i>Flem.</i>	iv	3	335	bicarinatus <i>Say.</i>
			<i>C. fulminatus</i> <i>Couth.</i>	iv	3	335	campanulatus <i>Say.</i>
iv	3	329	ruber <i>Lowe.</i>	iv	3	335	armigerus <i>Say.</i>
iv	3	329	albus <i>Mont.</i>	iv	3	335	elevatus <i>Adams.</i>
iv	3	329	Emersonii <i>Couth.</i>	iv	3	335	deflectus <i>Say.</i>
iv	3	329	mendicarius <i>Mighels.</i>	iv	3	335	exacutus <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>Physaheterostropha</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.	iv	3	340	(Turbo) <i>semicostata</i>
			<i>P. elongata</i> Say.				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>
iv	3	337	<i>Amnicola lustrica</i> Say.				Couth.
iv	3	337	<i>porata</i> Say.	iv	3	341	<i>bicarinata</i> Couth.
iv	3	337	<i>Paludina decisa</i> Say.	iv	3	341	<i>violacea</i> Ad. & Migh.
iv	3	337	<i>Valvata pupoidea</i> Gld.	iv	3	341	<i>Cancellaria Couthouyi</i>
iv	3	337	<i>Ancylus rivularis</i> Say.				Jay.
iv	3	337	<i>Natica heros</i> Say.	iv	3	341	<i>Fasciolaria ligata</i> Migh.
iv	3	338	<i>triseriata</i> Say.	iv	3	341	<i>Fusus decemcostatus</i>
iv	3	338	<i>immaculata</i> Tott.				Jay.
iv	3	338	<i>pusilla</i> Say.	iv	3	341	<i>Islandicus</i> Pennant.
iv	3	338	<i>clausa</i> Br. & Sowb.	iv	3	341	<i>pygmæus</i> Gould.
			<i>N. consolidata</i> Couth.	iv	3	342	<i>tornatus</i> Gould.
iv	3	338	<i>flava</i> Gould.	iv	3	342	<i>scalariformis</i> Gould.
iv	3	338	<i>Velutina lævigata</i> Linn.	iv	3	342	<i>Bamffius Fleming.</i>
iv	3	338	<i>zonata</i> Gould. [Linn.	iv	3	342	<i>rufus</i> Mont.
iv	3	338	<i>Sigaretus haliotoideus</i>				<i>F. pleurotomarius</i> Cout.
iv	3	338	<i>Skenea serpuloides</i>	iv	3	342	<i>harpularius</i> Couth.
			Mont.	iv	3	342	<i>turriculus</i> Mont.
iv	3	338	<i>Scalaria Grœnlandica</i>	iv	3	342	<i>cancellatus</i> Mighels.
			Chemn.	iv	3	342	<i>Rostellaria occidentalis</i>
iv	3	339	<i>Margarita cinerea</i> Cout.				Beck.
iv	3	339	<i>obscura</i> Couth.	iv	3	342	<i>Trichotropis borealis</i>
iv	3	339	<i>undulata</i> Sowb.				Sowb.
iv	3	339	<i>arctica</i> Leach.				<i>T. costellatus</i> Couth.
iv	3	339	<i>argentata</i> Gould.	iv	3	343	<i>Purpura lapillus</i> Linn.
iv	3	339	<i>acuminata</i> Sowb.	iv	3	343	<i>Buccinum undatum</i> Lin.
iv	3	339	<i>varicosa</i> Migh. [Migh.	iv	3	343	<i>trivittatum</i> Say.
iv	3	339	<i>Trochus occidentalis</i>	iv	3	343	<i>obsoletum</i> Say.
iv	3	339	<i>Littorina (Turbo) rudis</i>	iv	3	343	<i>rosaceum</i> Gould.
			Don.	iv	3	343	<i>ciliatum</i> O. Fabr.
			<i>Turbo obligatus</i> Say.	iv	3	343	<i>Donovani</i> Gray.
iv	3	339	(Turbo) <i>tenebrosa</i>	iv	3	343	<i>plicosum</i> Menck.
			Mont.	iv	3	344	<i>Columbella avara</i> Say.
			<i>Turbo vestitus</i> Say.	iv	3	344	<i>Terebra (Cerithium)</i>
iv	3	339	(Turbo) <i>palliata</i> Say.				<i>dislocata</i> Say.
iv	3	340	<i>Lacuna vineta</i> Mont.				<i>T. Petiti</i> Kiener.

[Boston Journal of Natural History—continued.]

Vol.	No.	Pa.	Pl.	Fig.	Name.	Locality.	
					Mighels. —Descriptions of six species of Shells regarded as new: by J. W. MIGHELS, M. D.		
iv	3	345	xvi	2	Astarte Portlandica <i>Migh.</i>	Casco bay.	
iv	3	346	xvi	3	Bulla pertenuis <i>Migh.</i>	Casco bay.	
iv	3	347	xvi	1	Limnea ampla <i>Migh.</i>	Second Eagle lake, Me.	
iv	3	348	xvi	4	Phasianella sulcosa <i>Migh.</i>	Casco bay.	
iv	3	349	xvi	5	Margarita minutissima <i>Migh.</i>	Casco bay.	
iv	3	349	xvi	6	Delphinula? coarctata <i>Migh.</i>	Casco bay.	
					Gould. —A Monograph of the genus Pupa found in the United States: by AUGUSTUS A. GOULD, M. D. (Continued from vol. iii.)		
iv	3	350	xvi	7-8	Pupa ovata <i>Say.</i>	[For localities, vid. quotations from "Terrest. Moll. U. S."—W. G. B.]	
					<i>P. modesta</i> <i>Say.</i>		
iv	3	352	xvi	9	Gouldii <i>Binney.</i>		
iv	3	353	xvi	10-11	pentodon <i>Say.</i>		
					<i>P. Tappaniana</i> <i>Adams.</i>		
					<i>curvidens</i> <i>Gould.</i>		
iv	3	355	xvi	13	rupicola <i>Say.</i>		
iv	3	357	xvi	15	fallax <i>Say.</i>		
					Additional notes on—		
iv	3	358			Pupa corticaria.		
iv	3	358			<i>exigua</i> <i>Say.</i>		
iv	3	359			contracta <i>Say.</i>		
iv	3	359			milium <i>Gould.</i>		
iv	3	359			procera <i>Gould.</i>		
					<i>P. carinata</i> <i>Gould.</i>		
iv	3	359			armifera <i>Say.</i>		
iv	3	359			simplex.		
iv	3	360			badia.		
					Binney. —Descriptions of two undescribed species of North American Helices: by Amos BINNEY, M. D.		
iv	3	360	xx		Helix tudiculata <i>Binney.</i>	San Diego, Cal.	
iv	3	361	xvi	16	demissa <i>Binney.</i>	W th n Penn'a.	
Jan.	1844				Wyman. —On the Anatomy of <i>Tebenophorus Carolinensis</i> : by JEFFRIES WYMAN, M. D.		
iv	4	410	xxii				
iv	4	416	xxiii		Wyman. —On the Anatomical Structure of <i>Glandina truncata</i> of Say: by JEFFRIES WYMAN, M. D.		

[Boston Journal of Natural History—continued.]

Vol.	No	Pa.	Pl.	Fig.	Name.	Locality.
					Haldeman. —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. elodis</i> Say.	
iv	4	468			<i>stagnalis</i> L. <i>L. jugularis</i> Say.	
iv	4	468			<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>amicum</i> Müll.? [Leach.	
iv	4	468			8 <i>Alasmodon margaritiferus</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				H. C. Lea. —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 buplicata</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				Prime. —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.	Mass., Conn., N. Y., N. J., Md., Ohio, Wisc.
vi	3	354	xi	4-6	<i>Pisidium abruptum</i> Hald.	
vi	3	355	xi	16-18	<i>ventricosum</i> Prime.	Massachusetts.

[Boston Journal of Natural History—continued.]

Vol.	No.	Pa.	Pl.	Fig.	Name.	Locality.
vi	3	356	xi	13-15	Pisidium compressum <i>Prime.</i>	Mass., Me., N.Y.
vi	3	357	xi	19-21	rotundatum <i>Prime.</i>	Lake Superior.
vi	3	358	xi	21-23	tenellum <i>Gould.</i> <i>P. rubellum</i> <i>Prime.</i>	Lake Superior.
vi	3	359			obscurum <i>Prime.</i>	Ohio.
vi	3	359	xi	24-25	abditum <i>Hald.</i>	Columbia, Pa.
			xii	1		
vi	3	360	xii	5-7	minus <i>Stimpson.</i> <i>Cyclas minor</i> <i>Ad. et Mighl.</i>	Me., Vt., Mass., Conn., N. Y.
vi	3	361	xii	5-7	Kurtzii <i>Prime.</i>	Charleston, S.C.
vi	3	362	xii	8-10	ferrugineum <i>Prime.</i>	Mass., N. Y.
vi	3	363	xii	11-13	regulare <i>Prime.</i>	Miami canal, O.
vi	3	364	xii	14-16	arcuatum <i>Prime</i> (fossil).	Brattleboro', Vt.
vi	3	364	xii	17-19	zonatum <i>Prime.</i>	Greenwich, N.Y.
vi	3	365	xii	20-22	notatum <i>Prime.</i>	Greenwich, N.Y.
vi	3	366	xii	23-25	equilaterum <i>Prime.</i>	Me., Mass., N.Y.
vi	3	366			equale <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				Gould. —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	Bulimus vesicalis <i>Gould.</i>	Lower Califor'a.
vi	3	375	xiv	2	vegetus <i>Gould.</i>	San Juan, G. of Califor'a.
vi	3	376	xiv	3	excelsus <i>Gould.</i> [<i>B. elatus</i> in pl.—W. G. B.]	Califor'a. [Cal.]
vi	3	376	xiv	5	Acmæa paleacea <i>Gould.</i>	Santa Barbara.
vi	3	377	xiv	7	Crepidula explanata <i>Gould.</i>	Monterey, L. Ca.
vi	3	377	xiv	8	Bulla (Akeria) culcitella <i>Gld.</i>	Santa Barbara.
vi	3	378	xiv	9	(<i>Tornatina</i>) cerealis <i>Gld.</i>	Santa Barbara.
vi	3	379	xiv	4	Physa alata <i>Gould.</i>	Lower Califor'a.
vi	3	379	xiv	17	Sigaretus debilis <i>Gould.</i>	La Paz, G. of C.
vi	3	380	xiv	10	Narica ovoidea <i>Gould.</i>	Maz'lan (bou'tl.)
vi	3	380	xiv	19	Terebra arguta <i>Gould.</i>	
vi	3	381	xiv	11	Trochus marcidus <i>Gould.</i>	Monterey.
vi	3	381			picoides. [<i>Gould.</i>	
vi	3	382			(<i>Monodonta</i>) pyriformis	San Diego.
vi	3	383	xiv	12	Modulus dorsuosus <i>Gould.</i>	Acapulco.
vi	3	383	xiv	15	Chemnitzia tenuicula <i>Gould.</i>	Santa Barbara.
vi	3	384	xiv	16	torquata <i>Gould.</i>	Santa Barbara.
vi	3	384	xiv	14	Odostomia gravida <i>Gould.</i>	Santa Barbara.
vi	3	385	xiv	13	achates <i>Gould.</i>	Mazatlan.
vi	3	385	xiv	18	Fusus ambustus <i>Gould.</i>	Mazatlan.
vi	3	386	xiv	20	Erato leucophæa <i>Gould.</i>	Santa Barbara.
vi	3	386	xiv	21	Conus ravus <i>Gould.</i>	Santa Barbara.
vi	3	387	xiv	23	comptus <i>Gould.</i>	Santa Barbara.
vi	3	388	xiv	22	pusillus <i>Gould.</i>	Mazatlan.
vi	3	388	xv	1	Pholas ovidea <i>Gould.</i>	
vi	3	389	xv	5	Petricola bulbosa <i>Gould.</i>	Guaymas.
vi	3	390	xv	6	Osteodesma nitidum <i>Gould.</i>	Santa Barbara.
vi	3	390			Lutraria ventricosa <i>Gould.</i>	Mazatlan.
vi	3	391	xv	7	undulata <i>Gould.</i>	La Paz, L. Cal.

[Boston Journal of Natural History—*continued*.]

Vol.	No.	Pa.	Pl.	Fig.	Name.	Locality.
vi	3	392			<i>Amphidesma flavescens</i> Gould.	San Diego.
vi	3	393			<i>Mactra nasuta</i> Gld. = <i>M. falcata</i> ?	
vi	3	393	xv	4	<i>Mactra mendica</i> Gould.	Mazatlan.
vi	3	394	xv	8	<i>Donax flexuosus</i> Gould.	Santa Barbara.
vi	3	394	xv	9	<i>obesus</i> Gould.	San Diego.
vi	3	395	xv	3	<i>Lucina orbella</i> Gould.	San D., Sta. B.
vi	3	396	xv	2	<i>Arthemis saccata</i> Gould.	Mazatlan.
vi	3	397	xvi	1	<i>Tellina miniata</i> Gould.	San Juan.
vi	3	398	xvi	2	<i>tersa</i> Gould.	Panama.
vi	3	398	xvi	3	<i>pura</i> Gould.	Panama.
vi	3	399	xvi	5	<i>gemma</i> Gould.	San Juan.
vi	3	399	xvi	4	(<i>Strigilla</i>) <i>fucata</i> Gould.	Mazatlan.
vi	3	400	xvi	5	<i>Cyrena altalis</i> Gould.	Mazatlan?
vi	3	401			<i>Cardium luteolabrum</i> Gould.	San Diego.
vi	3	402			<i>Anodon ciconia</i> Gould.	Mexico?
vi	3	402	xvi	8	<i>Mytilus glomeratus</i> Gould.	San Francisco.
vi	3	403	xvi	9	<i>Lithodomus falcatus</i> Gould.	Monterey.
vi	3	404	xvi	7	<i>Avicula sterna</i> Gould.	Mazat., Panama.
vi	3	405	xvi	6	<i>Lima tetrica</i> Gould.	La Paz, G. of C.
vi	3	406	xv	10	<i>Venus tantillus</i> Gould.	Santa Barbara.
vi	3	406			<i>Purpura pansa</i> Gould. <i>P. patula</i> Auct.	
[The following mentioned by name only]:—						
vi	3	407			<i>Venus aurantiaca</i> Soub.	Santa Barbara.
vi	3	407			<i>gnidia</i> .	Mazatlan.
vi	3	407			<i>Artemis gigantea</i> .	La Paz.
vi	3	407			<i>Tellina regia</i> .	Mazatlan.
vi	3	407			<i>Burneti</i> Brod.	Lower Califor'a.
vi	3	407			<i>Parapholas Californica</i> Conr. <i>P. Janellii</i> Desh.	San Diego.
vi	3	407			<i>Periploma planiuscula</i> .	Guaymas.
vi	3	407			<i>Thracia granulosa</i> .	La Paz.
vi	3	407			<i>Anomia macrochisma</i> .	Monterey.
vi	3	407			<i>Trochus Norrisii</i> .	Santa Barbara.
vi	3	407			<i>Oniscia tuberculosa</i> .	San Juan.
vi	3	407			<i>Cassis coarctata</i> .	San Juan.
vi	3	407			<i>Saxidomus Nuttalli</i> Conr. <i>Venerupis P-utii</i> Desh.	San Diego.
vi	3	407			<i>Cancellaria obesa</i> .	La Paz.
vi	3	407			<i>cassidiformis</i> .	La Paz.
vi	3	407			<i>Cyrtulus distortus</i> .	Panama.
vi	3	407			<i>Ostrea Cumingiana</i> .	La Paz.
vi	3	407			<i>Pectunculus giganteus</i> .	Guaymas.
vi	3	407			<i>Chiton Magdalensis</i> .	Mazatlan.
vi	3	407			<i>muscosus</i> Gould. <i>C. Collei</i> Reeve.	Panama.
vi	3	407			<i>Stokesii</i> Brod.	San Francisco.
vi	3	407			<i>Marginella imbricata</i> Hinds.	Santa Barbara.
vi	3	407			<i>Cerithium irroratum</i> Gould.	Mazatlan.
vi	3	407			<i>Saxicava Cordieri</i> Desh.	Mazatlan.
vi	3	407			<i>Tellina Bodegensis</i> .	San Francisco.
vi	3	407			<i>Cardium elatum</i> Brod.	San Diego.
vi	3	407			<i>Sanguinolaria decora</i> Hinds.	San Diego.

[Boston Journal of Natural History—continued.]

Vol.	No.	
Sept. vii	1859 1	W. G. Binney. —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.	J. G. Anthony.	
i	5	<i>Anculotus Kirtlandianus</i> Anth. = <i>Melania Rogersii</i> Conr. (teste letter of J. G. Anthony).	
i	6	Gould. —Investigations on Testacea of Massachusetts: by A. A. GOULD, M. D.	
		T. A. Greene.	
i	14	<i>Janthina fragilis.</i>	Nantucket.
		Bulfinch.	
i	20	<i>Janthina fragilis.</i>	Nantucket.
July,	1841.	A. A. Gould.	
i	32	<i>Paludina heterostropha</i> Kirtland = <i>P. ponderosa.</i>	
Nov.	1841.	Mighels & Adams. —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.	Binney. —On some of the species of Naked Phenmono-branchous Mollusca of the United States: by Dr. AMOS BINNEY.	
i	51		
i	51	Genus Tebennophorus <i>Binney.</i>	
i	52	Limax campestris <i>Binney.</i>	N. E., N. Y., Ohio, Mo.
i	52	Philomycus dorsalis <i>Binney.</i>	Mass., Vermont.
		[The following mentioned by name only]:—	
i	51	Limax agrestis <i>Linn.</i>	
i	51	hortensis <i>Fer.</i>	
i	51	flavus <i>Linn.</i>	
i	51	Tebennophorus Carolinensis <i>Bosc.</i>	
Mar.	1842.	Gould. —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 = Venus gemma.	
i	61	<i>Crepidula acuta</i> H. C. Lea = C. convexa.	
i	61	<i>Carychium exile</i> H. C. Lea = Pupa exigua.	
i	61	<i>Pasithea sordida</i> H. C. Lea = Actæon trifidus.	
i	61	<i>Cerithium cancellatum</i> H. C. Lea = Cingula aculeus.	
		Dr. A. A. Gould.	
i	72	Note on Mytilus edulis.	
Oct.	1842.	Gould. —Note on Adams's "Mollusca of Vermont:" by A. A. GOULD, M. D.	
i	89		
i	89	<i>Pupa modesta</i> = P. ovata.	
i	89	<i>albilabris</i> = P. fallax.	
Mar.	1843.	Binney. —A Critical Notice on the species of Pupa found in the United States: by Dr. AMOS BINNEY.	
i	104		
i	105		
i	105	<i>Cyclostoma marginata</i> Say = Pupa fallax <i>Say.</i>	
i	105	<i>Pupa placida</i> Say = Bulimus hordeaceus.	
i	105	<i>modesta</i> Say = P. ovata <i>Say.</i>	
i	105	<i>procera</i> Gould = P. rupicola <i>Say.</i>	
i	105	<i>curvidens</i> Gould = P. pentodon <i>Say.</i>	
i	105	<i>Tappaniana</i> Adams = P. pentodon <i>Say.</i>	
i	105	Pupa Gouldii <i>Binney</i> (described).	
		Gould. —Remarks on the last paper: by Dr. A. A. GOULD.	
i	106	Notes on Pupa simplex.	
i	106	procera.	
i	106	curvidens.	
i	106	carinata.	
May,	1843.	Gould. —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.	Mighels. —Descriptions of seven species of Shells regarded	
i	129	as new: by J. W. MIGHELS, M. D.	
i	129	<i>Astarte Portlandica Mighels.</i>	Casco Bay.
i	129	<i>Bulla pertenuis Mighels.</i>	Casco Bay.
i	129	<i>Limnæa ampla Mighels.</i>	Second Eagle lake, Me.
i	129	<i>Phasianella sulcosa Mighels.</i>	Casco Bay.
i	129	<i>Margarita minutissima Mighels.</i>	Casco Bay.
i	129	<i>Delphinula? coarctata Mighels.</i>	Casco Bay.
Dr. A. A. Gould.			
i	133	Notes on <i>Physa ancillaria.</i>	
i	133	<i>heterostropha.</i>	
Dr. A. A. Gould.			
i	137	<i>Pupa carinata = P. procera.</i>	
i	142	Binney. —Remarks on the Geographical Distribution of American Land Shells: by Dr. AMOS BINNEY.	
Dec.	1843.	Wyman. —Notes on the Anatomy of <i>Tebennophorus</i> and <i>Glandina</i> : by Dr. JEFFRIES WYMAN.	
i	154		
May,	1844.	Dr. A. A. Gould.	
i	174	Note on <i>Helix lucida.</i>	[Greenwich, N. Y.]
Oct.	1844.	Dr. J. W. Mighels.	
i	187	<i>Pupa costulata Mighels.</i>	Portland, Me.
i	187	<i>Helix submeris Mighels.</i>	Key West, Florida.
i	187	<i>Osteodesma æruginosa Mighels.</i>	Gulf of St. Lawrence.
i	188	<i>Tellina elucens Mighels.</i>	Casco Bay.
i	188	<i>Mytilus Minganensis Mighels.</i>	Gulf of St. Lawrence.
i	188	<i>Bulla incincta Mighels.</i>	Casco Bay.
i	188	<i>Cypricardia nodulosa Mighels.</i>	Key West, Fla.
i	189	<i>Pleurotoma insculpta Mighels.</i>	Key West, Fla.
i	189	<i>Schizostoma cylindracea Mighels.</i>	Warrior river, Ala.
i	189	<i>curta Mighels.</i>	Warrior river, Ala.
Dr. A. A. Gould.			
i	189	<i>Pupa costulata Mighels = Helix harpa.</i>	
i	189	<i>Cypricardia nodulosa Migh. = Carditamera Floridaana Couv.</i>	
Nov.	1844.	Jackson. —List of Shells found at Lake Superior: by Dr. C. T. JACKSON.	
i	198	<i>Unio purpureus Say.</i>	
i	198	<i>Limnæa jugularis Say.</i>	

[Proceedings of the Boston Society of Natural History—*continued*.]

Vol.	Page.	Name.	Locality.
Mar.	1845.	H. C. Lea. —Descriptions of—	
i	204	<i>Pholas semicostata</i> <i>H. C. Lea.</i>	South Carolina.
i	204	<i>Bulla biplicata</i> <i>H. C. Lea.</i>	Cape May.
i	205	<i>Littorina lunata</i> <i>H. C. Lea.</i>	Cape May.
i	205	<i>Cingula robusta</i> <i>H. C. Lea.</i>	Cape May.
i	205	<i>modesta</i> <i>H. C. Lea.</i>	Brooklyn, L. I.
i	205	<i>turriculus</i> <i>H. C. Lea.</i>	South Carolina.
Jan.	1845.	Binney. —Notes on Land Shells of Florida: by Dr. AMOS BINNEY.	
ii	25		
July,	1845.	Dr. A. A. Gould. —Descriptions of—	
ii	53	<i>Unio paludicolus</i> <i>Gould.</i>	Florida Everglades.
ii	53	<i>papyraceus</i> <i>Gould.</i>	Florida Everglades.
Oct.	1845.	Leidy. —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.	Dr. A. A. Gould. —Notes on—	
ii	81	<i>Pholas costata.</i>	New Bedford.
ii	82	<i>truncata.</i>	New Bedford.
ii	83	<i>Lottia, Patelloidea, &c.</i>	
July,	1845.	Binney. —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.	Vol. Page. Name.
ii	130	<i>Helix albolabris.</i>	ii 130 <i>Helix ligera.</i>
ii	130	<i>alternata.</i>	ii 130 <i>monodon.</i>
ii	130	<i>concava.</i>	ii 130 <i>palliata.</i>
ii	130	<i>elevata.</i>	ii 130 <i>perspectiva.</i>
ii	130	<i>exoleta.</i>	ii 130 <i>profunda.</i>
ii	130	<i>gularis.</i>	ii 130 <i>thyroidus.</i>
ii	130	<i>hirsuta.</i>	ii 130 <i>Helicina orbiculata.</i>
ii	130	<i>inornata.</i>	ii 130 <i>Succinea obliqua.</i>
ii	130	<i>inflecta.</i>	
		Dr. A. A. Gould. —Descriptions of— ¹	
		Name.	Locality.
ii	142	<i>Chiton lignosus</i> <i>Gould.</i>	Puget Sound.
ii	145	<i>dentiens</i> <i>Gould.</i>	Puget Sound.
ii	145	<i>muscosus</i> <i>Gould.</i>	Puget Sound.
ii	149	<i>Patella fimbriata</i> <i>Gould.</i>	Straits of de Fuca.
ii	150	<i>instabilis</i> <i>Gould.</i>	Puget Sound.
ii	151	<i>conica</i> <i>Gould.</i>	Puget Sound.
ii	151	<i>Lottia pintadina</i> <i>Gould.</i>	Puget So., Straits of de Fuca, m. Columbia r.

¹ 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	<i>Patella (Lottia?) textilis</i> Gould.	Straits of de Fuca, &c.
ii	152	<i>scabra</i> Gould.	San Francisco.
Aug.	1846.		
ii	155	<i>Fissurella cratitia</i> Gould.	Puget Sound.
ii	159	<i>Rimula cucullata</i> Gould.	Puget Sound.
ii	159	<i>galeata</i> Gould.	Puget Sound.
ii	160	<i>Crepidula rostriformis</i> Gould.	Straits of de Fuca.
ii	160	<i>lingulata</i> Gould.	Puget Sound.
ii	161	<i>Calyptrea fastigiata</i> Gould.	Puget Sound.
ii	165	<i>Helix labiosa</i> Gould.	Astoria, Oregon.
ii	165	<i>loricata</i> Gould.	California.
ii	165	<i>devia</i> Gould.	Oregon.
ii	166	<i>strigosa</i> Gould.	Oregon.
ii	167	<i>sportella</i> Gould.	Puget Sound.
Nov.	1846.		
ii	187	<i>Succinea rusticana</i> Gould.	Oregon.
June,	1847.		
ii	211	<i>Limnæa lepida</i> Gould.	Lake Vancouver.
ii	212	<i>Planorbis opercularis</i> Gould.	Sacramento river.
ii	212	<i>vermicularis</i> Gould.	Oregon.
ii	215	<i>Physa virginea</i> Gould.	Sacramento river.
ii	224	<i>Melania silicula</i> Gould.	Nisqually, Oregon.
July,	1847.		
ii	225	<i>Melania bulbosa</i> Gould.	Columbia river.
ii	239	<i>Natica Lewisii</i> Gould.	Puget Sound.
ii	239	<i>caurina</i> Gould.	Straits of de Fuca.
Dec.	1847.		
ii	252	<i>Littorina cincta</i> Gould. [Case.	Puget Sound.
ii	259	Notes on <i>Planorbis multivolvis</i>	
ii	263	<i>Physa vinosa</i> Gld. (with wood-cut).	Lake Superior.
ii	263	<i>Pupa decora</i> Gld. (with wood-cut).	Lake Superior.
ii	263	<i>Natica fossata</i> Gould.	Florida.
	1848.		
iii	9	<i>Bulla solitaria.</i> Quoted from	Plymouth beach.
June,	1848.		
iii	37	<i>Succinea luteola</i> Gould.	Texas.
iii	38	<i>concordialis</i> Gould.	Lake Concordia.
iii	38	<i>Helix selenina</i> Gould.	Georgia and Florida.
iii	38	<i>rotula</i> Gould.	Tennessee.
iii	38	<i>maxillata</i> Gould.	Tennessee.
iii	39	<i>leporina</i> Gould.	Mississippi and Ark.
iii	39	<i>vultuosa</i> Gould.	Arkansas and Texas.
iii	40	<i>bucculenta</i> Gould.	Georgia to Texas.
iii	40	<i>abjecta</i> Gould.	Southwestern States.
iii	40	<i>Pupa variolosa</i> Gould.	Florida.
iii	40	<i>modica</i> Gould.	Florida.
iii	40	<i>Cylindrella pontifica</i> Gould.	
iii	41	<i>jejuna</i> Gould.	Florida.
Oct.	1848.		
iii	64	<i>Glandina bullata</i> Gould.	Louisiana.
iii	64	<i>Limnea lanceata</i> Gould.	Lake Superior.
Nov.	1848.		
iii	75	<i>Lacuna carinata</i> Gould.	Puget Sound.

[Proceedings of the Boston Society of Natural History—continued.]

Vol.	Page.	Name.	Locality.
Mar.	1849.		
iii	83	Littorina patula <i>Gould.</i>	San Francisco.
iii	83	<i>lepida</i> <i>Gould.</i>	Puget Sound.
iii	83	<i>scutulata</i> <i>Gould.</i>	Puget Sound.
iii	84	<i>plena</i> <i>Gould.</i>	San Francisco.
iii	91	Trochus ligatus <i>Gould.</i>	Puget Sound.
May,	1849.		
iii	118	Cerithium (Potamis) sacratum	Sacramento river.
iii	120	<i>filosum</i> <i>Gould.</i> [Gould.]	Puget Sound.
iii	141	Fusus fidicula <i>Gould.</i>	Puget Sound.
iii	142	<i>orpheus</i> <i>Gould.</i>	Puget Sound.
Jan.	1850.		[bia river.
iii	152	Buccinum fossatum <i>Gould.</i>	Puget S., m. of Colum-
iii	155	Nassa mendica <i>Gould.</i>	Puget S. & Nisqually.
iii	170	Columbella gausapata <i>Gould.</i>	Puget Sound.
		William Stimpson. —Description of—	
iii	175	Helix exigua <i>Stimpson.</i>	Boston, Salem.
Mar.	1850.	Dr. A. A. Gould. —Notes on—	
iii	181	Limnæa catascopium.	
iii	181	<i>pinguis.</i>	
iii	181	<i>emarginata.</i>	
iii	181	Helix hortensis.	
		Prof. L. Agassiz. —Notes on—	
iii	191	Doris diademata <i>Agassiz.</i>	
iii	191	<i>coronata</i> <i>Agassiz.</i>	
iii	191	<i>tenella</i> <i>Agassiz.</i>	
iii	191	<i>pallida</i> <i>Agassiz.</i>	
iii	191	Placobranchus.	
iii	191	Canthopsis Havardiensis <i>Agassiz.</i>	
iii	191	Actæon.	Charles river.
iii	191	Melibæa arbuscula.	Gay Head.
May,	1850.	Dr. A. A. Gould. —Descriptions of—	
iii	214	Solen sicarius <i>Gould.</i>	Straits of de Fuca.
iii	215	Panopæa generosa <i>Gould.</i>	Puget Sound.
iii	215	Mya præcisâ <i>Gould.</i>	Puget Sound.
iii	216	Mactra falcata <i>Gould.</i>	Puget Sound.
iii	217	Lutraria capax <i>Gould.</i>	Puget Sound.
iii	217	Osteodesma bracteata <i>Gould.</i>	Puget Sound.
iii	237	Prof. Agassiz. —Notes on Breathing Organs of Mollusks.	
iii	239	Mr. Girard. —On Ovum of Ascidia.	
July,	1850.	Dr. A. A. Gould. —Descriptions of—	
iii	276	Cardita ventricosa <i>Gould.</i>	Puget Sound.
iii	276	Cardium blandum <i>Gould.</i>	Puget Sound.
iii	277	Venus rigida <i>Gould.</i>	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	Prof. L. Agassiz. —On <i>Unio</i> , <i>Cyclas</i> , &c.	
Dec.	1850.	William Stimpson 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.
		Dr. A. A. Gould 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	Prof. L. Agassiz. —Remarks on Generic Characters of Naiades.	
		J. G. Anthony (or Dr. Gould?).—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>inemta</i> .	Virginia.
iii	362	<i>plebeius</i> .	Saline Co., Ark.
iii	363	<i>succinulata</i> .	Ohio.
iii	363	<i>robulina</i> .	Cumberland r., Tenn.
June,	1851.	William Stimpson. —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	Cardium Groenlandicum <i>Chemn.</i>	Cape Cod Bay.
iv	13	Nucula delphinodonta <i>Mighels.</i>	Massachusetts.
iv	14	Spirialis Gouldii <i>Stimpson.</i>	New England.
iv	14	Calyptrea striata <i>Say.</i>	St. George's Bank.
iv	14	Adeorbis costulata <i>Stimpson.</i> <i>Margarita costulata</i> Müll. <i>minutissima</i> Mighels.	Cape Ann.
iv	14	Rissoa eburnea <i>St.</i> (description.)	Cape Ann. [hant.
iv	14	multilineata <i>St.</i> (description.)	Great Misery isl., Na-
iv	15	Mighelsii <i>Stimpson.</i> [ton. <i>Cingula arenaria</i> Migh., non Tur-	Massachusetts Bay.
iv	15	exarata <i>Stimp.</i> (description).	Boston harbor.
iv	15	pelagica <i>Stimpson.</i> <i>Cingula semicostata</i> Mighels.	Cape Ann.
iv	15	Turritella acicula <i>Stimp.</i> (descrip.)	Massachusetts.
iv	16	areolata <i>Stimpson.</i> (descrip.)	Cape Ann.
iv	16	Cerithium Greenii <i>Adams.</i>	Charles river.
iv	16	Chemnitzia modesta <i>St.</i> (descrip.)	St. George's bank.
iv	16	interrupta <i>Stimpson.</i> <i>Turritella interrupta</i> Totten.	Boston.
iv	16	seminuda <i>Stimpson.</i> <i>Odostomia seminuda</i> Adams.	Boston.
July,	1851.		
iv	17	Pleurotoma violacea <i>Ad. & Migh.</i>	Salem and Boston.
iv	17	Natica flava <i>Gould.</i>	Massachusetts Bay.
iv	17	Philine sinuata <i>Stimpson.</i>	Boston harbor.
iv	17	formosa <i>Stimpson.</i>	Massachusetts Bay.
iv	17	Bulla puncto-striata <i>Mighels.</i>	Cape Ann.
iv	18	pertenuis <i>Mighels.</i>	Point Shirley.
iv	18	canaliculata <i>Gould.</i> <i>B. obstricta</i> Gould.	Boston harbor.
iv	26	Leda thraciformis <i>Storer</i> = Nucula navicularis <i>Couth.</i>	
iv	27	Dr. A. A. Gould. —Notes on California Shells.	
iv	30	Charles Girard. —Notes on Organs of Vision and Nervous System of Ascidia.	
Aug.	1851.	William Stimpson.	
iv	49	Pelonaia arenifera <i>Stimpson.</i>	Boston harbor.
		Temple Prime. —Description of—	
iv	68	Pisidium ventricosum <i>Prime.</i>	Massachusetts.
Nov.	1851.	Dr. A. A. Gould. —Descriptions of—	
iv	87	Pholas ovoidea <i>Gou'd.</i>	Monterey.
iv	88	Petricola bulbosa <i>Gould.</i>	Guaymas.
iv	88	Mactra nasuta <i>Gould.</i>	Mazatlan, San Pedro.
iv	88	mendica <i>Gould.</i>	Mazatlan.
iv	89	Lutraria undulata <i>Gould.</i>	La Paz, Lower Cal.
iv	89	ventricosa <i>Gould.</i>	Mazatlan.

[Proceedings of the Boston Society of Natural History—*continued.*]

Vol.	Page.	Name.	Locality.
iv	89	<i>Amphidesma flavescens</i> Gould.	San Diego.
iv	90	<i>Donax obesus</i> Gould.	San Diego.
iv	90	<i>Tellina miniata</i> Gould.	San Juan.
iv	90	<i>Lucina orbella</i> Gould.	San Diego.
iv	91	<i>Tellina (Strigilla) fucata</i> Gould. <i>T. carnaria.</i>	
iv	91	<i>Arthemis saccata</i> Gould.	Mazatlan?
iv	91	<i>Cardium luteolabrum</i> Gould.	San Diego.
iv	92	<i>Mytilus glomeratus</i> Gould.	San Francisco.
iv	92	<i>Anodon ciconia</i> Gould.	Mexico?
iv	92	<i>Lithodomus falcatus</i> Gould.	Monterey.
iv	93	<i>Lima tetrica</i> Gould.	La Paz.
iv	93	<i>Avicula sterna</i> Gould.	Mazatlan.
iv	95	Stimpson. —Remarks on the Mollusca, &c., of the Bay of Fundy: by WILLIAM STIMPSON.	
iv	100	Dr. A. A. Gould. —Notes on Land Shells.	
Dec.	1851.	William Stimpson. —Descriptions of—	
iv	112	<i>Cæcum nitidum</i> Stimpson.	Florida.
iv	112	<i>Floridanum</i> Stimpson.	Florida.
iv	112	<i>pulchellum</i> Stimpson.	Buzzard's Bay.
iv	113	<i>Leda obesa</i> Stimpson.	New England.
iv	113	<i>Teredo dilatata</i> Stimpson.	Lynn.
iv	114	<i>Dentalium striolatum</i> Stimpson. <i>D. entale</i> Mighels.	Bay of Fundy.
iv	114	<i>Chemnitzia dealbata</i> Stimpson.	Boston.
iv	114	<i>nivea</i> Stimpson.	Grand Manan.
iv	114	<i>Columbella dissimilis</i> Stimpson.	Bay of Fundy.
		Wm. Stimpson & Lieut. J. D. Kurtz. —Descriptions of—	
iv	114	<i>Rissoa pupoidea</i> Kurtz & Stimp.	South Carolina.
iv	115	<i>Chemnitzia spirata</i> Kurtz & Stimp.	North Carolina.
iv	115	<i>Eulima conoidea</i> Kurtz & Stimp.	N. and S. Carolina.
iv	115	<i>oleacea</i> Kurtz & Stimp.	Buzzard's Bay.
iv	115	<i>Mangelia rubella</i> Kurtz & Stimp.	Carolina.
iv	115	<i>Pleurotoma cerinum</i> Kurtz & Stimp.	Buzzard's Bay & S. C.
		T. J. Whittemore. —Notes on—	
iv	125	<i>Cyclas rhomboidea</i> DeKay= <i>C. elegans</i> .	Cambridge.
iv	125	<i>truncata.</i>	Cambridge.
iv	125	<i>similis.</i>	Cambridge.
iv	126	<i>dubia.</i>	
Mar.	1852.	Temple Prime. —Descriptions of Cycladidæ.	
iv	155	<i>Cyclas albula</i> Prime.	Lake Superior.
iv	155	<i>acuminata</i> Prime.	Lake Superior.
iv	155	<i>rosacea</i> Prime.	Pennsylvania.
iv	155	<i>detruncata</i> Prime.	Pennsylvania.
iv	155	<i>flava</i> Prime.	Lake Superior.

[Proceedings of the Boston Society of Natural History—continued.]

Vol.	Page.	Name.	Locality.
iv	156	Cyclas emarginata <i>Prime.</i>	Lake Superior.
iv	156	gracilis <i>Prime.</i>	Ohio.
iv	156	tenuistriata <i>Prime.</i>	Tennessee.
		<i>C. cornea</i> Adams.	
iv	157	mirabilis <i>Prime.</i>	Georgia.
iv	157	Jayensis <i>Prime.</i>	Lake Superior.
iv	157	gigantea <i>Prime.</i>	Pennsylvania.
iv	157	ponderosa <i>Prime.</i>	Lake Superior.
iv	158	solidula <i>Prime.</i>	Ohio.
iv	158	distorta <i>Prime.</i>	Lake Superior.
iv	159	aurea <i>Prime.</i>	Lake Superior
iv	159	inornata <i>Prime.</i>	Illinois.
iv	159	simplex <i>Prime.</i>	Illinois.
iv	159	modesta <i>Prime.</i>	Pennsylvania.
iv	159	fabalis <i>Prime.</i>	Lake Superior.
iv	159	castanea <i>Prime.</i>	Wabash river.
iv	160	securis <i>Prime.</i>	Massachusetts.
iv	160	cardissa <i>Prime.</i>	Massachusetts.
iv	161	cœrulea <i>Prime.</i>	Massachusetts.
iv	161	tenuis <i>Prime.</i>	Massachusetts.
iv	161	Pisidium obscurum <i>Prime.</i>	Ohio.
iv	162	ferrugineum <i>Prime.</i>	Massachusetts.
iv	162	Kurtzii <i>Prime.</i>	South Carolina
iv	162	zonatum <i>Prime.</i>	Massachusetts.
iv	163	rubellum <i>Prime.</i>	Lake Superior.
iv	163	variabile <i>Prime.</i>	Massachusetts.
iv	164	compressum <i>Prime.</i>	Massachusetts.
iv	164	rotundatum <i>Prime.</i>	Lake Superior
List of Massachusetts Cycladidæ:—			
		Name.	Name.
iv	164	Cyclas cardissa <i>Prime.</i>	iv 165 Cyclas truncata <i>Linsley.</i>
iv	164	cœrulea <i>Prime.</i>	iv 165 tenuis <i>Prime.</i>
iv	165	elegans <i>Adams.</i>	iv 165 Pisidium compressum
iv	165	minor <i>Adams.</i>	iv 165 dubium <i>Gld.</i> [<i>Prime.</i>
iv	165	nitida <i>Adams.</i>	iv 165 ferrugineum <i>Prime.</i>
iv	165	partumeia <i>Say.</i>	iv 165 variabile <i>Prime.</i>
iv	165	securis <i>Prime.</i>	iv 165 ventricosum <i>Prime.</i>
iv	165	similis <i>Say.</i>	iv 165 zonatum <i>Prime.</i>
iv	165	E. Desor. —Remarks on the Embryology of <i>Eolis</i> and <i>Doris</i> .	
Nov.	1852.	William Stimpson. —Descriptions of—	
		Name.	Locality.
iv	228	Ascidia callosa <i>Stimpson.</i>	Passamaquoddy Bay.
iv	228	tenella <i>Stimpson.</i>	Grand Manan.
iv	229	geometrica <i>Stimpson.</i>	Grand Manan.
iv	229	Molgula sordida <i>Stimpson.</i>	Charleston, S. C.
iv	229	producta <i>Stimpson.</i>	Boston Bay.
iv	230	arenata <i>Stimpson.</i>	Nantucket & Martha's
iv	230	Glandula <i>Stimpson</i> (n. g.)	[Vineyard.
iv	230	fibrosa <i>Stimpson.</i>	Grand Manan.
iv	230	mollis <i>Stimpson.</i>	Grand Manan.

[Proceedings of the Boston Society of Natural History—continued.]

Vol.	Page	Name.	Locality.
iv	230	<i>Cynthia vittata</i> Stimpson.	Smithville, N. C.
iv	231	<i>partita</i> Stimpson.	Boston harbor.
iv	231	<i>subcærulea</i> Stimpson.	Oak Isl. beach, N. C.
iv	231	<i>gutta</i> Stimpson.	Boston harbor.
iv	232	<i>Pera</i> Stimpson (n. g.)	
iv	232	<i>pellucida</i> Stimpson.	St. George's banks.
iv	232	<i>Boltenia rubra</i> Stimpson.	Mass. Bay, Gr. Manan, Bay of Fundy.
Dec.	1852.	Dr. W. I. Burnett. —Notes on the Coloration of—	
iv	252	<i>Loligo illecebrosa</i> .	
Mar.	1853.	Prime. —Notes on the species of <i>Cyclas</i> found in the United States; with descriptions and wood-cuts; by TEMPLE PRIME.	
iv	271	<i>Cyclas similis</i> Say.	
iv	271	<i>edentula</i> Say.	
iv	271	<i>lasmampsis</i> Raf.	
iv	272	<i>rhomboidea</i> Say. <i>C. elegans</i> Adams.	Mass., N. Y., Vt., Ohio.
iv	272	<i>tenuistriata</i> Prime. <i>C. cornea</i> Adams.	Tennessee, Alabama.
Apr.	1853.		
iv	273	<i>fabalis</i> Prime.	Lake Superior, Tenn.
iv	273	<i>castanea</i> Prime.	O., La., Tenn., N. Y., Va.
iv	273	<i>detruncata</i> Prime.	Schuylkill river.
iv	274	<i>gracilis</i> Prime.	Ohio.
iv	274	<i>constricta</i> Anthony.	Ohio.
iv	274	<i>transversa</i> Say.	Ky., Ohio, Ark., N. Y.
iv	275	<i>sphærica</i> Anthony' (wood-cut).	Ohio.
iv	276	<i>ovalis</i> Prime.	N. Y., Ohio.
iv	276	<i>securis</i> Prime.	Mass., Vermont.
iv	277	<i>rosacea</i> Prime.	Schuylkill river.
iv	277	<i>cardissa</i> Prime.	Massachusetts.
iv	277	<i>pellucida</i> Prime. <i>C. calyculata</i> Adams, nec Dr.	Vt., Me., Cal., N. Y.
iv	278	<i>partumeia</i> Say. <i>C. cornea</i> Lam. (var.) <i>orbicularis</i> Barrett. <i>mirabilis</i> Prime. <i>cærulea</i> Prime.	Me., Vt., Mass., Conn., N. J., Penn., N. Y., Ohio, S. C., Ga.
iv	279	<i>Jayensis</i> Prime.	Lake Superior.
iv	279	<i>eburnea</i> Anthony.	Arkansas.
iv	280	<i>dentata</i> Hald.	Oregon.
iv	280	<i>elevata</i> Hald.	New Orleans.
iv	281	<i>furcata</i> Raf. in Phila. Ac. Coll.	Ohio?
iv	281	<i>staminea</i> Conrad.	Alabama.
iv	282	<i>solidula</i> Prime.	Virginia, Ohio.
iv	282	<i>gigantea</i> Prime.	Pennsylvania, N. Y.
iv	282	<i>ponderosa</i> Prime.	Lake Superior.
iv	283	<i>aurea</i> Prime.	Lake Superior.
iv	283	<i>acuminata</i> Prime. <i>C. albula</i> Prime.	Lake Superior, Ohio.

[Proceedings of the Boston Society of Natural History—continued.]

Vol.	Page.	Name.	Locality.
iv	283	<i>Cyclas emarginata</i> Prime.	Lake Superior.
iv	283	<i>bulbosa</i> Anthony, MS.	Arkansas.
iv	284	<i>flava</i> Prime.	Sault Ste. Marie.
iv	284	<i>modesta</i> Prime.	New York, Penn.
iv	284	<i>simplex</i> Prime.	Fox river, Illinois.
iv	285	<i>inornata</i> Prime.	Illinois.
iv	285	<i>distorta</i> Prime.	Ohio, Maryland.
iv	285	<i>tenuis</i> Prime.	Mass. ? Maine.
iv	285	<i>patella</i> Gould.	Oregon.
Apr.	1854.	Dr. W. I. Burnett. —On the Development of Mollusks	
iv	371	in Holothuridæ.	
Oct.	1854.	Dr. James Lewis. —Description of—	
v	25	<i>Cyclas crocea</i> Lewis.	Otsego and Herkimer Counties, N. Y.
		Notes on—	
v	27	<i>Lymnæa catascopium</i> .	
v	39	T. J. Whittemore. —Notes on <i>Lymnæa</i> and <i>Planorbis</i> .	
		Dr. James Lewis. —Notes on—	
v	52	<i>Paludina decisa</i> .	
Dec.	1854.	Charles Girard. —Description of—	
v	89	<i>Placobranchus simplex</i> Girard.	Chelsea beach, Mass.
Feb.	1855.	William Stimpson. —Description and notes on—	
v	111	<i>Lepton longipes</i> Stimpson.	
		Dr. James Lewis. —Notes on—	
v	121	<i>Alasmodon marginata</i> Say.	Mohawk, N. Y.
v	121	<i>truncata</i> Say.	
v	121	<i>Physa elongata</i> Say.	Mohawk, N. Y.
v	121	<i>ancillaria</i> Say.	Mohawk, N. Y.
v	122	<i>elongatina</i> Lewis.	Mohawk, N. Y.
v	122	Remarks on <i>Cyclas</i> and <i>Lymnæa</i> .	
v	122	<i>Cyclas</i> —three groups of.	
v	122	<i>Limnæa catascopium</i> .	} Are iden- tical. Mohawk, N. Y.
v	123	<i>elodes</i> .	
v	124	<i>emarginata</i> .	
		Dr. A. A. Gould. —Descriptions of—	
v	127	<i>Pedicularia decussata</i> Gould.	Georgia and Florida.
v	127	<i>Helix æruginosa</i> Gould.	San Francisco.
v	127	<i>infumata</i> Gould.	San Francisco.
v	128	<i>Physa bullata</i> Gould.	Oregon. [river.
v	128	<i>humerosa</i> Gould.	Colorado desert, Pecos
v	128	<i>virgata</i> Gould.	Gila riv. & San Diego.
Mar	1855.		
v	129	<i>Planorbis ammon</i> Gould.	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>Ammicola protea</i> Gould.	Grand Jornada.		
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.	Dr. H. R. Storer. —Notes on—			
v	268	<i>Ostrea Virginiana.</i>	[Charles river, Boston.		
Feb.	1856.	Dr. James Lewis. —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> Say.	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.	Lewis. —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>imbecillis</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>Ammicola 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>palliata</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 trivolvus</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.	Weinland. —Remarks on the Corrosion of the Shells of Fresh-water Clams: by Dr. WEINLAND.	
vi	57		
		Dr. A. A. Gould.	
vi	72	<i>Helix asteriscus</i> Morse? = <i>H. minutissima</i> Lea.	
Mar.	1857.	Notes on—	
vi	124	<i>Nucula thraciæformis</i> .	Japan.
		E. S. Morse. —Description of—	
vi	128	<i>Helix asteriscus</i> Morse.	Maine.
vi	128	W. G. Binney. —Notes on the Distribution of American Helices.	
Apr.	1857.		
vi	149	Dr. Jas. Lewis. —Notes on Erosion of Fluvial Shells.	

[Proceedings of the Boston Society of Natural History—continued.]

Vol.	Page.	Name.	Locality.
		W. G. Binney. —Descriptions of—	
vi	155	<i>Succinea lineata</i> <i>W. G. Binney.</i>	Fort Union.
vi	156	<i>Helix intercisca</i> <i>W. G. Binney.</i> <i>H. Nickliniana</i> var. <i>Binn.</i> non <i>Lea.</i>	California?
Nov.	1857.		
vi	258	Dr. Weinland. —On Erosion of Shells.	
Apr.	1858.	William Stimpson.	
vi	308	<i>Cochliolepis Stimpson</i> (n. g.)	
vi	308	<i>parasiticus</i> <i>Stimpson.</i>	Charleston, S. C.
Apr.	1859.	E. S. Morse. —Description of—	
vii	28	<i>Helix milium</i> <i>Morse.</i>	Portland, &c., Me.
July,	1859.	Theodore Lyman. —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.	T. J. Whittemore. —Notes on Mohawk Shells.	
vii	151	<i>Lymnea gracilis</i> , &c.	
Dec.	1859.	Prof. L. Agassiz. —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.	Conrad. —Descriptions of three new species of <i>Unio</i> : by T. A. CONRAD.	
i	19	<i>Unio perplicatus</i> <i>Conrad.</i>	Jackson, La.
i	19	<i>nodiferus</i> <i>Conrad.</i>	Jackson, La.
i	20	<i>parallelus</i> <i>Conrad.</i>	Jackson, La.
June,	1841.	Phillips. —Descriptions of two new species of the genus <i>Helix</i> : by J. S. PHILLIPS.	
i	27	<i>Helix bidentifera</i> <i>Phillips.</i>	North Carolina.
i	28	<i>lasmodon</i> <i>Phillips.</i>	Alabama.

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Pa.	Pl.	Fig.	Name.	Locality.
July,	1841			Haldeman. —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> Haldeman.	
i	53			<i>Pisidium abruptum</i> Haldeman.	Elk river, Md.
i	53			<i>abditum</i> Haldeman.	Lancaster Co., Pa.
Sept.	1841			Haldeman. —Descriptions of two new Fresh-water Shells: by S. S. HALDEMAN.	
i	78			<i>Amnicola attenuata</i> Haldeman.	Montgomery Co., Va.
i	78			<i>Physa globosa</i> Haldeman.	Nolachucky river.
i	79			Notes on <i>Ancylus</i> .	
Oct.	1841			Haldeman. —Description of a new species of Fresh-water Shells: by S. S. HALDEMAN.	
i	103			<i>Cyclas (Pisidium) dentata</i> Haldeman.	Oregon.
i	103			<i>Pisidium abruptum</i> (of p. 53) = <i>P. dubium</i> Say.	
i	104			<i>Unio Tappanianus</i> Lea = <i>U. viridis</i> Raf.	
i	104			Introduction of Uniones into the Susquehanna.	
Dec.	1841			J. S. Phillips.	
i	133			<i>Helix bidentifera</i> Phillips = <i>H. barbula</i> .	Portugal, not North Carolina.
May,	1842			S. S. Haldeman. —Notes on Nomenclature of Uniones, &c.	
i	177				
Nov.	1842			I. Lea. —Notes on the same.	
i	215				
Mar	1853			J. G. Anthony. —Note on <i>Melatoma</i> and <i>Apella scissura</i> Mighels (<i>Schizostoma</i>).	
i	251				
ii				J. G. Anthony. [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> Hald. and <i>Paludina subsolida</i> Anth. occur.—W. G. B.]	
Oct.	1845			Leidy. —List of recent Fresh-water Univalves found Fossil in White Pond, N. J.: by Dr. JOSEPH LEIDY.	
ii	281				
Feb.	1846			Haldeman. —Notice of introduction of Western Uniones into the Susquehanna: by S. S. HALDEMAN.	
iii	15				
iii	19			Conrad. —Descriptions of new species of Fossil and Recent Shells and Corals: by T. A. CONRAD.	
iii	23	i	1	<i>Cyrena Floridaana</i> Conr.	Tampa Bay.
iii	24	i	13	<i>Venus cuneimeris</i> Conr.	Tampa Bay.
iii	24	i	4	<i>Nucula eborea</i> Conr.	Keys of Tampa Bay.

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Pa.	Pl.	Fig.	Name.	Locality.
iii	24	i	8	<i>Modiola papyria</i> <i>Conr.</i>	Tampa Bay.
iii	24	i	3	<i>Astarte flabella</i> <i>Conr.</i>	Tampa Bay, Egmont
iii	24	i	6	<i>triquetra</i> <i>Conr.</i>	Tampa Bay. [Key.
iii	24	i	7	<i>Osteodesma hyalina?</i>	Florida.
iii	24	i	10	<i>Solecurtus fragilis</i> (var.)	Egmont Key, Tampa
iii	24			<i>Lucina nassula</i> <i>Conr.</i>	Tampa Bay. [Bay.
iii	25	i	2	<i>Corbula limatula</i> <i>Conr.</i>	Coast of Florida.
iii	25	i	9	<i>Pollia tincta</i> <i>Conr.</i>	Tampa Bay.
iii	25	i	12	<i>cancellaria</i> <i>Conr.</i>	Ship Isl., G'f of Mex.
iii	25			<i>Murex cellulosa</i> <i>Conr.</i>	Tampa Bay.
iii	25			<i>Tampaensis</i> <i>Conr.</i>	Tampa Bay.
iii	25			<i>ostrearum</i> <i>Conr.</i>	Tampa Bay.
iii	26	i	17	<i>Marginella succinea</i> <i>Conr.</i>	Tampa Bay.
iii	26			<i>albilabris</i> <i>Conr.</i>	Tampa Bay.
iii	26	ii	34	<i>Oliva mutica.</i>	St. Joseph's Bay, Fla.
iii	26	ii	35	<i>Trochus Tampaensis</i> <i>Conr.</i>	Tampa Bay.
iii	26	i	18	<i>Triton lineolatum</i> <i>Conr.</i>	Tampa Bay.
iii	26			<i>Cerithium protextum</i> <i>Conr.</i>	Tampa Bay?
iii	26	i	5	<i>Bulla succinea</i> <i>Conr.</i>	Tampa Bay. [Bay.
iii	26			<i>Crepidula maculosa</i> <i>Conr.</i>	Mullet Key, Tampa
iii	27			<i>Dentalium eboreum</i> <i>Conr.</i>	S. coast of Florida.
June,	1846			S. S. Haldeman. —Description of—	
iii	75			<i>Unio abacoides</i> <i>Hald.</i>	East Tennessee.
Dec.	1846			Leidy. —On the situation of the Olfactory Sense in	
iii	136			the Terrestrial Tribe of the Gasteropodous Mollusca:	
				by JOSEPH LEIDY, M. D.	
iii	137			Leidy. —On the same in <i>Helix pomatia</i> .	
Dec.	1848			Conrad. —Descriptions of two new genera and new	
				species of Recent Shells, &c.: by T. A. CONRAD.	
iv	121			<i>Parapholas</i> <i>Conr.</i> (n. g.)	
iv	121			<i>Californica</i> <i>Conr.</i>	
				<i>Pholas Californica</i> <i>Conr.</i>	
iv	121			<i>Cryptomya</i> <i>Conr.</i> (n. g.)	
iv	121			<i>Californica</i> <i>Conr.</i>	
				<i>Spharhia Californica</i> <i>Conr.</i>	
iv	121			<i>Lyonsia Floridana</i> <i>Conr.</i>	
				<i>Osteodesma hyalina</i> <i>Conr.</i> , preoc. iii, 24.	
iv	121			<i>Leguminaria Floridana</i> <i>Conr.</i>	
				<i>Solecurtus fragilis</i> <i>Conr.</i> , preoc. iii, 54.	
iv	121			<i>Psammobia Californica</i> <i>Conr.</i> , Journ. 7.	
Feb.	1849			Conrad. —Descriptions of new Fresh-water and Ma-	
				rine Shells: by T. A. CONRAD.	
iv	152			<i>Unio securiformis</i> <i>Conr.</i>	Flint river, Ga.
iv	152			<i>stagnalis</i> <i>Conr.</i>	Ogeechee river, Ga.
iv	153			<i>Ogeecheensis</i> <i>Conr.</i>	Ogeechee river, Ga.
iv	153			<i>aratus</i> <i>Conr.</i>	Flint river, Ga.
iv	153			<i>rosaceus</i> <i>Conr.</i>	Savannah river.

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Page.	Name.	Locality.
iv	153	Unio contrarius <i>Conr.</i>	Ogeechee river.
iv	154	nucleopsis <i>Conr.</i>	Etowah river.
iv	154	limatulus <i>Conr.</i> [p. 162.]	Savannah river.
iv	154	aratus (plectophorus) <i>Conr.</i> on	Flint river, Ga.
iv	154	Margaritana Etowahensis <i>Conr.</i>	Etowah river.
iv	154	Melania cœlatura <i>Conr.</i>	Savannah river.
iv	154	perangulata <i>Conr.</i>	Savannah river.
iv	155	nebulosa <i>Conr.</i>	Savannah river.
iv	155	percarinata <i>Conr.</i>	Savannah river.
iv	155	symmetrica <i>Conr.</i>	Savannah river.
iv	155	Solecardia <i>Conr.</i> (n. g.)	Lower Calif'a or Peru.
iv	155	eburnea <i>Conr.</i>	Lower Calif'a or Peru.
iv	155	Petricola sinuosa <i>Conr.</i>	Lower Calif'a or Peru.
iv	155	Cyathodonta <i>Conr.</i> (n. g.)	Lower Calif'a or Peru.
iv	156	undulata <i>Conr.</i>	Lower Calif'a or Peru.
iv	156	Pholadopsis <i>Conr.</i> (n. g.)	Lower Calif'a or Peru.
iv	156	pectinata <i>Conr.</i>	Lower Calif'a or Peru.
iv	156	Parapholas bisulcata <i>Conr.</i>	Lower Calif'a or Peru.
iv	156	Penitella Wilsoni <i>Conr.</i>	Lower Calif'a or Peru.
iv	156	Triton perforatus <i>Conr.</i>	Lower Calif'a or Peru.
iv	156	Oliva propatula <i>Conr.</i>	Lower Calif'a or Peru.
Apr.	1849.	Keller. —On Ciliary Cells in some Maine Naked Mollusca	
iv	173	in Embryo (Eolis , Acteon viridis , Cantops Harvarti Agassiz): by WILLIAM KELLER, M. D.	
Feb.	1850.	Conrad. —Descriptions of new species of Fresh-water Shells: by T. A. CONRAD.	
v	10	Unio Aberti <i>Conr.</i>	Verdigris river, Ark.
Mar.	1852.	Lea. —Note on the Periodicity of Naiades: by ISAAC LEA.	
Apr.	1852.	Lea. —Remarks on Species and on Agassiz's Division of the Naiades: by ISAAC LEA.	
vi	58		
Dec.	1852.	Conrad. —Notes on Shells, with descriptions of new species: by T. A. CONRAD.	
vi	199	<i>Cryptodon</i> , preoc. = Schizothærus .	
vi	199	<i>Nuttallii</i> <i>Conr.</i> = Schizothærus Nuttallii .	
vi	199	<i>Unio turgidus</i> Lea = U. Mortoni <i>Conr.</i>	
Feb.	1853.	Conrad. —Synopsis of the Family of Naiades of North 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.]	
vi	243		
Vol.	Pa.	Name.	Vol. Pa. Name.
vi	244	Unio abacus <i>Hald.</i>	vi 244 Unio affinis <i>Lea.</i>
vi	244	Aberti <i>Conr.</i>	vi 244 amœnus <i>Lea.</i>
		<i>U. Lamarckianus</i> <i>Lea.</i>	vi 244 amygdalum <i>Lea.</i>
vi	244	acutissimus <i>Lea.</i>	vi 244 altilis <i>Conr.</i>

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	245	Unio angustatus <i>Lea.</i>	vi	246	Unio Clarkianus <i>Lea.</i>
vi	245	apiculatus <i>Say.</i> <i>U. asper</i> Jay, not <i>Lea.</i>	vi	246	clava <i>Lam.</i> <i>U. mytiloides</i> Raf.
vi	245	approximus <i>Lea.</i>			<i>scalenia</i> Raf.
vi	245	arctior <i>Lea.</i>			<i>cuneatus</i> Raf.
vi	245	arctatus <i>Conr.</i>			<i>modioliformis</i> <i>Say.</i>
vi	245	arcus <i>Conr.</i>			<i>clarus</i> <i>Lea.</i>
vi	245	argenteus <i>Lea.</i>	vi	247	coccineus <i>Hild.</i>
vi	245	asper <i>Lea.</i> <i>U. apiculatus</i> Jay (var.)	vi	247	collinus <i>Conr.</i>
vi	245	Barrattii <i>Lea.</i>	vi	247	complanatus <i>Soland.</i> <i>Mya complanata</i> <i>Soland.</i>
vi	245	Barnesianus <i>Lea.</i>			<i>U. complanatus</i> <i>Lea.</i>
vi	245	biangulatus <i>Lea.</i>			<i>violaceus</i> Speng.
vi	245	Bigbyensis <i>Lea.</i>			<i>coarctata</i> <i>Lam.</i>
vi	245	Binneyi <i>Lea.</i>			<i>purpurascens</i> <i>Lam.</i>
vi	245	Blandingianus <i>Lea.</i>			<i>rhombola</i> <i>Lam.</i>
vi	245	Bournianus <i>Lea.</i>			<i>carinifera</i> <i>Lam.</i>
vi	245	Brumbyanus <i>Lea.</i>			<i>Georgina</i> <i>Lam.</i>
vi	245	Boydianus <i>Lea.</i>			<i>sulcidens</i> <i>Lam.</i>
vi	245	Buckleyi <i>Lea.</i>			<i>glabrata</i> <i>Lam.</i>
vi	245	Buddianus <i>Lea.</i>			<i>rarisulcata?</i> <i>Lam.</i>
vi	245	buxeus <i>Lea.</i>			<i>aurata</i> Raf.
vi	245	bullatus <i>Raf.</i> <i>U. verrucosus albus</i> <i>Hild.</i>			<i>jejunus?</i> <i>Lea.</i>
		<i>pustulosus</i> <i>Lea.</i>			<i>Roanokensis?</i> <i>Lea.</i>
vi	245	capax <i>Green.</i> <i>Symphynota globosa</i> <i>Lea.</i>	vi	247	concauus <i>Lea.</i>
		<i>U. capax</i> <i>Küst.</i>	vi	247	congaræus <i>Lea.</i>
vi	245	cælatus <i>Conr.</i>	vi	247	compressissimus <i>Lea.</i>
vi	246	caliginosus <i>Lea.</i>	vi	247	Conradicus <i>Lea.</i>
vi	246	callosus <i>Lea.</i>	vi	247	contrarius <i>Conr.</i>
vi	246	camptodon <i>Say.</i> <i>U. Sayi</i> <i>Lea</i> , not <i>Tapp.</i>	vi	247	constrictus <i>Conr.</i>
vi	246	capsæformis <i>Lea.</i>	vi	247	Cooperianus <i>Lea.</i>
vi	246	cardium <i>Raf.</i> <i>U. ventricosus</i> <i>Barnes.</i>	vi	247	cor <i>Conr.</i>
		<i>occidens</i> <i>Lea.</i>	vi	247	cordatus <i>Raf.</i> (<i>Obovaria</i>).
		<i>subovatus</i> <i>Lea.</i>	vi	247	creperus <i>Lea.</i>
		<i>ovata</i> <i>Lam.</i> (var. b?)	vi	247	crocatus <i>Lea.</i>
vi	246	carlosus <i>Say.</i> <i>U. ovata</i> <i>Valen.</i>	vi	247	Cumberlandianus <i>Lea.</i> <i>U. Cumberlandicus</i>
		<i>cariosus</i> <i>Küst.</i>	vi	248	<i>glaber?</i> <i>Lea.</i> [<i>Chenus.</i>
		<i>Lampsilis cariosa</i> <i>Agas.</i>	vi	248	cuneolus <i>Lea.</i>
vi	246	Carolinianus <i>Bosc.</i> [MS. <i>U. obesus</i> <i>Lea.</i>	vi	248	Cuvierianus <i>Lea</i>
vi	246	castaneus <i>Lea.</i>	vi	248	cyphius <i>Raf.</i> <i>U. Æsopus</i> <i>Green.</i>
vi	246	catillus <i>Conr.</i>	vi	248	cylindricus <i>Say.</i> <i>U. naviformis</i> <i>Lam.</i>
vi	246	cerinus <i>Conr.</i> <i>U. flavus</i> <i>Lea</i> , not <i>Raf.</i>			<i>Elliptio solenoides</i> <i>Raf.</i>
vi	246	cicatricosus <i>Say.</i> <i>U. varicosus</i> <i>Lea.</i>			<i>Thelidermu cylindrica</i> Swains.
vi	246	Cincinnatiensis <i>Lea.</i>	vi	248	cyrenoides <i>Phillipi.</i>
vi	246	Claibornensis <i>Lea.</i> <i>U. obtusus?</i> <i>Lea.</i>	vi	248	dactylus <i>Lea.</i>
			vi	248	Dartensis <i>Lea.</i>
			vi	248	decisus <i>Lea.</i>

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	248	Unio declivis Say. <i>U. geometricus</i> Lea.	vi	249	Unio fraternus Lea.
vi	248	delumbis Conr. <i>U. modioliformis</i> Lea.	vi	249	fulgidus Lea.
vi	248	decoratus Lea.	vi	250	furvus Conr. <i>U. Hanleyanus?</i> <i>Troschelianus?</i>
vi	248	dilatatus Raf. (<i>Elliptio</i>). <i>U. cuprea</i> Raf. <i>atroviolacea</i> Raf. (<i>Obliquaria</i>). <i>nasutus</i> Lam., not S. <i>gibbosus</i> Barnes. <i>arcticor?</i> Lea. (y'ng).	vi	250	fuliginosa Lea.
vi	248	discus Lea.	vi	250	fuscatus Lea.
vi	248	dolabræformis Lea.	vi	250	Geddingsianus Lea.
vi	248	dolabelloides Lea.	vi	250	Georgianus Lea.
vi	248	Dorfeuillianus Lea.	vi	250	gibber Lea.
vi	248	dromas Lea. <i>U. caperatus</i> Lea.	vi	250	Gibbesianus Lea.
vi	248	Duttonianus Lea.	vi	250	glaber Lea.
vi	248	Edgarianus Lea.	vi	250	glans Lea. <i>U. Brumbyanus</i> Lea.
vi	248	Eastbrookianus Lea.	vi	250	Gouldii Lea.
vi	248	exiguus Lea.	vi	250	graniferus Lea.
vi	249	excultus Conr. <i>U. declivis</i> Lea, not Say.	vi	250	Greenii Conr. <i>U. simplex</i> Lea.
vi	249	famelicus Gould.	vi	250	Griffithianus Lea.
vi	249	fasciolaris Raf. <i>U. phascolus</i> Hild. <i>sinuatus</i> Raf. <i>mucronatus</i> Barnes. <i>planulatus</i> Lea. <i>cuneatus</i> Barnes. <i>phascolus</i> Say. <i>planulata</i> Desh. <i>camelus</i> Lea.	vi	250	Haleianus Lea.
vi	249	fasciatus Ann. <i>U. crassus?</i> Say. <i>carinatus</i> Barnes. <i>ellipticus</i> Barnes.	vi	250	Hayesianus Lea.
vi	249	fasciolus Raf. <i>U. subangulatus</i> Lea.	vi	250	hebes Lea.
vi	249	fatus Lea.	vi	250	heterodon Lea.
vi	249	Fisherianus Lea. <i>U. nasutus</i> Conr. (var.)	vi	250	Holstonensis Lea.
vi	249	flavescens Lea.	vi	250	hyalinus Lea.
vi	249	flavus Raf. <i>U. rubiginosus</i> Lea.	vi	250	Hydianus Lea. <i>U. Claibornensis?</i> Lea.
vi	249	flexuosus Raf. <i>U. foliatus</i> Hild.	vi	250	icterinus Conr. <i>U. fulvus</i> Lea.
vi	249	Floridensis Lea.	vi	250	ineptus Lea.
vi	249	folliculatus Lea.	vi	250	infurcatus Conr. <i>U. securiformis?</i> Conr.
vi	249	Forbesianus Lea. <i>U. congaræus?</i> Lea.	vi	250	intermedius Conr.
vi	249	Foremanianus Lea.	vi	250	interruptus Raf. <i>U. brevidens</i> Lea.
vi	249	fragosus Conr.	vi	251	Jayensis Lea.
			vi	251	jejunus Lea. [<i>ianus?</i>]
			vi	251	Keinerianus Lea (<i>Keiner-</i>
			vi	251	Kirtlandianus Lea.
			vi	251	Kleinianus Lea.
			vi	251	lanceolatus Lea.
			vi	251	lapillus Say. <i>U. fabalis</i> Lea.
			vi	251	lævigatus Raf. (<i>Elliptio</i>). <i>U. lens</i> Lea.
			vi	251	latiradiatus Conr. <i>U. interruptus</i> Lea.
			vi	251	lazarus Lea.
			vi	251	Lecontianus Lea.
			vi	251	lenior Lea.
			vi	251	Leseurianus Lea.
			vi	251	lineatus Lea.
			vi	251	lienosus Conr. <i>U. obscurus</i> Lea.

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	251	Unio ligamentinus Lam. <i>U. fasciolus</i> Conr., not Raf.	vi	253	Unio nodiferus Conr. <i>U. prasinus</i> Lea, not Con.
		<i>multiradiatus</i> Lea.	vi	253	nodulatus Raf. <i>U. pustulatus</i> Lea.
vi	251	limatulus Conr. <i>U. Tuomeyi</i> Lea. [<i>ria.</i>)]	vi	253	notatus Lea.
vi	251	lineolatus Raf. (<i>Obliqua-</i> <i>U. depressa</i> Raf., not <i>securis</i> Lea. [Lam.]	vi	253	Novi-Eboraci Lea.
vi	251	luridus Lea.	vi	253	nucleopsis Conr.
vi	251	luteolus Lam. [Barnes. <i>U. siliquoides</i> Conr., <i>inflatus</i> Barnes. <i>Lampsilis siliquoides</i>	vi	253	nexus Say. <i>U. arciformis</i> Lea.
vi	252	lugubris Lea. [Stimp.]	vi	253	notatus Lea. <i>U. simus</i> Lea.
vi	252	maculatus Conr. <i>U. Ravenelianus</i> Lea.	vi	253	obliquus Lam. <i>U. obliquus</i> Fer. <i>ebenus</i> Lea. [Barn. <i>undatus</i> Desh., not <i>mytiloides?</i> Swains., not Raf. [<i>quario</i>].
vi	252	Masoni Conr.	vi	253	obliquatus Raf. (<i>Obli-</i> <i>U. ridibundus</i> Say.
vi	252	mcestus Lea.			<i>sulcatus</i> Lea.
vi	252	merus Lea.	vi	253	obovalis Raf. <i>U. solidus</i> Lea.
vi	252	Menkianus Lea.	vi	253	obtusus Lea.
vi	252	metallicus Say. <i>U. cuprinus</i> Lea.	vi	253	occidentalis Conr.
vi	252	metanever Raf. <i>U. metaneverus</i> Say. <i>nodosus</i> Barnes. <i>rugosus?</i> Barnes. <i>metanever</i> Lea.	vi	254	ochraceus 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	minor Lea.	vi	254	olivarius Raf. [De Kay. <i>U. ellipsis</i> Lea.
vi	252	Mississippiensis Conr.	vi	254	Ogeecheensis Conr.
vi	252	Mortoni Conr. <i>U. turgidus</i> Lea.	vi	254	oratus Conr.
vi	252	Mühlfeldianus Lea.	vi	254	orbiculatus Hild. <i>U. abruptus</i> Say. <i>crassus</i> Conr.
vi	252	Monroensis Lea.	vi	254	ovatus Say. [Barnes. <i>U. ventricosus</i> Desh., not <i>subovatus</i> Desh., not Lea.
vi	252	Moussianus Lea.	vi	254	occidens? Desh., not
vi	252	Nashvillianus Lea.	vi	254	oviformis Conr. [Lea.
vi	252	nasutus Say. <i>Mya nasuta</i> Wood. <i>U. rostratus</i> Valenc. <i>Eurinea nasuta</i> Agas.	vi	254	pallescens Lea.
vi	252	nebulosus Conr.	vi	254	paliatus Lea.
vi	252	neglectus Lea.	vi	254	paludicolor Gould.
vi	252	nexus Say. <i>U. arciformis</i> Lea.	vi	254	papyraceus Gould.
vi	253	nervosus Raf. <i>U. zig-zag</i> Lea. <i>donaciformis</i> .	vi	254	parvus Barnes.
vi	253	ngellus Lea.	vi	254	paulus Lea.
vi	253	niger Raf. <i>U. incrassatus</i> Lea. <i>gibber?</i> Lea.	vi	254	pectorosus Conr. <i>U. perdix</i> Lea. <i>biangulatus</i> Lea.
vi	253	nigerrimus Lea.	vi	254	pellucidus Lea.
vi	253	nigrinus Lea.	vi	254	penitus Conr.
vi	253	nitens Lea.			

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	254	Unio perovatus.			<i>U. Virginiana</i> Lam.
		<i>U. nux</i> Lea.			<i>Mya oblongata</i> Wood.
vi	254	perovalis <i>Conr.</i>			<i>U. ochraceus</i> Desh., not
vi	254	pernodosus <i>Lea.</i>			<i>radiatus</i> <i>Con.</i> [Say.
vi	255	pectitus <i>Conr.</i>			<i>Lampsilis radiata</i> Agas.
vi	255	personatus <i>Say</i> (fem'le).	vi	256	Unio Rangianus <i>Lea.</i> [MS.
		<i>U. capillaris</i> <i>Lea.</i>	vi	256	Raveneli <i>Conr.</i>
		<i>pileus</i> <i>Lea</i> (male).			<i>U. confertus</i> <i>Lea.</i>
vi	255	perstriatus <i>Lea.</i>			<i>Waterensis</i> <i>Lea.</i>
vi	255	Phillipsii <i>Conr.</i>	vi	256	rectus <i>Lam.</i> [<i>tiu.</i>]
vi	255	pictus <i>Lea.</i>			<i>U. latissima</i> <i>Raf.</i> (<i>Ellip-</i>
vi	255	pilaris <i>Lea.</i>			<i>prælongus</i> <i>Barnes.</i>
vi	255	placitus <i>Lea.</i>			<i>rectus</i> <i>Kust.</i>
vi	255	planilateris <i>Conr.</i>			<i>Eurinea prælonga</i> <i>Agas.</i>
vi	255	plenus <i>Lea.</i>	vi	256	Reevianus <i>Lea.</i> [MS.
vi	255	plexus <i>Conr.</i>	vi	256	reflexus <i>Raf.</i>
		<i>U. pliciferus</i> <i>Lea.</i>			<i>U. cornutus</i> <i>Barnes.</i>
		<i>subtrapezius</i> <i>Phillipi.</i>	vi	256	regularis <i>Lea.</i>
		<i>carbonarius</i> <i>Lea.</i>	vi	256	retusus <i>Lam.</i>
vi	255	Powellii <i>Lea.</i>			<i>U. torsa</i> <i>Raf.</i>
vi	255	politus <i>Say.</i>			<i>obtusa</i> <i>Cuv.</i>
		<i>U. brevisialis?</i> <i>Lam.</i>	vi	257	rivularis <i>Conr.</i> [Say.
		<i>olivarius</i> <i>Raf.</i> , var. 2.			<i>U. declivis</i> <i>Conr.</i> , not
		<i>brevisialis</i> <i>Cronch.</i>	vi	257	Roanokensis <i>Lea.</i>
		<i>subrotundus</i> <i>Lea</i> , not	vi	257	rosaceus <i>De Kay.</i>
		<i>politus</i> <i>Conr.</i> [Raf.	vi	257	rotundatus <i>Lam.</i>
vi	255	Prevostianus <i>Lea.</i>			<i>U. suborbiculata</i> <i>Lam.</i>
vi	255	prasinus <i>Conr.</i>			<i>decorticata</i> <i>Raf.</i>
		<i>U. Schoolcraftensis</i> <i>Lea.</i>			<i>glebulus</i> <i>Say.</i>
		<i>nodiferus</i> <i>Lea</i> , not C.			<i>subglobosus</i> <i>Lea.</i>
vi	255	productus <i>Conr.</i>			<i>rotundatus</i> <i>Lea.</i>
vi	255	proximus <i>Lea.</i>	vi	257	rubellus <i>Conr.</i>
vi	255	pullus <i>Conr.</i>	vi	257	ruber <i>Raf.</i>
vi	255	pulvinulus <i>Lea.</i>			<i>U. pyramidatus</i> <i>Lea.</i>
vi	255	pumilus <i>Lea.</i>			<i>coccineus</i> <i>Jay</i> , not
vi	255	puniceus <i>Hald.</i>	vi	257	rudis <i>Conr.</i> [Hild.
vi	255	purpuratus <i>Lam.?</i>			<i>U. Ravenelianus</i> <i>Lea.</i>
		<i>U. ater</i> <i>Lea.</i>	vi	257	rufusculus <i>Lea.</i>
		<i>lugubris</i> <i>Say.</i>	vi	257	Rumphianus <i>Lea.</i>
		<i>atra</i> <i>Desh.</i>	vi	257	sagittiformis <i>Lea.</i>
		<i>purpuratus</i> <i>Lea.</i>	vi	257	Sapotalensis <i>Lea.</i>
		<i>Mya ventricosa</i> <i>Soland.</i>	vi	257	saxeus <i>Conr.</i>
vi	256	purpurilatus <i>Say.</i>	vi	257	satur <i>Lea.</i>
		<i>U. Medellinus</i> <i>Lea.</i>	vi	257	securiformis <i>Conr.</i>
vi	256	pusillus <i>Lea.</i>	vi	257	semigranosus <i>V d. Busc.</i>
vi	256	pygmæus <i>Lea.</i>	vi	257	Shepardianus <i>Lea.</i>
vi	256	quadrolus <i>Raf.</i>	vi	257	simus <i>Lea.</i>
		<i>U. asperrimus</i> <i>Lea.</i>	vi	257	sintoxia <i>Raf.</i>
		<i>lachrymosus</i> <i>Lea.</i>	vi	257	sordidus <i>Lea.</i>
vi	256	radiatus <i>Lam.</i>	vi	257	Sowerbianus <i>Lea.</i>
		<i>Mya radiata</i> <i>Gmel.</i>	vi	257	sparsus <i>Lea.</i>
		<i>Mya</i> <i>Schrot.</i>	vi	257	spatulatus <i>Lea.</i>
		<i>radiata</i> <i>Dillwyn.</i>	vi	257	spinosus <i>Lea.</i>
		<i>pictorum tenuis</i> <i>Chem.</i>	vi	257	splendidus <i>Lea.</i>

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	257	Unio stagnalis <i>Conr.</i>	vi	259	Unio verrucosus <i>Raf.</i>
vi	258	stapes <i>Lea.</i>			<i>U. tuberculatus</i> <i>Barnes.</i>
vi	258	stegarius <i>Raf.</i>	vi	259	viridis <i>Raf.</i>
		<i>U. irroratus</i> <i>Lea.</i>			<i>U. Tappanianus</i> <i>Lea.</i>
vi	258	Stewardsonii <i>Lea.</i>	vi	260	vibex <i>Conr.</i>
vi	258	Stonensis <i>Lea.</i>	vi	260	Whiteanus <i>Lea.</i>
vi	258	stamineus <i>Conr.</i>	vi	260	Zeiglerianus <i>Lea</i> (<i>Zieg-</i>
vi	258	striatus <i>Lea.</i>			<i>lerianus</i> ?)
vi	258	strigosus <i>Lea.</i>	vi	260	Metaptera alata.
vi	258	subinflatus <i>Conr.</i>			<i>Unio alata</i> <i>Say.</i>
		<i>U. Hopetonensis?</i> <i>Lea.</i>			<i>Symphynota alata</i> <i>Lea.</i>
vi	258	subplanus <i>Conr.</i>			<i>Unio alatus</i> <i>Lea.</i>
vi	258	subrotundus <i>Raf., y'ng.</i>			<i>M. megaptera</i> <i>Raf.</i>
		<i>U. striatus</i> <i>Raf., old.</i>			<i>Lymnadia alata</i> <i>Swains.</i>
		<i>circulus</i> <i>Lea.</i>			<i>Unio alatus</i> <i>Kust.</i>
vi	258	subtentus <i>Say.</i>	vi	260	fragilis.
vi	258	subrostratus <i>Say.</i>			<i>Elliptio fragilis</i> <i>Raf.</i>
		<i>U. iris</i> <i>Lea.</i>			<i>Unio fragilis</i> <i>Swains.</i>
vi	258	symmetricus <i>Lea.</i>			<i>fragilis</i> <i>Say.</i>
vi	258	Tampicoensis <i>Lea.</i>			<i>gracilis</i> <i>Barnes.</i>
vi	258	tæniatus <i>Conr.</i>			<i>Symphynota gracilis</i> <i>Lea.</i>
		<i>U. pulcher</i> <i>Lea.</i>			<i>Unio gracilis</i> <i>Lea.</i>
vi	258	Taitianus <i>Lea.</i>	vi	260	inflata.
vi	258	Tecomatensis <i>Lea.</i>			<i>Symphynota inflata</i> <i>Lea.</i>
vi	258	Tennesseensis <i>Lea.</i>			<i>Unio inflatus</i> <i>Conr.</i>
vi	258	tener <i>Lea.</i>			<i>Alabamensis</i> <i>Conr.</i>
vi	258	tenerus <i>Ravenel.</i>	vi	260	Ohiensis.
		<i>U. tenebrosus</i> <i>Conr.</i>			<i>Lastena Ohiensis</i> <i>Raf.</i>
vi	258	tetralasmus <i>Say.</i>			<i>Unio lævissimus</i> <i>Lea.</i>
vi	259	teres <i>Raf.</i>	vi	260	Plectomerus <i>Conr.</i> (n. g.)
		<i>U. anodontoides</i> <i>Lea.</i>	vi	260	atromarginatus.
vi	259	trabalis <i>Conr.</i>			<i>Unio atromarginatus</i> <i>Lea.</i>
		<i>U. Troostensis</i> <i>Lea.</i>	vi	260	Boykianus.
vi	259	trigonus <i>Lea.</i>			<i>Unio Boykianus</i> <i>Lea.</i>
vi	259	tortivus <i>Lea.</i> [<i>ria.</i>]	vi	260	costatus.
vi	259	torulosus <i>Raf.</i> (<i>Obliqua-</i>			<i>Unio costatus</i> <i>Raf.</i>
		<i>U. gibbosus</i> <i>Raf.</i>			<i>undulatus</i> <i>Barnes.</i>
		<i>perplexus</i> <i>Lea.</i>			<i>latecostatus</i> <i>Lea.</i>
vi	259	triqueter <i>Raf.</i>	vi	261	crassidens.
		<i>U. triangularis</i> <i>Barnes.</i>			<i>Unio crassidens</i> <i>Lam.</i>
		<i>formosus</i> <i>Lea.</i>			<i>interruptus</i> <i>Say.</i>
		<i>triangularis</i> <i>Lea.</i>			<i>trapezoides</i> <i>Lea.</i>
vi	259	truncatus <i>Raf.</i>	vi	261	Nicklinianus.
		<i>U. elegans</i> <i>Lea.</i>			<i>Unio Nicklinianus</i> <i>Lea.</i>
vi	259	trossulus <i>Lea.</i>	vi	261	perplicatus <i>Conr.</i>
vi	259	tuberosus <i>Lea.</i>			<i>Unio atrocostatus</i> <i>Lea.</i>
vi	259	tumescens <i>Lea.</i>	vi	261	plectophorus <i>Conr.</i>
vi	259	undatus <i>Barnes.</i>	vi	261	plicatus.
vi	259	unicolor <i>Lea.</i>			<i>Unio plicatus</i> <i>Say.</i>
vi	259	utriculus <i>Lea.</i>			<i>Peruviana</i> <i>Lam.</i>
vi	259	Vanuxemiensis <i>Lea.</i>			<i>rariplicata</i> <i>Lam.</i>
vi	259	Vaughnianus <i>Lea.</i>			<i>Dombeyanus</i> <i>Val.</i>
vi	259	velatus <i>Conr.</i>			<i>undulatus</i> <i>Desh.,</i>
vi	259	venustus <i>Lea.</i>			not <i>Barnes.</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.	vi	262	Strophitus (Hemiodon) argenteus. <i>Anadonta argentea</i> Lea.
vi	261	<i>Hippoparus</i> Lea. Plectomerus Sloatianus. <i>Unio Sloatianus</i> Lea. <i>plectophorus?</i> Con.	vi	262	Arkansensis. <i>Anod. Arkansensis</i> Lea.
vi	261	Complanaria complanata. <i>Alas. complanata</i> Barn. <i>Symph. complanata</i> Lea. <i>Unio complanata</i> Desh. <i>Katherina</i> Lea.	vi	262	calceolus. <i>Unio calceola</i> Lea. <i>Margaritana calceola</i>
vi	261	costata. <i>Alasm. costata</i> Raf. <i>rugosa</i> Barnes. <i>C. rugosa</i> Agas.	vi	263	Curreyanus. [Lea. <i>Marg. Curreyana</i> Lea.
vi	261	compressa. <i>Symph. compressa</i> Lea. <i>Unio compressus</i> Conr. <i>C. alasmodontina</i> Stimp.	vi	263	deltoides. <i>Marg. deltoidea</i> Lea.
vi	262	Margaritana arcuata. <i>Alasm. arcuata</i> Barnes. <i>M. margaritifera</i> Lea, not Lin. <i>arcuata</i> Stimp.	vi	263	edentulus. <i>Alasm. edentula</i> Say. <i>Anod. edentula</i> De Kay. <i>edentula</i> Lea. <i>areolata</i> Swains.
vi	262	falcata Gould.	vi	263	Etowaosis Conr.
vi	262	monodonta. <i>Unio monodontus</i> Say. <i>Alasm. monodonta</i> Fer. <i>Unio Soleniformis</i> Lea.	vi	263	fabula. <i>Marg. fabula</i> Lea.
vi	262	Alasmodontia arcuata Lea.	vi	263	Hildrethianus. <i>Marg. Hildrethiana</i> Lea.
vi	262	confragosa Say. <i>Unio confragosa</i> Desh. <i>Marg. confragosa</i> Lea.	vi	263	Holstonia? <i>Marg. Holstonia</i> Lea.
vi	262	marginata Say. <i>Unio varicosa</i> Lam. <i>Mya rugulosa</i> Wood. <i>Marg. marginata</i> Lea. <i>A. marginata</i> De Kay.	vi	263	minor. <i>Marg. minor</i> Lea.
vi	262	truncata Say, MS. <i>A. marginata</i> Auc.	vi	263	radiatus Conr. [Journ. <i>Alasm. radiata</i> Sillim. <i>Marg. radiata</i> Lea.
vi	262	Leptodea lata Raf. <i>Unio dehiscens</i> Say. <i>oricus</i> Lea. <i>dehiscens</i> Lea. <i>Anodonta lata</i> Fer. <i>Unio latus</i> Say.	vi	263	Ravenelianus. <i>Marg. Ravenelianus</i> Lea.
vi	262	leptodon 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	Shæfferiana. <i>Anod. Shæfferiana</i> Lea.
			vi	263	tetragona. <i>Anod. tetragona</i> Lea.
			vi	263	unadilla De Kay.
			vi	263	undulatus. <i>Anod. undulata</i> Say. <i>rugosa</i> Swains. <i>Pennsylvanica</i> Lam <i>S. undulatus</i> Stimp.
			vi	263	virgatus Conr. <i>Anod. Wardiana</i> Lea.
			vi	263	Anodonta angulata Lea.
			vi	263	Benedictensis Lea.
			vi	263	Buchanensis Lea.
			vi	263	Californiensis Lea.
			vi	263	cataracta Say. <i>A. fluviatilis</i> Lea.
			vi	263	cognata Gould.
			vi	263	Couperiana Lea.
			vi	263	cylindracea Lea.
			vi	263	decora Lea.

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	263	Anodonta declivis <i>Conr.</i> <i>A. plana</i> <i>Lea.</i>	vi	264	Anodonta Stewartiana <i>Lea.</i>
vi	264	denigrata <i>Lea.</i>	vi	264	suborbiculata <i>Say.</i>
vi	264	excurvata <i>De Kay.</i>	vi	264	subcylindracea <i>Lea.</i>
vi	264	fragilis <i>Lam.</i>	vi	264	subvexa <i>Conr.</i>
vi	264	ferruginea <i>Lea.</i>	vi	264	teres <i>Conr.</i>
vi	264	Ferussaciana.	vi	264	virens <i>Lea.</i>
vi	264	Footiana <i>Lea.</i>	vi	264	Wahlamatensis <i>Lea.</i>
vi	264	gibbosa <i>Say.</i>			Notes on—
vi	264	gigantea <i>Lea.</i>	vi	264	Unio asper.
vi	264	glauca <i>Valen.</i>	vi	264	cariosus.
vi	264	grandis <i>Say.</i>	vi	265	cerinus.
		<i>A. corpulenta</i> <i>Coop., MS.</i>	vi	265	complanatus <i>Soland.</i>
vi	264	Harpenthis <i>Lea.</i>	vi	265	clava.
vi	264	imbecilis <i>Say.</i>	vi	265	nodiferus <i>Conr.</i>
		<i>A. incerta</i> <i>Lea.</i>	vi	265	ochraceus <i>Say.</i>
vi	264	implicata <i>Say.</i>	vi	265	obliquus <i>Lam.</i>
		<i>A. Newtonensis</i> <i>Lea.</i>	vi	265	plexus <i>Conr.</i>
vi	264	impura <i>Say.</i>	vi	265	prasinus <i>Conr.</i>
vi	264	linneana <i>Lea.</i>	vi	266	purpuratus <i>Lam.</i>
vi	264	lugubris <i>Say.</i>	vi	266	<i>quadrulus</i> is not U. rugo-
vi	264	Marryattana <i>Lea.</i>			sus <i>Barnes.</i>
vi	264	marginata <i>Say.</i>	vi	266	undatus.
vi	264	Nuttalliana <i>Lea.</i>	vi	266	undulatus <i>Barnes.</i>
vi	264	oblita <i>Lea.</i>	vi	266	viridis <i>Raf.</i>
vi	264	opaca <i>Lea.</i>	vi	266	Anodonta cataracta <i>Say.</i>
vi	264	Oregonensis <i>Lea.</i>	vi	266	marginata <i>Say.</i>
vi	264	ovata <i>Lea.</i>	vi	267	Unio cuneatus <i>Raf.</i>
vi	264	pavonia <i>Lea.</i>	vi	267	fasciolus <i>Raf.</i>
vi	264	Pepiniana <i>Lea.</i>	vi	267	simplex <i>Lea.</i>
vi	264	plicata <i>Hald.</i>	vi	267	triangularis <i>Raf.</i>
vi	264	salmonia <i>Lea.</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 **Naia** *Swains.*
- vi 267 **Lanceolaria** *Conr.*
- vi 267 **Monodontina** *Conr.*

GENERA.

- vi 267 **Barbala** *Humph.*
- vi 267 **Hyriopsis** *Conr.*
- vi 267 **Nodularia** *Conr.*

EUROPE.

SUBGENERA.

- vi 267 **Mysca** *Turton.*
- vi 267 **Potamida** *Swains.*

AFRICA.

Family **Muteladæ.**

- vi 267 **Mutela** *Scopoli.*
- vi 267 **Iridella** *Conr.*
- vi 267 **Pleiodon** *Conr.*
- vi 267 **Calliscapha** *Swains.*
Spatha *Lea.*

Family **Unionidæ.**

SUBGENUS.

- vi 267 **Cælatura** *Conr.*

AUSTRALIA.

Family **Unionidæ.**

- vi 267 **Hyridella** *Swains.*

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	267	Parreysia <i>Conr.</i> <i>U. multidentatus</i> Parreyss.			SOUTH AMERICA.
vi	267	Cucumaria <i>Conr.</i>			Family Muteladae .
					GENERA.
		NORTH AMERICA.	vi	267	Leila <i>Gray.</i>
		Family Unionidae .	vi	267	Paxyodon <i>Schum.</i>
		SUBGENERA.	vi	267	Prisodon <i>Schum.</i>
vi	267	Eurinea <i>Raf.</i>			SUBGENUS.
vi	267	Lampsilis <i>Raf.</i>	vi	267	Iridea <i>Swains.</i>
vi	267	Canthyrina <i>Swains.</i>			Fam. Mycetopodidae .
vi	267	Theliderma <i>Swains.</i>	vi	267	Mycetopus <i>D'Orb.</i>
vi	267	Cunicula <i>Swains.</i>			Family Unionidae .
		GENERA.			GENERA.
vi	267	Metaptera <i>Raf.</i>	vi	267	Lamproscapha <i>Swains.</i>
vi	267	Strophitus <i>Raf.</i>	vi	267	Monocondylæa <i>D'Orb.</i>
vi	267	Lastena <i>Raf.</i>	vi	267	Byssodonta <i>D'Orb.</i>
vi	267	Complanaria <i>Swains.</i>			SUBGENUS.
vi	267	Alasmodonta <i>Say.</i>	vi	267	Corrugaria <i>Conr.</i>
		SUBGENERA OF UNIO.			
		NODULARIA <i>CONR.</i>			GLEBULA <i>CONR.</i>
vi	268	Unio Douglasiæ <i>Gray.</i>			Louisiana.
		IRIDEA <i>SWAINS.</i>	vi	268	Unio rotundatus <i>Lam.</i>
vi	268	Unio granosus <i>Lam.</i>			UNIOMERUS <i>CONR.</i>
vi	268	<i>solisiana</i> <i>D'Orb.</i>			Southern States.
vi	268	<i>Paranensis</i> <i>Lea.</i>	vi	268	Unio declivis.
vi	268	<i>rhuacoica</i> <i>D'Orb.</i>	vi	268	<i>camptodon.</i>
vi	268	<i>Fontainiana</i> <i>D'Orb.</i>	vi	268	<i>subcoceus.</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>
		MYSCA <i>TURTON.</i>			THELIDERMA <i>SWAINS.</i>
vi	268	Unio pictorum.	vi	269	Unio Phillipsea.
		LANCEOLARIA <i>CONR.</i>	vi	269	<i>fragosus, &c.</i>
vi	268	Unio Grayanus <i>Lea.</i>			LAMPSILIS <i>RAF.</i>
		CÆLATURA <i>CONR.</i>	vi	269	Unio ochraceus.
vi	268	Unio Ægyptiacus <i>Caill.</i>	vi	269	<i>ovatus, &c.</i>
		CUNICULA <i>SWAINS.</i>			EURINEA <i>RAF.</i>
		North America.	vi	269	Unio nasutus, &c.
vi	268	Unio fasciolaris.			PROPOSED NEW GENERA.
vi	268	<i>lineolatus.</i>			CUCUMARIA <i>CONR.</i>
vi	268	Eastbrookianus.	vi	269	Unio cucumoides <i>Lea.</i>
vi	268	<i>subtentus.</i>			HYRIOPSIS <i>CONR.</i>
vi	268	<i>cœlatus.</i>	vi	269	Unio delphinus <i>Gruner.</i>
vi	268	<i>arcus, &c.</i>			

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
		MONODONTINA CONR.			CORRIGENDA.
vi	269	Margaritana Vondenbuschiana Lea. (<i>M. Buschiana</i> Conr.)	vi	269	<i>Unio angustatus</i> Lea.
			vi	269	<i>capax</i> Green (<i>Symphynota globosa</i> Lea).
			vi	269	<i>capsaformis</i> Lea. [rus.
			vi	269	<i>metanev</i> read <i>U. metaneu-</i>
April, 1853.					
Vol.	Page.	Conrad. —Monograph of the genus <i>Fulgur</i> : by T. A. CONRAD.			
		Name.			Locality.
vi	319	Fulgur carica (<i>Murex</i>) Gmelin. <i>Pyrula carica</i> Lam. <i>aruana</i> Rve. non L.			Georgia to Mass.
vi	319	canaliculatum (<i>Pyrula</i>) Lam. <i>Buccinum ampullaceum</i> Lister. <i>Murex canaliculatus</i> L. <i>Pyrula canaliculata</i> Rve.			N. J., R. I., Mass.
vi	319	perversum (<i>Murex</i>) Linn. <i>Buccinum</i> , &c. Lister. <i>Pyrula perversa</i> Lam.			Southern coast.
vi	319	pyrum (<i>Bulla</i> Dillw.) <i>Buccinum</i> , &c. Lister. <i>Bulla ficus</i> β Gmelin. <i>Pyrula spirata</i> Lam., Rve. <i>F. pyruloides</i> Say. <i>Pyrula spirata</i> Rve.			Southern coast of Fla.
vi	319	candelabrum (<i>Pyrula</i>) Lam.			
vi	319	gibbosum Conrad. <i>Pyrula perversa</i> Kiener (var.)			Campeachy? U. S.?
T. A. Conrad. —Notes on Shells.					
vi	320	Dreissena leucophæatus Conrad. <i>Mytilus leucophæatus</i> Conrad.			Virginia.
vi	320	Artemis concentrica. <i>A. acetabulum</i> Conrad (fossil). <i>Venus concentrica</i> Born.			Florida.
vi	320	elegans Conrad. <i>A. concentrica</i> Rve. non Born.			Florida.
vi	220	discus Reeve [Born. <i>Cytherea concentrica</i> Chenu non			S'n and Middle States.
Dec. 1853.					
vi	448	Conrad. —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	Cassidula corona. <i>Pyrula patula</i> Brod. <i>Murex corona</i> Gmelin. <i>Fusus corona</i> Lam. <i>Buccinum ornatum</i> Say. <i>Melongenina corona.</i>			Florida.

[Proceedings of the Acad. of Nat. Sci. of Philad.—continued.]

Vol.	Page.	Name.	Locality.		
		Conrad. —Omissions and Corrections to the Synopsis of North American Naiades: by T. A. CONRAD.			
vi	449	Unio perobliquus Conrad.			
vi	449	Rangianus Lea.			
vi	449	Sageri Conrad.			
vi	449	Stroph. Etowaensis.			
vi	449	Monodontina Buschiana Conrad. <i>Margarita Von der Buschiana</i> Lea.			
vi	449	<i>Unio pectitus</i> = Scalenaria Agassiz.			
vi	449	<i>Aberti</i> = Crypogenia Agassiz.			
vi	449	<i>fragosus</i> } = Quadrula Agassiz.			
vi	449	<i>nobilis</i> } = Quadrula Agassiz.			
vi	449	<i>apiculatus</i> }			
Mar.	1854.	Conrad. —Notes on Shells, with descriptions of three recent and one fossil species: by T. A. CONRAD.			
vii	31	<i>Gnathodon rostratum</i> Petit = G. flexuosum.			
vii	31	<i>trigonum</i> Petit = G. Lecontei Conrad?			
vii	31	<i>Trigonella</i> Conrad = Pachydesma.			
vii	31	Dolium album Conrad.			
vii	32	Alasmodonta ——— Conrad.			
Dec.	1854.	Lea. —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.	Mr. Lea's date of reading.	Mr. Lea's date of distribution.
vii	242	Unio lanceolatus Lea.	1832 }	1827	1828
vii	242	irroratus Lea.	1832 }		
vii	243	occidens Lea.	1832 }	1829	1829
vii	243	rubiginosus Lea.	1832 }		
		&c.			
Jan.	1855.	Conrad. —Descriptions of three new species of Unio: by T. A. CONRAD.			
		Name.	Locality.		
vii	256	Unio grandensis Conrad.	Rio Grande, Texas.		
vii	256	Taumlipapensis Conrad.	San Juan riv., Taumilla-		
vii	256	Pearlensis Conrad.	Pearl riv., Miss. [pas.		
Feb.	1855.	Conrad. —Description of a new species of Melania: by T. A. CONRAD.			
vii	269	Melania exigua Conrad.	[Colorado Des., Cal.		
Apr.	1856.	Lea. —Descriptions of new Fresh-water Shells from California: by ISAAC LEA.			
viii	80	Pompholyx Lea (n. g.)			
viii	80	effusa Lea.	Sacramento riv., Cal.		
viii	80	Melania Shastaensis Lea.	Shasta & Scott riv, Cal.		
viii	80	nigrina 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>Alusmodonta 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. f. minimalis</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 trivolvus</i> Say.	Horn lake. [Valley.
viii	81	<i>ammon</i> Gould.	Lagoons, Sacramento
viii	92	Lea. —Descriptions of twenty-four new species of Exotic Uniones: by ISAAC LEA.	
viii	95	<i>Unio umbrosus</i> Lea.	[Medellin river, Mex.
May,	1856.	Lea. —Descriptions of four new species of Exotic Uniones: by ISAAC LEA.	
viii	103	<i>Unio Coloradoensis</i> Lea.	[Rio Colorado, Texas
Aug.	1856.	Lea. —Descriptions of fifteen new species of Exotic Melaniana: by ISAAC LEA.	
viii	145	<i>Melania rubida</i> Lea.	[Mexico.
Sept.	1856.	Lea. —Description of the byssus in the genus Unio: by ISAAC LEA.	
viii	213		
Nov.	1856.	Lewis. —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> Pfr.) [<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>disidiossa</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 trivolvus</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>Amnicola 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>Lea.—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>gracilior</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	Lea. —Observations on the Visual Organs of <i>Unio</i> : by ISAAC LEA.	
Feb.	W. G. Binney. —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>Lea.—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.	Lea. —Descriptions of six new species of Uniones from Alabama: by ISAAC LEA.		
83	Unio propinquus <i>Lea.</i>	83	Unio mundus <i>Lea.</i>
83	Florentinus <i>Lea.</i>	83	Thorntoni <i>Lea.</i>
83	biemarginatus <i>Lea.</i>	83	Moorensianus <i>Lea.</i>
	Lea. —Descriptions of eight new species of Naiades from various parts of the United States: by ISAAC LEA.		
84	Unio pinguis <i>Lea.</i>	84	Unio Texasiensis <i>Lea.</i>
84	Higginsii <i>Lea.</i>	84	Anodonta Lewisii <i>Lea.</i>
84	Abbevillensis <i>Lea.</i>	84	lacustris <i>Lea.</i>
84	Jamesianus <i>Lea.</i>	84	modesta <i>Lea.</i>
	Lea. —Descriptions of three new species of Naiades: by ISAAC LEA.		
85	Unio Poeyanus <i>Lea.</i>	85	Unio Canadensis <i>Lea.</i>
85	Coyucan, Mex.		Montreal.
	Lea. —Descriptions of twelve new species of Naiades from North Carolina: by ISAAC LEA.		
85	Unio Wheatleyi <i>Lea.</i>	86	Unio spadiceus <i>Lea.</i>
85	percoarctatus <i>Lea.</i>	86	insulsus <i>Lea.</i>
85	gracilentus <i>Lea.</i>	86	striatulus <i>Lea.</i>
85	micans <i>Lea.</i>	86	macer <i>Lea.</i>
85	Genthii <i>Lea.</i>	86	contractus <i>Lea.</i>
86	Emmonsii <i>Lea.</i>	86	Anodonta virgulata <i>Lea.</i>
	I. Lea. —Note on—		
101	Unio spinosus.		
	Lea. —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	Unio Berlandierii <i>Lea.</i>	102	Helix (Polygyra) Couch-
102	Popeii <i>Lea.</i>		iana <i>Lea.</i>
102	Bairdianus <i>Lea.</i>	102	Tamaulipasensis <i>Lea.</i>
102	Anodonta Henryiana <i>Lea.</i>		
May.	I. Lea.		
104	<i>Unio umbrosus</i> = U. umbrans <i>Lea.</i>		
104	<i>Wheatleyi</i> = U. Catawbensis <i>Lea.</i>		
June.	Conrad. —Descriptions of two new genera of Shells: by T. A. CONRAD.		
165	Gonidea <i>Conr.</i> (n. g.)	165	2 Gonidea feminalis <i>Gld.</i>
165	1 Randalii <i>Trask.</i>		<i>Anodon feminalis</i> <i>Gld.</i>
	<i>Anodon Randalii</i> <i>Trask.</i>	166	3 ? Anodon angulata <i>Lea.</i>

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1857. Page.	Name.	Locality.
	Conrad. —Description of a new genus of the Family Dreis- senidae: by T. A. CONRAD.	
167	Mytilopsis Conrad (nov. gen.)	Virginia.
167	leucophæatus Conrad. <i>Mytilus leucophæatus</i> Conrad.	
	Lea. —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.
169	Unio subgibbosus Lea.	171
169	Savannahensis Lea.	171
169	virens Lea.	171
169	sublatus Lea.	171
169	obnubilus Lea.	171
169	opacus Lea.	171
169	similis Lea.	171
170	æquatus Lea.	171
170	naviculoides Lea.	172
170	viridicatus Lea.	172
170	subflavus Lea.	172
170	sudus Lea.	172
170	tetricus Lea.	172
170	Woodwardius Lea.	
	Name.	Name.
	Unio tenebricus Lea.	Unio tenebricus Lea.
	rufus Lea.	rufus Lea.
	modicus Lea.	modicus Lea.
	denigratus Lea.	denigratus Lea.
	fumatus Lea.	fumatus Lea.
	purpurellus Lea.	purpurellus Lea.
	penicillatus Lea.	penicillatus Lea.
	Plantii Lea.	Plantii Lea.
	subniger Lea.	subniger Lea.
	bulbosus Lea.	bulbosus Lea.
	Macouensis Lea.	Macouensis Lea.
	obfuscus Lea.	obfuscus Lea.
	aquilus Lea.	aquilus Lea.
Oct.	W. G. Binney. —Notes on American Land Shells, No. 2: by W. G. BINNEY.	
	Name.	Locality.
183	Helix (Polygyra) acute-dentata W. G. Binney.	Sinaloa, Mexico.
183	(Polygyra) Loisa W. G. Binney.	Sinaloa, Mexico.
184	Mooreana W. G. Binney.	Washington Co., Tex.
185	cultellata Thompson.	Contra Costa Co., Cal.
185	anachoreta W. G. Binney.	California.
185	aruginosa Gld. prec. = H. arrosa Gld.	
186	tholus W. G. Binney (<i>Polygyra</i>).	Texas.
186	kopnodes W. G. Binney.	Alabama.
187	friabilis W. G. Binney.	Illinois.
187	redimita W. G. Binney.	California? Oregon?
188	Bulimus Dormani W. G. Binney.	St. Augustine, Fla.
189	Glandina corneola W. G. Binney.	Florida?
189	parallela W. G. Binney.	Louisiana.
	Notes on—	
	Name.	Page.
188	Helix Dupetithouarsi	189
188	labiosa Gould. [<i>Desh.</i>]	189
188	Californiensis Lea.	189
188	sportella Gould.	180
188	loricata Gould.	189
189	Rugeli Shuttl.	190
	Name.	Name.
	Helix mordax Shuttl.	Helix mordax Shuttl.
	multilineata Say.	multilineata Say.
	clausa Say.	clausa Say.
	vincta Val.	vincta Val.
	dentifera Binney.	dentifera Binney.
	Nuttalliana Lea.	Nuttalliana Lea.

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1857. Page.	Name.	1857. Page.	Name.
190	Helix Vancouverensis	191	Helix Buffoniana 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	Bulimus dealbatus Say.
190	<i>intertexta</i> Binney.	192	Achatina pellucida Pfr.
191	<i>septemvolva</i> Say.	192	Bulimus virgulatus Pfr.
191	<i>suppressa</i> Say.	192	Glandina truncata Binney.
191	<i>plicata</i> Say.	192	Helicina orbiculata 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	I. Lea. —Notes on the Geographical distribution of—		
	Name.	Locality.	
14	Unio rubiginosus 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	Anodonta Ferussaciana Lea.		
14	<i>decora</i> Lea.		
14	Margaritana complanata Lea.		
	Lea. —Descriptions of new species of <i>Unio</i> from Tennessee, Alabama, and North Carolina: by ISAAC LEA.		
40	Unio turgidulus Lea.	Cumberland riv., Ten. and Florence, Ala.	
40	<i>perradiatus</i> Lea.	Florence, Ala.	
40	Meredithii Lea.	Tenn. r., Florence, Ala.	
40	<i>Pybasii</i> Lea.	Tenn. r., Florence, Ala.	
40	<i>virescens</i> Lea.	Tenn. r., Florence, Ala.	
41	Neusensis Lea.	Neuse river, N. C.	
41	<i>purus</i> Lea.	Neuse river, N. C.	
41	<i>exacutus</i> Lea.	Neuse river, N. C.	

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1858. Page.	Name.	Locality.
	Lea. —Descriptions of a new <i>Helix</i> and two new <i>Planorbis</i> : by ISAAC LEA.	
41	<i>Helix Clarkii</i> Lea.	Cherokee Co., N. C.
41	<i>Planorbis Wheatleyi</i> Lea.	Montgomery Co., Ala.
41	<i>Newberryi</i> Lea.	Klamath lake & Canoe creek, Cal.
May.		
114	Lea. —Observations on the Anatomy of <i>Unio</i> : by ISAAC LEA.	
	W. G. Binney. —Notes on American Land Shells, No. 3: by W. G. BINNEY.	
114	<i>Succinea Haydeni</i> W. G. Binney.	Nebraska.
115	<i>Helix Cooperi</i> W. G. Binney.	Nebraska.
115	<i>Newberryana</i> W. G. Binney.	California.
116	<i>Bulimus patriarcha</i> W. G. Binney.	Buena Vista.
June.		
	I. Lea. —Anatomy of—	
135	<i>Unio rubiginosus</i> Lea.	
	Lea. —Descriptions of seven new species of <i>Margaritana</i> and four new species of <i>Anadonta</i> : by ISAAC LEA.	
138	<i>Margaritana Elliottii</i> Lea.	Georgia.
138	<i>triangulata</i> Lea.	[For localities, vide quotations from Jour.]
138	<i>Connasaugaensis</i> Lea.	
138	<i>Etowahensis</i> Lea.	
138	<i>Gesnerii</i> Lea.	
138	<i>Tombecebensis</i> Lea.	
138	<i>Spillmanii</i> Lea.	
138	<i>Anodonta Hallenbeckii</i> Lea.	
139	<i>Gesnerii</i> Lea.	
139	<i>Dariensis</i> Lea.	
139	<i>Danielsii</i> Lea.	
July.		
	Lea. —Descriptions of twelve new species of <i>Uniones</i> and other Fresh-water Shells of the United States: by ISAAC LEA.	
165	<i>Unio Boswellensis</i> Lea.	Georgia, vide Journal.
165	<i>Postellii</i> Lea.	Georgia, vide Journal.
165	<i>Neislerii</i> Lea.	Georgia, vide Journal.
166	<i>Prattii</i> Lea.	Georgia, vide Journal.
166	<i>Chattanoogaensis</i> Lea.	Georgia, vide Journal.
166	<i>Downiei</i> Lea.	Georgia, vide Journal.
166	<i>Satillaensis</i> Lea.	Georgia, vide Journal.
166	<i>Hazelhurstianus</i> Lea.	Georgia, vide Journal.
166	<i>Melania Postellii</i> Lea.	Georgia.
166	<i>Paludina Elliottii</i> Lea.	Georgia.
166	<i>Lymnea Haydenii</i> Lea.	Yellowstone.
166	<i>Ancylus Newberryi</i> Lea.	Klamath lake, Cal.

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1858. Pa. No.	Name.	1858. Pa. No.	Name.
Nov.	W. G. Binney. —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.]		
	I.		
	Familia Limacea.		
197 1	Arion foliatus Gould.	198 29	Helix Pandoræ Forb.
197 2	Limax Columbianus Gould.		<i>H. damascenus</i> Gould.
		198 30	ramentosa Gould.
		198 31	redemita W. G. Binn.
			<i>H. Nickliniana</i> (var.) Binn.
		198 32	reticulata Pfr.
		198 33	sportella Gould.
			SPECIES EXCLUSA.
		198	<i>Helix Sagraiana</i> Orb.
		198 34	Bullmus Californicus Rve.
		198 35	chordatus Pfr.
		198 36	excelsus Gould.
			<i>B. elatus</i> Gould, in tab.
		198 37	Humboldti Rve.
			<i>B. Mexicanus</i> Val., nec Lam.
			<i>Mexicanus</i> Pfr. (excl. <i>B. Mexicanus</i> Val.)
197 3	Succinea cingulata Forbes.	198 38	Laurentii Sowb.
197 4	Nuttalliana Lea.	198 39	Mexicanus Lam.
197 5	Oregonensis Lea.		<i>Cochlogena vittata</i> Fer.
197 6	rusticana Gould.	198 40	vegetus Gould.
			(<i>B. pallidior</i> Sowb.)
		198 41	vesicalis Gould.
		198 42	zebra Müll.
		198 43	Ziegleri Pfr.
		198 44	Achatina Californica Pfr.
			SPECIES EXCLUSA.
		198	<i>Achatina Albersi</i> Pfr. = Glandina .
			<i>turris</i> Pfr. = Glandina .
197 7	Helix acutedentata W. G. Binn.	198 45	Glandina Albersi Pfr.
	? var. ♂ H. Loisa W. G. B.	198 46	turris (<i>Achatina</i>) Pfr. [Carp.
197 8	anachoreta W. G. Binn.		<i>G. Albersi</i> var. <i>turrita</i> P. P.
197 9	areolata Pfr.		<i>Oleacina turris</i> Gr. et Pfr.
197 10	arrosa Gould in litteris.		
	<i>H. æruginosa</i> Gould.		Familia Auriculacea.
197 11	aspersa Müll. ?		Sub-familia Melampea.
197 12	Californiensis Lea.	198 47	Melampus olivaceus Carp.
	<i>H. vincta</i> Val.		
197 13	Columbiana Lea.		Familia Aciulacea.
	<i>H. labiosa</i> Gould.	198 48	Truncatella Californica Pfr.
197 14	devia Gould.		<i>T. ———?</i> Carp.
	<i>H. Baskervillei</i> Pfr.		
197 15	Dupetithouarsi Desh.		II.
	<i>H. Oregonensis</i> (junior) Lea.		Familia Limacea.
197 16	exarata Pfr. ?	198 49	Vaginulus Floridianus Binn.
197 17	fidelis Gray.		
	<i>H. Nuttalliana</i> Lea.		
197 18	germana Gould.		
197 19	infumata Gould.		
197 20	intercisa W. G. Binn.		
	<i>H. Nickliniana</i> (var.) Binn.		
197 21	Kelletti Forbes.		
197 22	levis Pfr.		
197 23	Loisa W. G. Binn.		
	(an <i>H. acutedentatæ</i> var. ?)		
197 24	loricata Gould.		
	<i>H. Lecontii</i> Lea.		
197 25	Mazatlanica Pfr.		
197 26	Mormonum Pfr.		
197 27	Newberryana W. G. Binn.		
197 28	Nickliniana Lea.		
	<i>H. nemoraviga</i> Val.		
	<i>arboretorum</i> Val.		
	<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 = Tebennophorus dorsalis .
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	Tebennophorus Carolinensis (<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	dorsalis Binn. <i>Philomycus dorsalis</i> Binn. <i>Limax dorsalis</i> De Kay.	199	<i>Testacina</i> Raf.
198 52	Arion empiricorum Fer.	199	<i>Urcinella</i> Raf.
198 53	hortensis 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	Limax agrestis Müll. <i>L. tunicata</i> Gould.	199 57	Familia Helicea.
199 55	campestris Binn.	199 57	Vitrina angelicæ Beck. <i>Helix pellucida</i> Fabr. <i>domestica</i> Ström.
199 56	variegatus Fer. <i>L. flavus</i> Binn.	199 58	limpida Gould. <i>V. pellucida</i> Say. <i>Americana</i> Pfr.
	SPECIES EXCLUSÆ.	199 59	Succinea aurea Lea. <i>S. ovalis</i> teste Anthony.
199	<i>Limax Carolinians</i> De Roissy =	199 60	avara Say. <i>S. Wardiana</i> Lea. var. major .
	Tebennophorus Carolinensis .	199 61	campestris Say.
199	<i>Carolinensis</i> Fer. = Tebennophorus Carolinensis .	199 62	concordialis Gould. <i>S. munita</i> Binn.
199	<i>Columbianus</i> Gould.	199 63	effusa Shutt.
199	<i>dorsalis</i> De Kay = Tebennophorus dorsalis .	199 64	Grœnlandica Beck.
199	<i>fuliginosus</i> Gould.	199 65	Haydeni W. G. Binn. var. minor .
199	<i>gracilis</i> Raf.	199 66	inflata Lea. <i>S. campestris</i> , var., teste Binn.
199	<i>marmoratus</i> De K., vide Tebennophorus Carolinensis .	199 67	lineata W. G. Binn.
199	<i>olivaceus</i> Gould.	199 68	luteola Gould.
199	<i>togata</i> Gld. = Tebennophorus Carolinensis .	199 69	obliqua Say. <i>S. ovalis</i> Say. <i>campestris</i> Gould. <i>lineata</i> De Kay. <i>Cochlohydra ovalis</i> Fer.
	E LIMACEIS EXCLUSÆ.	199 70	ovalis Gould non Say.
199	<i>Eumelus</i> Raf.	199 71	retusa Lea. <i>S. ovalis</i> Binn. <i>campestris</i> Anthony.
199	<i>lividus</i> Raf.	199 72	Salleana Pfr.
199	<i>nebulosus</i> Raf.	199 73	Totteniana Lea. <i>S. obliqua</i> Binn. nec Say.
199	<i>Deroceras</i> Raf.	199 74	vermeta Say = <i>S. avara</i> Say.
199	<i>gracilis</i> Raf.		SPECIES EXCLUSÆ.
199	<i>Philomycus</i> Raf.	200	<i>Succinea amphibia</i> Dr.
199	<i>Carolinensis</i> Fer. = Tebennophorus Carolinensis .	200	<i>putris</i> Linn.

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1858. Pa. No.	Name.	1858. Pa. No.	Name.
200 75	Helix albolabris Say. <i>Helicogena albolabris</i> Fer. <i>H. rufa</i> De Kay (junior). var. <i>dentata</i> .	200 90	var. <i>laminifera</i> . Helix chersina Say. <i>H. fulva</i> teste Chemn.
200 76	alternata Say. <i>Helicella alternata</i> Fer. <i>H. scabra</i> Lam. <i>radiata</i> Gmel. <i>H. infecta</i> Pfr. <i>strongyloides</i> Pfr.? var. 1. <i>albina</i> . 2. Australis . 3. <i>carinata</i> (<i>H. mordax</i>) 4. <i>lævigatior</i> . [Sh.?]	200 91	Clarkii Lea.
200 77	appressa Say. <i>H. linguifera</i> Lam. <i>Helicodonta linguifera</i> Fer. var. <i>a</i> Say.	200 92	clausa Say. <i>H. Pennsylvanica</i> Pfr.
200 78	arborea Say. <i>Helicella arborea</i> Fer. (<i>H. ni-</i>	201 93	concava Say. <i>H. planorboides</i> Pfr. <i>Helicella planorboides</i> Fer.
200 79	Ariadnæ Pfr. [<i>tidæ</i> var.] <i>H. Couchiana</i> Lea.	201 94	Cooperi W. G. Binn.
200 80	aspersa Müll.	201 95	Cumberlandiana (<i>Carocolla</i>). <i>H. Cumberlandiana</i> Binn.
200 81	asteriscus Morse. <i>H. minutissima</i> Gld., nec Lea.	201 96	demissa Binn.
200 82	auriculata (<i>Polygyra</i>) Say. <i>H. auriculata</i> Binn. <i>Helicodonta auriculata</i> Fer. var. <i>minor</i> Fer.? Conf. H. uvulifera . [Binn.? <i>H. auriculata</i> var. <i>avara</i>	201 97	dentifera Binn.
200 83	avara (<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	divesta Gould. <i>H. abjecta</i> Gould. <i>dejecta</i> Gould.
200 84	barbigera Redf.	201 99	Dorfeulliana (<i>Polygyra</i>) Lea. <i>H. fatigiata</i> Binn. <i>Dorfeulliana</i> Bld. nec Pfr.
200 85	bucculenta Gould. <i>H. thyroides</i> (var. β) Pfr.? <i>Helicodonta thyroides</i> (var. ϵ) var. <i>minor</i> . [Fer.?	201 100	Edgariana (<i>Carocolla</i>) Lea. <i>H. Edgariana</i> Pfr. <i>spinosa</i> (var.) Binn.
200 86	bulbina Desh.	201 101	Edvardsi Bld.
200 87	capsella Gould. <i>H. rotula</i> Gould. <i>placentula</i> Shutt.	201 102	egena Say. non <i>H. egena</i> Gould.
200 88	cellaria Müll. ? <i>H. glaphyra</i> Say, nec Pfr. <i>Helicella glaphyra</i> Fer.	201 103	electrina Gould. <i>H. nitidosa</i> (var.) Pfr. <i>pura pars</i> Chemn.
200 89	cereolus Mühl. <i>Polygyra septemvolva</i> Say. <i>H. septemvolva</i> Binn. <i>Helicodonta septemvolva</i> Fer. <i>H. planorbula</i> Lam.	201 104	elevata Say. <i>Helicodonta Knoxvilleana</i> Fer. <i>H. Tennesseeensis</i> (jun.) Lea.
		201 105	Elliotti Redf.
		201 106	exigua Stimp. <i>H. annulata</i> Case. <i>striatella</i> (jun.) teste Gld.
		201 107	exoleta Binn. <i>H. albolabris</i> δ <i>unidentata</i> Pfr. <i>albolabris</i> (var.) D. Chemn. <i>Helicodonta albolabris</i> (var.) <i>H. zabela</i> Binn. [Fer.
		201 108	Fabricii (<i>Petasia</i>) Beck. <i>H. Fabricii</i> Müll. <i>Hammonis</i> Ström.? <i>nitida</i> Fabr.? <i>alliararia</i> Forbes.
		201 109	fallax Say. <i>H. tridentata</i> Binn.
		201 110	fatigiata (<i>Polygyra</i>) Say. <i>H. fatigiata</i> Binn. <i>Texasiana</i> (var.) B. Chemn. <i>Texasiana</i> β Pfr. <i>Dorfeulliana</i> Desh.

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1858.		Name.	1858.		Name.
Pa.	No.		Pa.	No.	
		<i>Helicina fastigiata</i> De Kay.	202	127	Helix inornata Say.
201	111	Helix friabilis W. G. Binn.			<i>H. glaphyra</i> Pfr.
		<i>H. lucubrata</i> Pfr. in litt.	202	128	interna Say.
201	112	fuliginosa Binn.			<i>H. pomum-Adami</i> Green
		<i>H. capillacea</i> Pfr.			var. <i>albina</i> .
		<i>Omphalina cuprea</i> Raf. ?	202	129	intertexta Binn.
202	113	griseola Pfr.			var. <i>carinata</i> .
		<i>H. splendida</i> An.	202	130	jejuna Say.
		<i>cicercula</i> Fer. MS.			<i>H. Mobiliana</i> Lea.
		<i>Brandybæne pisum</i> Beck.	203	131	kopnodes W. G. Binn.
		<i>H. albozonata</i> Binn. ?	203	132	labyrinthica Say.
202	114	gularis Say.			<i>Helicodonta labyrinthica</i> Fer.
		<i>H. bicostata</i> Pfr.	203	133	lævigata Pfr. (excl. <i>H. inor-</i>
		<i>Helicodonta gularis</i> Fer.			<i>Helicella lævigata</i> Fer. [nata.
		<i>Helicostyla Rafinesquea</i> Fer. ?			<i>H. inornata</i> Rve.
		var. <i>umbilicata</i> .			<i>lucubrata</i> Binn.
202	115	Gundlachi Pfr.			<i>fuliginosa</i> Binn.
		<i>H. pusilla</i> Pfr.			var. <i>major</i> Pfr. (an <i>H. lævi-</i>
		<i>egena</i> Gould, nec Say.	203	134	lasmodon Phill. [gata Rve. ?]
202	116	Hazardi Bland.			? <i>H. macilentata</i> Shutt.
		<i>Polygyra plicata</i> Say.	203	135	leporina Gould.
		<i>H. fatigiata</i> Binn.			<i>H. pustula</i> (var. β) Pfr.
		<i>Texasiana</i> Pfr.	203	136	ligera Say.
		<i>Dorfeuilliana</i> Desh.			<i>Helicostyla Rafinesquea</i> Fer. ?
		<i>Troostiana</i> W. G. Binn.			<i>H. Rafinesquea</i> Pfr.
		<i>Helicina plicata</i> De Kay.			<i>Wardiana</i> Lea.
202	117	Hindsii Pfr.	203	137	limatula Ward in Binn.
202	118	hippocrepis Pfr.	203	138	lineata Say.
202	119	hirsuta Say.			<i>Helicella lineata</i> Fer.
		<i>H. fraterna</i> Wood.			<i>Planorbis parallelus</i> Say ?
		<i>sinuata</i> γ Gmelin.	203	139	major Binn.
		<i>isognomostomus</i> γ Gmelin.			<i>H. albolabris</i> Pfr.
		<i>Helicodonta hirsuta</i> Fer.			<i>Helicogena albolabris</i> γ Fer.
		<i>Tridopsis hirsuta</i> Woodw.	203	140	microdonta Desh. in Fer.
		<i>Stenostoma convexa</i> Raf.			<i>H. plana</i> Dunker.
		<i>H. porcina</i> (junior?) Say.	203	141	minuscule Binn.
202	120	hispidula Linn.			<i>H. minutalis</i> Mor., nec Fer.
202	121	Hopetonensis Shutt.			<i>apex</i> Rve.
		<i>H. tridentata</i> Binn.			<i>Lavelleana</i> Orb. in textu.
202	122	hortensis Müll.			<i>Mauriniana</i> Orb. in tab.
		<i>H. nemoralis</i> Stimp.	203	142	minutissima Lea.
		<i>subglobosa</i> Binn.	203	143	Mitchelliana Lea.
202	123	hydrophila Ingalls.			<i>H. clausa</i> Binn.
		<i>H. lucida</i> Drap.			<i>Mitchella</i> Kirt. ?
202	124	incrustedata Poey.	203	144	monodon Raack.
		<i>H. saxicola</i> Binn.			<i>H. convexa</i> Chemn.
202	125	indentata Say.			<i>Helicodonta hirsuta</i> a Fer.
		var. <i>umbilicata</i> .			var. 1. H. fraterna Say.
202	126	inflecta Say.			<i>H. monodon</i> ex parte De Kay.
		<i>Xolotrema clausa</i> Raf.			<i>convexa</i> Chemn.
		<i>Helicodonta clausa</i> Fer.			var. 2. H. Leaii Ward.
		<i>H. clausa</i> Desh.			<i>H. monodon</i> γ Pfr.
		<i>porcina</i> (junior?) Say.	203	145	Mooreana W. G. Binn.

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1858. Pa. No.	Name.	1858. Pa. No.	Name.
203 146	Helix mordax Shutt.		<i>H. alliaria</i> Forbes.
203 147	multidentata Binn.		<i>nitida</i> Fab.
203 148	multilineata Say. <i>Helicogena multilineata</i> Fer. var. <i>albina</i> . var. <i>rufa, unicolor</i> .	205 165	Helix stenotrema Fer. <i>H. hirsuta</i> (var. β) Pfr.
204 149	obstricta Say. <i>H. palliata</i> (var. a) Say. <i>appressa</i> (var.) Desh. <i>Helicodonta denotata</i> (var.) <i>Carocollahelicoides</i> Lea. [Fer.]	205 166	striatella Anth. <i>H. patula</i> (junior?) Pfr. <i>ruderata</i> Ad., nec Studer.
204 150	Otonis Pfr. <i>H. arborea</i> Pfr.	205 167	subplana Binn.
204 151	palliata Say. <i>Helicodonta denotata</i> Fer. <i>H. denotata</i> Desh. in Lam. <i>notata</i> Desh. var. Carolinensis . <i>H. Carolinensis</i> Lea. <i>palliata</i> (var. c) De Kay.	205 168	suppressa Say. <i>H. gularis</i> (var. β) Pfr.
204 152	Pennsylvanica Green. <i>H. Mitchelliana</i> Desh. in Fer.,	205 169	tenuistriata Binn. <i>H. vortex</i> Gould, nec Pfr.
204 153	perspectiva Say. [nec Lea. <i>Helicella perspectiva</i> Fer. <i>H. patula</i> Desh.]	205 170	Texasiana Mor. <i>H. auriculata</i> Binn. <i>fatigiata</i> Fer. var. H. triodonta Jan? (<i>H. Texasiana</i> Fer.)
204 154	profunda Say. <i>Helicella Richardi</i> Fer. <i>H. Richardi</i> Lam. <i>Polygyra profundum</i> Ad. Gen. var. unicolor . var. <i>albina</i> .	205 171	tholus W. G. Binn.
204 155	pulchella Müll. <i>H. minuta</i> Say. var. costata , <i>H. costata</i> Müll.	205 172	thyroides Say. <i>H. thyroidus</i> Say. <i>Helicodonta thyroidus</i> Fer. <i>H. thyroides</i> Chemn. <i>Anchiostoma thyroides</i> Ad.,
204 156	pustula (<i>Helicodonta</i>) Fer. <i>H. pustula</i> Pfr. <i>fatigiata</i> Binn. <i>leporina</i> W. G. Binn.	205 173	tridentata Say. <i>Helicodonta tridentata</i> Fer. <i>Triodopsis lunula</i> Raf.
204 157	pustuloides Bld. <i>H. pustula</i> Binn., non Fer.	205 174	Troostiana (<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	Roëmeri Pfr. <i>H. dentifera</i> Pfr.	205 175	uvulifera Shutt. <i>H. florulifera</i> Rve. <i>auriculata minor</i> Fer.?
204 159	Rugeli Shutt.	205 176	varians 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>Hemirochus hamastomus</i> Sowb. var. β . <i>H. apicina</i> Menke.
205 160	Sayii Binn. <i>H. diodonta</i> Say.	206 177	ventrosula Pfr. var. depressa .
205 161	sculptilis Bld.	206 178	volvoxis Pfr. <i>Polygyra septemvolva</i> Beck?
205 162	solitaria Say. var. minor .	206 179	vortex Pfr. <i>H. selenium</i> Gould.
205 163	spinosa (<i>Carocolla</i>) Lea. <i>H. spinosa</i> Binn. (excl. <i>H.</i> <i>Edgariana</i> .) [Mörch.]	206 180	vultuosa Gould.
205 164	Steenstrupii (<i>Helicella</i>) <i>Helicella</i> (n. s.) Steens.		SPECIES EXCLUSA. 206 <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	Bulimus serperastrus Say.
206	<i>harpa</i> Say = Bulimus .	206 195	subula Pfr.
206	<i>dealbata</i> Say = Bul. dealbatus .		<i>B. procerus</i> Adams.
206	<i>depicta</i> Grat.		<i>octonoides</i> Orb.
206	<i>domestica</i> Ström. = Vitrina ange-		<i>hortensis</i> Ad. ?
	licæ. [Beck ?]		<i>Achatina subula</i> Pfr.
206	<i>hieroglyphica</i> (<i>Euryomphala</i>)	206 196	zebra (<i>Buccinum</i>) Müll.
206	<i>irrorata</i> Say = H. lactea .		<i>Zebra Mülleri</i> Mart. et Chemn.
206	<i>nemorialis</i> Linn. ?		<i>Bulla zebra</i> Gmelin.
206	<i>pellucida</i> Fabr. = Vitrina ange-		<i>B. undatus</i> Brug.
	licæ.		<i>Cochlostyla undata</i> Fer. [Fer.
206	<i>Pisana</i> Müll. ?		<i>Achatina flammeigera</i> Say, nec
206	<i>subcylindrica</i> Pult. = Trunca-		<i>zebra</i> Pfr.
	tella.		<i>Agatina fuscata</i> Raf.
206	<i>Trumbulli</i> Lins. = Skenia ser-		<i>Orthaliscus undatus</i> Shutt.
	puloides Mont.		var. γ . B. princeps Brod.
206	<i>virgata</i> Mont. ?		<i>Cochlostyla princeps</i> Orb.
			<i>Orthaliscus princeps</i> Shutt.
206 181	Bulimus acicula (<i>Buccinum</i>)		
206 182	alternatus Say. [Müll.]		SPECIES EXCLUSÆ.
	<i>B. lactarius</i> Pfr.	207	Bulimus exiguus Binn. = Cary-
	<i>dealbatus</i> Binn.		chium.
206 183	Binneyanus Pfr. in litt.	207	<i>fasciatus</i> Binn. = Achatina.
	<i>B. dealbatus</i> Binn.	207	<i>Gossei</i> Pfr. vide Macrocera-
	<i>Schiedeanus</i> Gould.		mus pontificus.
206 184	dealbatus (<i>Helix</i>) Say.	207	<i>Kieweri</i> Pfr. vide Macrocera-
	<i>B. dealbatus</i> Pot. et Mich.		mus pontificus.
	<i>confinis</i> Rve.	207	<i>lubricus</i> Adams = Achatina.
	<i>liquabilis</i> Rve.	207	<i>obscurus</i> Dr. vide Pupa placida
206 185	decollatus (<i>Helix</i>) Linn.		Say.
	<i>B. mutilatus</i> Say.	207	<i>striatus</i> Brug. = Glandina
206 186	Dormani W. G. Binn.		truncata.
206 187	Floridianus Pfr.	207	<i>vevillum</i> Brug. = Achatina fas-
206 188	gracillimus Pfr.	207	ciata.
	<i>Achatina gracillima</i> Pfr.	207	<i>zebra</i> Orb. = Ach. fasciata.
	<i>B. striaticostatus</i> Orb.		
206 189	harpa (<i>Helix</i>) Say.	207 197	Macroceramus pontificus (<i>Cy-</i>
	<i>B. harpa</i> Pfr.		<i>lindrella</i>) Gould.
	<i>Pupa costulata</i> Migh.	207 198	<i>Pupa unicolorinota</i> Binn. [Müll.]
206 190	marginatus (<i>Cyclostoma</i>) Say.		Achatina fasciata (<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	multilineatus 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	octona Ch.		junior <i>A. murrhea</i> Rve.
206 193	Schiedeanus Pfr.		var. β . A. pallida Swain.
	var. β . fauce nigra.		<i>Cochlitoma vexillum</i> (var.) Fer.
	var. γ . apice nigra.		var. γ . A. crenata 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	Pupa armifera (<i>Carychium</i> ?) <i>P. armifera</i> Gould. [Say. <i>armifera</i> Pot. et Mich. <i>rupicola</i> Pfr.
207 199	Achatina lubrica (<i>Helix</i>) Müll. <i>A. lubrica</i> Pfr. <i>Bulimus lubricus</i> Adams. <i>lubricoides</i> Stimps.	208 208	badia Adams. <i>P. muscorum</i> Linn.
207 200	picta Rve. <i>Bulimus fasciatus</i> (var.) Binn.	208 209	contracta (<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	corticaria Say. <i>Odostomia corticaria</i> Say. <i>Carychium corticaria</i> Fer.
207	<i>Achatina bullata</i> Pfr. = Glandina	208 211	decora Gould. <i>Vertigo decora</i> Ad. Gen.
207	<i>flammigera</i> Say = Bulimus ze-	208 212	Hoppii Müll. <i>P. Steenbuchii</i> Beck.
207	bra.	208 213	incana Binn. <i>P. detrita</i> Shutt. <i>maritima</i> γ Pfr., Gould.
207	<i>gracillima</i> Pfr. = Bulimus gra-		var. fasciata .
207	cillimus.	208 214	modica Gould.
207	<i>pellucida</i> Pfr. = Blauneria.	208 215	pentodon (<i>Vertigo</i>) Say. <i>P. pentodon</i> Gould. <i>Tappaniana</i> Adams. <i>curvidens</i> Gould.
207	<i>rosea</i> Desh. = Gland. truncata.		placida Say. <i>Bulimus marginatus</i> Say. <i>obscurus</i> Müll.
207	<i>striata</i> De Kay = Gl. truncata?	208 217	rupicola (<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>subula</i> Pfr. = Bulimus.		<i>P. gibbosa</i> Chemn.? <i>minuta</i> Pfr.
207	<i>Texasiana</i> Pfr. = Glandina.	208 218	variolosa Gould.
207	<i>truncata</i> Pfr. = Glandina.		SPECIES EXCLUSÆ.
207	<i>verillum</i> De Kay, vide A. vir-	208	Pupa albilabris Ad. = Bul. mar-
207	ginea.		ginatus.
207	<i>Vanuxemensis</i> Pfr. = Glandina.	208	<i>costulata</i> Migh. = Bul. harpa.
207	<i>virginica</i> Linn. (<i>A. verillum</i> De	208	<i>exigua</i> Say = Carychium.
	Kay, nec Brug.)	208	<i>fallax</i> Say = Bul. marginatus.
207 201	Glandina bullata Gould. <i>Achatina bullata</i> Pfr.	208	<i>Gouldii</i> Binn. = Vertigo.
207 202	<i>Oleacina bullata</i> Gr. et Pfr.	208	<i>millium</i> Gould = Vertigo.
207 203	corneola W. G. Binn. <i>G. truncata</i> (var.?) Binn.	208	<i>modesta</i> Say = Vertigo ovata.
207 204	parallela W. G. Binn. <i>G. truncata</i> (var.) Binn.	208	<i>ovata</i> Gould = Vertigo.
207 205	Texasiana (<i>Achatina</i>) Pfr. truncata (<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	<i>ovulum</i> Pfr. = Vertigo ovata.
208 206	Vanuxemensis Lea. <i>Achatina Vanuxemensis</i> Pfr. <i>Oleacina Vanuxemensis</i> Gr. et Pfr.	208	<i>Parricana</i> Orb. = Bul. margi- natus.

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1858. Pa. No.	Name.	1858. Pa. No.	Name.
208 208	<i>Pupa simplex</i> Gould = Vertigo . <i>unicarinata</i> Binn. = Macroce- ramus pontificus.	209 223 209 224 209 225	Cylindrella Goldfussi Menke. <i>jejuna</i> Gould. Poeyana Orb. <i>C. lactaria</i> Binn.
205 219	Vertigo Gouldii Binn. <i>Pupa Gouldii</i> Binn.	209 226	Rœmeri Pfr.
209 220	milium Gould. <i>Pupa milium</i> Gould.		SPECIES EXCLUSA.
209 221	ovata Say. <i>Pupa ovata</i> Gould. <i>modesta</i> Say. <i>oculum</i> Pfr.	209	<i>Cylindrella pontifica</i> Gould = Ma- croceramus.
209 222	simplex Gould. <i>Pupa simplex</i> Gould.		Familia Auriculacea.
	SPECIES EXCLUSA.		Sub-familia Melampea.
209	Vertigo contracta Ad. Gen. = Pupa.	209 227	Melampus bidentatus Say. <i>M. biplicatus</i> Pfr. <i>corneus</i> Stimp. <i>Jaumei</i> Pfr. <i>Auricula biplicata</i> Desh. <i>cornea</i> Desh. <i>bidentata</i> Gould. non <i>Auricula bidens</i> (Say) Pot. et Mich.
209	decora Ad. Gen. = Pupa.		<i>Auricula Jaumei</i> Mittré. var. <i>lineatus</i> Say. <i>Melampus bidentatus</i> ♂ Pfr. <i>Auricula bidentata</i> (var. a) De
209	minuta Ad. Gen., vide Pupa ru-		cingulatus Pfr. [Kay.
209	pentodon Say = Pupa. [<i>picola.</i>		<i>Auricula cingulata</i> Pfr. <i>oliva</i> Orb. <i>stenostoma</i> Küst.
209	rupicola Binn. = Pupa.		209 229 coffea (Voluta) Linn. <i>Bulla coffea</i> Linn. <i>Voluta minuta</i> Gmel. [tini? <i>Auricula midæ parva</i> &c. Mar- Ellobium <i>Barbadense</i> Boelten? <i>Bulinus conformis</i> Brug. <i>M. conformis</i> Montf. <i>fusca</i> Mörch. <i>coffea</i> Mörch. <i>Melampa minuta</i> Pfr. <i>Tornatelle coniforme</i> Blain. <i>Auricula conformis</i> Fer. <i>ovula</i> Orb. <i>Conovulus conformis</i> Lam. <i>M. coffeus</i> Beck. <i>coffea</i> Gray. <i>obliquus</i> Say?
	E HELICEIS EXCLUSA.		210 230 Floridianus (<i>Auricula</i>) Shutt. <i>M. Floridianus</i> Pfr.
209	Aplodon Raf.		210 231 obliquus Say. <i>Auricula obliqua</i> De Kay.
209	nodosus Raf.		20 232 pusillus (Voluta) Gmel. <i>Auricula midæ parva</i> &c. Mart. et Chemn.
209	Chimotrema Raf.		
209	planiuscula Raf.		
209	Hemiloma Raf.		
209	avara Raf.		
209	Mesodon Raf.		
209	maculatum Raf.		
209	Mesomphix Raf.		
209	Odomphium Raf.		
209	Odstomia Say = Pupa.		
209	corticaria Say = Pupa.		
209	Odotropis Raf.		
209	Omphalina Raf.		
209	cuprea Raf., vide Helix.		
209	fuliginosa.		
209	Partula Otahaitana Fer.		
209	Stenostoma Raf.		
209	Stenotrema Raf.		
209	convexa Raf.		
209	Toxostoma Raf.		
209	globularis Raf.		
209	Toxotrema Raf.		
209	globularis Raf.		
209	complanata Raf.		
209	Triodopsis Raf.		
209	Trophodon Raf.		
209	Xolotrema Raf.		
209	lunula Raf.		
209	triodopsis Raf.		

[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>Bulinus ovulus</i> Brug. <i>Melampa ovulum</i> Schw. <i>Conovula ovula</i> Fer. <i>Auricula nitens</i> Lam. <i>pusilla</i> Desh. <i>leucodonta</i> Nuttall. <i>Conovulus nitens</i> Voigt. <i>pusillus</i> Anton. <i>M. ovulum</i> Lowe. <i>nitens</i> Shuttl. <i>Pythia ovulum</i> Beck. <i>triplicata</i> Beck. <i>Tralia pusilla</i> Ad. Gen. <i>ovulum</i> Mörch.		<i>Achatina pellucida</i> Gould. <i>Tornatellina Cubensis</i> Pfr. <i>Odostomia? Cubensis</i> Poey. 210 235 Leuconia? Sayii (<i>Auricula</i>) <i>L.? Sayii</i> Pfr. [Küst. An <i>Alexia myosotis?</i>
		210 236	Carychium exiguum (Pupa?) <i>C. exiguum</i> Pfr. [Say. <i>exile</i> H. C. Lea. <i>existellum</i> Bourg? <i>euphæum</i> Bourg? <i>Bulinus exiguus</i> Binn. Pupa <i>exigua</i> Gould.
	SPECIES EXCLUSÆ.		SPECIES EXCLUSÆ.
210	Melampus borealis Conr. = Alexia myosotis.	211	<i>Carichium? armigera</i> Say = Pupa.
210	<i>denticulatus</i> Stimp. = Alexia myosotis.	211	<i>corticaria</i> Fer. = Pupa.
	Sub-familia Auriculea.	211	<i>contracta</i> Say = Pupa.
	SPECIES EXCLUSÆ.	211	<i>rupicola</i> Say = Pupa.
210	<i>Auricula bidentata</i> Gould = Melampus.		Familia Aciculacea.
210	<i>biplicata</i> Desh. = Melampus bidentatus.	211 237	Truncatella bilabiata Pfr.
210	<i>cingulata</i> Pfr. = Melampus.	211 238	Caribæensis Sowb. <i>T. variabilis</i> Pfr. <i>Gouldii</i> C. B. Ads. <i>Geurinii</i> Parr. <i>succinea</i> C. B. Ads.
210	<i>coniformis</i> Fer. = Mel. coffea.	211 239	pulchella Pfr.
210	<i>cornea</i> Desh. = Melampus bi-	211 240	subcylindrica Gray. <i>Helix subcylindrica</i> Pult. <i>T. truncatella</i> Lowe? <i>Caribæensis</i> Pfr.
210	denticulatus.		Familia Cyclostomacea.
210	<i>denticulata</i> Gould = Alexia my-		Sub familia Cistulea.
210	osotis.	211 241	Chondropoma dentatum (<i>Cy-</i>
210	<i>Floridianus</i> Shut. = Melampus.		<i>clostoma</i>) Say. <i>Cyclostoma dentatum</i> De Kay. <i>lineolatum</i> Anton. <i>Auberianum</i> Orb.? <i>lunulatum</i> Mörch. <i>crenulatum</i> Pfr.
210	<i>Jaumei</i> Mittr. = Melampus bi-		<i>Chondropoma crenulatum</i> Pfr. <i>dentatum</i> Pfr.
210	denticulatus.		CYCLOSTOMACEA EXCLUSÆ.
210	<i>nitens</i> Lam. = Mel. pusillus.		<i>Cyclostoma Auberianum</i> Orb., vide
210	<i>obliqua</i> De Kay = Melampus.	211	Chondropoma dentatum.
210	<i>oliva</i> Orb. = Mel. cingulatus.	211	<i>Cincinnatiensis</i> Lea = Amnicola.
210	<i>pusilla</i> Desh. = Melampus.	211	<i>crenulatum</i> Pfr. = Chondropo-
210	<i>Sayii</i> Küster = Leuconia.		ma dentatum.
210	<i>stenostoma</i> Küster = Melampus		
	cingulatus.		
210 233	Alexia myosotis (<i>Auricula</i>) <i>A. myosotis</i> Pfr. [Drap. <i>Auricula denticulata</i> Gould. <i>Melampus denticulatus</i> Stimp. <i>borealis</i> Conr.		
210 234	Blauneria pellucida Pfr. <i>Achatina? pellucida</i> Pfr.		

[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 = Chondropoma .	211 247	Helicina tropica Pfr.
211	<i>lapidaria</i> Say = Amnicola .		<i>H. ambeliana</i> Sowb., nec DeB.
211	<i>lineolatum</i> Anton = Chondropoma dentatum .		<i>orbiculata</i> Binn., nec Say.
211	<i>lunulatum</i> Mörch. = Chondropoma dentatum .	211	SPECIES EXCLUSÆ.
211	<i>marginalis</i> Kirt. = Bul. marginatus .	211	<i>Helicina fastigiata</i> DeKay = Helix fatigiata Say.
211	<i>marginata</i> Say = Bulimus .	211	<i>plicata</i> De Kay = Helix Hazardi Bland.
211	<i>tricarinata</i> Say = Valvata .	211	<i>Oligyra</i> Say = Helicina .
		211	<i>orbiculata</i> Say = Helicina .
	Familia Helicinacea.		—
211 242	Helicina chrysocheila Bunn.	41	Bulimus sufflatus Gould.
211 243	Hanleyana Pfr.		<i>B. vesicalis</i> Gould.
211 244	occulata Say.	48*	Truncatella gracilentia Gould.
211 245	orbiculata Say.	84*	Helix Berlanderiana Mor.
	<i>Oligyra orbiculata</i> Say.		<i>H. pachyloma</i> Mke.
	<i>H. vestita</i> (junior) Guild.		<i>virginalis</i> Pfr. ?
	<i>castanea</i> (junior) Guild.	86*	caduca Pfr.
211 246	subglobulosa Pocy.	201	<i>dissidens</i> Desh. = concava .
			—
			IN ERRATA.
1859.	Lea. —Descriptions of eight new species of Unionidæ from Georgia, Mississippi, and Texas: by ISAAC LEA.		
April.			
Page.	Name.		Locality.
112	Unio spissus Lea.		Satilla river, Georgia.
112	corvus Lea.		Buckhead creek, Georgia.
112	Buckensis Lea.		Buckhead creek, Georgia.
112	aureus Lea.		Texas.
112	curtus Lea.		Tombigbee river, Mississippi.
112	permiscens Lea.		Tombigbee river, Mississippi.
113	Margaritana elliptica Lea.		Tombigbee river, Mississippi.
113	Anodonta Texasensis Lea.		Texas.
May.	Lea. —Descriptions of twenty-one new species of Exotic Unionidæ: by ISAAC LEA.		
151			
153	Unio persulcatus Lea.		Mexico.
	Lea. —Descriptions of two new species of Uniones from Georgia: by ISAAC LEA.		
154	Unio fibuloides Lea.		Connasauga river, Georgia.
154	compactus Lea.		Etowah river, Georgia.
	Lea. —Descriptions of seven new species of Uniones from South Carolina, Florida, Alabama, and Texas: by ISAAC LEA.		
154	Unio cacao Lea.		Chacktahachie river, W. Fla.
154	hepaticus Lea.		Salkakatche river, S. C.
154	viridiradiatus Lea.		Big Uchee, Ala.; Columbus, Ga.
154	macrodon Lea.		Rutersville, Texas.

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1859. Page.	Name.	Locality.
155	Unio Houstonensis <i>Lea.</i>	Houston, Texas.
155	Rutersvillensis <i>Lea.</i>	Rutersville, Texas.
155	Forsheyi <i>Lea.</i>	Fayette County, Texas.
June.	Lea. —Descriptions of twelve new species of Uniones from Georgia: by ISAAC LEA.	
170	Unio Baldwinensis <i>Lea.</i>	Carter's creek, Georgia.
170	viridans <i>Lea.</i>	Columbus, Georgia.
170	Hallenbeckii <i>Lea.</i>	Columbus, Georgia.
170	salebrosus <i>Lea.</i>	Columbus, Georgia, &c.
171	modicellus <i>Lea.</i>	Connasauga and Chattanooga
171	latus <i>Lea.</i>	Savannah river. [rivers, Ga.
171	verutus <i>Lea.</i>	Columbus, Ga. [bama rivers.
171	Johannis <i>Lea.</i>	Connasauga, Etowah, and Ala-
171	Racensis <i>Lea.</i>	Columbus and Rae's cr., Ga.
171	inuitatis <i>Lea.</i>	Swift creek, Macon, Ga.
171	Jonesii <i>Lea.</i>	Uharlee creek, Ga.
172	quadratus <i>Lea.</i>	Carter's & Factory creeks, Ga.
July.	Observations on the Geographical Distribution and Anatomy of Unio and—	
177	Anodonta Lewisii.	
177	<i>unadilla</i> De Kay = <i>edentula</i> Say.	
177	<i>edentula.</i>	
188	W. G. Binney. —Notes on American Land Shells, No. 5: by W. G. BINNEY. ¹	
Pa. No.	Name.	Pa. No. Name.
188 1	Arion foliolatus non <i>foliatus.</i>	188 <i>Philomycus dele nebulosus.</i>
188 12	Helix Californiensis <i>Lea.</i>	188 adde <i>oxyrus</i> Raf.
188 13 ^a	cultellata Thomson.	188 <i>quadrilus</i> Raf.
188 33 ^a	strigosa Gould.	188 dele <i>Oxyrus.</i>
188 33 ^b	Townsendiana <i>Lea.</i>	188 <i>quadrilus.</i>
188 33 ^c	tudiculata Binn.	
188 33 ^d	Vancouverensis <i>Lea.</i>	188 58 adde <i>Vitrina Americana</i> Chemn.
	<i>H. concava</i> Binn.	188 68 <i>Succinea Texasiana</i> Pfr.
	<i>vellicata</i> Forbes.	188 69 obliqua Pfr.
188 41	Bulimus sufflatus Gould. in litt.	188 82 <i>Helix auriculata</i> De Kay.
	<i>B. vesicalis</i> Gould.	188 83 <i>Stenotrema avara</i> Hart.
188 48 ^a	(In addenda) is syn. of 48.	188 84 ^a Helix Berlanderiana Mor.
188 49 ^a	Tebennophorus bilineatus	<i>H. pachyloma</i> Mke.
188 55 ^a	Limax lineatus De Kay. [Cart.	<i>virginalis</i> Pfr.
	LIMAX.—SPECIES EXCLUSÆ.	188 86 bulbina Pfr.
188	<i>Limax gracilis</i> Grat.	188 86 ^a caduca Pfr.
188	<i>Eumelus lividus</i> Grat.	188 97 dentifera Pfr.
188	<i>nebulosus</i> Grat.	188 104 <i>Tennesseensis</i> Tros.
188	<i>Philomycus dele lividus.</i>	188 130 <i>Mobiliana</i> Tros.
		188 133 lævigata Desh.

¹ 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 or the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1859.		Name.	1859.		Name.
Pa.	No.		Pa.	No.	
188	139 ^a	Helix maxillata Gould.	188	229 ^a	Melampus flavus Gmel.
188	140 ^a	millium Morse.			<i>Auricula Midx, &c., Mart. & Voluta</i> Schr. [Chemn.]
188	141	<i>apex</i> Adams.			<i>flava</i> Gmel.
188	144	dele <i>Helix monodon</i> (var. γ) Pfr., legge <i>H. convexa</i> (var. γ) Pfr.			<i>flammea γ Gmel.</i>
188	158	<i>Helix dentifera</i> Pfr. in vol. iii, nec			<i>Bulinus monile</i> Brug.
188	170	<i>Tamaulipasensis</i> Lea. [vol. i.			<i>Melampa monile</i> Schw.
188	172	<i>thyroidus</i> Desh. in Fer.			<i>Conovulus monile</i> Goldf.
188	176	dele Helix varians Rve.			<i>flavus</i> Anton.
188	187 ^a	Bulinus Gossei Pfr.			<i>Auricula monile</i> Fer.
188	192 ^a	patriarcha W. G. Binn.			<i>flava</i> Desh. in Lam.
188	195	<i>hortensis</i> Adams!			<i>coniformis</i> Orb.
188	213	<i>Pupa maritima</i> Gould (nec γ).			Melampus monile Lowe.
188	214 ^a	pellucida Pfr.			<i>torosa</i> Mörch.
188	217	<i>rupicola</i> Chemn.			<i>monilis</i> Shutt.
188	218	<i>Vertigo variolosa</i> Ad. Gen.	189	232 ^a	Redfieldi Pfr.
		E HELICEIS EXCLUSA.	189	245	<i>Helix vestita</i> Pfr.
188		<i>Triodopsis lunula</i> Raf.			
Oct.		Isaac Lea. —Note on—			
280		<i>Margaritana Etowahensis</i> Lea, preoc. = M. Georgiana Lea.			
Nov.		Isaac Lea. —Notes on Anatomy of Unionidæ.			
329					
Dec.		Carpenter. —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		Oniscia tuberculata.	332		Oliva porphyria.
332		Cassio coarctata.	332		Columbella hæmastoma.
332		abbreviata.	332		Conus princeps.
332		Lathirus castaneus.	332		Haliotis splendens.

Rafinesque.—Descriptions of 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	Opiptera Raf. (n. g.)	152	Oxynoë olivacea Raf.
152	<i>bicolor</i> Raf.	152	<i>Tylodina</i> Raf. (n. g.)
152	Oxynoë Raf. (n. g.)	153	<i>punctulata</i> Raf.

[The remainder are Annelides and Polyps.—W. G. B.]

The same translated into German. Isis, 1820, p. 244.

Rafinesque.—Précis des Découvertes Somnologiques 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	Octopus frayedus Raf.	29	Loligo todurus Raf.
28	didynamus Raf.	29	Ozorna Aldrovandi Raf.
28	heteropus Raf.	29	Dictyethis fusca Raf.
28	ruber Raf.	29	Hypterus Raf. (n. g.)
28	tetradynamus Raf.	29	appendiculatus Raf.
28	moschatus Raf.	29	erythrogaster Raf.
29	albus Raf.	29	Stephylla Raf. (n. g.)
29	niger Raf.	30	pallida Raf.
29	maculatus Raf.	30	lutescens Raf.
29	Ozoena moschata Raf.	30	fusca Raf.
	<i>Octopus moschatus</i> Lam.	30	Armina Raf. (n. g.)
29	Ocythoe Raf. (n. g.)	30	maculata Raf.
29	tuberculata Raf.	30	tigrina Raf.
29	Sepia mucronata Raf.	30	Sarcopterus Raf. (n. g.)
29	Loligo lanceolata Raf.	30	ruber Raf.
29	odagadium 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	Siliqua Florida Conr.	Emgmt Key, Tampa Bay.
	<i>Solecortus fragilis</i> (var.) Conr.	
208	Lyonsia Florida Conr.	
	<i>Osteodesma hyalina</i> Conr.?	
208	Cryptomya Conr. (n. g.)	
208	<i>Sphaenia Californica</i> Conr. = Cryptomya Californica.	
208	Donax protracta Conr. (p. 280, pl. xxxix, fig. 8).	St. Joseph's Bay, Fla.
209	Venus intapurpurea Conr. (p. 280, pl. xxxix, fig. 9).	Emgmt Key, Tampa Bay.
209	Pecten fuscopurpureus 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	Petricola Californica <i>Conr.</i> <i>Saxicava Californica</i> <i>Conr.</i> <i>P. arcuata</i> Desh.	213 Siliqua lucida <i>Conr.</i> <i>Solecortus lucidus</i> <i>Conr.</i> <i>radiatus</i> Gould, non Linn.
213	carditoides <i>Conr.</i> <i>Saxicava carditoides</i> <i>Conr.</i> <i>P. cylindracea</i> Desh.	213 Trigonella <i>Conr.</i> (n. g.) 213 crassatelloides <i>Conr.</i>
213	Siliqua Nuttallii <i>Conr.</i> <i>Solecortus Nuttallii</i> <i>Conr.</i> <i>maximus</i> Gould, non Wood. <i>Solen splendens</i> Chenu.	214 Sanguinolaria Nuttallii <i>Conr.</i> <i>Psammobia decora</i> Hinds. 214 Margaritaria <i>Conr.</i> (n. g., 214 Parapholas <i>Conr.</i> (n. g.) [fos.] 214 Californica <i>Conr.</i> 214 Janelli <i>Desh.</i>

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	Unio securiformis <i>Conr.</i>	Flint river, Ga.
275	xxxvii	2	stagnalis <i>Conr.</i>	Ogeechee riv., Ga.
275	xxxvii	3, 4	Ogeecheensis <i>Conr.</i>	Ogeechee riv., Ga.
275	xxxvii	5	rosaceus <i>Conr.</i>	Savannah river.
276	xxxvii	6	oratus <i>Conr.</i>	Flint river, Ga.
276	xxxvii	7	contrarius <i>Conr.</i>	Ogeechee riv., Ga.
276	xxxvii	8	nucleopsis <i>Conr.</i>	Etowah river, Ga.
276	xxxvii	9	limatulus <i>Conr.</i>	Savannah river.
276	xxxviii	2	perplicatus <i>Conr.</i> <i>U. atrocostatus</i> Lea.	Jackson, La.
277	xxxviii	4, 8	nodiferus <i>Conr.</i>	Jackson, La.
277	xxxviii	7	plectophorus <i>Conr.</i> <i>U. aratus.</i>	Flint river, Ga.
277	xxxviii	11	Mississippiensis <i>Conr.</i>	Lower Mississippi.
277	xxxviii	1	Melania subilirata <i>Conr.</i>	Savannah river.
278	xxxviii	3	cœlatura <i>Conr.</i>	Savannah river.
278	xxxviii	5	symmetrica <i>Conr.</i>	Savannah river.
278	xxxviii	6	perangulata <i>Conr.</i>	Savannah river.
278	xxxviii	9	nebulosa <i>Conr.</i>	Savannah river.
278	xxxviii	10	percarinata <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	Unio Aberti <i>Conr.</i> <i>U. Lamarckianus</i> Lea.	Chambers' ford, Verdigris river, Ark.
296	xxvi	5	hebetatus <i>Conr.</i>	Missouri.
296			rivularis <i>Conr.</i> (Uniomerus), <i>U. declivis</i> <i>Conr.</i> , non Say.	
296	xxvi	7	porrectus <i>Conr.</i> <i>U. parallelus</i> <i>Conr.</i> (preoc.)	Jackson, Miss.
297	xxvi	8	arquatus <i>Conr.</i>	Wabash river.
297	xxvii	1	subcroceus <i>Conr.</i>	Trib. of Canadian riv., Ark.
297	xxvii	2, 3	nobilis <i>Conr.</i>	Bayou Teche.
297	xxvii	4	pectitus <i>Conr.</i>	Wabash river.
298	xxvii	5	altus <i>Conr.</i>	Tennessee?
298	xxvii	6	velatus <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	Parapholas Californica <i>Conr.</i> <i>Pholas Californica</i> <i>Conr.</i> <i>Janelli</i> <i>Desh.</i>	335	Penitella tubijera <i>Val.</i>
		335	xylophaga <i>Val.</i>
		335	melanura. <i>Pholas melanura</i> <i>Sowb.</i> <i>Penitella Wilsoni</i> <i>Conr.</i> [not <i>Parapholas bisulcata.</i>]
335	Penitella Conradi <i>Val.</i> <i>Pholas penita</i> <i>Conr.</i> <i>concammerata</i> <i>Desh.</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	Haliotis ponderosa <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>trivolis</i> Say.	Lake Michigan.
153	<i>Lymneus umbrosus</i> Say.	Lake Winnipeg, &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. prælongus</i> Barnes.	

Page.	Name.	Locality.
155	Unio siliquoides Barnes.	Upper Missouri river.
155	inflatus Barnes.	Upper Missouri river.
155	complanatus Lea. <i>U. purpureus</i> Say.	Lake Vaseux.
155	crassus Say.	Upper Missouri river.
155	radiatus Barnes.	Lake Vaseux.
155	occidens Lea. <i>U. ventricosus</i> Say.	Wisconsin river, &c.
156	ventricosus Barnes.	Upper Missouri river.
156	alatus Say. <i>Symphynota alata</i> Lea.	Upper Missouri river.
156	gracilis Barnes. <i>Symphynota gracilis</i> Lea.	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	Teredo dilatata St.	27	Petricola pholadiformis.
26	Pholas crispata.	27	Sanguinolaria fusca.
26	costata?	27	sordida.
26	Solen ensis.	27	Tellina tenera.
26	Machæra costata.	27	tenta.
26	Solemya velum.	27	Lucina radula.
26	borealis.	27	flexuosa.
26	Glycimeris siliqua.	27	Cyclas partumeia.
26	Mya arenaria.	27	——?
26	truncata.	27	Astarte castanea.
26	Corbula contracta?	27	sulcata.
26	Pandora trilineata.	27	quadrans.
26	Osteodesma hyalina.	27	Cyprina Islandica.
26	Anatina papyracea.	27	Cytherea convexa.
26	Cochlodasma Leana.	27	Venus mercenaria.
26	Thracia Conradi.	27	gemma.
26	Couthouyi St.	27	Cardium pinnulatum.
26	truncata.	27	Islandicum.
27	Mactra solidissima.	28	Grœnlandicum.
27	ovalis.	28	Cardita borealis.
27	Mesodesma arctata.	28	Nucula thraciæformis.
27	Kellia rubra.	28	limatula.
27	Saxicava distorta.	28	minuta.

Page.		Page.	
28	<i>Nucula myalis.</i>	29	<i>Helix pulchella.</i>
28	<i>sapotilla.</i>	29	<i>striatella.</i>
28	<i>proxima.</i>	29	——— ?
28	<i>tenuis.</i>	29	<i>Bulimus lubricus.</i>
28	<i>Unio complanatus.</i>	29	<i>Succinea campestris.</i>
28	<i>Anodon fluviatilis.</i>	30	<i>Auricula bidentata.</i>
28	<i>Mytilus edulis.</i>	30	<i>Planorbis lentus.</i>
28	var. <i>pellucidus.</i>	30	<i>bicarinatus.</i>
28	<i>Modiola modiolus.</i>	30	<i>armigerus.</i>
28	<i>plicatula.</i>	30	<i>hirsutus.</i>
28	<i>discrepans.</i>	30	<i>Physa heterostropha.</i>
28	<i>nexa.</i>	30	<i>ancillaria.</i>
28	<i>discors.</i>	30	<i>elongata.</i>
28	<i>glandula.</i>	30	<i>Limnæa columella.</i>
28	<i>Ostrea</i> ——.	30	<i>macrostoma.</i>
28	<i>Anomia ephippium.</i>	30	<i>umbilicata.</i>
28	<i>Terebratula caputserpentis.</i>	30	<i>elodes.</i>
28	<i>Chiton marmoreus.</i>	30	<i>Ancylus fuscus.</i>
28	<i>fulminatus.</i>	30	<i>Valvata pupoidea.</i>
28	<i>ruber.</i>	30	<i>Paludina decisa.</i>
28	<i>albus.</i>	30	<i>Natica heros.</i>
28	<i>Emersonianus.</i>	30	<i>triseriata.</i>
28	<i>Lottia testudinalis.</i>	30	<i>immaculata.</i>
29	<i>alveus.</i>	30	<i>canaliculata.</i>
29	<i>Dentalium dentale.</i>	30	<i>duplicata.</i>
29	<i>Cemoria Noachina.</i>	30	<i>pusilla.</i>
29	<i>Crepidula fornicata.</i>	30	<i>clausa.</i>
29	<i>plana.</i>	30	<i>Velutina lævigata.</i>
29	<i>convexa.</i>	30	<i>zonata.</i>
29	<i>glauca.</i>	30	<i>Sigaretus haliotoideus.</i>
29	<i>Bulla insculpta.</i>	30	<i>Scalaria Grœnlandica.</i>
29	<i>triticea.</i>	31	<i>Margarita cinerea.</i>
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	<i>Littorina rudis.</i>
29	<i>obstricta.</i>	31	<i>tenebrosa.</i>
29	<i>Helix albolabris.</i>	31	<i>palliata.</i>
29	<i>alternata.</i>	31	<i>Lacuna neritoidea.</i>
29	<i>arborea.</i>	31	<i>vincta.</i>
29	<i>indentata.</i>	31	var. <i>fusca.</i>
29	<i>lineata.</i>	31	<i>Cingula minuta.</i>
29	<i>labyrinthica.</i>	31	<i>aculeus.</i>
29	<i>minuscula.</i>	31	<i>Turritella erosa.</i>

Page.	Page.
31 <i>Turritella acicula.</i>	32 <i>Purpura lapillus.</i>
31 <i>Pyramis striatula.</i>	32 <i>Trichotropis borealis.</i>
31 <i>Odostomia exigua.</i>	32 <i>Buccinum plicosum.</i>
31 <i>Pleurotoma decussata.</i>	32 <i>undatum.</i>
32 <i>Cancellaria Couthouyi.</i>	32 <i>obsoletum.</i>
32 <i>Fusus Islandicus.</i>	32 <i>trivittatum.</i>
32 <i>decemcostatus.</i>	32 <i>rosaceum.</i>
32 <i>Bamffius.</i>	32 <i>lunatum.</i>
32 <i>rufus.</i>	32 <i>Xylophaga cuneiformis.</i>
32 <i>harpularius.</i>	32 <i>Helix hortensis.</i>
32 <i>pygmæus.</i>	32 <i>Turritella interrupta.</i>
32 <i>Rostellaria occidentalis.</i>	

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	<i>Ostrea</i> ———.	San Diego.
22	<i>Pecten latiauratus</i> Conrad.	San Diego.
22	<i>Pecten</i> ———.	San Diego.
22	<i>Mytilus edulis.</i>	San Francisco.
22	<i>Modiola capax</i> Conrad.	San Diego.
22	<i>Venus Nuttallii</i> Conrad.	San Pedro.
22	<i>fluctifraga</i> Sowerby.	San Diego.
22	<i>Tapes grata</i> Say.	San Pedro.
	<i>T. discors</i> Sowerby.	
	<i>straminea</i> Conrad.	
22	<i>gracilis</i> Gould.	San Pedro.
22	<i>Cyclas</i> ———.	Colorado Desert.
22	<i>Cardium cruentatum</i> Gould.	San Diego.
22	<i>Lucina orbella</i> Gould.	San Pedro.
22	<i>Nuttallii</i> Conrad.	San Pedro.
22	<i>Mesodesma rubrotincta</i> ? Sowerby.	San Pedro.

Page.	Name.	Locality.
22	<i>Tellina vicina</i> Adams.	San Diego.
22	<i>secta</i> Conrad.	San Pedro.
22	<i>Sphenia Californica</i> Conrad.	San Diego.
22	<i>Petricola cylindracea</i> Desh. <i>P. carditoides</i> Conrad.	Monterey, San Pedro.
22	<i>Solecurtus Californiensis</i> Conrad.	San Diego.
22	<i>Gnathodon Lecontei</i> Conrad.	Colorado Desert.
22	<i>Lottia scabra</i> Gould.	San Francisco.
22	<i>patina</i> Esch.	San Pedro.
22	<i>mitra</i> Brod.	San Pedro.
22	<i>Calyptrea hispida</i> Brod.	San Pedro, San Diego.
22	<i>Crepidula incurva</i> Brod.	San Pedro.
22	<i>Bulla nebulosa</i> Gould.	San Diego.
22	(<i>Haminea</i>) <i>virescens</i> Sowerby.	San Diego.
22	<i>vesicula</i> Gould.	San Diego.
22	(<i>Tornatina</i>) <i>inculta</i> Gould.	San Diego.
22	<i>Trochus mæstus</i> Jonas.	San Diego.
22	<i>Phasianella compta</i> Gould.	San Diego.
22	<i>Littorina</i> ——.	
22	<i>Melampus</i> ——.	San Diego.
22	<i>Oliva biplicata</i> .	San Pedro.
22	<i>Potamis pullatus</i> Gould.	San Diego.
22	<i>Amnicola protea</i> Gould.	Colorado Desert.
22	<i>longinqua</i> Gould.	Colorado Desert.
22	<i>Planorbis ammon</i> Gould.	Color. Des., Ocoya cr.
22	<i>Physa humerosa</i> Gould.	Colorado Desert.
22	<i>Succinea</i> ——.	Ocoya creek.

Descriptions are given of the following:—

23	<i>Physa humerosa</i> Gould.	Color. Des., Pecos riv.
23	<i>Planorbis ammon</i> Gould.	Colorado Desert.
24	<i>Amnicola protea</i> Gould.	Colorado Desert.
24	<i>longinqua</i> Gould.	Colorado Desert.
25	<i>Potamis pullatus</i> Gould.	San Diego.
25	<i>Phasianella compta</i> Gould.	San Diego.
26	<i>Bulla</i> (<i>Tornatina</i>) <i>inculta</i> Gould.	San Diego.
25	(<i>Haminea</i>) <i>vesicula</i> Gould.	San Diego.
26	<i>Cardium cruentatum</i> Gould.	San Pedro.
27	<i>Tapes gracilis</i> Gould.	San Pedro.
27	<i>Mytilus edulis</i> ?	San Francisco.
28	<i>Ostrea</i> ——.	San Diego.
28	——.	San Diego.
28	<i>Pecten</i> ——.	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	Ostrea ———.	San Diego.
330	Pecten monotimeris Conrad.	San Diego.
330	ventricosus Sowerby.	San Diego.
	<i>P. tumidus</i> Sowerby.	
330	Mytilus edulis.	San Francisco.
330	Modiola capax Conrad.	San Diego.
330	Venus Nuttallii Conrad.	San Pedro.
330	<i>fluctifraga</i> Sowerby.	San Diego.
330	Tapes grata Say.	San Pedro.
	<i>T. discors</i> Sowerby.	
	<i>straminea</i> Conrad.	
330	gracilis Gould.	San Pedro.
330	Cyclas ———?	Colorado Desert.
330	Cardium cruentatum Gould.	San Diego.
330	Lucina orbella Gould.	San Pedro.
330	Nuttallii Conrad.	San Pedro.
330	Mesodesma rubrotincta? Sowerby.	San Pedro.
330	Tellina vicina Adams.	San Diego.
330	secta Conrad.	San Pedro.
330	Sphænia Californica Conrad.	San Diego.
330	Petricola carditoides Conrad.	Monterey, San Pedro.
	<i>P. cylindracea</i> Desh.	
330	Solecurtus Californiensis Conrad.	San Diego.
330	Gnathodon Lecontei Conrad.	Colorado Desert.
	<i>G. trigonum</i> Petit.	
330	Lottia scabra Gould.	San Francisco.
330	patina Esch.	San Pedro.
330	Scurria pallida Gr.	San Pedro.
	<i>Lottia mitra</i> Br.	

Page.	Name.	Locality.
330	<i>Calyptra 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 mæstus</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 buplicata</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 Diegoensis</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.

Isaac Lea.

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	Helix minuscula 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	Pupa Nebraskana 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	Bulinus lubricus Müll.	Fort Berthold.
725	Succinea venusta 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	Mya truncata Penn.	107	Tellina sordida Couth.
107	Thracia Conradi 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>Oxinœ glabra</i> Couth.
107	<i>Nucula thraciæformis</i> Stor.	107	<i>Scalaria Nov-Angliæ</i> Couth. subulata Couth.
107	<i>lævigata</i> Gould, MS.	107	<i>Natica immaculata</i> Totten.
107	<i>myalis</i> Couth.	107	<i>consolidata</i> Couth.
107	<i>tenuisulcata</i> Couth.	107	<i>Actæon trifidus</i> Totten.
107	<i>Modiola pectinula</i> Gld., MS.	107	<i>convoluta</i> Gould, MS.
107	<i>discors</i> Linn.	107	<i>Jaminia exigua</i> Couth.
107	<i>discrepans</i> Montagu.	107	<i>Lacuna neritoidea</i> Gld. MS.
107	<i>Terebratula septentriona-</i> <i>lis</i> Couth.	107	<i>Turbo incarnatus</i> Couth.
107	<i>thalassina</i> Gould, MS.	107	<i>cinereus</i> Couth.
107	<i>Chiton fulminatus</i> Couth.	107	<i>obscurus</i> Couth.
107	<i>sagrinatus</i> Couth.	107	<i>aculeus</i> Gould, MS.
107	<i>Emersonii</i> Couth.	107	<i>Turritella erosa</i> Couth.
107	<i>pectinatus</i> Gould, MS.	107	<i>Pyramis striatula</i> Couth.
107	<i>Patella candida</i> Couth.	107	<i>Cancellaria buccinoides</i> Couth.
107	<i>Rimula Noachina</i> Linn.	107	<i>Trichotropis costellatus</i> Couth.
107	<i>Galericulum ovatum</i> Brown.	107	<i>Pleurotoma bicarinata</i> Cou.
107	<i>lævigatum</i> Brown.	107	<i>Fusus pleurotomarius</i> Cou.
107	<i>Bulla insculpta</i> Totten.	107	<i>harpularius</i> Couth.
107	<i>triticea</i> Couth.	107	<i>Murex turriculus</i> Montagu.
107	<i>linæolata</i> Couth.	107	<i>scalariformis</i> Gould, MS.
107	<i>Bullina canaliculata</i> Say.		
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	<i>tridentata.</i>	155	<i>Argonauta argo.</i>
141	<i>terebratula.</i>	155	<i>Ascidia rustica.</i>

Page.		Page.	
159	<i>Buccinum stromboides.</i>	217	<i>Mya purpurea.</i>
159	<i>Bulla ampulla.</i>	218	<i>ovata.</i>
160	<i>fontinalis.</i>	218	<i>cariosa.</i>
166	<i>Cardium edule.</i>	218	<i>ochracea.</i>
169	<i>Chama gigas.</i>	218	<i>nasuta.</i>
169	<i>antiquata.</i>	219	<i>alata.</i>
169	<i>Chiton tuberculatus.</i>	219	<i>cylindrica.</i>
170	<i>Clio pyramidata.</i>	219	<i>undulata.</i>
173	<i>Conus ammiralis.</i>	219	<i>plicata.</i>
176	<i>Cypræa arabica.</i>	219	<i>undata.</i>
176	<i>argus.</i>	219	<i>elliptica.</i>
177	<i>tigris.</i>	220	<i>carinata.</i>
178	<i>Dentalium elephantinum.</i>	220	<i>prælonga.</i>
179	<i>Donax trunculus.</i>	220	<i>gibbosa.</i>
179	<i>Doris argo.</i>	220	<i>cuneata.</i>
193	<i>Haliotis tuberculata.</i>	220	<i>radiata.</i>
193	<i>Helix albilabris.</i>	221	<i>mucronata.</i>
193	<i>thyroidus.</i>	221	<i>inflata.</i>
193	<i>arboreus.</i>	221	<i>ventricosa.</i>
193	<i>tridentata.</i>	221	<i>siliquoidea.</i>
194	<i>alternata.</i>	221	<i>plana.</i>
194	<i>glaphyra.</i>	221	<i>triangularis.</i>
194	<i>trivolvus.</i>	222	<i>gracilis.</i>
194	<i>bicarinatus.</i>	222	<i>parva.</i>
195	<i>parvus.</i>	222	<i>arcuata.</i>
195	<i>catascopus.</i>	222	<i>rugosa.</i>
195	<i>heterostrophus.</i>	222	<i>complanata.</i>
195	<i>subcarinatus.</i>	223	<i>Mytilus margaritiferus.</i>
195	<i>virginica.</i>	224	<i>cataractus.</i>
196	<i>vivipara.</i>	224	<i>marginatus.</i>
196	<i>decisa.</i>	224	<i>Nautilus pompilius.</i>
206	<i>Limax ater.</i>	225	<i>Nerita glaucina.</i>
206	<i>maximus.</i>	227	<i>Onchidium typhæ.</i>
206	<i>agrestis.</i>	228	<i>Ostræa maxima.</i>
208	<i>Mactra solida.</i>	229	<i>Jacobæa.</i>
208	<i>lutraria.</i>	229	<i>edulis.</i>
213	<i>Murex tribulus.</i>	229	<i>plicatula.</i>
213	<i>erinaceous.</i>	232	<i>Patella fornicata.</i>
216	<i>Mya margaritifera.</i>	232	<i>fissura.</i>
216	<i>cornuta.</i>	240	<i>Pholas dactylus.</i>
216	<i>verrucosa.</i>	241	<i>Pinna muricata.</i>
216	<i>nodosa.</i>	252	<i>Sepia officinalis.</i>
217	<i>tuberculata.</i>	252	<i>loligo.</i>
217	<i>rugosa.</i>	256	<i>Solen vagina.</i>
217	<i>crassa.</i>	258	<i>Spondylus quæderopus.</i>

Page.		Page.
262	Strombus gigas.	267 Teredo navalis.
266	Tellina fragilis.	272 Trochus magus.
266	<i>radiata.</i>	273 Turbo corticaria.
266	<i>similis. (Amer.)</i>	275 Venus mercenaria. (N. Y.)
266	<i>dubia. (Amer.)</i>	278 Voluta pallida.

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 ^a , 2 ^b	Arion foliolatus <i>Gould.</i>	Puget Sound.
3	1-1 ^c	Limax Columbianus <i>Gould.</i>	Puget Sound, &c.
28	29-29 ^b	Succinea rusticana <i>Gould.</i>	Oregon.
36	37	Helix Vancouverensis <i>Lea.</i>	Oregon.
36	41-41 ^b	<i>strigosa</i> <i>Gould.</i>	Puget Sound, &c.
37	42-42 ^c	<i>sportella</i> <i>Gould.</i>	Puget Sound, &c.
66	38	<i>Nuttalliana</i> <i>Lea.</i>	Puget Sound, &c.
66	36	<i>Townsendiana</i> <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 ^c	<i>labiosa</i> <i>Gould.</i>	Oregon, &c.
68	39-39 ^c	<i>loricata</i> <i>Gould.</i>	Sacramento river.
69	74-74 ^b	<i>devia</i> <i>Gould.</i>	Puget Sound.
70	40-40 ^c	<i>germana</i> <i>Gould.</i>	Oregon.
112	131-131 ^c	Planorbis vermicularis <i>Gould.</i>	Interior of Oregon.
113	132-132 ^c	<i>opercularis</i> <i>Gould.</i>	Sacramento river.
113	130-130 ^b	<i>corpulentus</i> <i>Say.</i>	Columbia river.
114		<i>trivolvus</i> <i>Say.</i>	
120	138, 138 ^a	Physa virginea <i>Gould.</i>	Sacramento river.
121	141, 141 ^a	Limnea lepida <i>Gould.</i>	Lake Vancouver.
122		<i>apicina</i> <i>Lea.</i>	Oregon.
122		<i>umbrosa</i> <i>Say.</i>	Columbia and Sacramento rivers.
141	164, 164 ^a	Melania silicula <i>Gould.</i>	Nisqually.
142	163, 163 ^a	<i>bulbosa</i> <i>Gould.</i>	Columbia river.
143	165	<i>plicifera</i> <i>Lea.</i>	Lake George, Oreg.
144	166, 166 ^a	Cerithium (Potamis) sacratum	Sacramento river.
149	175-175 ^c	<i>filosum</i> <i>Gould.</i> [Gould.	Puget Sound.
185	207-207 ^b	Trochus ligatus <i>Gould.</i>	Puget Sound.
194	230-230 ^b	Lacuna carinata <i>Gould.</i>	Puget Sound.
197	237, 237 ^a	Littorina patula <i>Gould.</i>	San Francisco.

Page.	Fig.	Name.	Locality.
199	238-238 ^c	<i>Littorina lepida</i> Gould.	Puget Sound.
200	241, 241 ^a	<i>scutulata</i> Gould.	Puget Sound.
201	236-236 ^b	<i>plena</i> Gould.	San Francisco.
206		<i>Scalaria australis</i> Lam.	Puget Sound.
211	253, 253 ^a	<i>Natica Lewisii</i> Gould.	Puget Sound.
212	254, 254 ^a	<i>caurina</i> Gould.	Straits of de Fuca.
214	256, 256 ^a	<i>algida</i> Gould.	Classet, Oregon.
219	275	<i>Trichotropis cancellata</i> Hinds.	Straits of de Fuca.
233	284-284 ^b	<i>Fusus fidicula</i> Gould.	Puget Sound.
234	285-285 ^b	<i>orpheus</i> Gould.	Puget Sound.
241		<i>Triton Oregonense</i> Jay. <i>Fusus Oregonense</i> Rve. <i>cancellatus</i> Rve.	Puget Sound.
244	310, 310 ^a	<i>Purpura ostrina</i> Gould.	Killimook, Oregon.
254	321, 321 ^a	<i>Buccinum fossatum</i> Gould.	Puget Sound, &c.
263	331, 331 ^a	<i>Nassa mendica</i> Gould.	Puget Sound, &c.
264	332, 332 ^a	<i>rubricata</i> Gould.	Pacific coast.
267	337-337 ^b	<i>Columbella gausapata</i> Gould.	Puget Sound.
309		<i>Chioræa</i> Gould. (n. g.)	
310	404-404 ^b	<i>leonina</i> Gould.	Puget Sound.
311		<i>Dendronotus</i> ———.	Puget Sound.
311		<i>Goniodoris</i> ———.	Puget Sound.
311		<i>Doris</i> ———.	Puget Sound.
311		<i>Eolis</i> ———.	Puget Sound.
313	436	<i>Chiton muscosus</i> Gould.	Puget Sound.
321	433-433 ^b	<i>dentiens</i> Gould.	Puget Sound.
322	423-423 ^b	<i>interstinctus</i> Gould.	Puget Sound.
323	426-426 ^b	<i>vespertinus</i> Gould.	Puget Sound.
344	445-445 ^b	<i>Patella fimbriata</i> Gould.	Straits of de Fuca.
346	454, 454 ^a	<i>instabilis</i> Gould.	Puget Sound.
346	458, 458 ^a	<i>conica</i> Gould.	Puget Sound.
348	456-456 ^b	(<i>Lottia</i> ?) <i>scabra</i> Gould.	San Francisco.
349	457-457 ^b	<i>textilis</i> Gould.	Straits of de Fuca.
351	455-455 ^c	<i>Lottia pintadina</i> Gould. <i>Acmæa patina</i> Esch. ? <i>scutum</i> Esch. ?	Straits of de Fuca, &c.
367	471-471 ^b	<i>Fissurella cratitia</i> Gould.	Puget Sound.
368	475-475 ^c	<i>Rimula cucullata</i> Gould.	Puget Sound.
369	476-476 ^c	<i>galeata</i> Gould.	Puget Sound.
375	482-482 ^b	<i>Crepidula rostriformis</i> Gould.	Straits of de Fuca.
376	481-481 ^c	<i>lingulata</i> Gould.	Puget Sound.
377	480-480 ^b	<i>nummaria</i> Gould.	Classet.
379	484-484 ^b	<i>Calyptrea fastiglata</i> Gould.	Puget Sound.
384	498-498 ^b	<i>Mya præcisæ</i> Gould.	Puget Sound.
385	507-507 ^b	<i>Panopæa generosa</i> Gould.	Puget Sound.

Page.	Fig.	Name.	Locality.
387	501-501 ^b	Solen sicarius <i>Gould.</i>	Straits of de Fuca.
393	506-506 ^b	Mactra falcata <i>Gould.</i>	Puget Sound.
395	508-508 ^b	Lutraria maxima <i>Midd.</i> <i>L. capax</i> <i>Gould.</i>	Puget Sound.
397	509-509 ^b	Osteodesma bracteatum.	Puget Sound.
399		Saxidomus Nuttalli <i>Conr.</i>	Straits of de Fuca.
417	532, 532 ^a	Cardita ventricosa <i>Gould.</i>	Puget Sound.
418	534, 534 ^a	Cardium blandum <i>Gould.</i>	Puget Sound.
420	538-538 ^b	Venus rigida <i>Gould.</i>	Puget Sound, &c.
426	527-527 ^b	Cyclas patella <i>Gould.</i>	Oregon.
432	544-544 ^b	Unio famelicus <i>Gould.</i>	Wallawalla.
433	545-545 ^b	Alasmodonta falcata <i>Gould.</i>	Wallawalla, &c.
435	546-546 ^b	Anodonta cognata <i>Gould.</i>	Nisqually, &c.
436		angulata <i>Lea.</i>	Sacramento river.
436	547-547 ^b	feminalis <i>Gould.</i>	Wallawalla, &c.
450	567, 567 ^a	Mytilus trossulus <i>Gould.</i>	Puget Sound.
453	561, 561 ^a	(Modiola) flabellatus <i>Gould.</i>	Puget Sound.
457	570, 570 ^a	Pecten hericius <i>Gould.</i>	Straits of de Fuca.
458	569-569 ^b	caurinus <i>Gould.</i>	Port Townsend.
467	581-581 ^e	Terebratula pulvinata <i>Gould.</i>	Puget Sound.
468	582-582 ^e	caurina <i>Gould.</i>	Puget Sound.

ADDENDA AND CORRIGENDA.

Page.		Page.	
501*	Helix loricata <i>Gould.</i> <i>H. Lecontei</i> <i>Lea.</i>	503*	Natica Lewisii <i>Gould.</i> <i>N. herculea</i> <i>Midd.</i>
501*	devia <i>Gould.</i> <i>H. Baskervillei</i> <i>Pfr.</i>	508*	Lutraria capax <i>Gould.</i> <i>L. maxima</i> (preoc.)
503*	Trochus ligatus <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	Pandora punctata <i>Conr.</i>	Sta. Barbara.
228	xvii	2	Cardium substriatum <i>Conr.</i>	St. Diego.
229	xvii	3	Nuttalli <i>Conr.</i>	Estuary of Columbia r.
229	xvii	4	Californianum <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>Solecortus 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>Solecortus subteres</i> <i>Conr.</i>	Sta. Barbara.
233	xviii	3	<i>Californianus</i> <i>Conr.</i>	Sta. Barbara.
234	xvii	11	<i>Sphænia 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>bellastriata</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. [tere].
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>Lymonsia inflata</i> <i>Conr.</i>	Guayaquil.

Page.	Plate.	Fig.	Name.	Locality.
248	xix	21	Lyonsia Californica <i>Conr.</i>	Sta. Barbara.
249			Saxidomus <i>Conr.</i> (n. g.)	
249	xix	14	Nuttalli <i>Conr.</i>	St. Diego, California.
250	xix	16	Venus Nuttalli <i>Conr.</i>	St. Diego, Sta. Barb'a.
250	xix	15	staminea <i>Conr.</i>	St. Diego, Sta. Barb'a.
251	xix	14	Californiana <i>Sowb.</i>	St. Diego.
251	xix	19	lamellifera <i>Conr.</i>	California.
251			Mortoni <i>Conr.</i>	Charleston, S. C.
252			Cytherea callosa <i>Conr.</i>	Sta. Barbara.
253	xix	18	prora <i>Conr.</i>	New Holland.
253	xix	22	hieroglyphica <i>Conr.</i>	Sandwich Islands.
253			Trigonella <i>Conr.</i> (n. s. g., no descr.)	
253	xix	17	Cytherea crassatelloides <i>Conr.</i>	St. Diego, Sta. Barb'a.
254	xix	21	Donax Californica <i>Conr.</i>	Sta. Barbara.
254	xix	11	Lucina bella <i>Conr.</i>	St. Diego.
255	xx	1	Californica <i>Conr.</i>	St. Diego.
255	xx	2	Nuttalli <i>Conr.</i>	St. Diego.
255	xx	8	Saxicava carditoides <i>Conr.</i>	Sta. Barbara.
256	xx	9	Californica <i>Conr.</i>	Sta. Barb'a, St. Diego.
256			Chama iostoma <i>Conr.</i>	Atooi.
256			exogyra <i>Conr.</i>	Sta. Barb'a, St. Diego.
257	xx	10	Vulsella Nuttalli <i>Conr.</i>	Friendly Islands.
257			Tellina secta <i>Conr.</i>	St. Diego.
258			alta <i>Conr.</i>	Sta. Barbara.
258			nasuta <i>Conr.</i>	St. Diego.
259			dispar <i>Conr.</i>	Sandwich Islands.
259			obliquilineata <i>Conr.</i>	Sandwich Islands.
259	xx	3	lintea <i>Conr.</i>	Mobile Point, Ala.
260			Hinnita Nuttalli <i>Conr.</i>	Fayal.
263	xx	26	Scalaria turbinata <i>Conr.</i>	Beaufort, N. C.
263			Cerostoma <i>Conr.</i> (n. s. g.)	
264	xx	22	Nuttalli <i>Conr.</i>	Sta. Barbara.
264	xx	17	Monoceros engonata <i>Conr.</i>	Sta. Barbara.
264			brevidens <i>Conr.</i>	Sta. Barbara.
265	xx	18	lapilloides <i>Conr.</i>	Sta. Barbara.
265	xx	19	Purpura Nuttalli <i>Conr.</i>	Fayal.
265	xx	21	Floridana <i>Conr.</i>	Florida and Alabama.
266	xx	25	harpa <i>Conr.</i>	Sta. Barbara.
266	xx	23	bulbiformis <i>Conr.</i>	Sandwich Islands.
267	xx	20	dumosa <i>Conr.</i>	
267			macrostoma <i>Conr.</i>	Sta. Barbara.
268	xx	24	foliacea <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.
Isaac Lea.					
Nov. Dec.	1838	[For locality, see Trans. American Philosophical Society.—W. G. B.]			
i	66	Melania Cincinnatiensis <i>Lea.</i>	i	289	Anodonta Footiana <i>Lea.</i>
Mar. Apr.	1840		i	289	Melania catenaria <i>Lea.</i> Boykiniana <i>Lea.</i>
i	187	Patella amena Say= Patelloida testudinalis.	i	289	Carocolla Cumberlandiana <i>Lea.</i>
Oct.	1840		i	289	Cyclostoma Cincinnatiensis <i>Lea.</i>
i	285	Unio Cincinnatiensis pilaris <i>Lea.</i> [<i>Lea.</i>	Feb. 1841		
i	285	Geddingsianus <i>Lea.</i>	ii	11	Melania Hildrethiana castanea <i>Lea.</i> [<i>Lea.</i>
i	286	tuberosus <i>Lea.</i>	ii	11	lævigata <i>Lea.</i>
i	286	cuneolus <i>Lea.</i>	ii	11	Kirtlandiana <i>Lea.</i>
i	286	Lesueurianus <i>Lea.</i>	ii	11	Taitiana <i>Lea.</i>
i	286	Stonensis <i>Lea.</i>	ii	11	dubia <i>Lea.</i>
i	286	lens <i>Lea.</i>	ii	12	ebenum <i>Lea.</i>
i	286	plenus <i>Lea.</i>	ii	12	rufa <i>Lea.</i>
i	286	tener <i>Lea.</i>	ii	12	fusiformis <i>Lea.</i>
i	286	pusillus <i>Lea.</i>	ii	12	clavæformis <i>Lea.</i>
i	286	amœnus <i>Lea.</i>	ii	12	gracilis <i>Lea.</i>
i	286	incrassatus <i>Lea.</i>	ii	12	subsolida <i>Lea.</i>
i	286	Boydianus <i>Lea.</i>	ii	12	Ocoeeensis <i>Lea.</i>
i	287	Sloatianus <i>Lea.</i>	ii	12	subcylindracea <i>Lea.</i>
i	287	paulus <i>Lea.</i>	ii	12	sordida <i>Lea.</i>
i	287	strigosus <i>Lea.</i>	ii	12	regularis <i>Lea.</i>
i	287	lineatus <i>Lea.</i>	ii	12	fuliginosa <i>Lea.</i>
i	287	exiguus <i>Lea.</i>	ii	12	Nickliniana <i>Lea.</i>
i	287	tortivus <i>Lea.</i>	ii	12	viridis <i>Lea.</i>
i	287	subangulatus <i>Lea.</i>	ii	12	occidentalis <i>Lea.</i>
i	287	striatus <i>Lea.</i>	ii	12	Niagaraensis <i>Lea.</i>
i	287	fatuus <i>Lea.</i>	ii	12	globula <i>Lea.</i>
i	287	dactylus <i>Lea.</i>	ii	13	altilis <i>Lea.</i>
i	287	obtusus <i>Lea.</i>	ii	13	strigosa <i>Lea.</i>
i	288	Boykinianus <i>Lea.</i>	ii	13	virgata <i>Lea.</i>
i	288	Edgarianus <i>Lea.</i>	ii	13	tenebrosa <i>Lea.</i>
i	288	biangularis <i>Lea.</i>	ii	13	teres <i>Lea.</i>
i	288	nitens <i>Lea.</i>	ii	13	obtusa <i>Lea.</i>
i	288	Holstonensis <i>Lea.</i>	ii	13	Lecontiana <i>Lea.</i>
i	288	dolabelloides <i>Lea.</i>	ii	13	corrugata <i>Lea.</i>
i	288	Tennesseeensis <i>Lea.</i>	ii	13	monozonalis <i>Lea.</i>
i	288	atro-marginatus <i>Lea.</i>	ii	13	terebralis <i>Lea.</i>
i	288	Bournianus <i>Lea.</i>	ii	13	columella <i>Lea.</i>
i	288	Margaritana Curreyiana <i>Lea.</i>	ii	13	blanda <i>Lea.</i>
i	289	Anodonta Harpethiana <i>Lea.</i> [<i>Lea.</i>	ii	13	crebri-costata <i>Lea.</i>
i	289	argentea <i>Lea.</i>	ii	13	Curreyana <i>Lea.</i>
i	289	ferruginea <i>Lea.</i>	ii	14	Edgariana <i>Lea.</i>
i	289	Cowperiana <i>Lea.</i>	ii	14	decora <i>Lea.</i>
i	289	Maryattiana <i>Lea.</i>	ii	14	costulata <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>Wardiana</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>Amnicola 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>crocutus</i> Lea.	ii	82	<i>regularis</i> Lea.
ii	31	<i>callosus</i> Lea.	ii	82	<i>mcestus</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> Lea.	ii	82	<i>Melania turgida</i> Lea.
ii	31	<i>Carocolla Edgariana</i> Lea.	ii	82	<i>glabra</i> Lea.
ii	31	<i>Succinea Wardiana</i> Lea.	ii	82	<i>perfusca</i> Lea.
ii	32	<i>Totteniana</i> Lea.	ii	82	<i>picta</i> Lea.
ii	32	<i>Nuttalliana</i> Lea.	ii	83	<i>imprensa</i> Lea.
ii	32	<i>aurea</i> Lea.	ii	83	<i>robusta</i> Lea.
ii	32	<i>Oregonensis</i> Lea.	ii	83	<i>Jayana</i> Lea.
ii	32	<i>inflata</i> Lea.	ii	83	<i>Anculosa rubiginosa</i>
ii	32	<i>Planorbis regularis</i> Lea.	ii	83	<i>bella</i> Lea. [Lea.
ii	32	<i>Buchanensis</i> Lea.	ii	83	<i>Griffithiana</i> Lea.
ii	32	<i>bellus</i> Lea.	ii	83	<i>tuberculata</i> Lea.
ii	32	<i>Physa Hildrethiana</i>	ii	83	<i>Valvata bicarinata</i> Lea.
ii	32	<i>inflata</i> Lea. [Lea.	ii	83	<i>Paludina angulata</i> Lea.
ii	32	<i>Troostensis</i> Lea.	ii	83	<i>Coosaensis</i> Lea.
ii	32	<i>Lymnea Philadelphica</i> Lea.	ii	83	<i>cyclostomataformis</i> Lea.
ii	33	<i>Griffithiana</i> Lea.	Jan.- Apr.	1842	
ii	33	<i>Nuttalliana</i> Lea.	ii	150	<i>Melania altalis</i> Lea.
ii	33	<i>bulimoides</i> Lea.	Aug.- Oct.	1842	
ii	33	<i>exigua</i> Lea.	ii	224	<i>Unio Foremanianus</i>
ii	33	<i>planulata</i> Lea.	ii	224	<i>Haleianus</i> Lea. [Lea.
ii	33	<i>fusiformis</i> Lea.	ii	225	<i>Dariensis</i> Lea.

[Proceedings of the Amer. Phil. Society of Philad.—*continued.*]

Vol.	Pa.	Name.	Vol.	Pa.	Name.
	ii 225	<i>Anodonta Dunlapiana</i> <i>Lea.</i>	iv	163	<i>Unio unicolor</i> <i>Lea.</i>
Nov.	1842		iv	163	<i>flavescens</i> <i>Lea.</i>
Dec.			iv	164	<i>pallescens</i> <i>Lea.</i>
	ii 234	Notes on turbinated and discoid shells, as <i>Turbo duplicatus.</i>	iv	164	<i>utriculus</i> <i>Lea.</i>
			iv	164	<i>spatulatus</i> <i>Lea.</i>
			iv	164	<i>tumescens</i> <i>Lea.</i>
			iv	164	<i>caperatus</i> <i>Lea.</i>
Dec	1842		iv	164	<i>fulgidus</i> <i>Lea.</i>
	ii 237	<i>Melania rufa</i> <i>Lea</i> = <i>rufescens.</i>	iv	164	<i>pulvinulus</i> <i>Lea.</i>
			iv	164	<i>hyalinus</i> <i>Lea.</i>
	ii 237	<i>striata</i> <i>Lea</i> = <i>striatula.</i>	iv	164	<i>Estabrookianus</i> <i>Lea.</i>
	ii 237	<i>laevigata</i> <i>Lea</i> = <i>laevis.</i>	iv	164	<i>approximus</i> <i>Lea.</i>
	ii 237	<i>corrugata</i> <i>Lea</i> = <i>rugosa.</i>	iv	164	<i>symmetricus</i> <i>Lea.</i>
	ii 237	<i>Unio compressus</i> <i>Lea</i> = <i>pressus.</i>	iv	164	<i>fuliginosus</i> <i>Lea.</i>
	ii 242	<i>Melania plicatula</i> <i>Lea</i> = <i>Deshaysiana.</i>	iv	165	<i>caliginosus</i> <i>Lea.</i>
	ii 242	<i>plicata</i> <i>Lea</i> = <i>Menkiana.</i>	iv	165	<i>Binneyi</i> <i>Lea.</i>
	ii 242	<i>exarata</i> <i>Lea</i> = <i>arata.</i>	iv	165	<i>Gouldii</i> <i>Lea.</i>
	ii 242	<i>Planorbis lens</i> <i>Lea</i> = <i>Brogniarti.</i>	iv	165	<i>Margaritana minor</i> <i>Lea.</i>
	ii 242	<i>Melania Vanuxemiana</i>	iv	165	<i>Anodonta tetragona</i> <i>Lea.</i>
	ii 242	<i>ovalis</i> <i>Lea.</i> [<i>Lea.</i>]	iv	165	<i>Melania Buddii</i> <i>Lea.</i>
	ii 242	<i>Haysiana</i> <i>Lea.</i>	iv	165	<i>torta</i> <i>Lea.</i>
	ii 242	<i>excisa</i> <i>Lea.</i>	iv	165	<i>pernodosa</i> <i>Lea.</i>
	ii 242	<i>Schizostoma</i> n. g. <i>Lea.</i>	iv	165	<i>filum</i> <i>Lea.</i>
	ii 242	<i>Melania Ordiana</i> <i>Lea.</i>	iv	165	<i>nobilis</i> <i>Lea.</i>
	ii 242	<i>brevis</i> <i>Lea.</i>	iv	165	<i>carino-costata</i> <i>Lea.</i>
	ii 242	<i>oliva</i> <i>Lea.</i>	iv	165	<i>abrupta</i> <i>Lea.</i>
	ii 242	<i>Foremani</i> <i>Lea.</i>	iv	166	<i>pallescens</i> <i>Lea.</i>
	ii 242	<i>torquata</i> <i>Lea.</i>	iv	166	<i>lugubris</i> <i>Lea.</i>
	ii 243	<i>producta</i> <i>Lea.</i>	iv	166	<i>spinalis</i> <i>Lea.</i>
	ii 243	<i>curvata</i> <i>Lea.</i>	iv	166	<i>spurca</i> <i>Lea.</i>
	ii 243	<i>expansa</i> <i>Lea.</i>	iv	166	<i>harpa</i> <i>Lea.</i>
	ii 243	<i>Anculosa incisa</i> <i>Lea.</i>	iv	166	<i>basalis</i> <i>Lea.</i>
	ii 243	<i>Foremani</i> <i>Lea.</i>	iv	166	<i>auriculæformis</i> <i>Lea.</i>
	ii 243	<i>solida</i> <i>Lea.</i>	iv	166	<i>pumila</i> <i>Lea.</i>
	ii 243	<i>flammata</i> <i>Lea.</i>	iv	166	<i>protea</i> <i>Lea.</i>
	ii 243	<i>Paludina incrassata</i> <i>Lea.</i>	iv	166	<i>arctata</i> <i>Lea.</i>
	ii 243	<i>coarctata</i> <i>Lea.</i>	iv	166	<i>solida</i> <i>Lea.</i>
May-Aug.	1845		iv	166	<i>crebristriata</i> <i>Lea.</i>
	iv 163	<i>Unio compressissimus</i>	iv	166	<i>modesta</i> <i>Lea.</i>
	iv 163	<i>pellucidus</i> <i>Lea.</i> [<i>Lea.</i>]	iv	167	<i>Haleiana</i> <i>Lea.</i>
	iv 163	<i>pernodosus</i> <i>Lea.</i>	iv	167	<i>Alexandrensis</i> <i>Lea.</i>
	iv 163	<i>atrocostatus</i> <i>Lea.</i>	iv	167	<i>ovoidea</i> <i>Lea.</i>
	iv 163	<i>latecostatus</i> <i>Lea.</i>	iv	167	<i>Anculosa squalida</i> <i>Lea.</i>
	iv 163	<i>hippopæus</i> <i>Lea.</i>	iv	167	<i>tintinnabulum</i> <i>Lea.</i>
	iv 163	<i>simplex</i> <i>Lea.</i>	iv	167	<i>Schizostoma pagoda</i> <i>Lea.</i>
			iv	167	<i>Buddii</i> <i>Lea.</i> [<i>Lea.</i>]
			iv	167	<i>Babylonicum</i> <i>Lea.</i>
			iv	167	<i>constrictum</i> <i>Lea.</i>
			iv	167	<i>laciniatum</i> <i>Lea.</i>
			iv	167	<i>funiculatum</i> <i>Lea.</i>
			iv	167	<i>Paludina Haleiana</i> <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	Agassiz. —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 2s occurs the following:—W. G. B.]

KINDS OF SHELL-FISH.

The luscious Lobster, with the Crab-fish raw,
The British 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 crammes.

[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	Unio alatus Say. <i>Mya alata</i> Wood.		<i>U. coarctata</i> Lam. <i>rarisulcata</i> Lam.
33	radiatus Lam. <i>U. Virginiana</i> Lam.		<i>sulcidens</i> Lam. <i>glabrata</i> Lam.
33	Novi-Eboraci Lea. <i>Mya radiata</i> Wood.	35	Unio cariosus Say.
33	iris Lea.	35	rectus Lam. <i>U. praelongus</i> Barnes.
33	rubiginosus Lea. <i>U. flavus</i> Conr.		<i>Mya praelonga</i> Wood.
33	gracilis Barnes. <i>U. planus</i> Barnes.	35	rosaceus De Kay.
	<i>fragilis</i> Swains.	36	[I omit the Ohio Shells.—W.G.B.]
33	luteolus Lam. <i>U. siliquoides</i> Barnes.	36	Margaritana rugosa Lea. <i>Alasmodon rugosa</i> De Kay.
	<i>inflatus</i> Barnes.	36	marginata Lea. <i>Alasm. marginata</i> De Kay.
34	pressus Lea. <i>U. compressus</i> De Kay.		<i>truncata</i> Say.
34	complanatus Lea. <i>U. purpureus</i> Say.	37	undulata Lea. <i>Alasm. undulata</i> De Kay.
	<i>Mya complanata</i> Sol. <i>rigida</i> Wood.	37	Anodonta gigantea Lea. <i>A. grandis</i> Raf.?
34	purpurascens Lam. <i>U. rhombula</i> Lam.	37	pavonia Lea.
	<i>Georgina</i> Lam. <i>carinifera</i> Lam.	37	Footiana Lea.
		37	Lewisii Lea. <i>A. fluviatilis</i> De Kay.
			<i>cataraeta</i> Say.
		37	fragilis Lam.

Page.	Page.
38	38
Anodonta Ferussaciana <i>Lea.</i> <i>subcylindrica</i> <i>Lea.</i> <i>edentula</i> <i>Lea.</i> <i>Unio arcolutus</i> <i>Sw.</i>	Anodonta undulata <i>Say.</i> <i>Unio Pennsylvanica</i> <i>Lam.</i> <i>cylindrica</i> <i>Lea?</i> Benedictensis <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	Helix albolabris <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 Gastropoda 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	206 (fig.) Planorbis deflectus <i>Say.</i>
197 (fig.)	207 (fig.) exacutus <i>Say.</i>
197 (fig.)	208 (fig.) parvus <i>Say.</i>
198 (fig.)	209 (fig.) dilatatus.
198 (fig.)	209 (fig.) Physa heterostropha
199 (fig.)	211 (fig.) ancillaria <i>Say.</i> [<i>Say.</i>
201 (fig.)	211 (fig.) elongata <i>Say.</i>
202 (fig.)	212 (fig.) Ancylus rivularis <i>Say.</i>
203 (fig.)	212 (fig.) fuscus <i>Adams.</i>
204 (fig.)	213 (fig.) Valvata tricarinata <i>S.</i>
204 (fig.)	214 (fig.) pupoidea <i>Gould.</i>
205 (fig.)	214 (fig.) Ammicola porata <i>Say.</i>
206 (fig.)	
Limnæa stagnalis <i>Linn.</i> columella <i>Say.</i> <i>var. chalybea.</i> macrostoma <i>Say.</i> desidiosa <i>Say.</i> elodes <i>Say.</i> catascopium <i>Say.</i> Planorbis trivolvis <i>S.</i> <i>lentus</i> <i>Say.</i> <i>bicarinatus</i> <i>Rackett.</i> <i>campanulatus</i> <i>Say.</i> <i>armigerus</i> <i>Say.</i> <i>hirsutus</i> <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	<i>Loligo illecebrosa.</i>	330	<i>Saxicava rugosa.</i>
329	<i>Fusus pyramidatus (rufus).</i>	330	<i>Machæra costata.</i>
329	<i>Buccinum undatum.</i>	330	<i>Solen ensis.</i>
329	<i>trivittatum.</i>	330	<i>Tellina calcarea.</i>
329	<i>Purpura lapillus.</i>		<i>T. proxima.</i>
330	<i>Natica heros.</i>	330	<i>Grœnlandica.</i>
330	<i>Grœnlandica.</i>	330	<i>tenera.</i>
330	<i>clausa.</i>	330	<i>Aphrodite Grœnlandica.</i>
330	<i>Turritella erosa.</i>	330	<i>Cardium Islandicum.</i>
330	<i>Lacuna vincta.</i>	330	<i>pinnulatum.</i>
330	<i>Littorina palliata.</i>	330	<i>Astarte sulcata.</i>
330	<i>rudis.</i>	330	<i>Cardita borealis.</i>
330	<i>Margarita undulata.</i>	330	<i>Mytilus edulis.</i>
330	<i>helicina.</i>	330	<i>Modiola modiolus.</i>
	<i>M. arctica.</i>	330	<i>decussata.</i>
330	<i>Lottia testudinalis.</i>		<i>M. glandula.</i>
330	<i>Acmaea cæca.</i>	330	<i>Leda limatula.</i>
330	<i>Chiton marmoreus.</i>	330	<i>Pecten Islandicus.</i>
330	<i>Mya arenaria.</i>	330	<i>Magellanicus.</i>
330	<i>truncata.</i>	330	<i>Anomia ehippium.</i>
330	<i>Glycimeris siliqua.</i>	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	<i>Buccinum undatum.</i>	158	<i>Lottia (Tectura) testudi-</i>
158	<i>Trophon (Fusus) sculari-</i> <i>forme.</i>	158	<i>Saxicava rugosa.</i> [nalis.
158	<i>Rostellaria occidentalis.</i>	158	<i>Mya arenaria.</i>
158	<i>Littorina rudis.</i>	158	<i>Solen ensis.</i>
158	<i>littorea.</i>	158	<i>Tellina Grœnlandica.</i>
	<i>L. palliata.</i>	158	<i>Mytilus edulis.</i>
158	<i>Margarita helecina.</i>	158	<i>Pecten Magellanicus.</i>
	<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	<i>Fusus scalariformis.</i>	211	<i>Rostellaria occidentalis.</i>
210	<i>Islandicus.</i>	211	<i>Rissoa minuta.</i>
210	<i>tornatus.</i>	211	<i>Lacuna vineta.</i>
210	<i>decemcostatus.</i>	211	<i>Littorina palliata.</i>
210	<i>rufus.</i>	211	<i>rudis.</i>
210	<i>Bamffius.</i>	211	<i>tenebrosa.</i>
210	<i>Pleurotoma bicarinata.</i>	211	<i>Margarita cinerea.</i>
210	<i>Buccinum undatum.</i>	211	<i>undulata.</i>
211	<i>Donovani.</i>	211	<i>helicina.</i>
211	<i>Nassa trivittata.</i>	212	<i>Skenea costulata.</i>
211	<i>obsoleta.</i>	212	<i>Diadora noachina.</i>
211	<i>Purpura lapillus.</i>	212	<i>Crepidula fornicata.</i>
211	<i>Trichotropis borealis.</i>	212	<i>plana.</i>
211	<i>Velutina haliotoides.</i>	212	<i>Acmaea (Lottia) testudina-</i>
	<i>V. lavigata.</i>	212	<i>cæca.</i> [lis.
211	<i>Lamellaria perspicua.</i>	212	<i>Chiton marmoreus.</i>
211	<i>Natica heros.</i>	212	<i>Planorbis trivolvis.</i>
211	<i>clausa.</i>	212	<i>campanulatus.</i>
211	<i>triseriata.</i>	212	<i>bicarinatus.</i>
211	<i>flava?</i>	212	<i>lentus.</i>
211	<i>helicoïdes.</i>	212	<i>parvus.</i>

- | Page. | | Page. | |
|-------|-----------------------------|-------|---------------------------------|
| 212 | Physa heterostropha. | 216 | Osteodesma hyalina. |
| 213 | <i>aurea.</i> | 216 | Machæra costata. |
| 213 | <i>ancillaria.</i> | 216 | Solen ensis. |
| 213 | <i>elongata.</i> | 216 | Tellina proxima. |
| 213 | Limnæa megasoma. | | <i>T. calcarca.</i> |
| 213 | <i>jugularis.</i> | 216 | Grœnlandica. |
| | <i>L. stagnalis.</i> | 216 | Maetra ovalis. |
| 213 | <i>caperata.</i> | | <i>M. ponderosa.</i> |
| 213 | <i>umbrosa.</i> | 216 | Mesodesma arctatum. |
| 213 | <i>elodes.</i> | 217 | Venus mercenaria. |
| 213 | <i>catascopium.</i> | 217 | <i>gemma.</i> |
| 213 | <i>opacina.</i> | 217 | Aphrodite Grœnlandica. |
| 213 | <i>acuta.</i> | 217 | Cardium Islandicum. |
| 213 | Ancylus rivularis. | 217 | Cardita borealis. |
| 213 | Paludina decisa. | 217 | Astarte sulcata. |
| 213 | Melania acuta. | 217 | Lucina flexuosa. |
| 213 | <i>Niagarensis.</i> | 217 | Lima subauriculata. |
| 213 | Amnicola porata. | 217 | Mytilus edulis. |
| 213 | Valvata tricarinata. | 218 | Modiola discors. |
| 213 | <i>sincera.</i> | | <i>M. discrepans.</i> |
| 214 | Helix alternata. | 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>neza.</i> |
| 214 | <i>tridentata.</i> | 218 | Leda limatula. |
| 214 | <i>concava.</i> | 218 | Nucula tenuis. |
| 214 | <i>hortensis.</i> | 218 | Pecten Magellanicus. |
| 215 | <i>arborea.</i> | 218 | <i>Islandicus.</i> |
| 215 | <i>striatella.</i> | 219 | Anomia ephippium. |
| 215 | <i>lineata.</i> | 219 | Terebratula psittacea. |
| 215 | <i>labyrinthica.</i> | | <i>Hypothyris.</i> |
| 215 | <i>pulchella.</i> | 219 | Ascidium ———. |
| 215 | <i>electrina.</i> | 219 | Unio radiatus. |
| 215 | <i>chersina.</i> | 219 | <i>complanatus.</i> |
| 215 | Bulimus lubricus. | 219 | <i>gibbosus.</i> |
| 215 | <i>harpa.</i> | 219 | <i>ventricosus.</i> |
| 215 | Vitrina pellucida. | 219 | <i>ellipsis.</i> |
| 215 | Succinea ovalis. | 219 | <i>rectus.</i> |
| 215 | <i>avara.</i> | 219 | <i>alatus.</i> |
| 215 | <i>obliqua.</i> | 220 | Margaritana rugosa. |
| 216 | Pholas crispata. | 220 | <i>marginata.</i> |
| 216 | Saxicava rugosa. | 220 | <i>arcuata.</i> |
| 216 | Mya arenaria. | | <i>M. margaritifera.</i> |
| 216 | <i>truncata.</i> | 220 | <i>undulata.</i> |
| 216 | Glycimeris siliqua. | 220 | Anodonta subcylindracea. |

Page.		Page.	
220	Anodonta pavonia.	220	Cyclas similis.
220	fluviatilis?	220	orbiculata.
		220	dubia.

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.
Vol. iii, 1830.					
Pa.	Pl. Fig.	V.	Pa.		
259		i	1	Lea. —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	<i>Unio calceolus</i> Lea.	Ohio.
266	iii 2	i	8	<i>lanceolatus</i> Lea.	Tar river, N. C.
267	iv 3	i	9	<i>donaciformis</i> Lea.	Ohio.
268	iv 4	i	10	<i>ellipsis</i> Lea.	Ohio.
269	v 5	i	11	<i>irroratus</i> Lea.	Ohio.
272	vi 8	i	14	<i>lachrymosus</i> Lea.	Ohio.

TRANS.		OBS.		Name.	Locality.
Vol. iii, 1830.					
Pa.	Pl. Fig.	V.	Pa.		
403		i	17	Lea. —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	Unio radiatus. ¹	<i>U. Virginiana</i> Lam.
416		i	30	complanatus Solander.	<i>U. purpurcus</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	ovatus Say.	
417		i	31	cariosus Say.	<i>U. luteola</i> Lam. <i>U. crassus</i> Say. <i>U. carinatus</i> Barnes. <i>U. ellipticus</i> Barnes.
417		i	31	nasutus Say.	<i>U. rostrata</i> Val.
417		i	31	cylindricus Say.	<i>U. naviformis</i> Lam.
417		i	31	subtentus Say.	
417		i	31	plicatus Lesueur.	<i>U. crassidens</i> Lam.? <i>U. Peruvianus</i> Lam. <i>U. rariplacatus</i> Lam. <i>U. undulatus</i> Barnes. <i>U. crassus</i> Barnes. <i>U. Dombeyana</i> Val.
418		i	32.	rectus Lam.	<i>U. prelongus</i> Barnes.

¹ 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	Unio torsus Raf.
418		i	32	mytiloides Raf.
				<i>U. undatus</i> Barnes.
418		i	32	metanever Raf.
				<i>U. nodosus</i> Barnes.
				<i>U. rugosus</i> Barnes.
418		i	32	scalenius Raf.
418		i	32	cornutus Barnes.
419		i	33	verrucosus Barnes.
				<i>U. tuberculosa</i> Val.
				<i>U. verrucosa</i> Val.
419		i	33	tuberculatus Barnes.
419		i	33	gibbosus Barnes.
				<i>U. mucronatus</i> Barnes.
419		i	33	cuneatus Barnes.
419		i	33	ventricosus Barnes.
419		i	33	siliquoides Barnes.
				<i>U. inflatus</i> Barnes.
419		i	33	triangularis Barnes.
420		i	34	parvus Barnes.
420		i	34	æsoopus Green.
420		i	34	calceolus Lea.
420		i	34	lanceolatus Lea.
420		i	34	donaciformis Lea.
420		i	34	ellipsis Lea.
420		i	34	irroratus Lea.
420		i	34	lachrymosus Lea.
420		i	34	ater Lea.
420		i	34	rubiginosus Lea.
420		i	34	heterodon Lea.
420		i	34	sulcatus Lea.
420		i	34	planulatus Lea.
420		i	34	circulus Lea.
420		i	34	multiradiatus Lea.
420		i	34	occidens Lea.
420		i	34	securis Lea.
421		i	35	iris Lea.
421		i	35	zig-zag Lea.
421		i	35	patulus 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.	V.	Pa.		
426	vii	9	i	40	Unio ater <i>Lea.</i>	Miss. r. bel. Natchez.
427	viii	10	i	41	rubiginosus <i>Lea.</i>	Ohio.
428	viii	11	i	42	heterodon <i>Lea.</i>	Sch. & Derby cr. Pa.
430	viii	12	i	44	sulcatus <i>Lea.</i>	Ohio.
431	ix	13	i	45	planulatus <i>Lea.</i>	Ohio.
433	ix	14	i	47	circulus <i>Lea.</i>	Cincinnati, Pittsb'g,
					<i>U. rotundata</i> Lam.?	[Natchez.
434	ix	15	i	48	multiradiatus <i>Lea.</i>	Ohio.
435	x	16	i	49	occidens <i>Lea.</i>	Ohio.
437	xi	17	i	51	securis <i>Lea.</i>	Ohio.
					<i>U. depressa</i> Raf. prec.	
439	xi	18	i	53	iris <i>Lea.</i>	Ohio.
440	xii	19	i	54	zig zag <i>Lea.</i>	Ohio.
441	xii	20	i	55	patulus <i>Lea.</i>	Ohio.
442			i	56	Symphynota <i>Lea.</i> (n. g.)	
444	xiii	23	i	58	lævissima <i>Lea.</i>	Ohio.
448			i	62	alata <i>Say.</i>	Western waters.
					<i>Unio alatus</i> <i>Say.</i>	
448			i	62	complanata <i>Barnes.</i>	Fox riv. Wisc., O.
					<i>Alasm. complanata</i> <i>Barn.</i>	
450	xii	22	i	64	compressa <i>Lea.</i>	O., Albany.
452			i	66	gracilis.	Ohio, Wisconsin.
					<i>U. gracilis</i> <i>Barnes.</i>	
					<i>U. fragilis</i> <i>Swains.</i>	
					<i>U. planus</i> <i>Barnes.</i>	
453	xi	21	i	67	tenuissima <i>Lea.</i>	Ohio.
455			i	69	ochracea.	Sch. and Del. rivers.
					<i>U. ochraceus</i> <i>Say.</i>	
Vol. iv, 1834.					Name.	Locality.
63			i	73	Lea. —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	Unio trapezoides <i>Lea.</i>	Lake St. Joseph, La.
70	iv	2	i	80	multiplicatus <i>Lea.</i>	Tenn. and Ohio rivs.
71	v	3	i	81	asperrimus <i>Lea.</i>	Ohio.
72	vi	4	i	82	Congaræus <i>Lea.</i>	Congaree river, S. C.
73	vi	5	i	83	oriens <i>Lea.</i>	Ohio river.
75	vi	6	i	85	brevidens <i>Lea.</i>	Ohio.
76	vii	7	i	86	pustulosus <i>Lea.</i>	Ohio and Alabama r.
77	vii	8	i	87	stapes <i>Lea.</i>	Alabama river.
79	vii	9	i	89	pustulatus <i>Lea.</i>	Ohio, Tennessee.
80	viii	10	i	90	lens <i>Lea.</i>	Ohio, Tennessee.
81	viii	11	i	91	anodontoides <i>Lea.</i>	Ala., O., Miss. rivs.

TRANS. Vol. iv, 1834.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
82	viii	12	i	92	Unio glans <i>Lea.</i>	Ohio river.
83	ix	13	i	93	elegans <i>Lea.</i>	Ohio river.
84	ix	14	i	94	ebenus <i>Lea.</i>	Ohio river.
85	ix	15	i	95	asper <i>Lea.</i>	Alabama river.
85	x	16	i	96	fabalis <i>Lea.</i>	Ohio river.
87	x	17	i	97	soleniformis <i>Lea.</i>	Ohio river.
89	x	18	i	99	acutissimus <i>Lea.</i>	Alabama river.
90	xi	20	i	100	varicosus <i>Lea.</i>	Ohio river.
91	xi	21	i	101	castaneus <i>Lea.</i>	Alabama river.
92	xii	23	i	102	decisus <i>Lea.</i>	Alabama river.
94	xii	24	i	104	cuprinus <i>Lea.</i>	Mexico.
96	xiii	26	i	106	obesus <i>Lea.</i>	York river, Va.
99	xiv	28	i	109	Symphynota inflata <i>Lea.</i>	Alabama river.
100	xv	30	i	110	Melania subularis <i>Lea.</i>	Niagara river.
101	xv	31	i	111	tuberculata <i>Lea.</i>	Tennessee river.
101	xv	32	i	111	acuta <i>Lea.</i>	Tennessee river.
102	xv	33	i	112	Helix Carolinensis <i>Lea.</i>	Cheraw, S. C.
103	xv	34	i	113	Carocolla helicoides <i>Lea.</i>	Nashville, Tenn.
					<i>H. palliata</i> (var. a.) <i>Say?</i>	
104	xv	35	i	114	spinosa <i>Lea.</i>	Claiborne, Ala.
104	xv	36	i	114	Valvata arenifera <i>Lea.</i>	Nashville, Tenn.
109	xvi	39	i	119	Unio pyramidatus <i>Lea.</i>	Ohio.
					<i>U. undatus</i> Barn. (var. a.)?	
110	xvi	40	i	120	trigonus <i>Lea.</i>	Ohio river.
111	xvi	41	i	121	formosus <i>Lea.</i>	Ohio river.
112	xvii	42	i	122	perplexus <i>Lea.</i>	Ohio river.
114	xvii	43	i	124	angustatus <i>Lea.</i>	Congaree and Cooper
116	xvii	44	i	126	arcæformis <i>Lea.</i>	Tenn. r. [rivs., S. C.]
117	xviii	45	i	127	subrotundus <i>Lea.</i>	Ohio.
118	xviii	46	i	128	subovatus <i>Lea.</i>	Ohio river.
119	xviii	47	i	129	pileus <i>Lea.</i>	Ohio river.
120	xv	29	i	130	Melania elongata <i>Lea.</i>	Western Tenn.
122			i	132	Lea. —Description of a new genus of the family Melaniana of Lamarck.	
122			i	132	Io <i>Lea</i> (n. g.)	
122	xv	37	i	132	fusiformis <i>Lea.</i>	Holston river.
					<i>Fusus fluviatilis</i> <i>Say.</i>	
Vol. v, 1837.						
23			i		Lea. —Observations, &c. continued. Date of title of vol. v., 1837.	
27			i	139	Valvata arenifera = Phrygania.	
29	ii	2	i	141	Unio capillaris <i>Lea.</i>	Ohio.

TRANS. V. L. V., 1837.			Obs.		Name.	Locality.
Pl.	Pl.	Fig.	V.	Pa.		
30	ii	3	i	142	Unio subglobosus <i>Lea.</i>	Bayou Teche, La.
31	ii	4	i	143	capseiformis <i>Lea.</i>	Cumberland river.
32	iii	5	i	144	Ravenelianus <i>Lea.</i>	French Br. r., N. C.
35	iii	7	i	147	Haysianus <i>Lea.</i>	Cumberland river.
36	iii	8	i	148	Hildrethianus <i>Lea.</i>	Marietta, O.
37	iii	9	i	149	Schoolcraftensis <i>Lea.</i>	Fox riv., Green Bay.
38	iv	10	i	150	geometricus <i>Lea.</i>	Bayou Teche, La.
39	iv	11	i	151	Taitianus <i>Lea.</i>	Alabama river.
41	iv	12	i	153	Symphynota globosa <i>Lea.</i>	Ohio river.
45	vi	15	i	157	Anodonta Ferussaciana	Ohio river.
45	vi	16	i	158	incerta <i>Lea.</i>	[<i>Lea.</i> Ohio river.
47	vi	17	i	159	Stewartiana <i>Lea.</i>	River Teche, La.
48	vii	18	i	160	plana <i>Lea.</i>	Bear Grass cr., Louis-
58	xix	71	i	170	Paludina bimonilifera <i>Lea.</i>	Alabama r. [ville.
61	viii	21	i	173	Unio Cooperianus <i>Lea.</i>	Alabama river.
63	ix	23	i	175	Conradicus <i>Lea.</i>	
68	x	28	i	180	Sowerbyanus <i>Lea.</i>	Tennessee. [Tenn.
70	x	29	i	182	dromas <i>Lea.</i>	Harp. and Cum. riv.,
71	x	30	i	183	Troostensis <i>Lea.</i>	Cumberland river.
72	xi	31	i	184	perdix <i>Lea.</i>	Harpeth river, Tenn.
73	xi	32	i	185	pictus <i>Lea.</i>	[<i>Lea.</i> Harpeth river, Tenn.
84	xix	78	i	196	Achatina Vanuxemensis	Mexico.
85			i	197	striata.	
					<i>Cochlicopea rosea</i> Fer.	
					<i>Polyphecnus glans</i> Say.	
85			i	198	Lea. —Observations on Lamarck's Collection of Naiades.	
					[Both foreign and American species.—W. G. B.]	
86			i	198	Unio crassissima <i>Klein.</i>	
					<i>U. sinuata.</i>	
87			i	199	<i>U. elongata</i> = Mya margaritifera.	
87			i	199	crassidens.	
					<i>U. cuneatus.</i>	
87			i	199	<i>U. crassidens</i> (var. a.) = trapezoides <i>Lea.</i>	
87			i	199	<i>U. Peruviana</i> = plicatus <i>Les.</i>	
87			i	199	purpurata <i>Lam.</i>	
					<i>U. ater</i> <i>Lea.</i>	
88			i	200	<i>U. ligamentina</i> = crassus <i>Say.</i>	
88			i	200	<i>U. obliqua</i> = undatus <i>Barnes.</i>	
88			i	200	<i>U. retusa</i> = torsus <i>Raf.</i>	
88			i	200	<i>U. rarisulcata</i> = complanatus.	
88			i	200	<i>U. coarctata</i> = complanatus.	

TRANS. Vol. v, 1837.		Obs.	
Pa.	Pl. Fig.	V. Pa.	Name.
88		i 200	<i>U. purpurascens</i> = <i>complanatus</i> .
88		i 200	Unio radiata.
88		i 200	<i>U. brevis</i> = <i>littoralis</i> .
88		i 200	<i>U. rhombula</i> = <i>complanatus</i> .
89		i 201	<i>U. carinifera</i> = <i>complanatus</i> .
89		i 201	<i>U. Georgina</i> = <i>complanatus</i> .
89		i 201	<i>U. clava</i> = <i>scalenia Raf. (modioliformis Say.)</i>
89		i 201	recta = <i>U. praelongus</i> Barnes.
89		i 201	<i>U. naviformis</i> = <i>cylindricus</i> .
89		i 201	<i>U. nasuta</i> = <i>gibbosus</i> .
89		i 201	<i>U. ovata</i> = <i>ovatus Say.</i>
89		i 201	<i>U. rotundatus</i> = <i>suborbiculata</i> .
89		i 201	<i>U. subglobosus</i> Lea = <i>globulus Say.</i>
89		i 201	littoralis = <i>U. semirugata</i> Lam.
90		i 202	<i>U. incurvus</i> Lea?
90		i 202	<i>U. semirugata</i> = <i>littoralis</i> .
90		i 202	<i>U. nana</i> = <i>littoralis</i> .
90		i 202	<i>U. delodonta</i> = <i>lacteolus?</i>
90		i 202	<i>U. sulcidens</i> = <i>complanatus</i> .
90		i 202	<i>U. rostrata</i> = <i>pictorum</i> .
90		i 202	Batava.
91		i 203	<i>U. nodulosa</i> = <i>ovata</i> .
91		i 203	<i>U. varicosa</i> = <i>Alasmodonta marginata.</i>
91		i 203	granosa.
91		i 203	depressa.
91		i 203	<i>U. Virginiana</i> = <i>radiatus</i> .
91		i 203	luteola. <i>U. siliquoideus</i> Barnes.
91		i 203	angusta.
91		i 203	<i>U. manca</i> = <i>pictorum</i> .
92		i 204	<i>U. cariosa</i> = <i>Alasmodonta marginata.</i>
92		i 204	spuria.
92		i 204	australis.
92		i 204	<i>U. anodontina</i> = <i>marginalis</i> .
92		i 204	<i>U. suborbiculata</i> = <i>rotundata</i> .
92		i 204	Hyria avicularis = <i>Mya symmatophora.</i>
92		i 204	corrugata.
92		i 204	Anodonta cygnea. <i>Mytilus cygneus.</i>
93		i 204	An. anatina.
93		i 205	<i>An. sulcata</i> = <i>An. cygnea.</i>
93		i 205	An. fragilis.

TRANS. Vol. v, 1837.		OBS.		Name.	Locality.
Pa.	Pl. Fig.	V.	Pa.		
93		i	205	An. rubens.	
93		i	205	An. crispata.	
93		i	205	An. uniopsis.	
93		i	205	<i>An. Pennsylvanica</i> = undulata Say (<i>rugosus</i> Sw.)	
93		i	205	<i>An. intermedia</i> = anatina.	
93		i	205	<i>An. intermedia</i> Pfr. = cygnea.	
93		i	205	<i>An. trapezialis</i> = giganteus.	
93		i	206	An. exotica.	
94		i	206	An. glauca.	
94		i	206	An. sinuosa.	
94		i	206	An. Patagonica.	
94		i	206	Iridina nilotica. <i>I. Clappertoni</i> Denman.	
95	xiii 38	i	207	Unio Shepardianus <i>Lea.</i>	Darien, Ga.
96	xiii 39	i	208	fulvus <i>Lea.</i>	S. C.
97	xiii 40	i	209	modioliformis <i>Lea.</i>	Santee canal, S. C.
98	xiv 41	i	210	Kirtlandianus <i>Lea.</i>	Mahoning, O.
100	xiv 43	i	212	Nashvillianus <i>Lea.</i>	Cumberland r., Ohio riv., Louisville.
101	xv 44	i	213	Blandingianus <i>Lea.</i>	St. John's riv., Fla.?
102	xv 45	i	214	camelus <i>Lea.</i>	Ohio river.
103	xv 46	i	215	Griffithianus <i>Lea.</i>	S. C.
103	xvi 47	i	215	confertus <i>Lea.</i> [<i>sis</i> <i>Lea.</i>	Santee canal, S. C.
104	xvi 48	i	216	Symphynota Benedicten-	Lake Champlain.
106	xvii 50	i	218	Margaritana Raveneliana <i>Lea.</i>	French Broad and Swananoe r., N. C.
112	xix 79	i	224	Io spinosa <i>Lea.</i>	Holston river, Va.
114	xix 81	i	226	Lymnæa acuta <i>Lea.</i>	Philadelphia.
114	xix 82	i	226	exilis <i>Lea.</i>	Ohio.
115	xix 83	i	227	Physa elliptica <i>Lea.</i> [<i>Lea.</i>	
115	xix 84	i	227	Ampullaria Hopetonensis	Hopeton, Ga.
116	xix 85	i	228	Paludina Georgiana <i>Lea.</i>	Hopeton, Ga.
117	xix 86	i	229	Succinea retusa <i>Lea.</i>	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	Anodonta gigantea <i>Lea.</i>	Port Gibson.
2	ii	2	ii	2	ovata <i>Lea.</i>	Marietta, O.
4	ii	4	ii	4	Unio venustus <i>Lea.</i>	O., Mo.
5	iii	5	ii	5	Vaughanianus <i>Lea.</i>	Camden, S. C.
6	iii	6	ii	6	pulcher <i>Lea.</i>	Nashville, Tenn.
7	iii	7	ii	7	obscurus <i>Lea.</i>	Nashville, Tenn.
8	iv	8	ii	8	Fisherianus <i>Lea.</i>	Chester river, Md.

TRANS. Vol. vi, 1839.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
9	iv	9	ii	9	Unio jejunus <i>Lea.</i>	Cam'n, Roanoke, S. C.
10	iv	10	ii	10	arctior <i>Lea.</i>	Cincinnati.
11	v	11	ii	11	turgidus <i>Lea.</i>	New Orleans.
12	v	12	ii	12	coccineus <i>Lea.</i>	Ohio.
13	v	13	ii	13	solidus <i>Lea.</i>	Ohio.
14	vi	14	ii	14	Hydianus <i>Lea.</i>	Louisiana.
15	vi	15	ii	15	interruptus <i>Lea.</i>	Harpeth river, Tenn.
17	xxiii	81	ii	17	Paludina hyalina <i>Lea.</i>	Poland, O.
17	xxiii	98	ii	17	Melania inflata <i>Lea.</i>	Indian creek, Va.
18	xxiii	106	ii	18	Physa aurea <i>Lea.</i>	Hot Spring, Va.
22	xxiii	104	ii	22	Paludina pallida <i>Lea.</i>	Cincinnati.
23	vii	17	ii	23	Unio pumilus <i>Lea.</i>	Black river, N. C.
24	vii	18	ii	24	Tampicoensis <i>Lea.</i>	Tampico, &c., Mex.
25	vii	19	ii	25	Cumberlandicus <i>Lea.</i>	Cumb'land r., Tenn.
26	viii	20	ii	26	simus <i>Lea.</i>	Cumb'land r., Tenn.
27	viii	21	ii	27	Roanokensis <i>Lea.</i>	Roanoke riv., N. C., Altamaha r., Ala.
28	viii	22	ii	28	notatus <i>Lea.</i>	Cumberland river.
28	ix	23	ii	28	Jayensis <i>Lea.</i>	Florida.
29	ix	24	ii	29	Hopetonensis <i>Lea.</i>	Hopeton.
30	ix	25	ii	30	lugubris <i>Lea.</i>	Hopeton.
31	x	26	ii	31	Barnesianus <i>Lea.</i>	Cumb'land r., Tenn.
32	x	27	ii	32	Zeiglerianus <i>Lea.</i>	Cumb'land r., Tenn.
33	x	28	ii	33	creperus <i>Lea.</i>	Tennessee.
34	x	29	ii	34	glaber <i>Lea.</i>	Holston riv., Tenn.
35	x	30	ii	35	gibber <i>Lea.</i>	Carryfork r., Tenn.
36	xi	31	ii	36	Vanuxemensis <i>Lea.</i>	Cumb'land r., Tenn.
37	xi	32	ii	37	carbonarius <i>Lea.</i>	Medellin riv., Mex.
38	xi	33	ii	38	folliculatus <i>Lea.</i>	Savannah river.
39	xii	34	ii	39	Medellinus <i>Lea.</i>	Medellin river, near Vera Cruz.
40	xii	35	ii	40	Lecontianus <i>Lea.</i>	Conochee river, Ga.
41	xii	36	ii	41	Muhlfeldianus <i>Lea.</i>	Cumb'land r., Tenn.
42	xiii	37	ii	42	Margaritana Holstonia	Holston river.
43	xiii	38	ii	43	deltoidea <i>Lea.</i> [<i>Lea.</i>	Cincinnati, O.
44	xiii	39	ii	44	fabula <i>Lea.</i>	Cumb'land r., Tenn.
45	xiii	40	ii	45	Anodonta cylindracea <i>Lea.</i>	Medellin r., near V.
45	xiv	41	ii	45	salmonia <i>Lea.</i>	Poland, O. [<i>Cruz.</i>
46	xiv	42	ii	46	Wardiana <i>Lea.</i>	Chillicothe, O.
47	xiv	43	ii	47	Buchanensis <i>Lea.</i>	Buck creek, O.
48-57	xv		ii	48-57	Anatomy of Naiades.	
57	xvi	50	ii	57	Unio spinosus <i>Lea.</i>	Altamaha, Ga.
61	xvii	53	ii	61	pliciferus <i>Lea.</i>	Mexico.

TRANS.			Obs.			
Vol. vi, 1839.						
Pa.	Pl.	Fig.	V.	Pa.		
62	xvii	55	ii	62	Unio Tappanianus <i>Lea.</i>	Juniata river.
					<i>U. viridis</i> Conr. non.	
					<i>Raf.</i>	
64	xx	63	ii	64	Anodonta decora <i>Lea.</i>	Ohio.
67	xxiii	82	ii	67	Helix Wardiana <i>Lea.</i>	Ohio.
68	xxiii	83	ii	68	Planorbis lens <i>Lea.</i>	Cincinnati.
69			ii	69	Note on Carocolla spinosa.	
69	xix	60	ii	69	Unio graniferus <i>Lea.</i>	Cincinnati.
70	xix	61	ii	70	splendidus <i>Lea.</i>	Altamaha river, Ga.
71	xxii	69	ii	71	Margaritana arcula <i>Lea.</i>	Altamaha river, Ga.
73	xvii	54	ii	73	Unio Dorfeuillianus <i>Lea.</i>	Ohio.
76	xix	59	ii	76	Menkianus <i>Lea.</i>	Harpeth river, Tenn.
77	xx	62	ii	77	Anodonta Nuttalliana <i>Lea.</i>	Wahlamat riv., Or.
78	xx	64	ii	78	Wahlamatensis <i>Lea.</i>	Wahlamat riv., Or.
78	xxi	65	ii	78	pavonia <i>Lea.</i>	Little Beaver r., O.
79	xxi	66	ii	79	Newtoniensis <i>Lea.</i>	Newtown cr., N. J.
80	xxi	67	ii	80	Oregonensis <i>Lea.</i>	Wahlamat river.
87	xxiii	71	ii	87	Helix Mitchelliana <i>Lea.</i>	Ohio.
87	xxiii	72	ii	87	Vancouverensis <i>Lea.</i>	Fort Vancouver, Or.
88	xxiii	74	ii	88	Nuttalliana <i>Lea.</i>	Fort Vancouver, Or.
89	xxiii	75	ii	89	Columbiana <i>Lea.</i>	Fort Vancouver, Or.
91	xxiii	93	ii	91	Paludina virens <i>Lea.</i>	Wahlamat, Or.
91	xxiii	103	ii	91	nucloa <i>Lea.</i>	Wahlamat, Or.
92	xxiii	109	ii	92	Nickliniana <i>Lea.</i>	Hot Springs, Va.
92	xxiii	86	ii	92	Melania Troostiana <i>Lea.</i>	Mossy creek, Tenn.
93	xxiii	90	ii	93	plicifera <i>Lea.</i>	Wahlamat, Or.
93			ii	93	<i>M. tuberculata</i> <i>Lea</i> = Spixiana <i>Lea.</i>	
94	xxiii	91	ii	94	Lymnæa solida <i>Lea.</i>	Wahlamat, Or.
95	xviii	56	ii	95	Unio Rangianus <i>Lea.</i>	Ohio.
96	xvi	51	ii	96	Pepinianus <i>Lea.</i>	Lake Pepin, O.
97	xvi	52	ii	97	Anodonta angulata <i>Lea.</i>	Lewis' river, Or.
99	xxiii	79	ii	99	Helix Californiensis <i>Lea.</i>	St. Diego, U. Cal.
99	xxiii	80	ii	99	Townsendiana <i>Lea.</i>	Wahlamat, Or.
100	xxiii	84	ii	100	Nickliniana <i>Lea.</i>	St. Diego, U. Cal.
100	xxiii	85	ii	100	Oregonensis <i>Lea.</i>	Wahlamat, Or.
101	xxiii	107	ii	101	Succinea aperta <i>Lea.</i>	Bks. of Columbia r.
101	xxiii	109	ii	101	Paludina Nuttalliana <i>Lea.</i>	Wahlamat, Or.
102	xxiii	94	ii	102	Lymnæa apicina <i>Lea.</i>	Wahlamat, Or.
103	xxiv	113	ii	103	Unio dolabræformis <i>Lea.</i>	Altamaha river.
104	xxiv	114	ii	104	Novi-eboraci <i>Lea.</i>	Orleans co., N. Y.
105	xxiv	115	ii	105	Claibornensis <i>Lea.</i>	Claiborne, Ala.
106	xxiv	117	ii	106	Anodonta subcylindræa <i>Lea.</i>	Orleans co., N. Y.

TRANS.			OBS.		Name.	Locality.
Vol. vi, 1839.			V. Pa.			
Pa.	Pl.	Fig.	V.	Pa.		
107	xxiv	118	ii	107	Polygyra Dorfeuilliana <i>Lea</i>	Ohio.
107	xxiv	119	ii	107	Troostiana <i>Lea.</i>	Tennessee.
113			ii	113	Lea. —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					Lea. —Vol. vii of the same contains only "On the <i>Patella amœna</i> of Say." Date of title, 1841.	
73					Patelloidea testudinalis 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					Lea. —Description of new Fresh Water and Land Shells. Date of title, 1843.	
164	v	1	iii	2	Melania Hildrethiana <i>Lea.</i>	Ohio r. at Marietta.
164	v	2	iii	2	castanea <i>Lea.</i>	Maury co., Tenn.
165	v	3	iii	3	lævigata <i>Lea.</i>	Claiborne, Ala.
165	v	4	iii	3	Kirtlandiana <i>Lea.</i>	Ind., O., &c.
165	v	5	iii	3	Taitiana <i>Lea.</i>	Claiborne, Ala.
166	v	6	iii	4	dubiosa <i>Lea.</i>	Tennessee.
166	v	7	iii	4	ebenum <i>Lea.</i>	Robinson co., Tenn.
167	v	8	iii	5	rufa <i>Lea.</i>	Mamma's cr., Tenn.
167	v	9	iii	5	fusififormis <i>Lea.</i>	Tennessee.
168	v	10	iii	6	clavæformis <i>Lea.</i>	Ocoee Dist., Clinch
168	v	11	iii	6	gracilis <i>Lea.</i>	Tennessee. [r. Tenn.
168	v	12	iii	6	subsollida <i>Lea.</i>	Tennessee.
169	v	13	iii	7	Ocoeensis <i>Lea.</i>	Ocoee Dist., Tenn.
169	v	14	iii	7	subcylindracea <i>Lea.</i>	Tennessee.
170	v	15	iii	8	sordida <i>Lca.</i>	Tennessee.

TRANS. Vol. viii, 1843.			OBS.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
170	v	16	iii	8	Melania regularis <i>Lea.</i>	Oconee Dist., Tenn.
170	v	17	iii	8	fuliginosa <i>Lea.</i>	Maury co., Tenn.
171	v	18	iii	9	Nickliniana <i>Lea.</i>	Bath co., Va.
171			iii	10	Anculosa inflata <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	Melania viridis <i>Lea.</i>	Cincinnati.
172	v	20	iii	10	occidentalis <i>Lea.</i>	Cincinnati.
173	v	21	iii	11	Niagarensis <i>Lea.</i>	Niagara Falls.
174	v	22	iii	12	globula <i>Lea.</i>	Tennessee.
174	v	23	iii	12	altilis <i>Lea.</i>	Santee ca., S.C., Hav. de Grace, Md.
175	v	24	iii	13	strigosa <i>Lea.</i>	Holston river, Tenn.
175	v	25	iii	13	virgata <i>Lea.</i>	Tenn.
176	v	26	iii	14	tenebrosa <i>Lea.</i>	Tenn.
176	v	27	iii	14	teres <i>Lea.</i>	Tenn.
176	v	28	iii	14	obtusa <i>Lea.</i>	Tenn.
177	v	29	iii	15	Lecontiana <i>Lea.</i>	Georgia.
177	v	30	iii	15	corrugata <i>Lea.</i>	Tennessee.
178	vi	31	iii	16	monozonalis <i>Lea.</i>	Tennessee.
178	vi	32	iii	16	terebialis <i>Lea.</i>	Tennessee.
179	vi	33	iii	17	columella <i>Lea.</i>	Tennessee.
179	vi	34	iii	17	blanda <i>Lea.</i>	Tennessee.
179	vi	35	iii	17	crebri-costata <i>Lea.</i>	Robinson co., Tenn.
180	vi	36	iii	18	Curreyana <i>Lea.</i>	Barren river, Ky.
180	vi	37	iii	18	Edgariana <i>Lea.</i>	Cany Fork, Tenn.
181	vi	38	iii	19	decora <i>Lea.</i>	Tenn., Green r. Ky.
181	vi	39	iii	19	costulata <i>Lea.</i>	Barren r. Ky., Tenn.
182	vi	40	iii	20	nitens <i>Lea.</i>	Tennessee.
182	vi	41	iii	20	plicatula <i>Lea.</i>	Tennessee.
183	vi	42	iii	21	concinna <i>Lea.</i>	Tennessee.
183	vi	43	iii	21	Babylonica <i>Lea.</i>	Yellow sps., Green
183	vi	44	iii	21	exarata <i>Lea.</i>	Tennessee. [co., O.
184	vi	45	iii	22	Potosiensis <i>Lea.</i>	Potosi, Mo.
184	vi	46	iii	22	acuto-carinata <i>Lea.</i>	Tennessee.
185	vi	47	iii	23	Warderiana <i>Lea.</i>	Cedar creek, Va.
185	vi	48	iii	23	sulcosa <i>Lea.</i>	Tennessee.
186	vi	49	iii	24	striata <i>Lea.</i>	Tennessee.
186	vi	50	iii	24	pilula <i>Lea.</i>	Tennessee.
187	vi	51	iii	25	circincta <i>Lea.</i>	Tennessee.
187	vi	52	iii	25	venusta <i>Lea.</i>	Tennessee.

TRANS. Vol. viii, 1843.			OBS.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
188	vi	53	iii	26	<i>Melania Florentiana</i> Lea.	Florence, Ala.
188	vi	54	iii	26	<i>Duttoniana</i> Lea.	Tennessee.
189	vi	55	iii	27	<i>Holstonia</i> Lea.	Holston river, Tenn.
189	vi	56	iii	27	<i>caliginosa</i> Lea.	Tennessee.
190	vi	57	iii	28	<i>nodulosa</i> Lea.	Tennessee.
190	vi	58	iii	28	<i>Cincinnatiensis</i> Lea.	Cinn., Holston, Ten.
191	vii	1	iii	29	<i>Unio exiguus</i> Lea.	Columbus, Ga.
193	vii	3	iii	31	<i>cuneolus</i> Lea.	Holston river, Tenn.
194	viii	4	iii	32	<i>Cincinnatiensis</i> Lea.	Cincinnati.
195	viii	5	iii	33	<i>Stonensis</i> Lea.	Stone's river, Tenn.
195	viii	6	iii	33	<i>Lesueurianus</i> Lea.	Cany Fork and Holston river, Tenn.
196	ix	7	iii	34	<i>dactylus</i> Lea.	Cany Fork, Tenn.
197	ix	8	iii	35	<i>biangulatus</i> Lea.	Cany Fork, Tenn.
198	ix	9	iii	36	<i>strigosus</i> Lea.	Columbus, Ga.
198	x	10	iii	36	<i>tener</i> Lea.	Big Pigeon r., Tenn.
199	x	11	iii	37	<i>Tennesseensis</i> Lea.	Stone's river, Tenn.
200	x	12	iii	38	<i>amœnus</i> Lea.	Holston river, Tenn.
201	xi	13	iii	39	<i>obtusus</i> Lea.	Columbus, Ga.
201	xi	14	iii	39	<i>fatuus</i> Lea.	Holston river, Tenn.
202	xī	15	iii	40	<i>Geddingsianus</i> Lea.	Congaree riv., S. C.
203	xii	16	iii	41	<i>striatus</i> Lea.	Columbus, Ga.
204	xii	17	iii	42	<i>tortivus</i> Lea.	Columbus, Ga.
204	xii	18	iii	42	<i>lenior</i> Lea.	Holston river, Tenn.
205	xii	19	iii	43	<i>nitens</i> Lea.	Cocke co., Tenn.
206	xii	20	iii	44	<i>lineatus</i> Lea.	Columbus, Ga.
207	xiii	21	iii	45	<i>atromarginatus</i> Lea.	Columbus, Ga.
208	xiii	22	iii	46	<i>Boykinianus</i> Lea.	Columbus, Ga.
209	xiii	23	iii	47	<i>subangulatus</i> Lea.	Columbus, Ga.
209	xiv	24	iii	47	<i>pilaris</i> Lea.	French Broad and Holston r., E. Ten.
210	xiv	25	iii	48	<i>tuberosus</i> Lea.	Cany Fork and Cumberland rvs., M. Ten.
211	xiv	26	iii	49	<i>plenus</i> Lea.	Cincinnati.
212	xv	27	iii	50	<i>Holstonensis</i> Lea.	Holston river, Tenn.
213	xv	28	iii	51	<i>Bowenianus</i> Lea.	Chillicothe, O.
213	xv	29	iii	51	<i>paulus</i> Lea.	Columbus, Ga.
214	xv	30	iii	52	<i>Edgarianus</i> Lea.	Holston river, Tenn., Florence, Ala.
215	xv	31	iii	53	<i>dolabelloides</i> Lea.	Holston river, Tenn.
216	xvi	32	iii	54	<i>Boydianus</i> Lea.	Orleans co., N. Y.
217	xvi	33	iii	55	<i>Sloatianus</i> Lea.	Chattahoochee r., G.

TRANS. Vol. viii, 1843.			OBS.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
217	xvi	34	iii	55	Unio incrassatus <i>Lea.</i>	Columbus, Ga.
220	xviii	36	iii	58	pusillus <i>Lea.</i> [<i>Lea.</i>	Ogechee river, Ga.
223	xviii	40	iii	61	Margaritana Curreyiana	Stone's river, Tenn.
223	xix	41	iii	61	Anodonta argentea <i>Lea.</i>	Stone's river, Tenn.
224	xix	42	iii	62	Harpethensis <i>Lea.</i>	Harpeth's riv., Ten.
225	xix	43	iii	63	ferruginea <i>Lea.</i>	Simon's creek, Ind.
225	xx	44	iii	63	Footiana <i>Lea.</i>	Fort Winnebago.
226	xx	45	iii	64	Marryattana <i>Lea.</i>	Fort Winnebago.
227	xx	46	iii	65	Couperiana <i>Lea.</i>	Hopeton, Ga.
227					incerta?	Hopeton, Ga.
228	vi	59	iii	66	Melania Boykiniana <i>Lea.</i>	Columbus, Ga.
228	vi	60	iii	66	catenoides <i>Lea.</i>	Columbus, Ga.
229	vi	61	iii	67	Carocolla Cumberlandiana	Cumberland Mts.,
					<i>Lea.</i>	Jasper, Tenn.
229	vi	62	iii	67	Cyclostoma Cincinnatiense <i>Lea.</i>	Cincinnati.
230-233			iii	68	Notes on Anatomy of Naiades .	
233	xxi	47	iii	71	Unio Sapotalensis <i>Lea.</i>	Sapotal river, Mex.
234	xxi	48	iii	72	Tecomatensis <i>Lea.</i>	Tecomate riv., Mex.
235	xxi	49	iii	73	Georgianus <i>Lea.</i>	Stump creek, Ga.
236	xxii	50	iii	74	Duttonianus <i>Lea.</i>	Ogechee canal, Ga.
237	xxii	51	iii	75	Bigbyensis <i>Lea.</i>	Big Bigbee cr., Ten.
238	xxii	52	iii	76	crocatus <i>Lea.</i>	Savannah river, Ga.
239	xxiii	54	iii	77	callosus <i>Lea.</i>	Ohio canal, 12 miles below Columbus.
241	xxiv	56	iii	79	Anodonta globosa <i>Lea.</i>	Concha Lake, Tlaxal- talam, Mexico.
242	xxv	57	iii	80	Unio argenteus <i>Lea.</i>	Holston river, Tenn.
242	xxv	58	iii	80	sparsus <i>Lea.</i>	Holston river, Tenn.
243	xxv	59	iii	81	regularis <i>Lea.</i>	French Br'd r., Ten.
244	xxvi	60	iii	82	mæstus <i>Lea.</i>	French Br'd r., Ten.
245	xxvi	62	iii	83	Brumbyanus <i>Lea.</i>	Tuscaloosa, Ala.
246	xxvi	61	iii	84	Dariensis <i>Lea.</i>	Darien, Ga.
247	xxvii	63	iii	85	Haleianus <i>Lea.</i>	Miss. river, 30 miles above N. Orleans.
247	xxvii	64	iii	85	Foremanianus <i>Lea.</i>	Tuscaloosa, Ala.
248	xxvii	65	iii	86	Anodonta Dunlapiana <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.

V. Pa.

V. Pa.

Name.

Locality.

Lea.—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	Helix Tennesseensis <i>Lea.</i>	Cumb'land Mt., Tenn.
ix 2	iv 2	Carocolla Edgariana <i>Lea.</i>	Cumb'land Mt., Tenn.
ix 3	iv 3	Succinea Wardiana <i>Lea.</i>	Ohio.
ix 4	iv 4	Totteniana <i>Lea.</i>	Newport, R. I.
ix 4	iv 4	Nuttalliana <i>Lea.</i>	Oregon.
ix 4	iv 4	aurea <i>Lea.</i>	Springfield, O.
ix 5	iv 5	Oregonensis <i>Lea.</i>	Oregon.
ix 5	iv 5	inflata <i>Lea.</i>	South Carolina.
ix 6	iv 6	Planorbis regularis <i>Lea.</i>	United States.
ix 6	iv 6	Buchanensis <i>Lea.</i>	Cincinnati.
ix 6	iv 6	bellus <i>Lea.</i>	Tennessee.
ix 6	iv 6	lens <i>Lea</i> = lenticularis <i>Lea.</i>	
ix 7	iv 7	Physa Hildrethiana <i>Lea.</i>	Illinois.
ix 7	iv 7	inflata <i>Lea.</i>	Virginia.
ix 7	iv 7	Troostiana <i>Lea.</i>	Tennessee.
ix 8	iv 8	Limnæa Philadelphica <i>Lea.</i>	Schuylkill river.
ix 8	iv 8	Griffithiana <i>Lea.</i>	Charlotte Lake, N. Y.
ix 9	iv 9	Nuttalliana <i>Lea.</i>	Oregon.
ix 9	iv 9	bulimoides <i>Lea.</i>	Oregon.
ix 9	iv 9	exigua <i>Lea.</i>	Tennessee.
ix 9	iv 9	planulata <i>Lea.</i>	White Sulph. Spr., Va.
ix 10	iv 10	fusiformis <i>Lea.</i>	Lewistown, N. Y.
ix 10	iv 10	rustica <i>Lea.</i>	Poland, O.
ix 10	iv 10	plica <i>Lea.</i>	Tennessee.
ix 11	iv 11	coarctata <i>Lea.</i>	Newport, R. I.
ix 11	iv 11	casta <i>Lea.</i>	Poland, O.
ix 11	iv 11	parva <i>Lea.</i>	Cincinnati.
ix 11	iv 11	curta <i>Lea.</i>	Cincinnati.
ix 12	iv 12	strigosa <i>Lea.</i>	Cincinnati.
ix 12	iv 12	Kirtlandiana <i>Lea.</i>	Poland, O.
ix 13	iv 13	Paludina regularis <i>Lea.</i>	Ohio.?
ix 13	iv 13	obtusa <i>Lea.</i>	Ohio.
ix 14	iv 14	Troostiana <i>Lea.</i>	Tennessee.
ix 14	iv 14	Anculosa (notes on the genus.)	
ix 15	iv 15	Troostiana <i>Lea.</i>	Tennessee.
ix 15	iv 15	gibbosa <i>Lea.</i>	Tennessee.
ix 15	iv 15	carinata <i>Lea.</i>	Roanoke river.
ix 15	iv 15	variabilis <i>Lea.</i>	Roanoke river.
ix 16	iv 16	Ammicola (notes on the genus.)	

TRANS. Vol. ix, 1844.		Obs.	Name.	Locality.
V.	Pa.	V.	Pa.	
ix	16	iv	16	<i>Ammicola orbiculata</i> <i>Lea.</i> Springfield, O., and Cayuga Lake.
ix	16	iv	16	<i>limosa</i> <i>Say.</i>
ix	16	iv	16	<i>porata</i> <i>Say.</i>
ix	16	iv	16	<i>isogona</i> <i>Say.</i>
				<i>Paludina pallida</i> <i>Lea.</i>
ix	16	iv	16	<i>parva</i> <i>Lea.</i> Springfield, O.
ix	17	iv	17	<i>Io tenebrosa</i> <i>Lea.</i> Tennessee.
ix	17	iv	17	<i>Helix Mobiliana</i> <i>Lea.</i> Mobile.
ix	17	iv	17	<i>minutissima</i> <i>Lea.</i> Cincinnati.
ix	18	iv	18	<i>Melania turgida</i> <i>Lea.</i> Holston river, Tenn.
ix	18	iv	18	<i>glabra</i> <i>Lea.</i> Holston river, Tenn.
ix	18	iv	18	<i>perfusca</i> <i>Lea.</i> Calf Killer cr., Tenn.
ix	19	iv	19	<i>picta</i> <i>Lea.</i> Holston river, Tenn.
ix	19	iv	19	<i>impressa</i> <i>Lea.</i> Coosa river, Ala.
ix	19	iv	19	<i>robusta</i> <i>Lea.</i> Coosa river, Ala.
ix	20	iv	20	<i>Jayana</i> <i>Lea.</i> Cany Fork, De Kalb co.,
ix	20	iv	20	<i>Anculosa rubiginosa</i> <i>Lea.</i> Warrior r., Ala. [Tenn.]
ix	20	iv	20	<i>Griffithiana</i> <i>Lea.</i> Coosa river, Ala.
ix	21	iv	21	<i>tuberculata</i> <i>Lea.</i> Black Warrior r., Ala.
ix	21	iv	21	<i>Valvata bicarinata</i> <i>Lea.</i> (with notes on animal and ova). Schuylkill river.
ix	22	iv	22	<i>Paludina angulata</i> <i>Lea.</i> Coosa river, Ala.
ix	23	iv	23	<i>Coosaensis</i> <i>Lea.</i> [<i>Lea.</i> Coosa river, Ala.
ix	23	iv	23	<i>cyclostomatiformis</i> Coosa river, Ala.
ix	24	iv	24	Notes on genus <i>Melania</i> .
ix	24	iv	24	<i>Melania plicatula</i> <i>Lea</i> = <i>M. Deshayesiana</i> <i>Lea.</i>
ix	24	iv	24	<i>plicata</i> <i>Lea</i> = <i>M. Menkeana</i> <i>Lea.</i>
ix	24	iv	24	<i>exarata</i> <i>Lea</i> = <i>M. arata</i> <i>Lea.</i>
ix	24	iv	24	<i>Planorbis lens</i> <i>Lea</i> = <i>Pl. Brogniartiana</i> <i>Lea.</i>
ix	25	iv	25	<i>Melania vanuxemiana</i> <i>Lea.</i> Alabama.
ix	25	iv	25	<i>ovalis</i> <i>Lea.</i> Alabama.
ix	25	iv	25	<i>Haysiana</i> <i>Lea.</i> [ma]. Alabama.
ix	25	iv	25	<i>excisa</i> <i>Lea</i> (<i>Schizosto-</i> Alabama.
ix	26	iv	26	<i>Schizostoma</i> <i>Lea</i> (n. g.)
ix	26	iv	26	<i>Melania Ordiana</i> <i>Lea.</i> Alabama.
ix	26	iv	26	<i>brevis</i> <i>Lea.</i> Alabama.
ix	27	iv	27	<i>oliva</i> <i>Lea.</i> Alabama.
ix	27	iv	27	<i>Foremani</i> <i>Lea.</i> Alabama.
ix	27	iv	27	<i>torquata</i> <i>Lea.</i> Tennessee.
ix	28	iv	28	<i>producta</i> <i>Lea.</i> Tennessee.
ix	28	iv	28	<i>curvata</i> <i>Lea.</i> Tennessee.
ix	28	iv	28	<i>expansa</i> <i>Lea.</i> Alabama.

TRANS. Vol. ix, 1844.			OBS.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
28	ix	28	iv	28	Anculosa incisa <i>Lea.</i>	Alabama.
29	ix	29	iv	29	Foremani <i>Lea.</i>	Alabama.
29	ix	29	iv	29	solida <i>Lea.</i>	Alabama.
30	ix	30	iv	30	flammata <i>Lea.</i>	Alabama.
30	ix	30	iv	30	Paludina incrassata <i>Lea.</i>	Alabama.
30	ix	30	iv	30	coarctata <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	Unio amygdalum <i>Lea.</i>	Lake George, Fla.
276	xxxix	2	iv	34	Buckleyi <i>Lea.</i>	Lakes George and Munroe, Fla.
276	xxxix	3	iv	34	minor <i>Lea.</i>	Lakes George and Munroe, Fla.
277	xl	4	iv	35	fuscatus <i>Lea.</i>	Black creek, Fla.
277	xl	5	iv	35	Buddianus <i>Lea.</i>	L. George & Munroe,
278	xl	6	iv	36	trossulus <i>Lea.</i>	Lke. Munroe, Fla. [F.
279	xli	7	iv	37	occultus <i>Lea.</i>	Black cr. and Lake Munroe, Fla.
279	xli	8	iv	37	Monroensis <i>Lea.</i>	Lake Munroe, Fla.
280	xli	9	iv	38	aheneus <i>Lea.</i>	Black creek, Fla.
280	xlii	10	iv	38	neglectus <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	Unio hippopœus <i>Lea.</i>	Lake Erie.
68	i	2	iv	42	latecostatus <i>Lea.</i>	Tuscaloosa, Ala.
69	i	3	iv	43	utriculus <i>Lea.</i>	N. C.
69	ii	4	iv	43	hyalinus <i>Lea.</i>	Richmond, Va.
70	ii	5	iv	44	atrocostatus <i>Lea.</i>	Ala., La.
70	ii	6	iv	44	pellucidus <i>Lea.</i>	Chattahoochee, Ga.
71	iii	7	iv	45	tumescens <i>Lea.</i>	Alexandria, La.
71	iii	8	iv	45	pernodosus <i>Lea.</i>	N. C.
72	iii	9	iv	46	flavescens <i>Lea.</i>	Blk. Warrior r., Ala.
73	iv	10	iv	47	fulgidus <i>Lea.</i>	Alexandria, La.
73	iv	11	iv	47	symmetricus <i>Lea.</i>	Alexandria, La.
74	iv	12	iv	48	unicolor <i>Lea.</i>	Tuscaloosa, Ala.
74	v	13	iv	48	approximus <i>Lea.</i>	Alexandria, La.
75	v	14	iv	49	caperatus <i>Lea.</i>	Clinch river, Tenn.
76	v	15	iv	50	simplex <i>Lea.</i>	Blk. Warrior r., Ala.
76	vi	16	iv	50	Gouldii <i>Lea.</i>	Tuscaloosa, Ala.

TRANS. Vol. X, 1847.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
77	vi	17	iv	51	Unio Estabrookianus <i>Lea.</i>	Clinch river, Tenn.
77	vi	18	iv	51	Binneyi <i>Lea.</i>	Southern States.
78	vii	19	iv	52	fuliginosus <i>Lea.</i>	Cobb's creek, Phila.
79	vii	20	iv	53	palescens <i>Lea.</i>	Tuscaloosa, Ala.
79	vii	21	iv	53	caliginosus <i>Lea.</i>	Alexandria, La.
80	viii	22	iv	54	spatulatus <i>Lea.</i>	Rock river, Wisc.
81	viii	23	iv	55	compressissimus <i>Lea.</i>	Holston river, Tenn.
81	viii	24	iv	55	pulvinulus <i>Lea.</i>	Murray co., Ala.
82	viii	25	iv	56	Anodonta tetragona <i>Lea.</i>	Alexandria, La.
82	viii	26	iv	56	Margaritana minor <i>Lea.</i>	Tenn., N. C.
83	ix	27	iv	57	Melania solida <i>Lea.</i>	Tennessee.
83	ix	28	iv	57	proteus <i>Lea.</i>	Tuscaloosa, Ala.
84	ix	29	iv	58	lugubris <i>Lea.</i>	Alabama.
84	ix	30	iv	58	torta <i>Lea.</i>	Big creek, Tenn.
85	ix	31	iv	59	spurca <i>Lea.</i>	Alabama.
85	ix	32	iv	59	abrupta <i>Lea.</i>	Alabama.
85	ix	33	iv	59	basalis <i>Lea.</i>	Alabama.
86	ix	34	iv	60	modesta <i>Lea.</i>	Columbus, Ga.
86	ix	35	iv	60	Haleiana <i>Lea.</i>	Alexandria, La.
86	ix	36	iv	60	pumila <i>Lea.</i>	Tuscaloosa, Ala.
87	ix	37	iv	61	Alexandrensis <i>Lea.</i>	Alexandria, La.
87	ix	38	iv	61	ovoidea <i>Lea.</i>	Alexandria, La.
88	ix	39	iv	62	auriculæformis <i>Lea.</i>	Tuscaloosa, Ala.
88	ix	40	iv	62	carino-costata <i>Lea.</i>	Ala., Tenn.
88	ix	41	iv	62	filum <i>Lea.</i>	Alabama.
89	ix	42	iv	63	spinalis <i>Lea.</i>	Alabama.
89	ix	43	iv	63	palescens <i>Lea.</i>	Chester Dist., S. C.
90	ix	44	iv	64	Buddii <i>Lea.</i>	Tennessee?
90	ix	45	iv	64	harpa <i>Lea.</i>	Tuscaloosa, Ala.
90	ix	46	iv	64	arctata <i>Lea.</i>	Tuscaloosa, Ala.
91	ix	47	iv	65	crebri-striata <i>Lea.</i>	Tuscaloosa, Ala.
91	ix	48	iv	65	nobilis <i>Lea.</i>	Alabama.
92	ix	49	iv	66	pernodosa <i>Lea.</i>	Florence, Ala.
92	ix	50	iv	66	Anculosa squalida <i>Lea.</i>	Tuscaloosa, Ala.
93	ix	51	iv	67	tintinnabulum <i>Lea.</i>	Tenn., Tuscal'a, Ala.
93	ix		iv	67	Schizostoma <i>Lea</i> (n. g.)	
93	ix	52	iv	67	pagoda <i>Lea.</i>	Tuscaloosa, Ala.
93	ix		iv	67	incisa <i>Lea.</i>	
93	ix		iv	67	excisa <i>Lea.</i>	
94	ix	53	iv	68	Buddii <i>Lea.</i>	Tuscaloosa, Ala.
94	ix	54	iv	68	Babylonicum <i>Lea.</i>	Tuscaloosa, Ala.
94	ix	55	iv	68	constrictum <i>Lea.</i>	Tuscaloosa, Ala.
95	ix	56	iv	69	funiculatum <i>Lea.</i>	Tuscaloosa, Ala.

TRANS. Vol. x, 1847.			OBS.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
95	ix	57	iv	69	Schizostoma laciniatum	Tuscaloosa, Ala.
					<i>Lea.</i>	
96	ix	58	iv	70	Paludina Haleiana	Alexandria, La.
					<i>Lea.</i>	
96	ix		iv	70	Lea. —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	Lea. —New Fresh Water and Land Shells.	Date of vol. x, part 2, 1852.
254	xii	1	v	10	Unio sordidus	Abbeville Dis., S. C.
254	xii	2	v	10	Gibbesianus	Abbeville Dis., S. C.
255	xii	3	v	11	perstriatus	Abbeville Dis., S. C.
256	xiii	4	v	12	Toumeyii	Abbeville Dis., S. C.
256	xiii	5	v	12	Barrattii	Abbeville Dis., S. C.
257	xiii	6	v	13	decoratus	Abbeville Dis., S. C.
258	xiv	7	v	14	rufusculus	Abbeville Dis., S. C.
258	xiv	8	v	14	Whiteianus	Savannah, Ga.
259	xiv	9	v	15	lazarus	Abbeville Dis., S. C.
260	xv	10	v	16	merus	Abbeville Dis., S. C.
260	xv	11	v	16	concavus	Abbeville Dis., S. C.
261	xv	12	v	17	ineptus	Abbeville Dis., S. C.
261	xv	13	v	17	buxeus	Abbeville Dis., S. C.
262	xv	14	v	18	pygmæus	Abbeville Dis., S. C.
263	xvi	15	v	19	fraternus	Abbeville Dis., S. C., and Columbus, Ga.
263	xvi	16	v	19	Cuvierianus	Washington co., Ga.
264	xvi	17	v	20	Forbesianus	Savannah river.
265	xvii	18	v	21	Kleinianus	Suwanee river, Fla.
265	xvii	19	v	21	satur	Alexandria, La., Lk. Calcashue, La.
266	xvii	20	v	22	Lamarkianus	Caddo and Washitta rivers, Ark.
267	xviii	21	v	23	hebes	Oconee river, Ga.
268	xviii	22	v	24	Moussonianus	Georgia.
268	xviii	23	v	24	nigerrimus	Alexandria, La.
269	xix	24	v	25	Prevostianus	Eutowah river, Ga.
270	xix	25	v	26	Powellii	Saline river, Ark.
271	xx	26	v	27	affinis	Alexandria, La.
271	xx	27	v	27	proximus	Georgia.
272	xx	28	v	28	Reevicianus	Alexandria, La.

TRANS. Vol. X, 1853.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
273	xx	29	v	29	Unio luridus <i>Lea.</i>	Coosawattee r., Ga.
273	xxi	30	v	29	Clarkianus <i>Lea.</i>	Williamsport, Tenn., Ala. ? Ga. ?
274	xxi	31	v	30	Floridensis <i>Lea.</i>	Chacktahachi r., Fla.
275	xxi	32	v	31	succissus <i>Lea.</i>	W. Florida, New Or.
275	xxii	33	v	31	Oregonensis <i>Lea.</i>	Columbia river.
275	xxii	34	v	32	Rumphianus <i>Lea.</i>	West Georgia ?
277	xxii	35	v	33	sagittiformis <i>Lea.</i>	Oconee river, Ga.
278	xxiii	36	v	34	Stewardsonii <i>Lea.</i>	Chattanooga r., Ten.
279	xxiii	37	v	35	Hanleyianus <i>Lea.</i>	Coosawattee r., Ga.
279	xxiii	38	v	35	placitus <i>Lea.</i>	Alabama.
280	xxiii	39	v	36	Troschelianus <i>Lea.</i>	Coosawattee r., Ga.
281	xxiii	40	v	37	Kienerianus <i>Lea.</i>	Coosawattee r., Ga.
283	xxiv	42	v	39	nigellus <i>Lea.</i>	Chattahoochee r., G.
283	xxiv	43	v	39	nux <i>Lea.</i>	Alabama.
284	xxiv	44	v	40	nigrinus <i>Lea.</i>	West Florida.
285	xxv	45	v	41	Anodonta denigrata <i>Lea.</i>	East Tennessee.
285	xxv	46	v	41	opaca <i>Lea.</i>	New Orleans, Little Rock, Ark.,
286	xxv	47	v	42	Californiensis <i>Lea.</i>	Rio Colorado, Cal.
288	xxvi	50	v	44	Schaefferiana <i>Lea.</i>	Horn Lake cr., Tenn.
289	xxvii	51	v	45	Linnæana <i>Lea.</i>	Lake Concordia, La.
289			v	45	edentula <i>Say?</i>	Cincinnati.
290	xxviii	52	v	46	oblita <i>Lea.</i>	Campbell co., Tenn.
290	xxviii	53	v	46	virens <i>Lea.</i>	Alexandria, La.
293	xxix	56	v	49	Arkansensis <i>Lea.</i>	Little Arkansas riv.
295			v	51	Lea. —Description of a new genus (Basistoma) of the family Melaniana.	
295			v	51	Schizostoma <i>Lea</i> (preoc.) = Schizochilus <i>Lea.</i>	
296	xxx	2	v	52	Melania perstriata <i>Lea.</i>	Coosa r., Ala., Hunts- ville, Tenn.
297	xxx	3	v	53	sculptilis <i>Lea.</i>	Tennessee.
297	xxx	4	v	53	Clarkii <i>Lea.</i>	Duck creek, Tenn.
298	xxx	5	v	54	Brumbyi <i>Lea.</i>	Coosa r., Huntsville,
298	xxx	6	v	54	oblita <i>Lea.</i>	Tennessee ? [Ala.
299	xxx	7	v	55	furva <i>Lea.</i>	Coosa river, Ala.
299	xxx	8	v	55	Sellersiana <i>Lea.</i>	Cany Fork, Tenn.
300	xxx	9	v	56	oppugnata <i>Lea.</i>	Alabama river.
300	xxx	10	v	56	Saffordii <i>Lea.</i>	Lebanon, Tenn.
301	xxx	11	v	57	pinguis <i>Lea.</i>	Lebanon, Tenn.
301	xxx	12	v	57	gibbosa <i>Lea.</i>	Scioto river, O.

TRANS.			Obs.		Name.	Locality.
Vol. x, 1853.						
Pa.	Pl.	Fig.	V.	Pa.		
303			v	59	Lea. —Description of a new species of <i>Helix</i> from California, and a new characteristic form of certain American Colimacea .	
303	xxx	13	v	59	Helix Leontii <i>Lea.</i>	San Francisco.
304					Accessory column in	
304			v	60	Carocolla spinosa <i>Lea.</i>	
304			v	60	Edgariana <i>Lea.</i>	
304			v	60	Helix hirsuta <i>Say.</i>	
304			v	60	monodon <i>Rack.</i>	
304			v	60	Leai <i>Ward.</i>	
304			v	60	leporina <i>Could.</i>	
304			v	60	Leontii <i>Lea.</i>	
304			v	60	Polygyra Troostiana <i>Lea.</i>	
304			v	60	Dorfeuilliana <i>Lea.</i>	

JOUR. ACAD. N. SC.
Vol. iii, Jan. 1858.

289			vi	9	Lea. —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	Unio umbrosus <i>Lea.</i>	Medellin riv., Mex.
314	xxx	29	vi	34	Coloradoensis <i>Lea.</i>	Rio Colorado, Texas.
315	xxx	30	vi	35	Poeyanus <i>Lea.</i>	R. de las Balsas, Coyucan, Mexico.

Vol. iv, Dec. 1858.

43			vi	43	Lea. —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	Unio obtusus <i>Lea.</i>	
46	v	2	vi	46	anodontoides <i>Lea.</i>	
46	v	3	vi	46	multiplicatus <i>Lea.</i>	
46	v	4	vi	46	rutilans <i>Lea.</i>	
47	v	5	vi	47	penicillatus <i>Lea.</i>	
47	v	6	vi	47	securis <i>Lea.</i>	
47	v	7	vi	47	retusus <i>Lea.</i>	
47	v	8	vi	47	Pratii <i>Lea.</i>	
47	v	9	vi	47	spatulatus <i>Lea.</i>	
47	v	10	vi	47	luteolus <i>Lam.</i>	

JOURN. A. N. Sc. Vol. iv, 1858.			Obs.	Name.	Locality.
Pa.	Pl.	Fig.	V. Pa.		
47	v	11	vi 47	Unio rectus <i>Lam.</i>	
47	v	12	vi 47	phaseolus <i>Hldr.</i>	
47	v	13	vi 47	occidens <i>Lea.</i>	
47	v	14	vi 47	Novi-Eboraci <i>Lea.</i>	
47	v	15	vi 47	ovatus <i>Say.</i>	
47	v	16	vi 47	Woodwardianus <i>Lea.</i>	
47	v	17	vi 47	multiradiatus <i>Lea.</i>	
48	v	18	vi 47	ligamentinus <i>Lam.</i>	
48	v	19	vi 48	triangularis <i>Barnes.</i>	
48	v	20	vi 48	radiatus <i>Lam.</i>	
48	v	21	vi 48	perplexus <i>Lea.</i>	
48	v	22	vi 48	undulatus <i>Barnes.</i>	
48	v	23	vi 48	pressus <i>Lea.</i>	
48	v	24	vi 48	lævissimus <i>Lea.</i>	
48	v	25	vi 48	alatus <i>Say.</i>	
48	v	26	vi 48	Margaritana rugosa <i>Lea.</i>	
49	v	27	vi 49	marginata <i>Lea.</i>	
49	v	28	vi 49	triangulata <i>Lea.</i>	
49	v	29	vi 49	complanata <i>Lea.</i>	
49	v	30	vi 49	deltoides <i>Lea.</i>	
49	v	31	vi 49	Hildrethiana <i>Lea.</i>	
49	v	32	vi 49	Anodonta Lewisii <i>Lea.</i>	
49	v	33	vi 49	ovata <i>Lea.</i>	
49	v	34	vi 49	decora <i>Lea.</i>	
50	v	35	vi 50	Ferussaciana <i>Lea.</i>	
50	v	36	vi 50	imbecilis <i>Say.</i>	
50	v	37	vi 50	edentula <i>Lea.</i>	
50	v	38	vi 50	undulata <i>Say.</i>	
50	v	39	vi 50	Unio subangulatus <i>Lea.</i>	
[The localities of the specimens from which the dissections are made are given also.—W. G. B.]					
51			vi 51	Lea. —New Unionidae of the United States.	
51	vi	34	vi 51	Unio Abbevillensis <i>Lea.</i>	Abbeville Dis., S. C.
52	vi	35	vi 52	Jamesianus <i>Lea.</i>	Jackson, Miss.
53	vi	36	vi 53	subgibbosus <i>Lea.</i>	Oostanaula and Etowa rivers, Ga.
54	vii	37	vi 54	Elliottii <i>Lea.</i>	Othealooa cr., Ga.
56	viii	38	vi 56	gracilior <i>Lea.</i>	Buckhead creek, To- besaufke cr., Ga.
57	viii	39	vi 57	pullatus <i>Lea.</i>	Columbus, Ga.
58	viii	40	vi 58	favosus <i>Lea.</i>	Othealooa cr., Ga.

JOURN. A. N. Sc. Vol. iv, 1858.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
59	ix	41	vi	59	Unio rutilans <i>Lea.</i>	Othcalooga cr. Ga., and Columbus.
60	ix	42	vi	60	errans <i>Lea.</i>	Tobesaufke cr., Ga.
61	ix	43	vi	61	vicinus <i>Lea.</i>	Swift creek, Ga.
62	x	44	vi	62	subellipsis <i>Lea.</i>	Columbus, Ga.
63	x	45	vi	63	geminus <i>Lea.</i>	Buckhead creek, Ga.
64	x	46	vi	64	rostriformis <i>Lea.</i>	Swift creek, Ga.
65	xi	47	vi	65	Blandianus <i>Lea.</i>	Othcalooga cr., Ga.
66	xii	48	vi	66	concestator <i>Lea.</i>	Columbus, Ga.
67	xii	49	vi	67	extensus <i>Lea.</i>	Dry creek, Ga.
69	xii	50	vi	69	pyriformis <i>Lea.</i>	Columbus, Ga.
70	xiii	51	vi	70	rubellinus <i>Lea.</i>	Othcalooga cr. Ga., and Ala. [and Ala.
71	xiii	52	vi	71	excavatus <i>Lea.</i>	Othcalooga cr. Ga.,
72	xiii	53	vi	72	umbrans <i>Lea.</i>	Othcalooga cr. Ga.
74	xiv	54	vi	74	Othcaloogensis <i>Lea.</i>	Othcalooga cr. Ga., and Ala.
75	xiv	55	vi	75	Columbensis <i>Lea.</i>	Columbus, Ga.
76	xiv	56	vi	76	apicinus <i>Lea.</i>	Othcalooga cr., Ga.
77	xv	57	vi	77	intercedens <i>Lea.</i>	Columbus, Ga.
78	xv	58	vi	78	pinguis <i>Lea.</i>	St. Peter'sr., U. Miss.
79	xv	59	vi	79	fallax <i>Lea.</i>	Columbus, Ga., Fr. Broad riv., Tenn. Georgia.
80	xvi	60	vi	80	virens <i>Lea.</i>	Georgia.
81	xvi	61	vi	81	Savannahensis <i>Lea.</i>	Ga., Santee can. S.C., Sugar creek, N. C., Uchee Bar, Ga.
82	xvi	62	vi	82	sublatus <i>Lea.</i>	Uchee Bar, Ga.
83	xvii	63	vi	83	tenebricus <i>Lea.</i>	Etowah river, Ga.
84	xvii	64	vi	84	obnubilus <i>Lea.</i>	Buckhead cr., Ga.
85	xvii	65	vi	85	rufus <i>Lea.</i>	Etowah river, Ga.
86	xviii	66	vi	86	opacus <i>Lea.</i>	Buckhead cr., Ga.
87	xviii	67	vi	87	viridicatus <i>Lea.</i>	Buckhead cr., Ga.
88	xviii	68	vi	88	fumatus <i>Lea.</i>	Columbus, Ga., Hos- paliga cr., Ala.
89	xix	69	vi	89	æquatus <i>Lea.</i>	Buckhead cr., Ga.
90	xix	70	vi	90	subflavus <i>Lea.</i>	Walnut creek, Ga.
91	xix	71	vi	91	similis <i>Lea.</i>	Buckhead cr., Ga.
92	xx	72	vi	92	aquilus <i>Lea.</i>	Flint and Chatta- hoochee rivs., Ga.
93	xx	73	vi	93	Maconensis <i>Lea.</i>	Flint river, Ga.
94	xx	74	vi	94	naviculoides <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	Lea. —The same continued. (Journ. A. N. Sc. Philada., vol. iv, pt. 2. Sept. 1859. Obs. vol. vii, pt. 1.)	
191	xxi	75	vii 9	Unio bulbosus <i>Lea.</i>	Flint river, Ga.
192	xxi	76	vii 10	Plantii <i>Lea.</i>	Flint river, Ga.
194	xxi	77	vii 12	sudus <i>Lea.</i>	Columbus & Macon, Ga.
195	xxii	78	vii 13	tetricus <i>Lea.</i>	Flint river, Ga. [Ga.]
196	xxii	79	vii 14	subniger <i>Lea.</i>	Flint river, Ga.
197	xxii	80	vii 15	obfuscus <i>Lea.</i>	Flint river, Ga.
198	xxiii	81	vii 16	purpurellus <i>Lea.</i>	Flint river, Ga.
199	{ xxiii xxix }	{ 82 103 }	vii 17	Woodwardianus <i>Lea.</i>	Cass co., Ga.
200	xxiii	83	vii 18	denigratus <i>Lea.</i>	Columbus, Ga.
201	xxiii	84	vii 19	radians <i>Lea.</i>	Othcalooga cr., Ga.
203	xxiii	85	vii 21	penicillatus <i>Lea.</i>	Chattahoochee and Flint rivers.
204	xxiv	86	vii 22	modicus <i>Lea.</i>	Chattahoocheer. Ga.
205	xxiv	87	vii 23	Boswellensis <i>Lea.</i>	Chattahoocheer. Ga.
206	xxiv	88 88 ^a	vii 24	Prattii <i>Lea.</i>	Chattahoocheer. Ga.
208	xxv	89	vii 26	spissus <i>Lea.</i>	Satilla river, Ga.
209	xxv	90	vii 27	Chattanoogaensis <i>Lea.</i>	Chattanooga, Ten., Etowah, Coosawat- te, Oostenanla riv.
210	xxv	91	vii 28	Downiei <i>Lea.</i>	Buck Lake, Ga.
211	xxvi	92	vii 29	Hazlehurstianus <i>Lea.</i>	Satilla river, Ga.
212	xxvi	93	vii 30	Neislerii <i>Lea.</i>	Flint r., Macon, Ga.
214	xxvi	94	vii 32	Postellii <i>Lea.</i>	Randall's and Car- ter's creek, Ga.
215	xxvii	95	vii 33	Burkensis <i>Lea.</i>	Buckhead cr., Ga.
216	xxvii	96	vii 34	Satillaensis.	Satilla river, Ga.
217	xxvii	97	vii 35	corvus <i>Lea.</i>	Buckhead creek and Ogeechee riv., Ga.
218	xxviii	98	vii 36	compactus <i>Lea.</i>	Etowah and Conna- sauga rivs., Ga.
219	xxviii	100	vii 37	fibuloides <i>Lea.</i>	Connasauga r., Ga.
220	xxix	101 101 ^a	vii 38	phaseolus <i>Hldr.</i>	Anatomy.
221	xxix	102 102 ^a	vii 39	parvus <i>Barnes.</i>	Anatomy.
222	xxx	105	vii 40	multiplicatus <i>Lea.</i>	Anatomy.
				<i>U. heros</i> Say?	
				<i>U. undulatus</i> Say.	
223	xxx	106	vii 41	stramineus <i>Conr.</i>	Anatomy.

JOURN. A. N. Sc. Vol. iv, 1859.			Obs.	Name.	Locality.
Pa.	Pl.	Fig.	V. Pa.		
224	xxx	107	vii 42	Unio ventricosus <i>Barnes.</i>	Anatomy.
224	xxix	104	vii 42	Margaritana margaritifera <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	xxx1	108	vii 44	Elliottii <i>Lea.</i>	Chattahoochee r. Ga.
227	xxx1	110	vii 45	Etowahensis <i>Lea.</i>	Tenn., Etowaha, Ga.
228	xxxii	111	vii 46	triangulata <i>Lea.</i>	Ga. and S. C.
229	xxxii	113	vii 47	Connasaugaensis <i>Lea.</i>	Connasauga r. Ga., Tennessee.
230	xxviii	99	vii 48	Anodonta Darlensis <i>Lea.</i>	Hopeton, &c. Ga.
231	xxx1	109	vii 49	Gesnerii <i>Lea.</i>	Uphaupes cr., Ala.
232	xxxii	112	vii 50	Hallenbeckii <i>Lea.</i>	Uphaupes 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, 1857.¹

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** Sow.
15 **ovata** Sowb.
16 **Saxicava arctica** Linn.
? *S. sordida* Sowb.
? *S. Cordieri* Gould.
S. solida.
S. distorta Say.
S. pholudis.
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.

¹ This is the date of the title. Each signature bears a date, commencing with July, 1855.

[Carpenter, Mazatlan Shells.]

Page.		Page.	
30	Cumingia trigonularis Sowb. <i>Lavignon triangularis</i> Gr.	42	? Iphigenia lævigata . <i>Capsa lævigata</i> .
30	Californica Conrad.	43	Donax carinatus Hanley.
31	— (sp. ined.) [Desh.]	43	culminatus Carp.
31	Sanguinolaria purpurea ? <i>Tellina minuta</i> Gould.	44	transversus Sowb.
32	Tellina rufescens Ch. <i>T. operculata</i> Gmel. <i>cruenta</i> Sol. <i>opercularis</i> Sowb.	44	assimilis Hanley.
32	Broderipii Desh.	44	punctato-striatus Hanley. <i>D. radiatus</i> Val. ? <i>flexuosus</i> Gould.
33	Mazatlanica Desh.	46	punctato-striatus var. <i>cælatus</i> .
33	Dombeyi Hanley.	47	Conradi Desh. <i>D. contusus</i> Rve. <i>Californicus</i> Conrad. <i>culter</i> Hanley.
34	felix Hanley.	50	navicula Hanley.
34	straminea Desh.	50	Mactra exoleta Gr.
34	donacilla Carp.	51	(spissula) fragilis Chemn. <i>M. ovalina</i> Lam. <i>Brasiliana</i> Lam. <i>oblonga</i> Say.
35	punica 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	angulata Gr. (<i>Mulinia</i> .)
36	? Cumingii Hanley.	52	Gnathodon trigona Pet. (<i>Rangia</i> .) [Carp.]
36	? eburnea Hanley.	54	? Clementia gracillima
36	? regularis Carp.	54	Trigona radiata Sowb. <i>Cytherea radiata</i> . <i>Venus Solangensis</i> . <i>T. Byronensis</i> Gr. <i>Cytherea corbicula</i> Mke. ? <i>semifulva</i> Mke. ? <i>gracilior</i> Sowb. ? <i>Hindi</i> Hanley. ? <i>intermedia</i> Sow.
Sept. 1855.			
37	lamellata Carp.	57	humilis Carp.
37	? ? puella C. B. Adams.	58	argentina Sowb. (<i>Cytherea</i>).
37	? ? delicatula Desh.	58	? ? crassatelloides Cour. <i>Cytherea crassatelloides</i> Hanley.
38	brevirostris Desh.		
38	? denticulata Desh.		
38	— (sp. ined.)		
38	— (sp. ined.)		
39	Burneti Br. and Sowb. <i>Lucina cristata</i> Recl.	59	planulata Br. and Sowb. <i>Cytherea planulata</i> . <i>Venus planulata</i> . <i>Cytherea undulata</i> Sowb.
39	Strigilla (Tellina) carnaria L. <i>Cardium carneosum</i> D. Cos. <i>Lucina carnaria</i> Lam. ? <i>S. miniata</i> Gould.		
41	? lenticula Phil. <i>Tellina lenticula</i> Phil.		
41	— (sp. ined.)		
42	Iphigenia altior 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 | Dione circinata Born. |
| 60 | Dosinia? <i>ponderosa</i> 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 | Annæ Carp. | | <i>circinata</i> Sowb. |
| 61 | Dunkeri Phil. | 69 | concinna Sowb. |
| | <i>Cytherea Dunkeri</i> Phil. | | <i>Cytherea concinna</i> . |
| | <i>Artemis Dunkeri</i> Rve. | 70 | Cytherea petechialis Lam. |
| | <i>simplex</i> Hanley. | | <i>Meretrix petichialis</i> Enc. M. |
| | <i>D. simplex</i> Desh. | 71 | Venus (Chione) gnidia Br. |
| | <i>Cytherea Pacifica</i> Trosch. | 72 | amathusia Phil. [and Sowb. |
| 62 | Cyclina subquadrata 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 succata</i> Gould. | Oct. 1855. | |
| | <i>Cyclina succata</i> Desh. | 73 | —— (sp. ined.) |
| 63 | Dione aurantia Hanley. | 74 | (? Chione) <i>distans</i> Phil. |
| | <i>Cytherea aurantia</i> Hanley. | 74 | (Chione) <i>crenifera</i> Sowb. |
| | <i>Chione aurantia</i> Gr. | | ? <i>Venus elevata</i> Say. |
| | <i>Cytherea aurantiaca</i> Sowb. | | ? <i>radiata</i> Ch. |
| 64 | chionæa Mke. | | <i>portesianna</i> Orb. |
| | <i>Cytherea chionæa</i> Mke. | 75 | ? undatella Sowb. |
| | <i>squalida</i> Sowb. | 75 | Columbiensis Sowb. |
| | <i>Chione squalida</i> Gr. | 76 | —— (sp. ined.) |
| | <i>Venus squalida</i> . | 76 | Tapes histrionica 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 | grata Say. |
| | ? <i>elegans</i> Koch. | | <i>Venus grata</i> Say. |
| 66 | rosea 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 | lupinaria 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 | squamosa Carp. [Sowb. |
| | <i>Cytherea dione</i> (var.) Brod. | 79 | Anomalocardia subrugosa |
| | <i>semilamellosa</i> Gd. | | <i>Venus subrugosa</i> Sowb. |
| 68 | ? vulnerata Brod. | | <i>Cytherea subsulcata</i> Mke. |
| | <i>Cytherea vulnerata</i> . | 80 | subimbricata Sowb. |
| 69 | ? brevispinosa Sowb. | | <i>Venus subimbricata</i> Sowb. |

[Carpenter, Mazatlan Shells.]

Page.		Page.	
81	<i>Circe margarita</i> Carp.	101	? <i>Lucina eburnea</i> Rve.
82	<i>subtrigona</i> Carp.	101	— (sp. ined.)
83	<i>Gouldia pacifica</i> C. B. Ad.	101	? <i>Fimbria</i> — (sp. ined.)
83	<i>varians</i> Carp.	102	<i>Diplodonta semiaspera</i> ?
84	<i>Cardita Californica</i> Desh.		<i>Phil.</i>
	<i>C. affinis</i> Mke.		? <i>Lucina orbella</i> Gould.
			? <i>semireticulata</i> .
			? <i>calata</i> Rve.
Nov. 1855.			
85	<i>Venericardia</i> — (sp. ined.)		
86	<i>Trapezium</i> — (sp. ined.)	103	? <i>semiaspera</i> .
87	<i>Chama frondosa</i> Br.		var. <i>discrepans</i> .
	var. <i>Mexicana</i> .	103	<i>obliqua</i> <i>Phil.</i>
89	var. <i>fornicata</i> .	104	? <i>serricata</i> Rve.
90	<i>spinosa</i> Br.		<i>Lucina serricata</i> Rve.
90	? <i>exogyra</i> Conrad.		<i>Cyrenoidea serricata</i> Carp.
91	<i>Cardium</i> (<i>Lævicardium</i>)	105	<i>Kellia suborbicularis</i> Mont.
	<i>elatum</i> Sowb.		<i>Mya suborbicularis</i> Mont.
91	<i>procerum</i> Sowb.		<i>Tellina suborbicularis</i> Turt.
93	? <i>senficosum</i> Sowb.		<i>Petricola suborbicularis</i> Gr.
	<i>C. rastrum</i> Rve.		<i>Tellinmya suborbicularis</i> Br.
	? <i>C. muricatum</i> Mke.		<i>tenuis</i> Brown.
93	— (sp. ined. a.)		<i>lactea</i> Brown.
94	— (sp. ined. b.)		<i>Erycina Geoffroyii</i> Payr.
94	— (sp. ined. c.)		<i>Amphidesma physoides</i> Lam.
94	— (sp. ined. d.)		<i>Bornia inflata</i> Phil.
94	— (sp. ined. e.)	108	<i>Lasea</i> ? <i>rubra</i> Mont.
94	— (sp. ined. f.)		<i>Cardium rubrum</i> Mont.
94	<i>alabastrum</i> Carp.		<i>Tellina rubra</i> Turt.
95	<i>graniferum</i> Br. and Sowb.		<i>Kellia rubra</i> Turt.
95	— (sp. ined. g.)		<i>Poronia rubra</i> Récl.
96	<i>Lucina</i> (<i>Codakia</i>) <i>tigerina</i>		<i>Petricola rubra</i> Gray.
	<i>Venus tigrina</i> Linn. [Linn.]		<i>Bornia semilunum</i> Phil.
	<i>Cytherea tigrina</i> Lam.		<i>Erycina violacea</i> Scacchi.
97	?? <i>punctata</i> Linn.		<i>Cycladina Adansonii</i> Cant.
	<i>Venus punctata</i> Linn.		<i>Cyelas australis</i> Lam.
	<i>Cytherea punctata</i> Lam.		<i>Amphidesma nucleola</i> Lam.
97	? <i>annulata</i> Rve.		<i>Autonœ rubra</i> Leach.
98	? <i>muricata</i> Chemn.	Dec. 1855.	
98	<i>excavata</i> Carp.	109	<i>trigonalis</i> Carp.
98	— (sp. ined.)	109	? <i>oblonga</i> Carp.
98	<i>pectinata</i> Carp.	110	<i>Lepton Clementinum</i> Carp.
99	<i>cancellaris</i> Phil.	111	<i>Dionæum</i> Carp.
99	<i>Mazatlanica</i> Carp.	111	<i>umbonatum</i> Carp.
100	<i>prolongata</i> Carp.	111	(<i>placunoideum</i> C. W. Ind.)
101	— (sp. ined.)	112	<i>Pythina sublævis</i> Carp.

[Carpenter, Mazatlan Shells.]

- | Page. | | Page. | |
|------------|--|------------|--|
| 113 | Montacuta elliptica <i>Carp.</i> | 129 | Lithophagus aristatus |
| 113 | <i>subquadrata</i> <i>Carp.</i> | | (var.) <i>gracilior.</i> |
| 114 | — (sp. ined.) | 129 | var. <i>tumidiior.</i> |
| 114 | Cyrena olivacea <i>Carp.</i> [Phil. | 129 | <i>cinnamomeus</i> <i>Chemn.</i> |
| | <i>C. Fontainei</i> <i>Desh.</i> nec | | <i>Mytilus cinnamomeus</i> <i>Ch.</i> |
| 115 | Mexicana <i>Br. and Sowb.</i> | | <i>Modiola cinnamomea</i> <i>Lam.</i> |
| | <i>C. varians</i> <i>Carp.</i> | | <i>Lithodomus cinnamomeus.</i> |
| | <i>atilis</i> <i>Gould.</i> | | <i>Lithophagus cinnamomeus</i> |
| | <i>fragilis</i> <i>Desh.</i> | | <i>Dunk.</i> |
| | ? <i>Floridana</i> <i>Conrad.</i> | 130 | Leiosolenus spatiosus <i>Car.</i> |
| 117 | Anodonta ciconia <i>Gould.</i> | 131 | — (sp. ined.) |
| | <i>A. sinuata</i> <i>Swainson.</i> | 132 | Arca grandis <i>Br. and Sowb.</i> |
| 118 | Mytilus palliopunctatus | Feb. 1856. | |
| 118 | <i>multiformis</i> <i>Dunk.</i> [<i>Dunk.</i> | 134 | <i>multicostata</i> <i>Sowb.</i> |
| 120 | Septifer Cumingii <i>Récluz.</i> | 134 | ? <i>labiata</i> <i>Sowb.</i> |
| 121 | Modiola capax <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. hemiscardium</i> <i>Koch.</i> |
| 121 | Brasiliensis <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 | Byssoarca pacifica <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 | Crenella coarctata <i>Dunk.</i> | 140 | <i>fusca</i> <i>Brug.</i> |
| 124 | Lithophagus attenuatus | | <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 | Pectunculus inæqualis <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	Nucula ? exigua Sowb.	March, 1856.
145	Leda ? Elenensis Sowb. <i>Nucula Elenensis</i> Sowb.	157 Ostrea iridescens Gray. <i>O. (sp. ined. b.)</i> C. B. Ad. <i>O. rufa</i> (pars.?) Gould.
146	Pinna maura Sowb.	159 Virginica Gmel. <i>O. rostrata</i> , &c. Ch. <i>elongata</i> Sol. <i>crassa</i> Ch.
147	lanceolata Sowb.	<i>Gryphaea 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	? rugosa Sowb.	161 Columbiensis Hanley.
148	Avicula sterna Gould. <i>A. Atlantica</i> Mke.	161 conchaphila Carp.
149	Margaritiphora Mazatlanica Hanley. <i>Meleagrina Mazatlanica</i> Hanley.	163 conchaphila ? (var.) pal- 164 ——— (sp. ined.) [mula.
150	Isognomon Chemnitzia- num d'Orb. <i>Perna Chemnitziana</i> d'Orb. <i>flexuosa</i> Sowb.	164 Placunanomia pernoides 166 foliata Br. [Carp. <i>P. echinata</i> Br. <i>pectinata</i> Br.
151	Janus Carp.	166 claviculata Carp.
152	Pecten circularis Sowb.	167 Anomia lampe Gr.
152	Spondylus calcifer Carp. <i>S. Lamarekii</i> Hanl., &c. ?	169 ——— (sp. ined.)
155	——— (sp. ined.)	
155	Plicatula penicillata Carp. <i>P. dubia</i> (var.) Sowb.	

CLASS GASTEROPODA.

Sub-class Opisthobranchiata.

Page.		Page.
170	Cyliclona luticola C. B. Ad. <i>Bulla (Cyl.) luticola</i> C. B. A. <i>Haminea luticola</i> H. & A. A.	171 Tornatina carinata Carp.
171	Tornatina infrequens <i>C. B. Adams.</i> <i>Bulla (Torn.) infrequens</i> C. B. Adams. <i>Bulla (Torn.) gracilis</i> Mke	172 Bulla Adamsi Mke. 173 ? nebulosa Gould. 173 ? Quoyii Gray. 173 exarata Carp. 174 ——— (sp. ined.) 174 Haminea cymbiformis Ca.

Sub-class Pulmonata.

Page.		Page.
175	Glandina Albersi Pfr. <i>Achatina Albersi</i> Pfr.	175 Glandina turris Pfr. (Ach.) <i>Acicula turris</i> H. & A. Ad. <i>Gl. Albersi</i> (var.) <i>turrita</i> C.

[Carpenter, Mazatlan Shells.]

- | Page. | | Page. | |
|-------|--|-------|--|
| 176 | Orthalicus zebra 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>Bulinus melanocheilus</i> Val.
<i>Orthalicus vivens</i> Beck.
<i>Bulinus zig-zag</i> Lam.
<i>princeps</i> Brod.
<i>Helix princeps</i> Orb.
<i>Orthalicus princeps</i> Beck.
<i>Achatina pulchella</i> Spix. | 177 | Orthalicus ? Mexicanus
<i>Lam.</i>
<i>Bulinus Mexicanus</i> Lam.
<i>Leiostracus Mexicanus</i> H.
<i>Helix vittata</i> Fer. [& A. Ad. |
| 177 | Ziegleri Dfr.
<i>B. Ziegleri</i> Pfr.
<i>Leiostracus Ziegleri</i> H. and
A. Adams. | 178 | Melampus olivaceus Carp. |
| | | 179 | Aplexa aurantia Carp.
<i>Physa Peruviana</i> Mke. non |
| | | 180 | elata Gould. [Gr.
<i>P. elata</i> Gould. |
| | | | April, 1856. |
| | | 181 | Planorbis tumens Carp.
<i>Pl. affinis</i> Carp. non C. B.
<i>tenagophilus</i> Mke. [Ad. |
| | | 182 | Siphonaria Lecanium Phil. |
| | | 183 | var. palmata . |
| | | 184 | æquilirata Carp. |
| | | 184 | —— (sp. ined.) |

Sub-class **Prosobranchiata.**

- | Page. | | Page. | |
|-------|---|-------|--|
| 185 | Janthina striulata . | 198 | Acanthochites Arragon-
ites Carp. |
| 186 | var. contorta . | 199 | Patella Mexicana Br. and
<i>Lottia gigantea</i> . [Sowb.
<i>P. maxima</i> . |
| 187 | decollata . | 200 | pediculus Phil.
<i>P. corrugata</i> Rve. |
| 188 | Dentalium liratum Carp. | 201 | discors Phil. |
| 188 | hyalinum Phil. | 202 | Nacella —— (sp. ined.) |
| 189 | corrugatum Carp. | 203 | Acmaea mesoleuca Mke.
<i>A. mutabilis</i> Mke.
<i>Patella diaphana</i> Rve.
<i>Lottia patina</i> C. B. Ad.
<i>P. personoides</i> (pars?) Midd.
<i>ærginosa</i> ? Midd.
<i>L. pintadina</i> Gld. (pars.) |
| 189 | ? pretiosum Nutt. | | May, 1856. |
| 190 | Lophyrus articulatus Sowb.
<i>Chiton articulatus</i> Sowb. | 205 | fascicularis Mke.
<i>A. mutabilis</i> (pars.)
<i>Patella opea</i> Rve.
<i>discors</i> Carp. |
| 191 | albolineatus Br. and Sowb.
<i>Chiton albolineatus</i> . | 207 | patina Esch. |
| 192 | striatosquamosus Carp. | | |
| 193 | ? Tonicia Forbesii Carp. | | |
| 194 | Lepidopleurus sanguineus
[Rve.
<i>Chiton sanguineus</i> Rve. | | |
| 195 | clathratus Carp. | | |
| 195 | bullatus Carp. | | |
| 196 | var. calciferus . | | |
| 196 | Mac Andrei Carp. | | |
| 197 | Beanii Carp. | | |
| 198 | Chiton flavescens Carp. | | |

[Carpenter, Mazatlan Shells.]

Page.		Page.	
	<i>A. scutum</i> Esch.		<i>Cremides Peruviana</i> H. and [A. Adams.
	<i>P. mammillata</i> Nutt.	219	Fissurella spongiosa Carp.
	<i>tessellata</i> Nutt.	220	Glyphis inæqualis Sowb.
	<i>fenestrata</i> Nutt.		<i>Fissurella inæqualis</i> Sowb.
	<i>verriculata</i> Rve.		<i>Lucapina inæqualis</i> H. & A.
	<i>cinis</i> Rve.		<i>Fissurella pica</i> Sowb. [Ad.
	<i>Nuttalliana</i> Rve.		<i>Lucapina pica</i> H. & A. Ad.
	? <i>Cumingii</i> Rve.	221	alta C. B. Adams.
	<i>diaphana</i> Nutt.		<i>Fissurella alta</i> C. B. Ad.
208	<i>L. pintadina</i> Gld. (pars.)		<i>Lucapina alta</i> H. & A. Ad.
	Acmæa persona Esch.	222	Rimula Mazatlanica Carp.
	<i>A. radiata</i> Esch.	223	Callopoma (Turbo) fluctuosum Mawe.
	<i>anceylus</i> Esch.		<i>Trochus Fokkesii</i> Jonas.
	<i>scutum</i> D'Orb.	224	Phasianella perforata Phil.
	<i>Lottia punctata</i> Gr.	225	var. <i>striulata</i> .
	<i>Patella Oregona</i> Nutt.	225	compta Gould. [Beck.
	<i>umbonata</i> Nutt.	226	Bankivia varians (junior)
209	<i>pileata</i> Nutt.		<i>Phasianella fuscata</i> Mke.
210	scabra Nutt.		<i>undatella</i> Mke.
	mitella Mke.		<i>fulminata</i> Mke.
	<i>P. navicula</i> Rve. [Carp.	227	Uvanilla (Imperator) olivacea Mawe.
211	Scutellina navicelloides		<i>Trochus olivaceus</i> Gr.
212	Gadinia pentagoniostoma		<i>Imperator olivaceus</i> Carp.
	Sowb. [Sowb.		<i>U. olivacea</i> H. and A. Ad.
	<i>Siphonaria pentagoniostoma</i>		<i>Trochus brevispinosus</i> Val.
213	Fissurella virescens Sowb.		<i>erythrophthalmus</i> Phil.
215	Barbadensis Gmel.		? <i>Melchersi</i> Mke.
	<i>Patella Barbadensis</i> Gmel.	June, 1856.	
	<i>perforata</i> Gmel.	229	inermis Gmel.
	<i>rosea</i> Gmel.		<i>Trochus inermis</i> Gmel.
	<i>porphyrozonias</i> Gm.		<i>olivaceus</i> Phil. non
	<i>Cremides Barbadensis</i> H.	229	unguis Mawe. [Gray.
215	rugosa Sowb. [and A. Ad.		<i>Trochus unguis</i> Mawe.
	<i>Cremides rugosa</i> H. & A. Ad.		<i>Turbo unguis</i> Desh.
	<i>F. chlorotrema</i> Mke.		<i>digitatus</i> Desh.
	<i>humilis</i> Mke.		<i>Trochus amictus</i> Val.
	<i>viminea</i> Mke.		? <i>stellaris</i> Mke.
	<i>virescens</i> (jun.) Carp.	231	Trochus versicolor Mke.
217	nigrocincta Carp.		? <i>Ziziphinus Californicus</i>
217	— (sp. ined.)	232	Mac Andreæ Carp. [A. Ad.
218	alba Carp.		
219	Peruviana Lam.		
	<i>F. subrotundata</i> Desh.		
	<i>affinis</i> (var.)		

[Carpenter, Mazatlan Shells.]

Page.		Page.	
233	Omphalius ? rugosus (var.) <i>rufotinctus</i> . ? <i>Chlorostoma rugosum</i> A.	251	Ethalia pyricalloso <i>Carp.</i>
234	viridulus <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	<i>lirulata</i> <i>Carp.</i>
235	Omphalius ligulatus <i>Mke.</i> <i>Trochus ligulatus</i> Mke. ? <i>Phorcus Californicus</i> A. Adams. <i>O. Californicus</i> H. & A. Ad. <i>Trochus magus</i> , &c. &c.	252	<i>pallidula</i> <i>Carp.</i>
236	globulus <i>Carp.</i> <i>Trochus glomus</i> Mke.	252	<i>carinata</i> <i>Carp.</i>
238	Vitrinella Panamensis C.	June, 1856.	
238	parva C. B. Ad. [B. Ad. <i>V. clathrata</i> <i>Carp.</i>	253	amplectans <i>Carp.</i> [<i>Carp.</i>
239	decussata <i>Carp.</i>	253	Teinostoma amplectans
240	monile <i>Carp.</i>	254	<i>substriatum</i> <i>Carp.</i>
240	monilifera <i>Carp.</i>	254	Trochus — (sp. ined.)
241	lirulata <i>Carp.</i>	255	Nerita scabricosta <i>Lam.</i> <i>N. ornata</i> Sowb. <i>Deshayesii</i> Récl. <i>multijugis</i> Mke. <i>Pila multijugis</i> H. & A. Ad. <i>ornata</i> H. & A. Ad. <i>scabricosta</i> H. & A. Ad.
241	subquadrata <i>Carp.</i>	257	Bernhardi Récl. <i>N. funiculata</i> Mke. <i>N.</i> — (sp. ined. a.) C. B. Adams. <i>Theliostyla Bernhardi</i> H. and A. Adams.
241	biflora <i>Carp.</i>	258	Neritina cassiculum Sowb.
242	bifrontia <i>Carp.</i>	259	<i>picta</i> Sowb. <i>Vitta picta</i> H. and A. Ad.
243	perparva C. B. Adams. var. nodosa . <i>V. nodosa</i> <i>Carp.</i>	262	Vanikoro cryptophila <i>Carp.</i>
243	exigua C. B. Adams.	264	Trochita ventricosa <i>Carp.</i>
244	coronata <i>Carp.</i>	July, 1856.	
245	? annulata <i>Carp.</i>	265	Galerus conicus <i>Brod.</i> <i>Calyptrea (Siphopatella)</i> <i>conica</i> Brod.
245	cincta <i>Carp.</i>	266	mamillaris <i>Brod.</i> <i>Calyptrea (Siphopatella)</i> <i>mamillaris</i> . <i>C. regularis</i> C. B. Ad. <i>Lamarckii</i> Mke. ? <i>lichen</i> Brod. <i>G. lichen</i> H. and A. Ad.
246	carinulata <i>Carp.</i>	268	Crepidula aculeata <i>Gmel.</i> <i>Patella oculcata</i> <i>Gmel.</i> <i>fornicata</i> , &c. Ch. <i>La Retorte Epineuse</i> Fav. <i>Crepidatella aculeata</i> H. & A. Adams.
246	? naticoides <i>Carp.</i>		
246	? planospirata <i>Carp.</i>		
247	? orbis <i>Carp.</i>		
248	? Liottia carinata <i>Carp.</i>		
248	? striulata <i>Carp.</i>		
249	?? C. B. Adamsii <i>Carp.</i>		
249	? — (sp. ined.)		
250	? Globulus tumens <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	Crepidula onyx 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>Crepidatella hepatica</i> H. & A. Adams.
272	Crepidula dilatata Lam.		<i>Calyptrea amygdulus</i> Val.
	[A. Ad.		<i>Crepidula contorta</i> Mke.
	<i>Crepidatella dilatata</i> H. &	280	nivea C. B. Adams.
	<i>Crepidula depressa</i> Desh.		<i>Crypta nivea</i> H. & A. Ad.
	<i>Peruviana</i> Lam.		<i>Calyptrea squama</i> Br.
	<i>Crypta Peruviana</i> H.&A.A.		<i>Crepidula squama</i> Lam.
	<i>patula</i> H. & A. A.		<i>Ianacus squama</i> H. & A. A.
	<i>Crepidula patula</i> Desh.		<i>Crepidula Goreensis</i> Mke.
	<i>Adolphei</i> Less.		<i>striolata</i> Mke.
	<i>Crepidatella Adolphei</i> H. & A. Adams.		<i>Lessonii</i> Br.
	<i>Crepidula Nautiloides</i> Less.		<i>Ianacus Lessonii</i> H. & A. A.
	<i>striata</i> Lam.		<i>unguiculus</i> Sowb.
	<i>Calyptrea striata</i> Br.		<i>Crepidula unguicula</i> Br.
	<i>Crepidatella striata</i> H. & A. Adams.		<i>Patagonica</i> Br.
	<i>pallida</i> Br.	284	? unguiformis 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. [A.I.
273	? dorsata Br. (var.) bilobata .		<i>Ianacus unguiformis</i> H. & A.
	<i>Calyptrea dorsata</i> Br.	287	Crucibulum imbricatum
274	excavata Brod.		Sowb.
	<i>Calyptrea excavata</i> Br.		<i>Calyptrea imbricata</i> Sowb.
275	adunca Sowb.		<i>Crucibulum scutellatum</i> Gr.
	<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	incurva Brod.	290	spinosum Sowb.

Page.		Page.
	<i>Calyptrea spinosa</i> Sowb.	308
	<i>Patella Peziza</i> Wood.	309
	<i>Calyptrea tubifera</i> Less.	
	<i>Dispolia tubifera</i> Say.	315
	<i>Calyptrea auriculata</i> D'Or.	315
	<i>tennis</i> Br.	316
	<i>hispida</i> Br. [Ad.	317
	<i>Crucibulum hispida</i> H. & A.	317
	<i>maculatum</i> H. & A. A.	318
	<i>Calyptrea maculata</i> Br.	318
295	Calyptrea cepacea Br.	318
296	Hipponyx serratus <i>Carp.</i>	319
297	antiquatus Linn.	319
	<i>Patella antiquata</i> Linn.	319
	<i>Lepas alba</i> Mart.	320
	<i>Patella mitrula</i> Gmel.	320
	<i>nivea</i> Gmel.	
	<i>Le Soron</i> Adans.	
	<i>Pileopsis antiquata</i> F. & H.	
	<i>Concholepas antiquatus</i> H.	
	and A. Adams.	322
	<i>Pileopsis mitrula</i> Lam.	322
	<i>Capulus mitrula</i> Dunk.	322
	<i>Hipponice mitrale</i> Deifr.	323
	<i>Hipponyx Panamensis</i> C.	
	B. Ad. [A. Ad.	
	<i>Amalthea Panamensis</i> H. &	
298	planatus <i>Carp.</i>	Sept. 1856.
299	barbatus Sowb.	325
	? <i>H. australis</i> Mke.	326
299	(<i>Amalthea</i>) Grayanus Jk.	327
	<i>H. radiata</i> Gr.	328
300	Capulus — (sp. ined.)	329
301	Aletes centiquadrus Val.	329
	<i>Vermetus centiquadrus</i> Val.	330
	<i>Peronii</i> Val.	
302	var. imbricatus .	
303	margaritarum Val.	
	<i>Vermetus margaritarum</i> Val.	332
304	Vermetus eburneus Rve.	
305	? Bivonia contorta <i>Carp.</i>	
307	? var. indentata .	
307	albida <i>Carp.</i>	333
307	— (sp. ined. a.)	
		— (sp. ined. b.)
		Petalococonchus macro-
		phragma <i>Carp.</i>
		Cæcum insculptum <i>Carp.</i>
		subspirale <i>Carp.</i>
		abnormale <i>Carp.</i>
		obtusum <i>Carp.</i>
		liratocinctum <i>Carp.</i>
		var. tenuiliratum .
		var. subobsoletum .
		var. subconicum .
		heptagonum <i>Carp.</i>
		elongatum <i>Carp.</i>
		var. semilæve .
		subimpressum <i>Carp.</i>
		firmatum C. B. Adams.
		<i>C. eburneum</i> C. B. Ad.
		<i>monstruosum</i> C. B. Ad.
		<i>pygmaeum</i> C. B. Ad.
		<i>diminuatum</i> C. B. Ad.
		clathratum <i>Carp.</i>
		quadratum <i>Carp.</i>
		var. compactum .
		undatum <i>Carp.</i>
		? <i>C. parvum</i> C. B. Adams.
		Turitella goniostoma Val.
		<i>Haustator goniostoma</i> H. &
		A. Adams.
		<i>T. lentiginosa</i> Rve.
		<i>Hookeri</i> Mke.
		tigrina Kien.
		<i>Haustator tigrina</i> H. & A. A.
		<i>T. imbricata</i> Mke.
		Cerithium maculosum Kien.
		<i>C. adustum</i> Kien.
		<i>nebulosum</i> Sowb.

[Carpenter, Mazatlan Shells.]

Page.		Page.	
334	Cerithium ? famelicum <i>C.</i> <i>B. Adams.</i> <i>C. uncinatum</i> Sowb.	352	Modulus catenulatus Phil. <i>Trochus catenulatus</i> Küst. <i>M. trochiformis</i> Ey. & Soul. <i>Carchedonicus</i> Carp.
334	var. mediolæve. <i>C. unbonatum</i> Sowb.	353	—— (sp. ined.)
335	? uncinatum Gmel. <i>Murex uncinatus</i> Gmel. No. 198 Schr. <i>Strombus muricatus</i> &c. Sc. <i>C. famelicum</i> (pars.) C.B.A.	353	disculus Phil. <i>Trochus disculus</i> Phil. <i>M. duplicatus</i> (var.) A.Ad. <i>dorsuosus</i> Gould.
336	—— (sp. ined. a.)	354	Fossarus tuberosus Carp. ? <i>Trichotropis</i> (sp. 1.) [Carp.]
336	alboliratum Carp.	354	angulatus Carp.
337	—— (sp. ined. b.)	355	Isapis maculosa Carp.
337	stercus-muscarum Val. <i>C. irroratum</i> Gould. <i>occellatum</i> Mke.	356	—— (? sp. ined.)
338	interruptum Mke. ? <i>C.</i> — (sp. ined.) C.B.A.	356	Rissoina stricta Mke. <i>Rissoa stricta</i> Mke.
339	Vertagus gemmatus Hinds. <i>Cerithium gemmatum</i> Hds. <i>V. gemmatus</i> H. & A. Ad.	357	—— (sp. ined.)
340	—— (sp. ined.)	357	Woodwardii Carp.
341	Triforis alternatus C. B. Ad.	358	lirata Carp.
341	inconspicuus C. B. Ad.	359	Alvania excurvata Carp.
342	? infrequens C. B. Ad.	359	effusa Carp.
342	Cerithidea Montagnei D'O. <i>Cerithium Montagnei</i> D'Or. <i>Reeveanum</i> C. B. A.	360	tumida Carp.
344	varicosa Sowb. (var.) Mazatlanica. <i>C. varicosum</i> Sowb.? <i>validum</i> C. B. Ad.	360	—— (sp. ined.)
346	Littorina conspersa Phil. <i>L. puncticulata</i> Phil. <i>Melaraphe puncticulata</i> H. and A. Adams. <i>L. modesta</i> Mke.	360	Cingula —— (sp. ined.)
348	aspera Phil. <i>Melaraphe aspera</i> H. & A.A.	361	Hydrobia ulvæ Penn. <i>Turbo ulvæ</i> Penn. <i>Paludinella stagnalis</i> Midd. ? <i>Helix stagnalis</i> Linn.
Oct. 1856.		361	—— (sp. ined.)
349	Philippii Carp.	362	Jeffreyssia bifasciata Carp.
350	—— (sp. ined.)	362	? Alderi Carp.
351	Littorina fasciata Gray. <i>Melaraphe fasciata</i> Gr.	363	tumens Carp.
		363	? —— (sp. ined.)
		364	Truncatella —— (sp. ined.)
		364	Planaxis nigrifella Forbes. <i>Pl. acutus</i> Mke. <i>obsoletus</i> Mke.
		366	Alaba supralirata Carp.
		367	violacea Carp.
		367	terebralis Carp.
		368	alabastrites Carp.
		368	scalata Carp.

[Carpenter, Mazatlan Shells.]

- | Page. | | Page. |
|------------|---|---|
| 368 | Alaba ? conica <i>Carp.</i> | Nov. 1856. |
| 369 | ? mutans <i>Carp.</i> | 385 Myurella Hindsi <i>Carp.</i> |
| 369 | ? laguncula <i>Carp.</i> | 386 subnodosa <i>Carp.</i> |
| 370 | ? ——— (sp. ined. a.) | 386 rufocinerea <i>Carp.</i> |
| 370 | ? ——— (sp. ined. b.) | 387 Subula luctuosa <i>Hinds.</i> |
| 370 | Ovula variabilis <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. & A. A.</i> |
| 371 | Cypræa exanthema <i>Linn.</i> | 388 Euryta fulgurata <i>Phil.</i> |
| | <i>C. zebra</i> <i>Linn.</i> | <i>Terebra arguta</i> <i>Gould.</i> |
| | <i>cervinetta</i> <i>Kien.</i> | 389 aciculata <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 | Luponia ? spurca <i>Linn.</i> | 390 Pleurotoma funiculata <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>Surecula funiculata</i> <i>H. & A.</i> |
| | <i>acicularis</i> <i>Gmel.</i> | 391 maculosa <i>Sowb.</i> [Ad. |
| 373 | Aricia arabicula <i>Lam.</i> | <i>Drillia maculosa</i> <i>H. & A. A.</i> |
| | <i>Cypræa arabicula</i> <i>Lam.</i> | 392 Drillia incrassata <i>Sowb.</i> |
| | ? <i>punctulata</i> <i>Gr.</i> | <i>Pleurotoma incrassata</i> <i>Sb.</i> |
| 375 | Trivia pustulata <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. &</i> | <i>Pleurotoma Bottæ</i> <i>Kien.</i> |
| 376 | radians <i>Lam.</i> [A. Ad. | 393 rudis <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. & A. A.</i> |
| 377 | Solandri <i>Gray.</i> | 393 aterrima <i>Sowb.</i> var. Mel- |
| | <i>Cypræa Solandri</i> <i>Sowb.</i> | chersi. |
| 378 | sanguinea <i>Gr.</i> | <i>Pleurotoma aterrima</i> <i>Sowb.</i> |
| | <i>Cypræa sanguinea</i> <i>Sowb.</i> | <i>Crassispira aterrima</i> <i>H. &</i> |
| | <i>fusca</i> <i>Gray.</i> | <i>A. Adams.</i> |
| 379 | pulla <i>Gaskoin.</i> | ? <i>Pleurotoma maura</i> <i>Val.</i> |
| | <i>C. pulla</i> <i>Gaskoin.</i> | <i>Melchersi</i> <i>Mke.</i> |
| 379 | subrostrata <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 | Cancellaria urceolata <i>Hind.</i> | <i>rustica</i> <i>Carp.</i> |
| | <i>C. obesa</i> <i>Carp.</i> | 394 ? cerithoidea <i>Carp.</i> |
| | ? <i>orata</i> <i>Mke.</i> | 395 zonulata <i>Rve.</i> |
| 380 | goniostoma <i>Sowb.</i> | <i>Pleurotoma cincta</i> <i>Sowb.</i> |
| 381 | Strombus galeatus <i>Swains.</i> | <i>zonulata</i> <i>Rve.</i> |
| | <i>S. galea</i> <i>Wood.</i> | <i>Crassispira zonulata</i> <i>H. &</i> |
| | <i>crenatus</i> <i>Sowb.</i> | 395 monilifera <i>Carp.</i> [A. Ad. |
| 382 | granulatus <i>Swains.</i> | 396 albovallosa <i>Carp.</i> |
| 383 | gracilior <i>Sowb.</i> | 397 albonodosa <i>Carp.</i> |
| 384 | Myurella albo-cincta <i>Carp.</i> | 397 luctuosa <i>Hinds.</i> |

[Carpenter, Mazatlan Shells.]

Page.		Page.	
	<i>Clavatula luctuosa</i> Hinds.		<i>Pyramidella conica</i> C. B. A.
	<i>Pleurotoma luctuosa</i> Rve.	410	Odostomia sublirulata <i>Car.</i>
	<i>Crassispira luctuosa</i> H. &	410	—— (sp. ined.)
	A. Adams.	411	<i>lamellata</i> <i>Carp.</i>
398	? Hanleyi <i>Carp.</i>	411	<i>subsulcata</i> <i>Carp.</i>
398	—— (sp. ined.)	411	<i>vallata</i> <i>Carp.</i>
398	—— (sp. ined.)	412	<i>mammillata</i> <i>Carp.</i>
399	Clathurella rava <i>Hinds.</i>	412	<i>tenuis</i> <i>Carp.</i>
	<i>Clavatula rava</i> <i>Hinds.</i>	413	Auriculina —— (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> <i>Carp.</i>	413	Parthenia scalariformis <i>Cp.</i>
400	Mangelia ? <i>acuticostata</i>	414	<i>quinquecincta</i> <i>Carp.</i>
	var. <i>subangulata</i> .	414	<i>lacunata</i> <i>Carp.</i>
401	Cithara —— (sp. ined.)	415	<i>armata</i> <i>Carp.</i>
401	Conus regularis <i>Sowb.</i>	415	<i>exarata</i> <i>Carp.</i>
	<i>Leptoconus regularis</i> H. &	416	<i>ziziphina</i> <i>Carp.</i>
402	purpurascens <i>Br.</i> [A. Ad.	417	Chrysallida ovata <i>Carp.</i>
	<i>Chelyconus purpurascens</i> H.	417	<i>nodosa</i> <i>Carp.</i>
	and A. Adams.	418	<i>rotundata</i> <i>Carp.</i>
	<i>Conus comptus</i> Gould.	418	<i>oblonga</i> <i>Carp.</i>
	? <i>interruptus</i> <i>Br. & S.</i>	419	communis C. B. Ad.
403	regalitatis <i>Sowb.</i>		<i>Chemnitzia communis</i> C. B.
	? <i>C. achatinus</i> Mke.		Adams.
	? <i>purpurascens</i> (var.)	Dec. 1856.	
	<i>Chelyconus regalitatis</i> H. &	421	<i>telescopium</i> <i>Carp.</i>
404	arenatus <i>Brug.</i> [A. Ad.	422	Reigeni <i>Carp.</i>
404	puncticulatus <i>Hwass.</i>	422	<i>effusa</i> <i>Carp.</i>
	<i>Chelyconus puncticulatus</i>	423	<i>fasciata</i> <i>Carp.</i>
	H. and A. Adams.	423	<i>ovulum</i> <i>Carp.</i>
405	gladiator <i>Brod.</i>	424	<i>clathratula</i> C. B. Adams.
	<i>Rhizoconus gladiator</i> H. &		<i>Chemnitzia clathratula</i> C.
405	nux <i>Brod.</i> [A. Ad.	424	<i>convexa</i> <i>Carp.</i> [B. Ad.
	<i>Coronaxis nux</i> H. & A. Ad.	425	Photis <i>Carp.</i>
406	? scalaris <i>Val.</i>	425	<i>indentata</i> <i>Carp.</i>
406	—— (sp. ined.)	426	? <i>clausiliformis</i> <i>Carp.</i>
407	Torinia ? <i>variegata</i> <i>Lam.</i>	427	Chemnitzia ? <i>Panamensis</i>
	<i>Solarium variegatum</i> <i>Lam.</i>		C. B. Adams.
	<i>Trochus perspectiviunculus</i>	427	C. B. Adamsi <i>Carp.</i>
	Chemn.	428	<i>similis</i> C. B. Ad.
	<i>Euomphalus radiatus</i> Mke.	428	<i>aculeus</i> C. B. Ad.
408	? granosa <i>Val.</i>	428	<i>muricata</i> <i>Carp.</i>
409	Obeliscus ? <i>conicus</i> (jun.)	429	? <i>affinis</i> C. B. Ad.
	C. B. Adams.	429	<i>prolongata</i> <i>Carp.</i>

[Carpenter, Mazatlan Shells.]

- | Page. | | Page. |
|------------|--|---|
| 430 | Chemnitzia gibbosa <i>Carp.</i> | 445 Cerithiopsis assimilata <i>C.</i> |
| 430 | —— (sp. ined. a.) | <i>B. Adams.</i> |
| 430 | —— (sp. ined. b.) | <i>Cerithium assimilatam</i> <i>C.</i> |
| 430 | —— (sp. ined. c.) | <i>B. Adams.</i> |
| 431 | —— (sp. ined. d.) | 446 Scalaria hexagona <i>Sowb.</i> |
| 431 | gracillima <i>Carp.</i> | <i>Clathrus hexagonus</i> <i>Il. & A.</i> |
| 431 | undata <i>Carp.</i> | 446 suprastrata <i>Carp.</i> [Ad. |
| 432 | flavescens <i>Carp.</i> | 447 ——— (sp. ined. a.) |
| 432 | terebialis <i>Carp.</i> | 447 ——— (sp. ined. b.) |
| 433 | tenuilirata <i>Carp.</i> | 447 raricostata <i>Carp.</i> |
| 433 | unifasciata <i>Carp.</i> | 447 Circotrema funiculata <i>Car.</i> |
| 434 | Dunkeria paucilirata <i>Carp.</i> | 448 Natica maroccana <i>Chemn.</i> |
| 434 | subangulata <i>Carp.</i> | <i>Nerita maroccana</i> <i>Chemn.</i> |
| 435 | cancellata <i>Carp.</i> | <i>marochiensis</i> <i>Gm.</i> |
| 435 | intermedia <i>Carp.</i> | <i>glauca</i> <i>Linn.</i> |
| 436 | ? Eulimella obsoleta <i>Carp.</i> | <i>Natica marochiensis</i> <i>Rve.</i> |
| 436 | —— (sp. ined. a.) | <i>intermedia</i> <i>Phil.</i> |
| 436 | —— (sp. ined. b.) | <i>Poliana Sacchi.</i> |
| 437 | —— (sp. ined. c.) | <i>lurida</i> <i>Phil.</i> |
| 437 | —— (sp. ined.) | <i>unifasciata</i> <i>Lam.</i> |
| 437 | Aclis fusiformis <i>Carp.</i> | <i>Chemnitziana</i> <i>Pfr.</i> |
| 438 | tumens <i>Carp.</i> | <i>Chemnitzii</i> <i>Mke.</i> |
| 438 | Eulima ? hastata <i>Sowb.</i> | <i>Prüchardi</i> <i>Forb.</i> |
| 438 | —— (sp. ined. a.) | ? <i>iosstoma</i> <i>Mke.</i> |
| 438 | —— (sp. ined. b.) | <i>Neverita Chemnitzii</i> <i>Il. &</i> |
| 439 | Leiostraca ? recta <i>C. B. A.</i> | 450 ——— (sp. ined.) [A. Ad. |
| | <i>Eulima recta</i> <i>C. B. Ad.</i> | 451 Lunatia tenuilirata <i>Carp.</i> |
| 439 | ? solitaria <i>C. B. Adams.</i> | 451 ——— (sp. ined. a.) |
| | <i>E. solitaria</i> <i>C. B. Adams.</i> | 451 ——— (sp. ined. b.) |
| 439 | —— (sp. ined. a.) | 451 ——— (sp. ined. c.) |
| 440 | —— (sp. ined. b.) | 452 Polinices uber <i>Val.</i> |
| 440 | linearis <i>Carp.</i> | <i>Natica uber</i> <i>Val.</i> |
| 440 | ? iota (var.) retexta. | ? <i>alabaster</i> <i>Rve.</i> |
| 441 | ? distorta (var.) yod. | 453 Lamellaria ——— (sp. ined. a.) |
| | <i>Melania distorta</i> <i>Phil.</i> | 453 ——— (sp. ined. b.) |
| | <i>E. distorta</i> <i>Desh.</i> | 453 Ficula ventricosa <i>Sowb.</i> |
| 442 | Cerithiopsis tuberculoides | <i>Pyrula ventricosa</i> <i>Sowb.</i> |
| 443 | var. albonodosa. [Carp.] | <i>Bulla decussata</i> <i>Wood.</i> |
| 443 | cerea <i>Carp.</i> | <i>Ficula decussata</i> <i>Rve.</i> |
| 443 | pupiformis <i>Carp.</i> | 454 Argobuccinum nodosum |
| 444 | sorex <i>Carp.</i> | <i>Triton nodosum</i> <i>Mke.</i> [Ch. |
| 444 | convexa <i>Carp.</i> | <i>Murex argus</i> (var. b.) <i>Gm.</i> |
| | | <i>T. Chemnitzii</i> <i>Gray.</i> |
| Jan. 1857. | | <i>Fusus Wiegmanni</i> <i>Ant.</i> |
| 445 | Cerithiopsis decussata <i>Car.</i> | |

[Carpenter, Mazatlan Shells.]

Page.		Page.	
	<i>Lagena Wiegmanni</i> H. & A. Adams.	Feb. 1857.	
	<i>Cassidaria setosa</i> Hinds?	469	Olivella tergina Ducl.
	<i>T. perforatus</i> Conrad.		<i>Oliva tergina</i> Ducl.
456	Turbinella cæstus Br.	469	anzora Ducl.
	<i>Vasum cæstus</i> H. & A. Ad.		<i>Oliva anzora</i> Ducl.
	<i>Turbinella ardeola</i> Val.	470	? petiolita (var.) aureo- cincta.
Jan. 1857.			? <i>Oliva petiolita</i> Ducl.
457	Lathirus ceratus Gr.	470	inconspicua C. B. Adams.
	<i>Murex ceratus</i> Gray.		<i>Oliva inconspicua</i> C. B. A.
	<i>Turbinella cerata</i> Gray.	471	dama Mawe.
457	Leucozonias cingulata Lam.		<i>Voluta dama</i> Mawe.
	<i>Monoceros cingulatum</i> Lam.		<i>Oliva lineolata</i> Gray.
	<i>Buccinum cingulatum</i> Wood.		<i>purpurata</i> Swains.
	<i>Turbinella cingulata</i> Kien.		<i>gracilis</i> Ducl.
458	Fasciolaria princeps Sowb.	471	zonalis Lam. [Ad.
	<i>F. aurantiaca</i> Sowb.		<i>Oliva zonalis</i> Lam.
459	Mitra lens Mawe.	472	Agaronia testacea 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	Strigatella tristis Br.	474	Purpura patula Linn.
	<i>Mitra tristis</i> Br.		<i>Buccinum patulum</i> Linn.
	<i>amphorella</i> Carp.		<i>Le Pakel</i> Adans.
461	Marginella minor C. B. Ad.		<i>P. pansa</i> Gould.
	<i>Gibberula minor</i> H. & A. A.	475	columellaris Lam.
462	polita Carp.	476	muricata Gray.
462	margaritula Carp.		<i>Monoceros muricatum</i> Rve.
463	Oliva angulata Lam.		<i>P. cassidiformis</i> D'Orb.
	<i>Voluta incrassata</i> Dillw.		<i>truncata</i> Ducl.
	<i>Strophona incrassatus</i> H.	477	biserialis Blainv.
464	Melchersi Mke. [& A. A.		<i>P. bicostalis</i> Rve.
	<i>O. angulata</i> Carp.		<i>undata</i> Val.
465	intertincta ? Carp.		<i>hæmastoma</i> Mke.
466	? venulata Lam.		<i>consul</i> Mke.
	<i>O. araneosa</i> C. B. Ad.	479	triserialis Blainv.
	? <i>Julietta</i> Mke.		<i>P. speciosa</i> Rve.
	<i>reticularis</i> (var.) Rve.		<i>centiquadra</i> Val.
467	Duclosi Rve.		<i>Thalassa speciosa</i> H. & A.
467	Olivella undatella Lam.		Adams.
	<i>Oliva undatella</i> Lam.	480	triangularis Blainv.
	<i>Voluta tenebrosa</i> Wood.		<i>P. Carolensis</i> Rve. [Ad.
			<i>Tribulus Carolensis</i> H. & A.

[Carpenter, Mazatlan Shells.]

Page.		Page.	
481	Cuma kiosquiformis Ducl. <i>Purpura kiosquiformis</i> Duc. <i>scalariformis</i> D'Or — (sp. ined.) C.	496	<i>Phrontis xanthostoma</i> H. & Nassa tegula Rve. [A. Ad. var. nodulifera Phil. [Ad. <i>Phrontis nodulifera</i> H. & A.
482	costata Blainv. [B. Ad. <i>P. costata</i> Blainv. <i>diadema</i> Lam.	497	(? Pagodus var.) acuta. 498 ——— (sp. ined. a.) 498 ——— (sp. ined. b.)
484	Rhizocheilus nux Rve. <i>Murex nux</i> Rve.	498	— (sp. ined. c.) 498 — (sp. ined. d.) 498 — (sp. ined. e.)
485	Vitularia salebrosa King. <i>Murex salebrosus</i> King. <i>Fusus salebrosus</i> Forbes. <i>Murex vitulinus</i> Gray.	498	? gemmulosa C. B. Ad. <i>Niotha gemmulosa</i> H. & A.
487	Nitidella cribraria 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</i> Barnet Adans. <i>B. parvulum</i> Dunk. <i>C. mitriformis</i> Br. & King. <i>guttata</i> Sowb.	499	? versicolor C. B. Ad. [A. <i>Uzita versicolor</i> H. & A. A.
488	— (sp. ined.)	499	crebristriata Carp. — (sp. ined. f.) 500 — (sp. ined. g.) 500 — (sp. ined. h.) 500 — (sp. ined. i.)
489	Columbella major Sowb. <i>C. strombiformis</i> (var.) <i>paytalida</i> Ducl. [Kien. <i>? gibbosa</i> Val.	500	Pyrula patula Br. and Sw. <i>Cyrtulus patulus</i> Hinds. <i>Cassidulus patulus</i> H. and A. Adams. <i>P. melongena</i> (var.) Sowb.
490	strombiformis Lam. <i>Buccinum strombiforme</i> <i>? C. gibbosa</i> Val. [Wood.	502	Fusus pallidus 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.
492	fuscata Sowb. <i>C. meleagris</i> Kien. <i>rustica</i> pars Sowb.	503	tumens Carp.
March, 1857.		504	apertus Carp.
493	cervinetta Carp.	504	— ? (sp. ined. a.) 504 — ? (sp. ined. b.)
493	cervinetta (var.) obso- leta.	505	? Cominella — (sp. ined.)
493	? Metula — (sp. ined. a.)	505	Anachis scalarina Sowb. <i>Columbella scalarina</i> Sowb.
494	? Metula — (sp. ined. b.)	506	costellata Br. and Sowb. <i>C. costellata</i> Br. & Sowb. var. pachyderma.
494	? Metula — (sp. ined. c.)	508	— (sp. ined.)
494	? Metula — (sp. ined. d.)	508	coronata Sowb. <i>Columbella coronata</i> Sowb.
494	Nassa luteostoma Br. & S. <i>Buccinum luteostomum</i> Kie. <i>Nassa xanthostoma</i> Gray.	509	? fulva Sowb. <i>C. fulva</i> Sowb.

[Carpenter, Mazatlan Shells.]

Page.		Page.	
509	Anachis nigrofusca <i>Carp.</i>	523	Phyllonotus nitidus <i>Br.</i>
509	serrata <i>Carp.</i>		<i>M. nitidus</i> <i>Br.</i>
510	pygmæa <i>Sowb.</i>	523	brassica <i>Lam.</i>
	<i>C. pygmæa</i> <i>Sowb.</i>		<i>M. brassica</i> <i>Lam.</i>
510	Gaskoini <i>Carp.</i>		<i>ducalis</i> <i>Br.</i>
511	rufotincta <i>Carp.</i>	524	bicolor <i>Val.</i>
512	albonodosa <i>Carp.</i>		<i>M. bicolor</i> <i>Val.</i>
512	—— (sp. ined. a.)		<i>erythrostomus</i> <i>Swains.</i>
512	—— (sp. ined. b.)		<i>regius</i> <i>Sch. and Wagn.</i>
513	Strombina maculosa <i>Sowb.</i>		<i>hippocastanum</i> <i>Phil.</i>
	<i>Columbella maculosa</i> <i>Sowb.</i>	524	regius <i>Swains.</i>
513	—— ? (sp. ined.)		<i>M. regius</i> <i>Swains.</i>
514	Pisania insignis <i>Rve.</i> [Val.]		<i>tricolor</i> <i>Val.</i>
	<i>Buccinum mutabile</i> (pars.)	524	princeps <i>Br.</i>
	<i>insignis</i> <i>Rve.</i>		<i>M. princeps</i> <i>Br.</i>
	<i>Tritonidia insignis</i> <i>H. & A. A.</i>	526	Muricidea ? lappa <i>Br.</i>
515	(? Pagodus [var.] æqui-		<i>Murex lappa</i> <i>Br.</i>
	lirata.	526	dubia <i>Swains.</i>
515	gemmata <i>Rve.</i>		<i>Murex dubius</i> <i>Swains.</i>
	<i>B. gemmatum</i> <i>Rve.</i>		<i>aculeatus</i> <i>Wood.</i>
	<i>gemmulatum</i> <i>Mke.</i>	527	? erinaceoides (var.) in-
	<i>undosum</i> <i>Kien.</i> [A. Ad.]		dentata.
	<i>Tritonidea gemmatum</i> <i>H. &</i>		<i>Murex erinaceoides</i> <i>Val.</i>
	<i>B. mutabile</i> (pars.) <i>Val.</i>	528	Murex —— (sp. ined.)
517	sanguinolenta <i>Ducl.</i>	528	Muricidea pauxillus <i>A. Ad.</i>
	<i>Purpura sanguinolenta</i> <i>Du.</i>		<i>Murex pauxillus</i> <i>A. Ad.</i>
	<i>B. sanguinolentum</i> <i>Mke.</i>		(ADDITIONAL SPECIES)
	<i>Pollia hæmastoma</i> <i>Gr.</i>	529	? Narano scobina <i>Carp.</i>
	<i>B. hæmastoma</i> <i>Rve.</i>	529	Mya —— (sp. ined.)
	<i>Janelii</i> <i>Val.</i>	530	? Corbula —— (sp. ined. b.)
	<i>Tritonium verrucosum</i> <i>Mke.</i>	530	Sphænia —— (sp. ined.)
	<i>Tritonidea sanguinolentus</i>	530	? —— (sp. ined.)
518	ringens <i>Rve.</i> [H. & A. Ad.]	530	? Lyonsia —— (sp. ined.)
	<i>B. ringens</i> <i>Rve.</i>	531	Tellina —— (sp. ined. c.)
	<i>Tritonidea ringens</i> <i>H. & A. A.</i>	531	Cardium rotundatum <i>Carp.</i>
518	Murex plicatus <i>Sowb.</i>	531	Lasea —— (sp. ined.)
	<i>M. unidentatus</i> <i>Mke.</i>	531	? Montacuta chalconica
519	? recurvirostris (var.)		<i>Carp.</i>
	lividus.	532	Arca —— (sp. ined. b.)
	<i>M. recurvirostris</i> <i>Br.</i>	532	Pecten —— (sp. ined. a.)
	<i>messorius</i> <i>Mke.</i>	532	—— (sp. ined. b.)
521	Phyllonotus nigrinus <i>Meus.</i>	533	Smaragdinella thecaphora
	<i>Murex nigrinus</i> <i>Phil.</i>		<i>Nutt.</i>
	<i>ambiguus</i> <i>Rve.</i>		

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> = Uvanilla.
547	“ 7 <i>Spondylus Lamarckii</i> = S. calcifer.
547	“ 17 <i>Petricola sinuosa</i> Conrad = P. robusta.
547	“ 21 <i>Corbula bicarinata</i> = C. alba?
547	“ 25 Tyleria fragilis II. and <i>A. Adams.</i>
548	“ 26 <i>Seneca proxima</i> = S. flavescens Gould.
548	“ 31 <i>Sanguinolaria purpurea</i> = S. miniata Gould (Tellina.)

Page.	To p.	
548	39	<i>Tellina Burnettii</i> = Tellidora .
548	43	<i>Donax culminatus</i> = D. rostratus C. B. Adams.
548	44	Donax flexuosus Gould (sp. distinct.)
548	50	<i>Lutraria ventricosa</i> = Mactra exoleta .
549	52	<i>Gnathodon trigona</i> Pet. = G. mendicus Gould.
549	58	<i>Cytherea aquilifera</i> Desh. = Trigona argentina .
549	80	? <i>Venus succincta</i> Val. = Anomalocardia subimbricata .
549	90	<i>Hipponix tessellatus</i> = H. serratus .
550	135	<i>Arca trapezia</i> = A. tuberculosa .
550	149	<i>Margaritiphora Mazatlanica</i> = M. fimbriata Dunk.
550	159	Ostrea palmula (sp. distinct.)
550	169	Naranio ——— (sp. ined.)
550	182	<i>Siphonaria aquiliorata</i> = S. Lecanium .
551	220	<i>Fissurella mus</i> = Glyphis inæqualis .
552	358	<i>Rissoa lirata</i> = Barleeia lirata .
552	388	<i>Terebra fulgurata</i> = Euryta fulgurata .

[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 nordamerikanischen Najaden. Briefliche Mittheilung and en Herausgeber in: Archiv. f. Naturg. 18 Jahrg. 1852. 1 Bd., p. 41.

Page.	§ 1.	Page.	§ 2.
43	Dysnomia Ag.	47	Micromya Ag.
43	Scalenaria Raf.	47	Crypogenia Ag.
44	Truncilla Raf.	48	Plagiola Raf.
44	Lampsilis Raf.	48	Orthonymus Ag.
44	Canthyrina Swains.	48	Tritogonia Raf.
45	Eurynia Raf.	48	Quadrula Raf.
45	Metaptera Raf.	48	Rotundaria Raf.
46	Alasmodonta Say.	48	Complanaria Swains.
46	Obovaria Raf.	49	Pleurobema Raf.
		49	Uniopsis Swains.
		49	Margaritana Sch.
		50	Hemilastena 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. Leipzig, 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	Unio alatus Say.	Scioto river.
9	catillus Conrad.	Scioto river.
9	circulus Lea.	Scioto river.
9	coccineus Hildreth.	Scioto river.
9	Cooperianus Lea.	Scioto river.
9	cornutus Barnes.	Scioto river.
9	crassus Say.	Scioto river.
9	cylindricus Say.	Scioto river.
9	dehiscens Say.	Scioto river.
9	dolabraformis Lea.	Scioto river.
9	elegans Lea.	Scioto river.
9	ellipsis Lea.	Scioto river.
9	foliatus Hildreth.	Scioto river.
9	gibbosus Barnes.	Scioto river.
9	glans Lea.	Scioto river.
9	Gouldianus Ward.	Scioto river.
9	Hildrethianus Lea.	Ohio river.
9	iris Lea.	Scioto river.
9	irroratus Lea.	Scioto river.
10	lachrymosus Lea.	Scioto river.
10	lapillus Say.	Scioto river.
10	lævissimus Lea.	Scioto river.
10	lens Lea.	Scioto river.
10	luteolus Lam.	Scioto river.
10	monodonta Say.	Ohio and Scioto rivers.
10	multiplicatus Lea.	Scioto.
10	multiradiatus Lea.	Scioto.
10	mytiloides Raf.	Scioto.
10	nasutus Say.	Walhonding.
10	nexus Say.	Alabama.

10	Unio obliquus <i>Lam.</i>	Scioto.
10	occidens <i>Lea.</i>	Scioto.
10	ochraceus <i>Say.</i>	Eastern waters.
10	ovatus.	Scioto.
10	parvus.	Scioto.
10	patulus.	Scioto.
10	penatus <i>Conrad.</i>	Alabama.
10	perdix <i>Lea.</i>	Alabama.
10	perplexus.	Scioto river.
10	pileus <i>Lea.</i>	Ohio.
10	plicatus.	Scioto.
10	purpurens.	Scioto.
10	pustulatus <i>Lea.</i>	Scioto.
10	pustulosus <i>Lea.</i>	Scioto.
10	pyramidatus <i>Lea.</i>	Scioto.
10	radiatus <i>Lea.</i>	Scioto.
10	Rangianus <i>Lea.</i>	Scioto.
10	rectus <i>Lam.</i>	Scioto.
10	retusus <i>Lam.</i>	Scioto.
10	ridibundus <i>Say.</i>	Ohio river.
10	rubiginosus <i>Lea.</i>	Scioto.
10	solida <i>Lea.</i>	Scioto.
10	tenuissimus <i>Lea.</i>	Scioto river.
10	triangularis <i>Say (?)</i>	Scioto.
10	trigonus.	Scioto.
10	tuberculatus.	Scioto.
10	undulatus <i>Barnes.</i>	Scioto.
11	verrucosus.	Scioto.
11	Alasmodonta calceola <i>Lea.</i>	Scioto river.
11	Anodonta incerta <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			<i>Sepia officinalis.</i>	Europe.
			<i>Mya margaritifera.</i>	Arctic Circle.
294			<i>Mytilus margaritiferus.</i>	America and India.
296	v	79	<i>edulis.</i>	Indian Seas, &c.
297	v	77	<i>Ostrea edulis.</i>	Indian Seas, &c.
299	v	78	<i>Pecten maximus.</i>	
299	v	80	<i>Cardium edule.</i>	England, &c.
300			<i>Pinna nobilis.</i>	Mediterranean, &c.
301			<i>Helix pomatia.</i>	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			<i>Chiton Magellanicus</i> Chemn.	Coast of Peru.
70	iii	1	<i>striatus</i> Barnes.	Coast of Peru.
70	iii	2	<i>Peruvianus</i> Lam.	Coast of Peru.
			<i>C. crinitus</i> Penn.	
71	iii	3	<i>niger</i> Barnes.	Coast of Peru.
71	iii	4	<i>echinatus</i> 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 *Draecna 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	<i>Achatina Stewartii</i> Green.
49	iv	5	<i>Oahuensis</i> Green.

Green.—Remarks on *Achatina Stewartii*: by J. GREEN, &c. (From same as last, vol. i, No. 3, p. 66. Jan. 1829.)

Page.

87	<i>Achatina lugubris</i> .	<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	<i>Cleodora lanceolata</i> Per. and Le S.
252	<i>Veleta Atlantica</i> Green = <i>V. mutica</i> ?
252	<i>Janthina globosa</i> ?

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	Anodonta aperta Raf.	River Parana above Buenos Ayres.
154	paphos 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 .	Simphalomphix Raf. (n. g.)	
165	bonariensis Raf.	Buenos Ayres.
165	Stegomphix Raf. (n. g.)	
165	elegans (Cyclostoma) Raf.	Buenos Ayres.
165	Diplicaria Raf. (n. g.)	
165	bonariensis 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	Planorbis albescens Raf.	Page.	166	Melania tessula Raf.
165	Paludina vitula Raf.		166	costula Raf. Ganges.
165	fragilis Raf.			

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 Eightsiil Couch.</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 & 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	<i>Ampullaria ochracea</i> Jay.	Spanish Main.
116	iii	9	<i>Helix speciosa</i> Jay.	
117	iv	10	<i>Natica fluctuata</i> Sowb. <i>N. imperforata</i> Jay.	
117	iv	11	<i>Neritina granosa</i> Sowb. <i>N. papillosa</i> Jay.	Sandwich Isl'ds.
119	vi	1	<i>Bulimus ustulatus</i> Jay.	
119	vi	2	<i>aurora</i> Jay.	
119	vi	3	<i>Achatina bicolor</i> Jay.	
120	vi	4	<i>Bulimus virgatus</i> Jay.	
120	vi	5	<i>porraceus</i> Jay.	
120	vi	6, 7	<i>Pandora striata</i> Quoy & Guim.	New Zealand.
121	vii	1	<i>Bulimus tristis</i> Jay.	Zanzibar.
121	vii	2, 3	<i>Couus rhododendron</i> Couth.	Australasia.
122	vii	4, 5	<i>Cyclostoma Cumingii</i> Sowb.	Tumaco Island.
122	vii	6	<i>Bulimus dubiosus</i> Jay.	Brazil?
122	vii	7, 8	<i>Cyclostoma multicarinata</i> Jay.	
122	vii	9, 10	<i>maculosa</i> Jay.	
123	vii	12, 13	<i>multilineata</i> Jay.	
124	viii, ix		<i>Dolium melanostomum</i> Jay.	Friendly Isl'ds.
126	x	1, 2	<i>Voluta armata</i> 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	<i>Thracia pubescens</i> 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	Thracia convexa <i>Couthouy.</i> <i>Mya declivis</i> Pennant. <i>convexa</i> Wood. <i>Anatina convexa</i> Turt. <i>Ligula distorta</i> Mont?	383	Thracia phaseolina <i>Kien.</i> <i>Amphidesma phaseolina</i> La.
383	corbuloides <i>Desh. §c.</i>	383	similis <i>Couth.</i> Rio Janeiro.
383	plicata <i>Desh. §c.</i>	384	Periploma trapezoides <i>Des.</i> <i>P. inaequalis</i> Schum. <i>Anatina trapezoida</i> Lam. <i>Ostcodesma 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	Ocythoe <i>Raf.</i>		<i>Loligo todarus</i> Raf.
63	Todarus <i>Raf.</i>	65	<i>Canopus</i> Raf. = Anisoctus Raf.
63	Anisoctus <i>Raf.</i>	65	Anisoctus punctatus Raf.
63	Ocythoe tuberculata <i>Raf.</i>	65	bicolor Raf.
64	Todarus argo <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	Stoastoma <i>Ad.</i>	10	Chittyanum <i>Ad.</i> Jamaica.
5	Gouldianum <i>Ad.</i> Jamaica.	11	pisum <i>Ad.</i> Jamaica.
6	Blandianum <i>Ad.</i> Jamaica.	12	Lindsleyanum <i>Ad.</i> Jamaica.
7	Fadyenianum <i>Ad.</i> Jamaica.	13	Redfieldianum <i>Ad.</i> Jamaica.
8	Pfeifferianum <i>Ad.</i> Jamaica.	14	Jayanum <i>Ad.</i> Jamaica.
9	Cumingianum <i>Ad.</i> Jamaica.	15	Leanum <i>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	Vitrinella <i>Adams.</i>	
5	hyalina <i>Adams.</i>	Port Royal, Jamaica.
6	interrupta <i>Adams.</i>	Port Royal, Jamaica.
7	megastoma <i>Adams.</i>	Port Royal, Jamaica.
8	tincta <i>Adams.</i>	Port Royal, Jamaica.
9	helicoidea <i>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 Oper-
culated Land Shells from Jamaica: by Prof. C. B. ADAMS.

	Page.
1 Cyclostoma Chittyi <i>Ad.</i>	
1 spinulosum <i>Ad.</i>	9 Cyclostoma ignilabre <i>Ad.</i>
2 aculeosum <i>Ad.</i>	9 pisum <i>Ad.</i>
2 amabile <i>Ad.</i>	9 hyacinthinum <i>Ad.</i>
3 amandum <i>Ad.</i>	10 Redfieldianum <i>Ad.</i>
3 Blandianum <i>Ad.</i>	10 tectilabre <i>Ad.</i>
3 variabile <i>Ad.</i>	10 armatum <i>Ad.</i>
4 concentricum <i>Ad.</i>	11 muticum <i>Ad.</i>
4 serriferum <i>Ad.</i>	11 fecundum <i>Ad.</i>
4 decussatulum <i>Ad.</i>	11 var. distinctum <i>Ad.</i>
4 mirandum <i>Ad.</i>	11 aurora <i>Ad.</i>
5 moribundum <i>Ad.</i>	12 mordax <i>Ad.</i>
5 intermedium <i>Ad.</i>	12 quinque-fasciatum <i>Ad.</i>
5 monstrosus <i>Ad.</i>	12 crenulosum <i>Ad.</i>
6 Wilkinsonii <i>Ad.</i>	13 pauperatum <i>Ad.</i>
6 avena <i>Ad.</i>	13 Helicina palliata <i>Ad.</i>
6 modestum <i>Ad.</i>	13 Hollandi <i>Ad.</i>
7 solidum <i>Ad.</i>	13 macilenta <i>Ad.</i>
7 Augustæ <i>Ad.</i>	13 albolabris <i>Ad.</i>
8 proximum <i>Ad.</i>	14 citrino-labris <i>Ad.</i>
8 Newcombianum <i>Ad.</i>	14 megastoma <i>Ad.</i>
8 nitens <i>Ad.</i>	14 Josephinæ (Trochatella).
8 tenuistriatum <i>Ad.</i>	14 tenuis (Trochatella).

15 Catalogue of Operculated Land Shells which inhabit Jamaica.

15 Cyclostoma pulcrum <i>Wood.</i>	15 Cyclostoma Blandianum
15 fimbriatulum <i>Sowb.</i>	15 lincinellum <i>Lam.</i> [<i>Ad.</i>]
15 Chittyi <i>Ad.</i>	15 variabile <i>Ad.</i>
15 aculeosum <i>Ad.</i>	15 concentricum <i>Ad.</i>
15 spinulosum <i>Ad.</i>	15 Grayanum <i>Ad.</i>
15 amandum <i>Ad.</i>	15 serriferum <i>Ad.</i>
15 Hillianum <i>Ad.</i>	15 pulchrius <i>Ad.</i>
15 amabile <i>Ad.</i>	15 articulatum <i>Sowb.</i>
15 scabriculum <i>Sowb.</i>	15 decussatulum <i>Ad.</i>
15 lincinum <i>Linn.</i>	15 mirandum <i>Ad.</i>
15 Ilma <i>Ad.</i>	15 moribundum <i>Ad.</i>

[Contributions to Conchology.]

Page.		Page.	
15	Cyclostoma intermedium	16	Cyclostoma asperulum <i>Sb.</i>
15	monstrosum <i>Ad.</i> [<i>Ad.</i>]	16	Helicina palliata <i>Ad.</i>
15	Wilkinsonii <i>Ad.</i>	16	Brownii <i>Gray.</i>
15	avena <i>Ad.</i>	16	Hollandi <i>Ad.</i>
15	modestum <i>Ad.</i>	16	macilenta <i>Ad.</i>
15	ambiguum <i>Lam.</i>	16	maxima <i>Sowb.</i>
15	thysanoraphe <i>Sowb.</i>	16	albolabris <i>Ad.</i>
15	pictum <i>Humph.</i>	16	citrino-labris <i>Ad.</i>
15	solidum <i>Ad.</i>	16	solitaria <i>Ad.</i>
15	labeo <i>Lam.</i>	16	affinis <i>Ad.</i>
15	Augustæ <i>Ad.</i>	16	megastoma <i>Ad.</i>
15	fascia <i>Gray.</i>	16	Gossei <i>Pfr.</i>
15	proximum <i>Ad.</i>	16	Adamsiana <i>Pfr.</i>
15	Newcombianum <i>Ad.</i>	16	depressa <i>Gray.</i>
15	nitens <i>Ad.</i>	16	lineata <i>Ad.</i>
15	xanthostoma <i>Sowb.</i>	16	neritella <i>Lam.</i>
15	tenuistriatum <i>Ad.</i>	16	aurantia <i>Gray.</i>
15	ignilabre <i>Ad.</i>	16	Jamaicensis <i>Sowb.</i>
15	pisum <i>Ad.</i>	16	costata <i>Sowb.</i>
15	Bronnii <i>Ad.</i>	16	Trochatella Tankervillei
15	fuscolineatum <i>Ad.</i>	16	pulchella <i>Gray.</i> [<i>Gray.</i>]
15	album <i>Lam.</i>	16	Grayana <i>Pfr.</i>
15	hyacinthinum <i>Ad.</i>	16	Josephinæ <i>Ad.</i>
15	Banksianum <i>Sowb.</i>	16	tennis <i>Ad.</i>
15	Redfieldianum <i>Ad.</i>	16	Lucidella aureola <i>Gray.</i>
15	tectilabre <i>Ad.</i>	16	Stoastoma Gouldianum
15	pauperatum <i>Ad.</i>	16	Blandianum <i>Ad.</i> [<i>Ad.</i>]
15	crenulosum <i>Ad.</i>	16	Fadyenianum <i>Ad.</i>
15	quinquefasciatum <i>Ad.</i>	16	Pfeifferianum <i>Ad.</i>
16	Sauliæ <i>Sowb.</i>	16	Cumingianum <i>Ad.</i>
16	mordax <i>Ad.</i>	16	Chittyianum <i>Ad.</i>
16	maritimum <i>Ad.</i>	16	pisum <i>Ad.</i>
16	aurora <i>Ad.</i>	16	Lindsleyanum <i>Ad.</i>
16	fecundum <i>Ad.</i>	16	Redfieldianum <i>Ad.</i>
16	Adamsi <i>Pfr.</i>	16	Jayanum <i>Ad.</i>
16	muticum <i>Ad.</i>	16	Leanum <i>Ad.</i>
16	armatum <i>Ad.</i>	16	Truncatella costata <i>Pfr.</i>
16	Duffianum <i>Ad.</i>	16	Adamsi <i>Pfr.</i>
16	corrugatum <i>Sowb.</i>	16	succinea <i>Ad.</i>
16	Jamaicense <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.

	Page.	
17 <i>Geomelania</i> Pfr.		
18 <i>Jamaicensis</i> Pfr.	25	<i>Achatina nemorensis</i> Ad.
18 <i>minor</i> Ad.	25	<i>ligata</i> Ad.
18 <i>expansa</i> Ad.	25	<i>angiostoma</i> Ad.
18 <i>elegans</i> Ad.	25	<i>Ingallsiana</i> Ad.
19 <i>Cylindrella</i> Beardsleyana	26	<i>unicolor</i> Ad.
19 <i>Agnesiana</i> Ad. [Ad.]	26	<i>levis</i> Ad.
20 <i>alba</i> Ad.	26	<i>micans</i> Ad.
20 <i>costulata</i> Ad.	26	<i>striosa</i> Ad.
20 <i>montana</i> Ad.	26	<i>inuitata</i> Ad.
21 <i>Gravesii</i> Ad.	27	<i>Bulimus nitidiusculus</i> Ad.
21 <i>ambigua</i> Ad.	27	<i>pauperculus</i> Ad.
21 <i>rosea</i> Pfr.	28	<i>terebella</i> Ad.
21 var. <i>magna</i> Ad.	28	<i>anomalus</i> Ad.
21 var. <i>major</i> Ad.	28	<i>minimus</i> Ad.
21 <i>aspera</i> Ad.	28	<i>monodon</i> Ad.
22 <i>columna</i> Ad.	29	<i>mirabilis</i> Ad.
22 var. <i>intermedia</i> Ad.	29	<i>Helix patina</i> Ad.
22 <i>C. rosea</i> Ad. = <i>C. carnea</i> Ad.	29	<i>fluctuata</i> Ad.
22 <i>Cylindrella carnea</i> (var.)	29	<i>cara</i> Ad.
<i>cerina</i> .	30	<i>Chittyana</i> Ad.
22 <i>inornata</i> Ad.	30	<i>picturata</i> Ad.
22 <i>simplex</i> Ad.	30	<i>strangulata</i> Ad.
23 <i>Hydeana</i> Ad.	31	<i>torrefacta</i> Ad.
23 <i>C. cylindrus</i> Ad. = <i>C. rubra</i>	31	<i>epistyliulum</i> Ad.
23 <i>Cylindrella similis</i> Ad. [Ad.]	31	<i>pila</i> Ad.
23 <i>tenella</i> Ad.	31	<i>lamellifera</i> Ad.
23 <i>tenera</i> Ad.	32	<i>graminicola</i> Ad.
24 <i>Achatina procera</i> Ad.	32	<i>MacMurrayi</i> Ad.
25 <i>elegans</i> Ad.	32	<i>munda</i> Ad.

No. 3.

33 Descriptions of supposed new Helicidæ from Jamaica.

33 <i>Helix tunicata</i> Ad.	35	<i>Helix brevis</i> Ad.
33 <i>sulphurea</i> Ad.	35	<i>simulans</i> Ad.
33 <i>virginea</i> Ad.	35	<i>fuscula</i> Ad.
34 <i>fuscocincta</i> Ad.	36	<i>diminuta</i> Ad.
34 <i>similis</i> Ad.	36	<i>apex</i> Ad.
34 <i>Hollandi</i> Ad.	36	<i>immunda</i> Ad.
35 <i>ambigua</i> Ad.	36	<i>perdepressa</i> Ad.
35 <i>Anthoniaana</i> Ad.	36	<i>angustispira</i> Ad.

[Contributions to Conchology.]

Page.		Page.	
37	<i>Helix inconspicua Ad.</i>	38	<i>Pupa exilis Ad.</i>
37	<i>Pupa Jamaicensis Ad.</i>	38	<i>Succinea latior Ad.</i>
37	<i>lata Ad.</i>	38	<i>angustior Ad.</i>
37	<i>hexodon Ad.</i>		
39 Catalogue of species and varieties of Helicidæ which inhabit Jamaica.			
39	<i>Geomelania Jamaicensis</i>	39	<i>Cylindrella rubra Ad.</i>
39	<i>minor Ad.</i> [Pfr.]	39	<i>Dunkeri Pfr.</i>
39	<i>expansa Ad.</i>	39	<i>similis Ad.</i>
39	<i>elegans Ad.</i>	39	<i>tenella Ad.</i>
39	<i>Cylindrella pygmæa Ad.</i>	39	<i>tenera Ad.</i>
39	<i>Beardsleana Ad.</i>	39	<i>Achatina ligata Ad.</i>
39	<i>gracilis Wood.</i>	39	<i>Jamaicensis Pfr.</i>
39	<i>elongata Chemn.</i>	39	<i>procera Ad.</i>
39	<i>Agnesiana Ad.</i>	39	<i>Griffithii Ad.</i>
39	<i>alba Ad.</i>	39	<i>Phillipiana Pfr.</i>
39	<i>Gossei Pfr.</i>	39	<i>elegans Ad.</i>
39	<i>seminuda Ad.</i>	39	<i>venusta Pfr.</i>
39	<i>costulata Ad.</i>	39	<i>leucozonias Walch.</i>
39	<i>subula Fer.</i>	39	<i>Dominicensis Gmel.</i>
39	<i>alabastrina Pfr.</i> [Pfr.]	39	<i>curvilabris Pfr.</i>
39	<i>Humboldtiana (var. β.)</i>	39	<i>angiostoma Ad.</i>
39	<i>variegata (var. γ.) Pfr.</i>	39	<i>Ingallsiana Ad.</i>
39	<i>montana Ad.</i>	39	<i>unicolor Ad.</i>
39	<i>Gravesii Ad.</i>	39	<i>nemorensis Ad.</i>
39	<i>rosea Pfr.</i>	39	<i>Phillipsii Ad.</i>
39	<i>var. magna Ad.</i>	39	<i>arcuata Pfr.</i>
39	<i>var. major Ad.</i>	40	<i>vicina Ad.</i>
39	<i>ambigua Ad.</i>	40	<i>propinqua Ad.</i>
39	<i>cylindrus Chemn.</i>	40	<i>Gossei Pfr.</i>
39	<i>rubella Ad.</i>	40	<i>costulata Ad.</i>
39	<i>aspera Ad.</i>	40	<i>aberrans Pfr.</i>
39	<i>obesa Ad.</i>	40	<i>pellucens Ad.</i>
39	<i>brevis Pfr.</i>	40	<i>levis Ad.</i>
39	<i>columna Ad.</i>	40	<i>micans Ad.</i>
39	<i>var. intermedia Ad.</i>	40	<i>iota Ad.</i>
39	<i>nobilior Ad.</i>	40	<i>octona Chemn.</i>
39	<i>carnea Ad.</i>	40	<i>striosa Ad.</i>
39	<i>var. cerina Ad.</i>	40	<i>inuitata Ad.</i>
39	<i>sanguinea Pfr.</i>	40	<i>Bulimus minimus Ad.</i>
39	<i>Maugeri Wood.</i>	40	<i>striatellus Ad.</i>
39	<i>inornata Ad.</i>	40	<i>terebella Ad.</i>
39	<i>simplex Ad.</i>	40	<i>pauperculus Ad.</i>
39	<i>Hydeana Ad.</i>	40	<i>octonoides Ad.</i>

[Contributions to Conchology.]

Page.		Page.	
40	Bulimus pallidus <i>Ad.</i>	40	Helix angustata <i>Fer.</i>
40	<i>monodon</i> <i>Ad.</i>	40	<i>Cubensis</i> (var. ϑ) <i>Pfr.</i>
40	<i>nitidiusculus</i> <i>Ad.</i>	41	<i>tunicata</i> <i>Ad.</i>
40	<i>læviusculus</i> <i>Ad.</i>	41	<i>sulphurea</i> <i>Ad.</i>
40	<i>subula</i> <i>Pfr.</i> (errata p. 48.)	41	Mac Murrayi <i>Ad.</i>
40	<i>rufescens</i> <i>Gray.</i>	41	<i>munda</i> <i>Ad.</i>
40	<i>erubescens</i> <i>Pfr.</i>	41	<i>tenerrima</i> <i>Ad.</i>
40	<i>immaculatus</i> <i>Ad.</i>	41	<i>graminicola</i> <i>Ad.</i>
40	<i>zebra</i> <i>Müll.</i>	41	<i>nemoroides</i> <i>Ad.</i>
40	<i>anomalus</i> <i>Ad.</i>	41	Gossei <i>Pfr.</i>
40	<i>mirabilis</i> <i>Ad.</i>	41	<i>subconica</i> <i>Ad.</i>
40	Pupa fallax (?) <i>Say.</i>	41	<i>fuscocincta</i> <i>Ad.</i>
40	<i>lata</i> <i>Ad.</i>	41	<i>virginea</i> <i>Ad.</i>
40	<i>contracta</i> (?) <i>Say.</i>	41	<i>fuscula</i> <i>Ad.</i>
40	<i>tenuidens</i> <i>Ad.</i>	41	<i>immunda</i> <i>Ad.</i>
40	<i>hexodon</i> <i>Ad.</i>	41	<i>ptychodes</i> <i>Pfr.</i>
40	<i>servilis</i> <i>Gould.</i>	41	<i>perdepressa</i> <i>Ad.</i>
40	Jamaicensis <i>Ad.</i>	41	<i>depressa</i> <i>Ad.</i>
40	<i>exilis</i> <i>Ad.</i>	41	<i>sincera</i> <i>Ad.</i>
40	<i>striatella</i> (?) <i>Fer.</i>	41	<i>diminuta</i> <i>Ad.</i>
40	Succinea angustior <i>Ad.</i>	41	<i>apex</i> <i>Ad.</i>
40	<i>Sagra</i> <i>Orb.</i>	41	<i>inconspicua</i> <i>Ad.</i>
40	<i>latior</i> <i>Ad.</i>	41	<i>peraffinis</i> <i>Ad.</i>
40	<i>contorta</i> <i>Ad.</i>	41	Boothiana <i>Pfr.</i>
40	Helix Martiniana <i>Pfr.</i>	41	<i>turbiniformis</i> <i>Pfr.</i>
40	<i>peracutissima</i> <i>Ad.</i>	41	Anthoniana <i>Ad.</i>
40	<i>soror</i> <i>Fer.</i>	41	<i>angustispira</i> <i>Ad.</i>
40	<i>cara</i> <i>Ad.</i>	41	<i>ambigua</i> <i>Ad.</i>
40	Chittyana <i>Ad.</i>	41	<i>brevis</i> <i>Ad.</i>
40	<i>patina</i> <i>Ad.</i>	41	Hollandi <i>Ad.</i>
40	<i>fluctuata</i> <i>Ad.</i>	41	<i>arboreoides</i> <i>Ad.</i>
40	<i>acutissima</i> <i>Lam.</i>	41	<i>similis</i> <i>Ad.</i>
40	Bainbridgii <i>Pfr.</i>	41	<i>lamellifera</i> <i>Ad.</i>
40	Spengleriana <i>Pfr.</i>	41	<i>pila</i> <i>Ad.</i>
40	<i>lucerna</i> <i>Müll.</i>	41	Cookiana <i>Gmel.</i>
40	Okeniana <i>Pfr.</i>	41	<i>torrefacta</i> <i>Ad.</i>
40	<i>tridentina</i> <i>Fer.</i>	41	<i>epistyliulum</i> <i>Ad.</i>
40	Bronnii <i>Pfr.</i>	41	<i>epistylium</i> <i>Müll.</i>
40	<i>picturata</i> <i>Ad.</i>	41	<i>epistylioides</i> <i>Fer.</i>
40	<i>sinuata</i> <i>Müll.</i>	41	<i>simulans</i> <i>Ad.</i>
40	<i>strangulata</i> <i>Ad.</i>	41	<i>dioscoricola</i> <i>Ad.</i>
40	<i>anomala</i> <i>Pfr.</i>	41	Proserpina nitida <i>Sowb.</i>
40	<i>aspera</i> <i>Fer.</i>	41	<i>opalina</i> <i>Ad.</i>
40	Jamaicensis <i>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 <i>Melampus coniformis</i> Brug. | 42 <i>Melampus coronatus</i> Ad. |
| 42 <i>flavus</i> Gmel. | 42 <i>cingulatus</i> Pfr. |
| <i>Auricula monile</i> Lam. | 42 <i>Pedipes quadridens</i> Pfr. |
| 42 <i>pusillus</i> Gmel. | 42 <i>ovalis</i> Ad. |
| <i>Auricula nitens</i> Lam. | |
- 42 Descriptions of supposed new species of Fresh Water Shells which inhabit Jamaica: by Prof. C. B. ADAMS.
- | | |
|------------------------------------|-----------------------------------|
| 42 <i>Paludina Jamaicensis</i> Ad. | 43 <i>Planorbis decipiens</i> Ad. |
| 42 <i>Valvata pygmæa</i> Ad. | 44 <i>affinis</i> Ad. |
| 43 <i>Planorbis Mac Nabianus</i> | 44 <i>Cyclas Veatleyi</i> Ad. |
| 43 <i>Redfieldi</i> Ad. [Ad.] | 44 <i>pygmæa</i> Ad. |
| 43 <i>Haldemani</i> Ad. | |
- 45 Catalogue of Fresh Water Shells which inhabit Jamaica: by Prof. C. B. ADAMS.
- | | |
|---------------------------------------|--------------------------------------|
| 45 <i>Melanopsis lineolata</i> Gray. | 45 <i>Planorbis dentiferus</i> Ad. |
| 45 <i>Melania spinifera</i> Ad. | 45 <i>pallidus</i> Ad. |
| 45 <i>Valvata pygmæa</i> Ad. | 45 <i>decipiens</i> Ad. |
| 45 <i>Paludina rivularis</i> Ad. | 45 <i>affinis</i> Ad. |
| 45 <i>Jamaicensis</i> Ad. | 45 <i>Ancylus obscurus</i> (?) Hald. |
| 45 <i>Ampularia fasciata</i> (?) Lam. | 45 <i>Physa Soverbyana</i> Orb. |
| 45 <i>Planorbis Mac Nabianus</i> | 45 <i>Limnæa umbilicata</i> Ad. |
| 45 <i>Redfieldi</i> Ad. [Ad.] | 45 <i>Cyclas pygmæa</i> Ad. |
| 45 <i>Haldemani</i> Ad. | 45 <i>Veatleyi</i> Ad. |
- 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-
cea: by Prof. C. B. Adams.

	Page.
51 <i>Cyclostoma avena</i> Ad.	
51 <i>Helicina lineata</i> Ad.	52 <i>Stoastoma Gouldianum</i> Ad.
51 <i>depressa</i> Gray.	52 <i>Cumingianum</i> Ad.
51 <i>affinis</i> Ad.	52 <i>Pfeifferianum</i> Ad.
51 <i>Adamsiana</i> Pfr.	52 <i>pisum</i> Ad.
51 <i>solitaria</i> Ad.	52 <i>Truncatella fusca</i> Phil.
51 <i>megastoma</i> Ad. (<i>aurantia</i> <i>Gray in errata.</i>)	52 <i>Adamsi</i> Pfr.
51 <i>costata</i> Sowb.	52 <i>scalaris</i> Mich.
51 <i>hæmastoma</i> Moric.	52 <i>costellaris</i> (?) Risso.
51 <i>Jamaicensis</i> Sowb.	52 <i>succinea</i> Ad.
52 <i>neritella</i> Lam.	52 <i>Pedipes quadridens</i> Pfr.
52 <i>albolabris</i> Ad.	52 <i>Geomelania minor</i> Ad.
52 <i>maxima</i> Sowb.	52 <i>Cylindrella pygmea</i> Ad.
52 <i>Trochatella tenuis</i> Ad.	52 <i>tenera</i> Ad.
52 <i>Josephinæ</i> Ad.	52 <i>Beardsleana</i> Ad.
52 <i>pulchella</i> Gray.	52 <i>Achatina iota</i> Ad.
52 <i>Tankervillei</i> Sowb.	52 <i>aberrans</i> Pfr.
52 <i>Lucidella aureola</i> Gray.	52 <i>Bulimus minimus</i> Ad.
52 <i>Stoastoma Blandianum</i> Ad.	52 <i>Helix apex</i> Ad.
52 <i>Redfieldianum</i> Ad.	52 <i>minuscula</i> Binney.
52 <i>Leanum</i> Ad.	52 <i>pulchella</i> Müll.
52 <i>Jayanum</i> Ad.	52 <i>Pupa Jamaicensis</i> Ad.
52 <i>Fadyenianum</i> Ad.	52 <i>milium</i> Gould.
	52 <i>minutissima</i> Hartm.

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 <i>Pleurotoma plicata</i> Ad. = P. <i>plicosa</i> Ad.	55 <i>Columbella monilifera</i> S. =
54 <i>P. decussata</i> Mac. = P. <i>Macgillivrayi</i> Ad.	55 <i>Pleurotoma monilifera</i> (<i>Columbella</i>) Sowb.
54 <i>P. violacea</i> Hinds = P. <i>Reevii</i> Ad.	55 <i>Pleurotoma alborivittata</i> Ad. = <i>P. luteo-fasciata</i> Rve.
54 <i>P. nigrescens</i> Ad. = P. ni- <i>grescens</i> Gray.	55 <i>P. trilineata</i> Ad. = P. tri- <i>fasciata</i> Gray.
54 <i>P. fuscolineata</i> Ad. = P. <i>scalpta</i> Rve.	55 <i>Mangelia alborivittata</i> (<i>Pleurotoma</i>) Ad.
	55 <i>fusca</i> (<i>Pleurotoma</i>) Ad.

[Contributions to Conchology.]

Page.		Page.	
55	Mangelia dubia (Pleurotoma) <i>Ad.</i>	55	<i>Buccinum concinnum</i> <i>Ad.</i> = Columbella.
55	multilineata (Pleurotoma) <i>Ad.</i> [<i>Ad.</i>	55	<i>Columbella purpurascens</i> <i>Ad.</i> = C. dormitor <i>Soub.</i>
55	trilineata (Pleurotoma)	55	<i>Buccinum obesum</i> <i>Ad.</i> = Co- lumbella.
55	candidissima (Pleurotoma) <i>Ad.</i>		

Note on—

55 **Geomelania Jamaicensis** *Pfr.*

56 Descriptions of supposed new species of Marine Shells which inhabit Jamaica: by Prof. C. B. ADAMS.

56	Marginella nivea <i>Ad.</i>	62	Pleurotoma diminuta <i>Ad.</i> <i>P. quadrata</i> <i>Rve?</i>
56	alba <i>Ad.</i>	62	decorata <i>Ad.</i>
56	abbreviata <i>Ad.</i>	63	albella <i>Ad.</i>
56	fluctuata <i>Ad.</i>	63	pygmæa <i>Ad.</i>
57	Mitra monilifera <i>Ad.</i>	63	flavocincta <i>Ad.</i>
57	albicostata <i>Ad.</i>	64	nodata <i>Ad.</i>
57	Columbella fenestrata <i>Ad.</i>	64	quadrilineata <i>Ad.</i>
58	costulata <i>Ad.</i>	64	fusiformis <i>Ad.</i>
58	Terebra Jamaicensis <i>Ad.</i>	65	Mangelia densestriata <i>Ad.</i>
58	Purpura aberrans <i>Ad.</i>	65	muricoides <i>Ad.</i>
59	Conus armillatus <i>Ad.</i>	65	biconica <i>Ad.</i>
59	Triton parvus <i>Ad.</i>	66	lanceolata <i>Ad.</i>
60	pulchellus <i>Ad.</i>	66	crassicostata <i>Ad.</i>
60	Murex intermedius <i>Ad.</i>	66	brevis <i>Ad.</i>
60	pauperculus <i>Ad.</i>	66	vicina <i>Ad.</i>
60	Fusus nitens <i>Ad.</i>	67	Scalaria ligata <i>Ad.</i>
61	Pleurotoma augustæ <i>Ad.</i>	67	Phasianella affinis <i>Ad.</i>
61	Jayana <i>Ad.</i>	67	brevis <i>Ad.</i>
61	solida <i>Ad.</i>	67	tesselata <i>Ad.</i>
62	fuscocincta <i>Ad.</i>	68	concolor <i>Ad.</i>
62	maculata <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	Phasianella concinna <i>Ad.</i>	71	Litiopa effusa <i>Ad.</i>
69	Trochus pulcher <i>Ad.</i>	71	obesa <i>Ad.</i>
70	Cingula (?) concinna <i>Ad.</i>	71	Littorina Jamaicensis <i>Ad.</i>
70	(?) solida <i>Ad.</i>	72	Chemnitzia latior <i>Ad.</i>
70	(?) conica <i>Ad.</i>	72	puncta <i>Ad.</i>

[Contributions to Conchology.]

- | Page. | | Page. | |
|-------|---|-------|--|
| 72 | Chemnitzia obeliscus <i>Ad.</i> | 74 | Chemnitzia pusilla <i>Ad.</i> |
| 73 | subulata <i>Ad.</i> | 74 | flavocincta <i>Ad.</i> |
| 73 | levis <i>Ad.</i> | 74 | multicostata <i>Ad.</i> |
| 73 | substriata <i>Ad.</i> | 75 | reticulata <i>Ad.</i> |
| 74 | exilis <i>Ad.</i> | | |
| | Note on— | | |
| 75 | Pholas corticaria <i>Sowb.</i> | | |
| 76 | Descriptions of supposed new species and varieties of Terrestrial Shells which inhabit Jamaica: by Prof. C. B. ADAMS. | | |
| 76 | Helix ingens <i>Ad.</i> | 81 | Proserpina bidentata <i>Ad.</i> |
| 77 | valida <i>Ad.</i> | 82 | Cylindrella Greyana <i>Ad.</i> |
| 77 | fortis <i>Ad.</i> | 82 | lata <i>Ad.</i> |
| 79 | invalida <i>Ad.</i> | 82 | Hollandi <i>Ad.</i> |
| 79 | propenuda <i>Ad.</i> | 83 | augustæ <i>Ad.</i> |
| 80 | candescens <i>Ad.</i> | 83 | Achatina Blandiana <i>Ad.</i> |
| 80 | Foremaniana <i>Ad.</i> | 83 | puella <i>Ad.</i> |
| 80 | alveus <i>Ad.</i> | 84 | perplexa <i>Ad.</i> |
| 80 | columellata <i>Ad.</i> | 84 | Geomelania <i>Ad.</i> |
| 81 | Proserpina discoidea <i>Ad.</i> | 84 | Cyclostoma aculeosum <i>Ad.</i> = |
| 81 | pulchra <i>Ad.</i> | | C. Hillianum <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 | Spiraxis <i>Ad.</i> (n. g.) | 88 | Spiraxis costulosus <i>Ad.</i> |
| 88 | aberrans <i>Ad.</i> | | |
| 88 | Description of Jamaicia , a new sub-genus of Cyclostoma: by Prof. C. B. ADAMS. | | |
| 88 | Notes on certain species of the Land Shells of Jamaica: by Prof. C. B. ADAMS. | | |
| 88 | Helicina Hollandi <i>Ad.</i> | 89 | Geomelania Beardsleana |
| 89 | Lucidella aureola <i>Ad.</i> | 89 | pygmæa <i>Ad.</i> [<i>Ad.</i> |
| 89 | granulosa <i>Ad.</i> | 89 | striosa <i>Ad.</i> |
| 89 | Cyclostoma Jayanum <i>Ad.</i> | 89 | Helicina hæmastoma <i>Moric.</i> |
| 89 | nigrilabre <i>Ad.</i> | 89 | aurantia <i>Gray.</i> |
| 89 | Chittyi <i>Ad.</i> | 90 | Cylindrella brevis <i>Ad.</i> |
| 89 | fimbriatulum <i>Sowb.</i> | 90 | Achatina pellucens <i>Ad.</i> |
| 89 | Geomelania elegans <i>Ad.</i> | | |

[Contributions to Conchology.]

Page.

90 Description of supposed new species of Land Shells which inhabit Jamaica: by Prof. C. B. ADAMS.

Page.	Page.
90 <i>Cyclostoma virgineum</i> Ad.	96 <i>Geomelania media</i> Ad.
90 <i>anomalum</i> Ad.	96 <i>vicina</i> Ad.
91 <i>nodulosum</i> Ad.	96 <i>striosa</i> Ad.
91 <i>retrorsum</i> Ad.	96 <i>costulosa</i> Ad.
92 <i>Shepardianum</i> Ad.	97 <i>conica</i> Ad.
92 <i>papyraceum</i> Ad.	97 <i>pauperata</i> Ad.
93 <i>Griffithianum</i> Ad.	97 <i>exilis</i> Ad.
93 <i>granosum</i> Ad.	98 <i>Cylindrella costulosa</i> Ad.
93 <i>Helicina dubiosa</i> Ad.	98 <i>Helix sulphurea</i> Ad.
94 var. <i>intermedia</i> Ad.	98 <i>Dolium perdix</i> Ad.
94 <i>Geomelania fortis</i> Ad.	98 <i>Helix picturata</i> Ad.
94 <i>magna</i> Ad.	<i>H. sinuata</i> Born.
95 <i>procera</i> Ad.	<i>sinuosa</i> Gmel.
95 <i>gracilis</i> Ad.	100 <i>picturata</i> Ad.
95 <i>typica</i> Ad.	100 <i>sinuata</i> Deless.
96 var. <i>pygmæa</i> Ad.	<i>H. picturata</i> Ad.
96 <i>affinis</i> Ad.	

No. 7.

April, 1850.

100 Descriptions of supposed new species of Land Shells which inhabit Jamaica: by Prof. C. B. ADAMS.

101 <i>Helicina ampliata</i> Ad.	104 <i>Achatina osculans</i> Ad.
101 <i>pusilla</i> Ad.	105 <i>Helix connectens</i> Ad.
101 <i>Cylindrella humilis</i> Ad.	105 <i>alligans</i> Ad.
102 <i>pusilla</i> Ad.	105 <i>amabilis</i> Ad.
102 <i>pupæformis</i> Ad.	106 <i>fuscolabris</i> Ad.
102 <i>procera</i> Ad.	106 <i>nobilis</i> Ad.
102 <i>Achatina costulosa</i> Ad.	107 <i>Redfieldiana</i> Ad.
103 <i>nitida</i> Ad.	107 <i>Blandiana</i> Ad.
103 <i>Gayana</i> Ad.	107 <i>osculans</i> Ad.
103 <i>similis</i> Ad.	108 <i>Proserpina pisum</i> Ad.
104 <i>tenera</i> Ad.	108 <i>Helix ingens</i> Ad.
104 <i>longispira</i> Ad.	108 <i>Cyclostoma Sauliæ</i> Sowb.
104 <i>gracillior</i> Ad.	108 <i>suturale</i> Sowb.

109 Descriptions of supposed new species of Marine Shells which inhabit Jamaica: by Prof. C. B. ADAMS.

109 <i>Narica</i> (?) <i>anomala</i> Ad.	110 <i>Odostomia solidula</i> Ad.
109 <i>Odostomia gemmulosa</i> Ad.	110 <i>Eulina gracilis</i> Ad.
109 <i>canaliculata</i> Ad.	110 <i>arcuata</i> Ad.
109 <i>ovuloides</i> Ad.	110 <i>conica</i> Ad.

[Contributions to Conchology.]

Page.		Page.	
110	<i>Eulima affinis</i> <i>Ad.</i>	117	<i>Cerithium modestum</i> <i>Ad.</i>
111	(?) <i>fulvo-cincta</i> <i>Ad.</i>	117	<i>melanura</i> <i>Ad.</i>
111	<i>Natica proxima</i> <i>Ad.</i>	117	<i>decoratum</i> <i>Ad.</i>
111	<i>Jamaicensis</i> <i>Ad.</i>	117	<i>dealbatum</i> <i>Ad.</i>
112	<i>Neritina ornata</i> <i>Ad.</i>	117	<i>nanum</i> <i>Ad.</i>
112	(?) <i>pusilla</i> <i>Ad.</i>	118	<i>mirabile</i> <i>Ad.</i>
112	<i>Rissoa subangulata</i> <i>Ad.</i>	118	<i>exiguum</i> <i>Ad.</i>
113	<i>aberrans</i> <i>Ad.</i>	119	<i>intermedium</i> <i>Ad.</i>
113	<i>scalaroides</i> <i>Ad.</i>	119	<i>versicolor</i> <i>Ad.</i>
114	<i>lævigata</i> <i>Ad.</i>	119	<i>megasoma</i> <i>Ad.</i>
114	<i>dubiosa</i> <i>Ad.</i>	120	<i>gemmaulosum</i> <i>Ad.</i>
114	<i>pulchra</i> <i>Ad.</i>	120	<i>exile</i> <i>Ad.</i>
114	<i>multicostata</i> <i>Ad.</i>	120	<i>fusiforme</i> <i>Ad.</i>
115	<i>vitrea</i> <i>Ad.</i>	121	<i>pulchellum</i> <i>Ad.</i>
115	<i>lævissima</i> <i>Ad.</i>	121	<i>rugulosum</i> <i>Ad.</i>
115	<i>eulimoides</i> <i>Ad.</i>	122	<i>vicinum</i> <i>Ad.</i>
116	<i>striosa</i> <i>Ad.</i>	122	<i>latum</i> <i>Ad.</i>
116	<i>princeps</i> <i>Ad.</i>	122	<i>flavum</i> <i>Ad.</i>
116	(?) <i>melanura</i> <i>Ad.</i>	122	<i>albovittatum</i> <i>Ad.</i>

[For pp. 125-157, 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-</i> <i>ianum</i> <i>Ad.</i>	204	<i>Helix pretiosa</i> <i>Ad.</i>
203	<i>Swiftianum</i> <i>Ad.</i>	204	<i>Ancylus obliquus</i> <i>Ad.</i> = A. Chittyi <i>Ad.</i>
203	<i>Troscheli</i> <i>Pfr.</i>	204	<i>Helix incerta</i> <i>Ad.</i>
204	<i>Tornatellina Cubensis</i> <i>Pfr.</i>	204	<i>lima</i> <i>Ad.</i>
204	<i>Helix Schroeteriana</i> <i>Pfr.</i>	204	<i>angustata</i> <i>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	Helix patina <i>Ad.</i>	Page.	
205	acuta <i>Lam.</i>	206	Helix tumida <i>Pfr.</i>
205	Chemnitziana <i>Pfr. = H.</i>	206	tunicata <i>Ad.</i>
	<i>fluctuata</i> <i>Ad.</i>	206	Chittyana <i>Ad.</i>
205	Helix ingens <i>Ad.</i>	206	valida <i>Ad.</i>
205	Bainbridgei <i>Pfr.</i>	206	anomala <i>Pfr.</i>
206	Incerna <i>Müll.</i>		
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	Helix depicta <i>Grat.</i>	218	Achatina octona <i>Chemn.</i>
216	plicaria <i>Lam.</i>		<i>Bulinus octona</i> <i>Lam.</i>
216	squamosa <i>Fer.</i> [<i>Fer.</i>	219	? ——— (sp. ined.)
216	Bulinus bæticatus (Helix)	219	? iota <i>Ad.</i>
216	badiusus (Helix) <i>Fer.</i>	219	Bulinus exilis (Helix) <i>Gmel.</i>
216	Pupa decumana (Helix) <i>Fer.</i>		<i>B. Guadaloupensis</i> <i>Brug.</i>
216	Cylindrella gracilicollis	220	var β trifasciatus <i>Pfr.</i>
	(Helix) <i>Fer.</i>	220	virgulatus (Cochlogena)
216	Maugeri (Helix) <i>Wood.</i>		<i>Fer.</i>
216	Cyclostoma Antillarum <i>Sb.</i>		<i>B. Caribbeonum</i> <i>Lam.</i>
	<i>Megalomastoma Antillarum</i>	221	? Dysoni <i>Pfr.</i>
	Gray.	221	? ——— (sp. ined.)
216	Newcombianum <i>Ad.</i>	221	? subula (Achatina) <i>Pfr.</i>
	<i>C. Swiftianum</i> <i>Ad.</i>		<i>B. hortensis</i> <i>Ad?</i>
	<i>Troscheli</i> <i>Ad.</i>	221	? ——— (sp. ined.)
	<i>Newcombianum</i> <i>Ad.</i>	222	? ——— (sp. ined.)
217	Helicina subfusca <i>Mke.</i>	222	Pupa servilis? <i>Gould.</i>
	<i>Hel. rotulina</i> <i>Mich.</i>	222	Succinea Sagra? <i>Orb.</i>
	<i>castanea</i> <i>Gould?</i>	222	Helix incerta (Helicostyla)
	<i>Hornbeckii</i> <i>Phil.</i>		<i>H. lima</i> <i>Rve.</i> [<i>Fer.</i>
	<i>subfusca</i> <i>Küst.</i>	223	nemoralina <i>Pet.</i>
217	? ——— (sp. ined.)	223	? ——— (sp. ined.)
217	Cylindrella pallida (Bra-	223	? ——— (sp. ined.)
	chypus) <i>Guild.</i>	223	? peraffinis <i>Ad.</i>
218	? ——— (sp. ined.)	224	? ——— (sp. ined.)

[Contributions to Conchology.

Page.

224 On the Clausiliae of America: by THOMAS BLAND.

225	Clausilia tridens (Turbo)	Page.	
	<i>Clemm.</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 bicaniculata</i>	227	Clausilia Peruana Trosch.
	(<i>Cochlodina</i>) Fer.	228	epistomium Küst.

228 Catalogue of Terrestrial Shells collected by T. BLAND in New Granada, in 1851.

228	Cyclostoma giganteum	229	Bulimus oblongus Müll.
228	Popayanum Lea. [Gray.	230	geometricus Pfr.
228	Quitense Pfr.	230	spectatus Ree.
229	Helicina concentrica Pfr.	230	? linostoma D'Orb.
229	Bulimus Demisoni Ree.	230	? Pealianus Lea.
229	Powisianus Pet.	230	succinoides Pet.
229	Gibbonius Lea.	230	nitelinus Ree.
229	castaneus Pfr.	230	Gruneri Pfr.
229	maximus Sowb.		

No. 12.

231 Catalogue of Terrestrial Shells collected by T. BLAND in New Granada, in 1851—*continued*.

231	Bulimus Lamarckianus Pfr.	232	Helix Oreas (var.)
231	Adamsoni Gray.	232	? atrata Pfr.
231	Streptaxis Candeara (He- lix) Pet.	232	subplanata ? (Caracolla)
231	Helix Gibboni Pfr.	232	? monile Brod. [Pet. <i>H. planorbis</i> Jay.
231	Oreas Koch.	233	Clausilia epistomium Küst.

233 Descriptions of new species of *Corbula* from Jamaica: by Prof. C. B. ADAMS.

234	Corbula Krebsiana Ad.	238	Corbula Chittyana Ad.
234	Blandiana Ad.	238	Knoxiana Ad.
235	Dietziana Ad.	239	quadrata Hinds.
236	Swiftiana Ad.	240	Newtoniana Ad.
237	Kjerriana Ad.	240	fulva Ad.
237	Barrattiana 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.

243	<i>Lucina Americana</i> Ad.	Page.	
243	<i>Anatellinoides</i> Ree.	245	<i>Lucina Janeirensis</i> Ree.
243	<i>Antillarum</i> Ree.	245	<i>pectinata</i> Ad.
244	<i>aurantia</i> Desh.	246	<i>pectinella</i> Ad.
244	<i>Chemnitzii</i> Phil.	246	<i>Pennsylvanica</i> (Venus)
244	<i>edentula</i> (Venus) Linn.	246	<i>pilula</i> Ad. [Linn.
244	<i>exasperata</i> Ree.	247	<i>scabra</i> Ree.
244	<i>funiculata</i> Ree.	247	<i>soror</i> Ad.
245	<i>granulosa</i> Ad.	247	<i>tigerina</i> (Venus) Linn.
245	<i>imbricatula</i> Ad.	247	<i>virgo</i> Ree.
245	<i>Jamaicensis</i> (Venus) Ch.		

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 ¹	<i>Helix lithophaga</i> Conr.	Wady en-Nar. [Jezzin.
228	xv	80	<i>ligata</i> Müll.	Between Mukhtarrah &
229	xxii	129 ²	<i>Carocolla tuberculosa</i> Conr.	Shore of Dead Sea.
229	xxii	130 ³	<i>Paludina Phialensis</i> Conr.	Lake Phiala.

¹ Fig. 133.² Fig. 132.³ 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		Anchorocophorus <i>Gould</i> (n. g.)	
2	6-6 ^c	bitentaculatus <i>Gould.</i>	
		<i>Limax bitentaculatus</i> Quoy.	
4	3-3 ^b	Limax olivaceus <i>Gould.</i>	Paramatta, N. S. W.
5	4, 4 ^a	fuliginosus <i>Gould.</i>	Bay of Islands, N. Z.
5	5-5 ^b	Vaginulus Taunaisii <i>Fer.</i>	Rio Janeiro.
6	7-7 ^d	Vitrina ruivensis <i>Gould.</i>	Pico de Ruivro, Madeira.
7	12-12 ^a	marcida <i>Gould.</i>	Roche de Empeña, Mad.
9	8-8 ^b	nitida <i>Gould.</i>	Roche de Empeña, Mad.
10	11-11 ^b	robusta <i>Gould.</i>	New South Wales.
10	9, 9 ^a	caperata <i>Gould.</i>	Kauai.
11	10-10 ^c	tenella <i>Gould.</i>	Kauai.
12	13	furva <i>Gould.</i>	St. Anna, Madeira.
		<i>Helix furva</i> Lowe.	
13	31-31 ^c	Succinea explanata <i>Gould.</i>	Kauai.
13	16-16 ^b	putamen <i>Gould.</i>	Upolu.
15	14-14 ^c	rotundata <i>Gould.</i>	Oahu.
16	15-15 ^b	cepulla <i>Gould.</i>	Hawaii.
17	18-18 ^b	tumbalis <i>Gould.</i>	Hawaii, &c.
18	19, 19 ^a	humerosa <i>Gould.</i>	Tahiti.
19	26-26 ^a	infundibuliformis <i>Gould.</i>	Tahiti, &c.
20	28-28 ^b	procera <i>Gould.</i>	Tahiti, &c.
21	17, 17 ^a	vesicalis <i>Gould.</i>	Hawaii.
21	27-27 ^b	pudorina <i>Gould.</i>	Tahiti, &c.
22	25-25 ^b	vonucta <i>Gould.</i>	Hawaii, &c.
23	24-24 ^b	modesta <i>Gould.</i>	Tahiti, &c.
24	22-22 ^c	Magellanica <i>Gould.</i>	Tierra del Fuego.
25	23-23 ^b	Manuana <i>Gould.</i>	Manua.
26	30-30 ^b	caduca <i>Mighels.</i>	Sandwich Islands.
27	20-20 ^b	canella <i>Gould.</i>	Maui.
28	21-21 ^b	crocata <i>Gould.</i>	Upolu, &c.
29	66, 66 ^a	Nanina rubricata <i>Gould (Helix).</i>	Lebonka.
31	68-68 ^b	lurida <i>Gould (Helix).</i>	Feejee Islands.
31	69-69 ^b	casca <i>Gould.</i>	Feejee Islands.
		<i>Helix calva</i> <i>Gould.</i>	
32		fricata <i>Gould.</i>	New South Wales.

[Gould, Exploring Expedition.]

Pa.	Fig.		
33	67-67 ^b	Nanina scorpis Gould (<i>Helix</i>).	Feejee Islands.
34	65-65 ^c	irradiata Gould (<i>Helix</i>).	New Zealand.
35	47	Helix intaminata Gould.	Mangsi.
38	45-45 ^c	spirillus Gould.	Lima.
39	34-34 ^c	lyrata Gould.	Orange Harbor, Tierra d.
40	46-46 ^c	pauzillus Gould.	East Maui. [Fuego.
		<i>Helix pusillus</i> Gould.	
41	44-44 ^c	zig-zag Gould.	Taiaimi, New Zealand.
42	33-33 ^c	saxatilis Gould.	Orange Harbor, Tierra d.
43	73-73 ^c	cicercula Gould.	Hawaii. [Fuego.
44	72-72 ^c	cryptoportica Gould.	Oahu.
45	60-60 ^c	pertenuis Gould.	Metia Island.
46	59-59 ^c	cultrata Gould.	Tahiti, &c.
47	61-61 ^c	exæquata Gould.	Kauai.
48	63-63 ^c	calculosa Gould.	Tahiti.
48	62-62 ^c	subtilissima Gould.	Maui.
49	48-48 ^c	gradata Gould.	Tonga Island.
50	64-64 ^b	fornicata Gould.	Kauai.
50	49-49 ^c	rubiginosa Gould.	Kauai.
51	52-52 ^m	bursatella Gould.	Tahiti, &c.
53	50-50 ^c	obolus Gould.	Tahiti.
54	51-51 ^d	dædalea Gould.	Tahiti, &c.
55	52*-52* ^c	hystrix Mighels.	East Maui.
		<i>H. setigera</i> Gould.	
56	52†-52† ^o	stellula Gould.	Maui.
57	56-56 ^c	Cressida Gould.	Society Islands, &c.
58	55-55 ^c	troilus Gould.	Upolu, &c.
60	57-57 ^b	Eurydice Gould.	Tongataboo.
61	58-58 ^b	trochiformis Fer.	Eimeo, &c.
62	53-53 ^b	tumulus Gould.	Feejee Islands.
63	54	tentoriolum Gould.	Upolu.
64	32, 32 ^a	nitidiuscula Sowb.	Madeira.
64	43-43 ^b	gulosa Gould.	Mawana, N. S. Wales.
64		pedestris .	
71	70, 70 ^a	Streptaxis contusa Fer.	
		<i>Helix contundata</i> Fer.	
		<i>contusa</i> Fer.	
72	82, 82 ^a	Bulimus morosus Gould.	Feejee Islands.
72	84, 84 ^a	elobatus Gould.	Feejee Islands.
73	83, 83 ^a	pruninus Gould.	Madeira Island.
74	79, 79 ^a	prolatus Gould.	Santiago, Chili.
75	80, 80 ^a	ciliatus Gould.	Organ Mts., Brazil.
76	87-87 ^b	junceus Gould.	Tahiti, &c.

- [Gould, Exploring Expedition.]
- | Pa. | Fig. | | |
|-----|-----------------------|--|-----------------------|
| 77 | 86, 86 ^a | Bulimus egregius Pfr. | Rio Janeiro. |
| | | <i>B. hybridus</i> Gould. | |
| 78 | 75 | auris-leporis 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 ^a | proteus Br. | Chili. |
| | | <i>B. sordidus</i> Lam. | |
| | | <i>Buliminus proteus</i> Beck. | |
| 79 | 81-81 ^b | Chilensis Lam. | Chili. |
| | | <i>Achatina Chilensis</i> Less. | |
| | | <i>Bulimus granulatus</i> Br. | |
| | | <i>Bulimulus graniger</i> Beck. | |
| 79 | 85-85 ^b | Shongii Less. | Bay of Islands, N. Z. |
| 80 | 77 | fulguratus Jay. | Feejee Islands. |
| 81 | 78 | malleatus Jay. | Feejee Islands. |
| 81 | 88, 88 ^a | Partula conica Gould. | Upolu, &c. |
| 82 | 89, 89 ^a | zebrina Gould. | Upolu, &c. |
| 83 | 90, 90 ^a | pusilla Gould. | Metia Island. |
| 84 | 91 | Taheitana Brug. | Honolulu. |
| | | <i>P. auriculata</i> Brod. | |
| | | <i>Bulimus auriculatus</i> Pfr. | |
| 85 | 92 | varia Brod. | |
| | | <i>Bulimus varius</i> Pfr. | |
| 85 | 93 | Vanikorensis Quoy & Quim. (<i>Helix</i>). | |
| | | <i>Bulimus Vanikorensis</i> Desh. | |
| 85 | 94, 94 ^a | Achatinella marmorata Gould. | Maui. |
| 86 | 95 | nubilosa Gould. | Maui. |
| 87 | 96, 96 ^a | ellipsoidea Gould. | Maui. |
| 87 | 100, 100 ^a | acuminata Gould. | Kauai. |
| 88 | 97, 97 ^a | accincta Mighels. | Oahu. |
| | | <i>A. Sandwicensis</i> . | |
| 89 | 98, 98 ^a | guttula Gould. | Maui. |
| 90 | 99, 99 ^a | cerealis Gould. | Waianai, Oahu. |
| 91 | 105-105 ^b | Balea peregrina Gould. | New Zealand. |
| 91 | 101 | Megaspira elata Gould. | Brazil. |
| | | <i>Bulimus elatior</i> (var. γ) | |
| 92 | 103-103 ^b | Vertigo tantilla Gould. | [Pfr. Tahiti. |
| 93 | 104-104 ^e | Pupa peponum Gould. | Oahu, &c. |
| 94 | 114-114 ^c | Helicina uberta Gould. | Oahu, &c. |
| | | <i>H. constricta</i> Pfr. | |

[Gould, Exploring Expedition.]

Pa.	Fig.		
95	112	Helicina Maugerieræ Gr.	Tahiti, &c.
95	111, 111 ^a	beryllina Gould.	Feejee Islands.
96	113-113 ^c	pallida Gould.	Feejee Islands.
97	106-106 ^c	fulgora Gould.	Manua.
98	107-107 ^b	musiva Gould.	Manua, &c.
99	108-108 ^c	laciniosa Mighels.	Kauai, &c.
99	109-109 ^c	trochlea Gould.	Metia Island.
100	110-110 ^c	multicolor Gould.	Tahiti, &c.
101	116, 116 ^a	Cyclostoma tiara Gould.	Upolu.
102	117-117 ^b	strigatum Gould.	Upolu.
103	118-118 ^b	plicatum Gould.	Upolu.
104	119, 119 ^a	obligatum Gould.	Metia Island.
105	124-124 ^b	diatretum Gould.	Feejee Islands.
105	121-121 ^b	roseum Gould.	Feejee Islands.
106	120-120 ^b	terebrale Gould.	Tahiti, &c.
107	122, 122 ^a	vallatum Gould.	Tonga Island.
108	123-123 ^b	scitulum Gould.	Tahiti, &c.
109	126-126 ^b	Truncatella Vitiana Gould.	Feejee Islands.
110	125-125 ^b	aurantia Gould.	Mangsi Island.
110	127-127 ^b	porrecta Gould.	Tahiti.
111	128-128 ^b	rostrata Gould.	Rio Janeiro.
114	133	Planorbis kermatoides D'Or.	Lima.
114		ferrugineus Spix.	
115	134-134 ^b	Physa venustula Gould.	Lima.
116	136-136 ^b	tabulata Gould.	Bay of Islands, N. Z.
117	137, 137 ^a	gibbosa Gould.	Paramatta, N. S. W.
118	139-139 ^b	sinuata Gould.	Feejee Islands.
118	140-140 ^b	reticulata Gould.	Sandwich Islands.
120	135	rivalis Pot. & Mich.	Lima.
122	142-142 ^b	Limnea volutata Gould.	Oahu.
123	145, 145 ^a	Dombeya fasciata Gould.	Chili.
124	143, 143 ^a	obovata Gould.	Chili.
124	144, 144 ^a	fluminea D'Orb.	Patagonia.
		<i>Chilina fluminea</i> Gray.	
		<i>Voluta fluminea</i> Maton.	
125	495-495 ^b	Ancylus aduncus Gould.	Madeira.
126	150-150 ^b	Ammicola badia Gould.	Tipoona, New Zealand.
127	151-151 ^b	gracilis Gould.	Tipoona, New Zealand.
128	147, 147 ^a	Ampullaria columellaris Gld.	Mayras, Peru.
129	149-149 ^b	Ammicola corolla Gould.	Banks Pen, New Zeal'd.
		<i>Melania corolla</i> Gould.	
130	152-152 ^b	Cingula Peteningensis Gould.	Rio de Janeiro.
130	146-146 ^b	Melanopsis Zeylandica Gould.	New Zealand.
132	154-154 ^c	cybele Gould.	Feejee Islands, &c.

[Gould, Exploring Expedition.]

Page.	Fig.		
133	153-153 ^b	Melanopis tetrica <i>Gould.</i>	Feejee Islands, &c.
133	155-155 ^b	terpsichore <i>Gould.</i>	Feejee Islands, &c.
134	156-156 ^c	scipio <i>Gould.</i>	Feejee Islands, &c.
136	159-159 ^c	lutosa <i>Gould.</i>	Upolu.
137	161-161 ^b	corporosa <i>Gould.</i>	Tahiti.
138	157-157 ^b	Vainafa <i>Gould.</i>	Upolu.
139	162, 162 ^a	furforosa <i>Gould.</i>	Manilla.
140	158-158 ^b	scitula <i>Gould.</i>	Upolu.
142	160-160 ^c	perpinguis <i>Hinds.</i>	Feejee Islands, &c.
145	170-170 ^b	Cerithium sordidulum <i>Gould.</i>	
146	169-169 ^b	invaginatum <i>Gould.</i>	Feejee Islands.
147	167-167 ^b	aduncum <i>Gould.</i>	Mindanao.
148	168, 168 ^a	irroratum <i>Gould.</i>	
148	174-174 ^d	cælatum <i>Couth.</i>	Orange Har., T. d. Fuego.
150	172-172 ^b	pusillum <i>Gould.</i>	Sandwich Islands.
151	171-171 ^b	egenum <i>Gould.</i>	Wilson's Island.
152	173-173 ^b	janthinum <i>Gould.</i>	Clermont-Tonnere.
153		Pelex <i>Gould</i> (n. g.)	
153	176-176 ^d	lateralis <i>Gould.</i>	Wangarara, N. Zealand.
155	177-177 ^b	Navicella Freycineti <i>Recl.</i>	Macassar.
156	178, 178 ^a	porcellana <i>Chemn.</i>	
		<i>N. elliptica</i> <i>Lam.</i>	
156	187-187 ^b	Neritina cholERICA <i>Chemn.</i>	Feejee Islands.
157	191, 191 ^a	porcata <i>Gould.</i>	Samoa Island.
158	188, 188 ^a	chrysocolla <i>Gould.</i>	Upolu.
159	192, 192 ^a	amœna <i>Gould.</i>	
160	190, 190 ^a	siderea <i>Gould.</i>	Upolu.
161	182, 182 ^a	canalis <i>Sowb.</i>	Society Island.
161	179	granosa <i>Sowb.</i>	Sandwich Islands.
161	181	Taitensis <i>Soul.</i>	
162	180	Lamarckii <i>Desh.</i>	
		<i>N. auriculata</i> <i>Sowb.</i>	
162		Nuttallii <i>Recl.</i>	
163	183	gagates <i>Desh.</i>	
163	193	undata <i>Desh.</i>	
		<i>Clithon undatus</i> <i>Less.</i>	
		<i>N. spinosa</i> <i>Sowb.</i>	
163	184, 184 ^a	cornea <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 ^a	ruginosa <i>Recl.</i>	Samoa and Friendly Isl.
164	191	caffra <i>Gray.</i>	Tahiti.

[Gould, Exploring Expedition.]

Page. Fig.

165	Neritina Turtoni Ree.	Feejee Islands.
	<i>N. helvola</i> Gould.	
165	197, 197 ^a Nerita musiva Gould.	
166	195, 195 ^a <i>crassa</i> Gould.	
167	<i>plicata</i> Linn.	
167	194, 194 ^a <i>albicilla</i> Linn.	
167	196, 196 ^a <i>undata</i> Linn.	
169	198-198 ^c Turbo setosus Chemn.	Clermont Tonnerre.
170	199-199 ^b <i>argyrostomus</i> Chemn.	
170	200 <i>sparverius</i> Gmel.	
171	201, 201 ^a <i>petholatus</i> Linn.	
171	212, 212 ^a <i>niger</i> Gray.	Callao and Valparaiso.
171	202-202 ^b <i>confragosus</i> Gould.	Dean's Island, Paumatu
173	203-203 ^d <i>sirius</i> Gould.	New Holland.
174	204-204 ^e <i>laciniatus</i> Gould.	Manilla.
175	221-221 ^c Trochus bicrenatus Gould.	
175	210-210 ^c <i>gradatus</i> Gould.	
176	220-220 ^b <i>circumsutus</i> Gould.	Madagascar?
177	209-209 ^b <i>jucundus</i> Gould.	New Zealand.
178	216-216 ^c <i>elisis</i> Gould.	Singapore.
179	217-217 ^c <i>acinosus</i> Gould.	New Zealand.
180	205-205 ^b <i>pruninus</i> Gould.	Aukland Island.
181	206-206 ^b <i>texturatus</i> Gould.	
182	211 <i>ater</i> Less.	Valparaiso and Callao.
182	213 Araucanus D'Orb.	Valparaiso, &c.
183	<i>mcestus</i> Jonas.	
183	223, 223 ^a <i>colubrinus</i> Gould.	Funchal.
184	215-215 ^b <i>tantillus</i> Gould.	Sandwich Islands.
186	208-208 ^b <i>pupillus</i> Gould.	New Zealand.
187	218-218 ^c <i>amcenus</i> Gould.	Feejee Islands.
188	219-219 ^c <i>spurcus</i> Gould. [Gould.	Madeira Island.
189	224-224 ^d (Monodonta) <i>atropurpureus</i> Tutuila.	
190	225-225 ^c <i>instrictus</i> Gld.	Pacific Ocean.
191	222-222 ^b <i>rotellinus</i> Gld.	Mangsi.
192	227, 227 ^a (Bembicium) <i>squamiferus</i> Koch.	
192	228-228 ^c Margarita Magellanica Gld.	Orange Har., T. d. Fuego.
193	230-230 ^b <i>persica</i> Gould.	Cape Horn.
194	229-229 ^c <i>conica</i> D'Orb.	Patagonia. [30' W.
195	252, 252 ^a Litiopa decussata Gould.	Lat. 37° 40' N., long. 54°
196	226-226 ^c Solarium egenum Gould.	New Zealand.
198	240-240 ^b Littorina caliginosa Gould.	Tierra del Fuego.
200	239-239 ^b <i>acuminata</i> Gould.	Mangsi Island.
202	235, 235 ^a <i>obesa</i> Sowb.	Clermont Tonnerre, &c.
202	234, 234 ^a <i>pyramidalis</i> Quoy & Gaim.	

[Gould, Exploring Expedition.]

Page.	Fig.		
203	233, 233 ^a	Littorina grandinosa <i>Desh.</i>	
		<i>Trochus grandinosa</i> Chemn.	
		<i>bullatus</i> Martyn.	
		<i>Monodonta papillosa</i> Lam.	
203		Peruviana <i>Gray.</i>	Valparaiso, &c.
		<i>Turbo zebra</i> Wood. [Lam.	
		<i>Phasianella Peruvianā</i>	
203	251-251 ^b	Planaxis lineolatus <i>Gould.</i>	Wilson's Island.
204	242-242 ^b	Melampus mucronatus <i>Gould.</i>	Raraka Island.
205	245-245 ^b	Scalaria gracilentā <i>Gould.</i>	Mangsi Island.
206	244-244 ^b	<i>texturata</i> <i>Gould.</i>	
206		<i>australis</i> <i>Lam.</i>	
207	246-247	Stylifer acicula <i>Gould.</i>	Feejee Islands.
208	248, 248 ^a	Haliotis crispata <i>Gould.</i>	New Holland.
209	249-249 ^b	Stomatella tumida <i>Gould.</i>	Singapore, &c.
210	250-250 ^b	<i>decolorata</i> <i>Gould.</i>	Mangsi Island.
213	255, 255 ^a	Natica dilecta <i>Gould.</i>	Rio Negro, Patagonia.
215	257, 257 ^a	<i>soluta</i> <i>Gould.</i>	South America.
215		Ampullacea Busbyi <i>Gould.</i>	New Zealand.
		<i>Helix busbyi</i> <i>Gray.</i>	
216	259-259 ^c	Sigaretus antarcticus <i>Couth.</i>	Orange Harbor.
217	260-260 ^b	<i>prætenuis</i> <i>Gould.</i>	Orange Harbor.
217	261-261 ^c	Rissoa ambigua <i>Gould.</i>	Clermont Tonnerre.
		<i>Pyramidella ambigua</i> <i>Gld.</i>	
218	263-263 ^b	Tornatella bullata <i>Gould.</i>	Patagonia.
220	267, 267 ^a	Bulla parallela <i>Gould.</i>	
220	264	<i>bifasciata</i> <i>Mart. & Ch.</i>	Feejee Islands.
		<i>B. ampulla</i> (var.) <i>Linn.</i>	
221	266, 266 ^a	<i>rubiginosa</i> <i>Gould.</i>	Rio de Janeiro.
222	265-265 ^d	<i>diaphana</i> <i>Gould.</i>	Rio de Janeiro.
223	268	Aplysia pulmonica <i>Gould.</i>	Tutuila.
223	269, 269 ^a	Bursatella lacinulata <i>Gould.</i>	Rio de Janeiro.
224		Stylocheilus <i>Gould.</i> (n. g.)	
225	270-270 ^b	<i>lineolatus</i> <i>Gould.</i>	Honolulu.
226	271	<i>quercinus</i> <i>Gould.</i>	Feejee Islands.
226	272	Janthina exigua <i>Lam.</i>	Lat. 18° 20' S., long. 132°
227	273	<i>fragilis.</i>	[W.]
227	276	Pyrrula deformis <i>Lam.</i> [Kein. Tutuilla.	
		<i>Purpura abbreviata</i> (var.)	
227	277-277 ^b	Fusus Geversianus <i>Pallas.</i>	
		<i>Buccinum fimbriatum</i> <i>Mart.</i>	
		<i>Murex Magellanicus</i> <i>Gmel.</i>	
228	278	<i>laciniatus</i> <i>Martyn.</i>	Orange Harbor.
229	279-279 ^c	<i>crispus</i> <i>Gould.</i>	Orange Harbor.

[Gould, Exploring Expedition.]

Page.	Fig.		
230	280	Fusus decolor Phil.	Orange Harbor.
230	281, 281 ^a	plumbeus Phil.	
231	282-282 ^b	liratus Couth.	Orange Harbor.
232	283, 283 ^a	incisus Gould.	New Zealand?
235	286, 286 ^a	sublatus Gld. [sus Gld.	
236	287, 287 ^a	Murex (Trophon) fructico-	
237	288, 288 ^a	Monoceros imbricatum Lam.	Orange Harbor.
		<i>Buccinum calcar</i> Martyn.	
		<i>Monoceros breve</i> Sowb.	
237	290, 290 ^a	Turbinella cornigera Lam.	
238	289	amplustre Kien.	Honden Island.
		<i>Buccinum amplustre</i> Mart.	
		<i>Murex amplustre</i> Chemn.	
238	291	armata Brod.	Honden Island.
239	292	Triton variegatum Lam.	Tutuilla, &c.
		<i>Murex tritonis</i> Linn.	
239	295	tuberosum Lam.	Lebuka.
240		productum Gould.	Pacific.
		<i>T. tuberosum</i> Rumph. &c.	
240	293	anus Lam.	Lebuka.
240	294, 294 ^a	distortum Sch. & Wagn.	Paumotu Island.
241	298-298 ^c	cancellatum Lam.	
		<i>Murex Magellanicus</i> Chemn.	
242	299	Ranella bufonia Gmel.	Gardner's Isl., Paumotu
242	300, 300 ^a	gyrinus Linn.	Tutuilla. [Isl.
		<i>Murex gyrinus</i> Linn.	
		<i>R. ranina</i> Lam.	
242	301-301 ^b	vexillum Sowb.	Orange Har., T. d. Fuego.
243	302, 302 ^a	ventricosa Brod.	
244	309, 309 ^a	Purpura tæniata Powis.	Honden Island.
245		armigera Lam.	Paumotu Group.
245		scobina Quoy & Gaim.	New Zealand.
246		succincta Lam.	
		<i>Buccinum orbita</i> Chemn.	
		<i>P. orbita</i> Sowb.	
246	304, 304 ^a	elongata Blainv.	Metia Island.
		<i>P. fenestrata</i> Quoy & Guim.	
246	306	violacea Kien.	Feejee Islands.
		<i>Purpura neritoidea</i> Lam.	
		<i>Purpura neritoidea</i> Qu.&G.	
247	305	Ricinula tuberculata Blainv.	Paumotu Group.
247		horrida Lam.	Paumotu Group.
247	307	arachnoides Lam.	Paumotu Group.
248	308	clathrata Lam.	Paumotu Group.

[Gould, Exploring Expedition.]

Page.	Fig.		
248	312, 312 ^a	Pleurotoma seminifera <i>Gld.</i>	
249	311, 311 ^a	<i>tigrina</i> <i>Lam.</i>	Upolu.
250	313-313 ^a	Mangelia cithara <i>Gould.</i>	Feejee Islands.
250	314-314 ^b	Terebra crenulata <i>Linn.</i>	
251		<i>dimidiata</i> <i>Linn.</i>	
251	315	Babylonia <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 ^a	Buccinum velatum <i>Gould.</i>	Mindanao.
253	320, 320 ^a	<i>funereum</i> <i>Gould.</i>	New Zealand.
255	313, 313 ^a	<i>farinosum</i> <i>Gould.</i>	Kauai.
256	324, 324 ^a	Nassa musiva <i>Gould.</i>	Cape de Verd Island.
257	325-325 ^b	<i>lurida</i> <i>Gould.</i>	Tutuilla.
258	326-326 ^c	<i>curta</i> <i>Gould.</i>	Samoa Island.
259	327-327 ^b	<i>cinctella</i> <i>Gould.</i>	Pacific Islands.
260	328-328 ^b	<i>casta</i> <i>Gould.</i>	Pacific Islands.
261	329-329 ^b	<i>acinosa</i> <i>Gould.</i>	
262	330-330 ^b	<i>paupera</i> <i>Gould.</i>	Pacific Islands.
265	336, 336 ^a	<i>lilacina</i> <i>Gould.</i>	Clermont Tonnerre.
266	333, 333 ^a	<i>muricata</i> <i>Quoy.</i>	
266	334	<i>granifera</i> <i>Kien.</i>	
268	338, 338 ^a	Columbella valga <i>Gould.</i>	Brazil?
269	339-339 ^b	<i>castanea</i> <i>Gould.</i>	Rio Janeiro.
270	341, 341 ^a	<i>mendicaria</i> <i>Linn.</i>	
270	342	<i>ligula</i> <i>Duel.</i>	
270	352	Mitra vitellina <i>Gould.</i>	East Indies?
271	355, 355 ^a	<i>cophina</i> <i>Gould.</i>	Singapore.
272	354, 354 ^a	<i>rorata</i> <i>Gould.</i>	
273	351-351 ^b	<i>capillata</i> <i>Gould.</i>	Madeira.
274	356-356 ^b	<i>encausta</i> <i>Gould.</i>	Feejee Islands.
275	353-353 ^b	<i>fidicula</i> <i>Gould.</i>	
276	344 bis.	<i>ambigua</i> <i>Swains.</i>	
276	344, 344 ^a	<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 ^a	<i>virgata</i> <i>Rve.</i>	Clermont Tounnerre.
		<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 & 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	Mitra exasperata Chemn. <i>M. torulosa</i> Lam.	Feejee Islands.
278	342	<i>filosa</i> Born.	Feejee Islands.
278	357	Voluta Magellanica 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	Melo Broderipii Gray. <i>M. regius</i> Brod.	China Seas.
281	380	Oliva carneola Gmel.	Feejees.
281	370	Cypræa testudinaria Linn.	Upolu, &c.
281		<i>tigris</i> Linn.	Feejees, &c.
282	371, 371 ^a	reticulata Martyn. <i>C. maculata</i> Barnes. <i>histris</i> Kien.	Paumotu Group.
282	372, 372 ^a	fimbriata Gmel.	Paumotu Group.
283	374, 374 ^a	anellus Linn.	Tutuilla.
283	373, 373 ^a	caurica Linn.	Tutuilla.
283		felina Gmel.	Tutuilla.
284		errones Linn. <i>C. olivacea</i> Lam.	Lebuka.
284	376	Humphreysii Gray. <i>C. lutea</i> Desh.	Sandalwood Bay.
284	375, 375 ^a	poraria Linn.	Benga Island.
284		carneola Linn.	Lebuka.
285	369	lynx Linn.	Feejee Islands.
285	378	eburna Barnes.	Feejee Islands, &c.
285	377	arenosa Gray.	Tahiti.
286	379	obvelata Lam.	Tutuilla.
286	367, 367 ^a	Conus dilectus Gould.	Feejee Islands.
287	361	vexillum Mart.	Tutuilla.
287	364, 364 ^a	miles Mart.	Honden Island.
288		Hebraeus Linn.	Clermont Tonnerre.
288	365	nanus Brod.	Tutuilla.
289	363	sponsalis Brug.	Clermont Tonnerre.
289	362, 362 ^a	miliaris Brug.	Clermont Tonnerre.
290	366	minimus Linn.	Pacific Island.
290	382, 382 ^a	Peronia indolens Couth.	Rio de Janeiro.
291	383-383 ^b	irrorata Gould.	Bay of Islands, N. Z.
291	384, 384 ^a	acinosa Gould.	Feejee Islands.
292	386-386 ^c	marginata Couth.	Orange Harbor.
293	385, 385 ^a	corpulenta Gould.	Direction Isl., Feejees.
293	387-387 ^c	Doris vermicelli Gould.	Valparaiso.

[Gould, Exploring Expedition.]

Page.	Fig.		
294	388-388 ^e	Doris plumulata <i>Gould.</i>	Orange Harbor.
295	389-389 ^e	luteola <i>Gould.</i>	Orange Harbor.
296	390-390 ^e	smaragdina <i>Gould.</i>	Paumotu Group.
295	391, 391 ^a	petechialis <i>Gould.</i>	Oahu.
297	392-392 ^b	lilacina <i>Gould.</i>	Oahu.
298	393-393 ^c	cerebralis <i>Gould.</i>	Feejee Islands.
299	394, 394 ^a	aurita <i>Gould.</i>	Feejee Islands.
300	395-395 ^b	spiraculata <i>Gould.</i>	Feejee Islands.
301	396-396 ^c	superba <i>Gould.</i>	Tutuilla.
302	397-397 ^b	cardinalis <i>Gould.</i>	Honolulu.
303	398, 398 ^a	sumptuosa <i>Gould.</i>	Tonga Island.
304	399-399 ^c	aspersa <i>Gould.</i>	Paumotu.
304	400-400 ^e	dorsalis <i>Gould.</i>	Eimeo.
305	401-401 ^d	Eolis attenuatus <i>Gould.</i>	Chili.
306	402-402 ^c	cyanella <i>Gould.</i> [<i>Gould.</i>	Chili.
307	407-407 ^c	Placobranchus ianthobaptus	Honolulu.
307	406, 406 ^a	Diphyllidia rubida <i>Gould.</i>	Honolulu.
308	405, 405 ^a	Elysia lobata <i>Gould.</i>	Honolulu.
308	403-403 ^c	Tritonia cucullata <i>Gould.</i>	Rio Janeiro.
311	408, 408 ^a	Umbrella Indica.	Sandwich Islands.
312	437, 437 ^a	Chiton quercinus <i>Gould.</i>	New South Wales.
315	432, 432 ^a	incanus <i>Gould.</i>	New South Wales.
316	419-419 ^b	pruinus <i>Gould.</i>	Rio Janeiro.
317	430	jugosus <i>Gould.</i>	New South Wales.
318	413-413 ^c	viridulus <i>Gould.</i>	Orange Harbor.
319	428, 428 ^a	fruticosus <i>Gould.</i>	New South Wales.
320	431, 431 ^a	platessa <i>Gould.</i>	New South Wales.
321	433-433 ^b	dentiens <i>Gould.</i>	
322	423-423 ^b	interstinctus <i>Gould.</i>	
323	426, 426 ^a	vespertinus <i>Gould.</i>	
324	412-412 ^d	puniceus <i>Couth.</i>	Tierra del Fuego.
325	414, 414 ^a	jaspideus <i>Gould.</i>	Callao.
326	418-418 ^b	asperrimus <i>Couth.</i>	Rio Janeiro.
326	411-411 ^c	castaneus <i>Couth.</i>	Orange Harbor.
327	434-434 ^b	confossus <i>Gould.</i>	Feejee Islands.
328	435-435 ^b	petaloides <i>Gould.</i>	Sandwich Islands.
329	417	disjunctus <i>Fremb.</i>	Villanar, Chili.
329	415	atratus <i>Soub.</i>	Orange Harbor.
330		lignosus <i>Gould.</i>	
		<i>C. Merckii</i> Midd.	
331	420-420 ^b	violaceus <i>Quoy & Gaim.</i>	New Zealand.
332	422	Peruvianus <i>Lam.</i>	
332	416	lineolatus <i>Fremb.</i>	Valparaiso.
332		australis <i>Soub.</i>	

[Gould, Exploring Expedition.]

Page.	Fig.		
333	410	Chiton Zelandicus Quoy & Gaim.	
333	429, 429 ^a	Chitonellus fasciatus Quoy &	
333	421	Chiton Janeirensis Swb. [Ga. Rio Janeiro.	
333	427	Coquimbensis Fremb.	
334	452-452 ^b	Patella talcosa Gould.	Hawaii.
335	448, 448 ^a	citrullus Gould.	Funchal, Madeira.
336	446-446 ^b	luctuosa Gould.	New Zealand.
337	449-449 ^c	sagittata Gould.	Feejee Islands.
338	439-439 ^b	piperata Gould.	Cape de Verd Isl., Mad.
339	440-440 ^e	Paumotensis Gould.	Paumotu Island.
340	441-441 ^b	illuminata Gould.	Auckland Island.
341	442, 442 ^a	cymbularia Lam.	Lat. 47° 80' S., long. 60°
		<i>P. mytilina</i> Sch. & Wagn.	[W. (floating.)
		<i>cymbuloules</i> D'Orb.	
341	444, 444 ^a	deaurata Gmel.	Orange Harbor.
		<i>P. Magellanica</i> Gmel.	
		<i>fusca</i> Dill.	
343	443, 443 ^a	ferruginea Wood.	Orange Harbor.
343		tramoserica Chemn.	New Zealand.
345	447-447 ^b	cinnamomea Gould.	New South Wales.
345	451	argentata Gray.	Valparaiso.
347	450-450 ^b	(Lottia) araneosa Gould.	Sooloo Sea.
350	453-453 ^c	Lottia cymbiola Gould.	Valparaiso.
352	460, 460 ^a	zebrina Less.	Vigna del Mar, Valpa- [raiso.
		<i>L. variabilis</i> Gray.	
353	459, 459 ^a	viridula Lam. (<i>Patella</i> .)	Valparaiso.
355	461-461 ^b	onychina Gould.	Rio Janeiro?
356		scutum Esch.	Valparaiso.
		<i>Acmæa persona</i> Esch.	
		<i>radiata</i> Esch.	
		<i>ancylus</i> Esch.	
356		? scurra Less.	Valparaiso.
357	467-467 ^b	Siphonaria cornuta Gould.	Sooloo Sea.
358	465-465 ^b	inculta Gould.	New Zealand.
359	468-468 ^b	normalis Gould.	Sandwich Islands.
360	466-466 ^a	lepida Gould.	Rio Janeiro.
361	463-463 ^b	Lessoni Blainv.	Cape Horn.
362	464-464 ^b	antarctica Couth.	
363	462-462 ^b	lateralis Couth.	Orange Harbor.
364	473-473 ^d	Fissurella occidens Gould.	Callao.
365	474-474 ^e	cruciata Gould.	Sooloo Sea.
366	472-472 ^c	verna Gould.	Cape de Verd Islands.
367	469, 469 ^a	picta Lam.	Orange Harbor.
370	477-477 ^c	Rimula conica D'Orb.	Cape Horn.

[Gould, Exploring Expedition.]

Page.	Fig.		
371	478-478 ^c	Fissurella cognata <i>Gould.</i>	Orange Harbor.
372	493-493 ^c	Emarginula aspera <i>Gould.</i>	Sydney, N. S. Wales.
373	492-492 ^c	<i>ossea</i> <i>Gould.</i>	Feejee Islands.
373	494-494 ^c	<i>cinerea</i> <i>Gould.</i>	Feejee Islands.
374	491-491 ^c	<i>fungina</i> <i>Gould.</i>	Samoa Island.
377	479	<i>costata</i> <i>Desh.</i> [rum <i>Sowb.</i>	
378	483-483 ^c	Leptoconchus madrepora-	Samoa Island.
		<i>Purpura monodonta</i> Q. & G.	
		<i>madreporarum</i> Sb.	
379	490-490 ^c	Hipponix imbricata <i>Gould.</i>	Sandwich Islands.
380	487-487 ^d	Calyptrea chlorina <i>Gould.</i>	Cape de Verd Islands.
381	488-488 ^c	<i>radiosa</i> <i>Gould.</i>	Sooloo Sea.
382	489-489 ^b	Pileopsis crystallina <i>Gould.</i>	
383	486-486 ^d	Capulus sagittifer <i>Gould.</i>	
384	497-497 ^b	Pholas patula <i>Gould.</i>	Eastern Seas.
		<i>P. lutissima</i> <i>Sowb.?</i>	
386	499	Panopœa antarctica <i>Gould.</i>	Rio Negro, Patagonia.
388	502-502 ^b	Solen scalprum <i>Gould.</i>	Singapore.
389	535-535 ^b	Cypricardia rosea <i>Gould.</i>	Feejee Islands.
390	504-504 ^b	Mactra cuneola <i>Gould.</i>	Callao.
391	503-503 ^b	<i>deluta</i> <i>Gould.</i>	New Zealand.
392	505-505 ^b	<i>marcida</i> <i>Gould.</i>	Orange Harbor.
394	496, 496 ^a	<i>debilis</i> <i>Gould.</i>	Singapore.
395		<i>triangularis</i> <i>Lam.</i>	Feejee Islands.
396	500-500 ^b	Pandora cistula <i>Gould.</i>	Patagonia.
398	510-510 ^b	Osteodesma Brasiliense <i>Gld.</i>	Rio Janeiro.
399	512, 512 ^a	Amphidesma croceum <i>Gould.</i>	Callao?
400	511-511 ^b	Mesodesma mundum <i>Gould.</i>	Sooloo Sea.
401	587-587 ^c	Erycina (Poronia) ovata <i>Gld.</i>	Sandwich Islands.
402	586-586 ^b	(<i>Kellia</i>) <i>quadrata</i> <i>Gould.</i>	Feejee Islands?
403	513-513 ^b	Psammobia florida <i>Gould.</i>	Illawarra, N. S. Wales.
404	519-519 ^b	Tellina concentrica <i>Gould.</i>	Feejee Islands.
405	518-518 ^b	<i>tithonia</i> <i>Gould.</i>	Sooloo Sea.
406	515-515 ^b	<i>compta</i> <i>Gould.</i>	Loo Choo Islands.
		<i>T. decora</i> <i>Gould.</i>	
407	517-517 ^b	<i>exulta</i> <i>Gould.</i>	Feejee Islands.
408	514-514 ^b	<i>lauta</i> <i>Gould.</i>	
409	516-516 ^c	<i>perula</i> <i>Gould.</i>	Feejee Islands.
410	520-520 ^b	Donax pallidus <i>Gould.</i>	Singapore.
411	521, 521 ^a	<i>tinctus</i> <i>Gould.</i>	Mergin Archipelago?
412	522-522 ^b	<i>croceatus</i> <i>Gould.</i>	Mangsi Island, Sooloo
412	524-524 ^b	Lucina inculta <i>Gould.</i>	New Zealand. [Sea.
413	528-528 ^b	<i>lenticula</i> <i>Gould.</i>	Rio Janeiro.
414	525-525 ^b	<i>vesicula</i> <i>Gould.</i>	Tonga Island.

[Gould, Exploring Expedition.]

Page.	Fig.		
416	523-523 ^b	Lucina ramulosa <i>Gould.</i>	Paumotu Island.
		<i>L. fibula</i> Rve.	
416	533	Cardita procera <i>Gould.</i>	Rio Negro, Patagonia.
419	537, 537 ^a	Venus toreuma <i>Gould.</i>	Māngsi Island, Sooloo Sea.
422	536, 536 ^a	Arthemis lambata <i>Gould.</i>	Bay of Islands, N. Z.
423		Venus calcarea <i>Gould.</i>	New Zealand.
423	560-560 ^b	Arca sobria <i>Gould.</i>	
424	539-539 ^c	Nucula sulculata <i>Gould.</i>	Cape Horn.
425	526-526 ^b	Cyclas egregia <i>Gould.</i>	New South Wales.
427	529-529 ^b	Cyrena debilis <i>Gould.</i>	New Holland.
428	542-542 ^c	Unio lutulentus <i>Gould.</i>	New Zealand.
429	543-543 ^b	profugus <i>Gould.</i>	New South Wales.
430	540-540 ^b	dorsuosus <i>Gould.</i>	Eastern Asia.
431	541-541 ^c	verecundus <i>Gould.</i>	Manilla.
434	548-548 ^b	Anodonta puberula <i>Gould.</i>	Peru.
		<i>Anodon glauca</i> <i>Gould.</i>	
437	555	Avicula margaritifera (Linn.) <i>Roissy.</i>	
		<i>Meleagrina margaritifera</i> Lam.	
438	554	nigra <i>Gould.</i>	Singapore.
439	553, 553 ^a	vidua <i>Gould.</i>	Feejee Islands.
440	550, 550 ^a	lurida <i>Gould.</i>	Feejee Islands.
441	551, 551 ^a	fucata <i>Gould.</i>	New Zealand.
442	552-552 ^b	glabra <i>Gould.</i>	New Zealand.
443	549-549 ^b	pica <i>Gould.</i>	Samoa Island.
444	559, 559 ^a	Perna argillacea <i>Gould.</i>	
445	558, 558 ^a	torva <i>Gould.</i>	Sandwich Islands.
445	556, 556 ^a	nana <i>Gould.</i>	Feejee Islands.
446	557-557 ^c	eremita <i>Gould.</i>	Paumotu Island.
447	584-584 ^b	Crenatula pergaminea <i>Gould.</i>	Feejee Islands.
448	574	Pinna senticosa <i>Gould.</i>	New Zealand.
449	565, 565 ^a	Mytilus divaricatus <i>Gould.</i>	China Seas.
450	566, 566 ^a	algosus <i>Gould.</i>	Feejee Islands.
451	564, 564 ^a	pyriformis <i>Gould.</i>	South Seas.
452	562, 562 ^a	(Modiola) areolatus <i>Gld.</i>	New Zealand.
454	563, 563 ^a	(Modiola) hepaticus <i>Gld.</i>	Feejee Islands.
455	585-585 ^c	(Modiolarca) pusillus <i>Gd.</i>	Tierra del Fuego.
456	571-571 ^b	Pecten lætus <i>Gould.</i>	New Zealand.
459	568-568 ^c	Gaimardia trapesina <i>Gould.</i>	Lat. 47° 30' S., long. 59°
		<i>Modiola trapesina</i> Lam.	53' W., and Orange Harbor.
461	577-577 ^b	Ostrea glomerata <i>Gould.</i>	New Zealand.
462	576-576 ^b	circumsuta <i>Gould.</i>	Feejee and Samoa Isl'ds.
463	578, 578 ^a	discoidea <i>Gould.</i>	
464	575, 575 ^a	mordax <i>Gould.</i>	Feejee Islands.

[Gould, Exploring Expedition.]

Page.	Fig.		
465	580-580 ^e	<i>Crania radiosa</i> Gould.	Rio Janeiro.
469	583-583 ^a	<i>Terebratula Patagonica</i> Gld.	Patagonia.
470	585	<i>Argonauta geniculata</i> Gould.	Rio Janeiro.
471	586, 586 ^a	<i>Octopus megalocyathus</i> Gld.	Orange Harbor.
473	587, 587 ^a	<i>mimus</i> Gould.	Callao, Peru.
474	588	<i>tetricus</i> Gould.	New South Wales.
475	589	<i>furvus</i> Gould.	Rio Janeiro.
476	590, 590 ^a	<i>ornatus</i> Gould.	Sandwich Islands.
478	591	<i>pusillus</i> Gould.	Mangsi Island, China Sea.
479	592	<i>mollis</i> Gould.	Samoa Island.
479	593	<i>Sepioteuthis arctipinnis</i> Gld.	Maui, Sandwich Islands.
480	594, 594 ^a	<i>Ommastrephes insignis</i> Gld.	Feejee Islands.
482	595	<i>Onychoteuthis rutulis</i> Gould.	New South Wales.
483	596	<i>brevimanus</i> Gould.	Tutuilla.
485	602-602 ^b	<i>Limacina scaphoidea</i> Gould.	Equatorial Atlantic.
486	601-601 ^b	? <i>cucullata</i> Gould.	An ice island, lat. 66° S.,
487	604, 604 ^a	<i>Hyalæa inermis</i> Gould.	[long. 106° 20' E.
487	603	<i>femorata</i> Gould.	Equatorial Atlantic.
488	605-605 ^b	<i>Cleodora exacuta</i> Gould.	Lat. 44° N., long. 154° W.
489	607, 607 ^a	<i>munda</i> Gould.	Equatorial Atlantic.
490	606	<i>placida</i> Gould.	Equatorial Atlantic.
490	608	<i>falcata</i> Gould.	Pacific Ocean.
491	597	<i>Atlanta primitia</i> Gould.	Equatorial Atlantic.
492	198-198 ^c	<i>cunicula</i> Gould.	West of Sandwich Isl'ds.
493	599-599 ^b	<i>violacea</i> Gould.	Stomach of a Bonito, lat.
			3° S., long. 20° W.
494	600-600 ^b	<i>tessellata</i> Gould.	Stomach of a Bonito, lat.
			3° S., long. 20° W.
495	609	<i>Cynthia amphora</i> Gould.	Rio Janeiro.
495	610	<i>Phallusia violacea</i> Gould.	Rio Janeiro.
496	611	<i>Ascidia monstrans</i> .	Rio Janeiro.
496	612, 612 ^a	<i>Boltenia coacta</i> Gould.	Orange Harbor.

ADDENDA AND CORRIGENDA.

Page.		Page.	
*500	<i>Athoracophorus</i> .	*500	<i>Succinea rotundata</i> .
*500	<i>Vitrina Ruivensis</i> .		<i>S. Newcombi</i> Pfr.
*500	<i>marcida</i> .	*500	<i>venusta</i> .
*500	<i>nitida</i> .	*500	<i>Nanina fricata</i> .
*500	<i>robusta</i> .	*500	<i>Helix intaminata</i> .
*500	<i>caperata</i> .		<i>H. Broderipii</i> Pfr. ?
*500	<i>tenella</i> .		<i>Carocolla dealbata</i> Brd.
*500	<i>furva</i> .	*501	<i>spirillus</i> .

[Gould, Exploring Expedition.]

Page.		Page.	
*501	Helix zig-zag. <i>H. rapida</i> Pfr.	*502	Cyclostoma strigatum. <i>C. albida.</i>
*501	cultrata. <i>H. callifera</i> Pfr.	*502	plicatum. <i>C. Apia</i> Recl.
*501	exæquata. <i>H. disculus</i> Pfr.	*502	Planorbis Keratoides.
*501	bursatella. <i>H. turricula.</i> <i>excavata.</i>	*502	Melania scipio. <i>M. verruculum</i> Morel.?
*501	Troilus. <i>H. Apia.</i> <i>exclusa.</i>	*502	Cerithium invaginatum. <i>C. planum</i> Phil.
*501	nitidiuscula.	*502	aduncum. <i>C. dorsuosum</i> A. Ad.
*501	Bulimus fulguratus.	*502	Pelex lateralis.
*501	Partula zebrina. <i>P. Recluziana</i> Petit.	*502	Neritina castra.
*502	Vertigo tantilla.	*502	Nerita musiva.
		*503	Turbo laciniatus.
		*503	Trochus tantillus. <i>Margarita angulata</i> A.
		*503	Litiopa decussata. [Ad.]
		*503	Obeliscus terebelloides.

Page.	Fig.		
*503	274-274 ^b	Trichotropis pusilla.	Liberia.
*504	296-296 ^b	Triton Brazilianum Gould.	Rio Janeiro.
*506	297-297 ^b	mundum Gould.	Tutuilla.
*507	360, 360 ^a	Phos varicosus.	Philippine Islands.
*508	305, 305 ^a	Ricinula tuberculata.	
*508	323	Buccinum farinosum.	
*508	351	Mitra capillata.	
*508	382	Peronia indolens.	
*508		Mactra debilis.	
*508		Donax crocatus.	
*508		Venus toreuma. <i>V. crebrisulca</i> Sowb.?	
*508		Unio dorsuosus. <i>U. Naupanensis</i> Conr.	
*509		Gaimardia trapesina.	
*509		Ostrea discoidea.	

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.	Notes on—	Page.	
205	Corbula nucleus.	205	Lucina spinifera.
205	Næra cuspidata.	205	Kellia suborbicularis.
205	Thracia phaseolina.	205	Modiola tulipa.
205	Solen pellucidus.	205	barbata.
205	Psammobia feroensis.	205	Arca tetragona.
205	Tellina donacina.	205	lactea.
205	Mactra subtruncata.	205	Pectunculus glycimerris.
205	Lutraria elliptica.	205	Nucula nitida.
205	Cytherea chione.	205	nucleus.
205	Venus ovata.	205	Lima subauriculata.
205	fasciata.	205	Pecten similis.
205	verrucosa.	205	maximus.
205	Artemis lineata.	205	opercularis.
205	Cardium echinatum.	205	varius.
205	Lucina flexuosa.	205	Anomia ephippium.

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	Unio depressus Lam.	Bogan river, Australia.
			<i>U. cultelliformis</i> Conr.	
295	xxvi	3	Balonensis Conr.	
296	xxvi	4	Napeanensis Conr.	
296			<i>depressa</i> D'Orb. is not depressa Lam.	
296	xxvi	6	———.	Australia.
298			Synopsis of the genus Pleiodon.	
298			Pleiodon ovata.	
			<i>Iridina ovata</i> Swains.	
298			Macmurtrei Conr.	
299			splendens.	
			<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			<i>Argonauta argo</i> Linn.	Mediterranean.
331			<i>compressa</i> Blainv.	Indian Ocean.
331	xxxiv	1	<i>papyratia</i> Conr.	
332			<i>gondola</i> Dillw.	South Atlantic.
			<i>A. navicula</i> Sol.?	
			<i>Cranchii</i> Leach?	
			<i>haustum</i> Dillw.?	
			<i>raricosta</i> Blainv.	
332			<i>hians</i> Sol.	South Atlantic.
			<i>A. nitida</i> Desh. in Lam.	
332			<i>Oweni</i> Adams.	South Atlantic.
332			<i>nodosa</i> Sol.	Indian Ocean.
			<i>A. tuberculata</i> Shaw.	
			<i>tuberculosa</i> Lam.	
332	xxxiv	2	<i>cornuta</i> Conr.	
332	xxxiv	3	<i>dispar</i> Conr.	
333	xxxiv	4	<i>polita</i> Conr.	
333			<i>Nouryi</i> Lorois.	Pacific Ocean.
334			<i>crassicosta</i> Blainv.	Australia.
334			<i>naviformis</i> .	
			<i>A. argo</i> (var.) Poli.	
334			<i>geniculata</i> 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	<i>Chiton aculeatus</i> Linn.	263	<i>Chiton Peruvianus</i> Lam.
	Coquimbo.	263	<i>granosus</i> Frembl.
263	<i>spiniferus</i> Frembl.	263	<i>Cumingii</i> Sowb.
263	<i>magnificus</i> Desh.	263	<i>Oliva Peruviana</i> Lam.
263	<i>olivaceus</i> Frembl.		Coquimbo.

Page.		Page.	
263	var. <i>Senegalensis</i> .	263	<i>Cardium fragum</i> .
263	<i>Turbo niger</i> Gray.	263	<i>Conus eburneus</i> .
263	<i>Trochus ater</i> Less.	263	<i>Ricinuia horrida</i> .
263	<i>araucanus</i> D'Orb.	263	<i>albilabris</i> .
263	<i>Murex crassilabrum</i> .	263	<i>Monoceros crassilabrum</i>
263	<i>horridus</i> Sowb.	263	<i>Oliva guttata</i> . [Lam.
263	<i>Boivinii</i> Kien.	263	<i>jaspidea</i> .
263	<i>Fissurella latimarginata</i>	263	<i>elegans</i> .
263	<i>Calyptrea pileus</i> . [Sowb.	263	<i>flammulata?</i>
263	<i>Peruviana</i> .	263	<i>Strombus gibberulus</i> .
263	<i>Littorina Peruviana</i> Gray.	263	<i>Cerithium lineatum</i> .
263	<i>araucana</i> D'Orb.	263	<i>Cyprea moneta</i> .
263	<i>Bulimus erythrostoma</i>	263	<i>annulus</i> .
263	<i>Acmaea viridula</i> . [Sowb.	263	<i>cicercula</i> .
263	var. <i>Achates</i> .	263	<i>eburnea</i> .
263	<i>scutum</i> D'Orb. & Esch.	263	<i>fimbriata</i> .
263	<i>scurra</i> Less.	263	<i>Venus pannosa</i> Sowb.
263	<i>Triton scaber</i> King.	263	<i>Terebra cinerea</i> .
263	<i>rudis</i> Sowb.	263	<i>striata</i> .
263	<i>Nassa rubricata</i> Gould.	263	<i>Nerita albicilla</i> .
263	<i>Mesodesma donacia</i> Lam.	263	<i>Le Guillouana</i> .
263	<i>Cytherea pannosa?</i> D'Orb.	263	<i>Neritina canales</i> Sowb.
263	<i>Mytilus</i> ———.	263	<i>Siphonaria Lessoni</i> Blainv.
263	<i>Planorbis</i> ———.	263	<i>Natica uber</i> .
263	<i>Dombeya</i> (<i>Chilina</i>) fluc-	263	<i>Melampus</i> ———.
263	<i>Cardium unedo</i> . [tuosa.]		

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	<i>Mya Japonica</i> Jay.	Volcano Bay, Yedo.
292	i	8, 9	<i>Psammobia olivacea</i> Jay.	Bay of Yedo.
292	ii	1, 2	<i>Cytherea meretrix</i> Linn.	Canton river, Yedo.
293	i	1-6	<i>formosa</i> Sowb.	Lew Chew.
293	ii	3-5, 10	<i>morphina</i> Lam.	Canton river, Lew Chew.
293	ii	6-9	<i>petechialis</i> L'k.	Lew Chew.
293	iii	1, 2	<i>Dipsas plicatus</i> .	Shanghai.

Pa.	Pl.	Fig.		
293	iv	1, 2	Pecten Yessoensis Jay.	Hakodadi.
	iii	3, 4		
294	v	1-6	Helix Simodæ Jay.	Simoda.
294	v	7-9	Perryi Jay.	Yedo.
294	v	10-12	Lymnea Japonica Jay.	Simoda.
295	v	16, 17	Purpura septentrionalis.	Sitka?
295	v	13-15	Bullia Perryi Jay.	Bay of Yedo.

296

LIST OF JAPANESE SHELLS.

296	Solen constrictus Lam.	Page.	
296	Panopæa Japonica A. Ad.	296	Arca obtusa Rve.
296	Mya Japonica Jay.	296	Nucula Japonica A. Ad.
296	Corbula erythrodon Lam.	296	mirabilis A. Ad.
296	Lutraria Sieboldii Desh.	296	Modiola siliqua Phil.
296	Chemnitzii Phil.	296	Mytilus unguatus Lam.
296	Mactra veneriformis Desh.	296	Lithophagus caperatus Ph.
296	rostralis Desh.	296	Avicula Japonica Dunk.
296	corbicula Phil.	296	Chama Japonica Lam.
296	pellicula Desh.	296	Pecten Yessoensis Jay.
296	eburnea Phil.	296	nobilis Rve.
296	Venerupis Nuttallii Conr.	296	Japonicus Gmel.
296	Psammobia olivacea Jay.	296	molitus Rve.
296	Tellina secta Conr.	296	pleuronectes Linn.
296	Astarte Japonica Jay.	296	Ostrea borealis Linn.
296	Cytherea morphina Lam.	296	Terebratulæ Japonica A. A.
296	petechialis Lam.	296	angusta A. Ad.
296	meretrix Linn.	296	rubella Sowb.
296	lusoria Lam.	296	Dentalium octogonum Desh.
296	Artemis Japonica Rve.	296	Patella lanx Rve.
296	scabra Phil.	296	saccharina Linn. [Phil.
296	bilunata Gray.	296	Parmophorus emarginatus
296	Sieboldii Rve.	296	Fissurella Sieboldii Rve.
296	sericea Rve.	296	Tongana Quoy.
296	biscocta Rve.	296	Stomatella Japonica A. Ad.
296	orientalis Sowb.	296	Sigaretus papillus Recl.
296	Venus striata Chemn.	296	Haliotis gigantea Chemn.
296	donacina Chemn.	296	Japonica Rve.
296	Japonica Gmel.	296	discus Rve.
296	æquilatera Sowb.	296	Sieboldii Rve.
296	Tapes decussata Linn.	296	Bulla viridis Rve.
296	Japonica Desh.	296	ampulla Linn.
296	Meroe excavata Hanl.	296	Helix Perryi Jay.
296	Isocardia tetragona A. Ad.	296	Simodæ Jay.
296	Arca Japonica Rve.	296	Largillierti Phil.

Page.		Page.	
296	Helix Sieboldiana <i>Phil.</i>	297	Cerithium nebulosum <i>Phil.</i>
296	<i>elegantissima</i> <i>Pfr.</i>	297	Fusus fornicatus <i>Gmel.</i>
296	<i>Japonica</i> <i>Pfr.</i>	297	Pyrula ficoides <i>Lam.</i>
296	<i>horiomphala</i> <i>Pfr.</i>	297	Cancellaria nodulifera <i>Sowb.</i>
296	<i>conospira</i> <i>Pfr.</i>	297	Pleurotoma flavidula <i>Lam.</i>
296	Bulimus rimatus <i>Pfr.</i>	297	Murex falcatus <i>Sowb.</i>
296	Clausilia Buschii <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	<i>Sieboldii</i> <i>Pfr.</i>	297	Strombus Japonicus <i>Rve.</i>
296	Auricula hepatica <i>Phil.</i>	297	Cassis saburon <i>Lam.</i>
296	Lymnea Japonica <i>Jay.</i>	297	<i>Japonica</i> <i>Rve.</i>
296	<i>flava</i> <i>Phil.</i>	297	Columbella versicolor <i>Sb.</i>
296	Melania Bensoni <i>Phil.</i>	297	Purpura septentrionalis <i>Rv.</i>
296	Natica Antoni <i>Phil.</i>	297	Dolium variegatum <i>Lam.</i>
296	<i>duplicata</i> <i>Say.</i>	297	Buccinum Chinense <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	Nassa Japonica <i>A. Ad.</i>
296	Actæon Dianæ <i>A. Ad.</i>	297	<i>ponderosa</i> <i>A. Ad.</i>
296	Ianthina communis <i>Lam.</i>	297	Desmoulea crassa <i>A. Ad.</i>
296	<i>prolongata</i> <i>Blainv.</i>	297	Bullia Perryi <i>Jay.</i>
296	Obeliscus pulchellus <i>A. Ad.</i>	297	Eburna Japonica <i>Rve.</i>
296	<i>brunneus</i> <i>A. Ad.</i>	297	Terebra serotina <i>A. Ad.</i>
296	Globulus giganteus <i>Less.</i>	297	Mitra impressa <i>Anton.</i>
296	Xenophora pallidulus <i>Rve.</i>	297	<i>incisa</i> <i>A. Ad.</i>
296	Monodonta catenulata.	297	Voluta megaspira <i>Sowb.</i>
296	<i>exigua</i> <i>A. Ad.</i>	297	<i>cassidula</i> <i>Rve.</i>
296	Trochus Japonicus <i>Dunk.</i>	297	Cypræa caputserpentis <i>Lin.</i>
296	<i>triumphans</i> <i>Phil.</i>	297	<i>miliaris</i> <i>Gmel.</i>
296	Clanculus Smithii <i>Wood.</i>	297	<i>fimbriata</i> <i>Gmel.</i>
296	Turbo Japonicus <i>Rve.</i>	297	<i>pallida</i> <i>Gray.</i>
296	Littorina Sieboldii <i>Phil.</i>	297	Ovulum concinnum <i>Sowb.</i>
296	<i>Cecillii</i> <i>Phil.</i>	297	<i>birostre</i> <i>Lam.</i>
296	Turritella aquila <i>Rve.</i>	297	<i>striatulum</i> <i>Lam.</i>
297	Eglisia Cumingii <i>A. Ad.</i>	297	<i>volva</i> <i>Linn.</i>
297	Cerithium Cecillii <i>Phil.</i>	297	Conus Sieboldii <i>Rve.</i>

Lea.—Proceedings of the American Philosophical Society.
Philadelphia.

[For localities of the following species, vide quotations from the Transactions of this Society.—W. G. B.]

Isaac Lea.—Descriptions of—

Page.		Page.	
	Vol. i, No. 10. Jan.-Feb. 1840.		
173	Bulimus Woodianus <i>Lea.</i>	288	Margaritana Vonden- buschiana <i>Lea.</i>
173	bicoloratus <i>Lea.</i>		Vol. ii, No. 17. Mar.-Apr. 1841.
173	subglobosus <i>Lea.</i>	30	Unio Rajahensis <i>Lea.</i>
173	gracilis <i>Lea.</i>	31	Anodonta Montezuma <i>Lea.</i>
174	carinatus <i>Lea.</i>	31	Bulimus Jayanus <i>Lea.</i>
174	virido-striatus <i>Lea.</i>	31	Achatina turbinata <i>Lea.</i>
174	virginus <i>Lea.</i>	31	striata <i>Lea.</i>
174	Liberianus <i>Lea.</i>	31	Succinea gracilis <i>Lea.</i>
174	Cyclostoma Woodiana <i>Lea.</i>	32	Candeana <i>Lea.</i>
174	Carocolla bifasciata <i>Lea.</i>	32	fulgens <i>Lea.</i>
174	Helix cepoides <i>Lea.</i>	33	Lymnea rubella <i>Lea.</i>
174	Blainvilliana <i>Lea.</i>		Vol. ii, No. 23. Aug.-Oct. 1842.
174	Lamarckiana <i>Lea.</i>		Notes on—
175	luteo-fasciata <i>Lea.</i>	213	Petricola solida <i>Lea.</i>
175	ferruginea <i>Lea.</i>		Payta, Peru.
175	Cuvieriana <i>Lea.</i>	213	denticulata <i>Lea.</i>
175	Blandingiana <i>Lea.</i>		Payta, Peru.
175	Humphreysiana <i>Lea.</i>	213	Lithophagus dactylus <i>Lea.</i>
175	Balasteriana <i>Lea.</i>		Payta, Peru.
	Vol. i, No. 13. Aug.-Oct. 1840.	213	Ostrea ——— <i>Lea.</i>
285	Unio cucumoides <i>Lea.</i>		Payta, Peru.
285	delphinus <i>Lea.</i>		Vol. v, No. 48. Feb.-Dec. 1852.
285	orientalis <i>Lea.</i>	252	Basistoma <i>Lea</i> (n. g.)
285	Javanus <i>Lea.</i>		

Binney, Couthouy, Gould, &c.—In the Boston Journal of Natural History occur the following:—

- Vol. i, pt. 1. 1834.
- | Page. | Pl. | Fig. | | |
|---|-----|------|---|------------------------------|
| 63 | | | Binney. —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 Linnaeus, and the <i>Fusus Probosciferus</i> of Lamarck: by A. BINNEY. | |
| 67 | v | | Fusus Aruanus. | East Indies? |
| | vi | | <i>Murex Aruanus</i> Linn.
<i>Fusus probosciferus</i> Lam. | |
| Vol. i, pt. 4. May, 1837. | | | | |
| 440 | | | Couthouy. —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 | Marginella Storeria Couth. | S. shores of Gulf of Mexico. |
| Vol. ii, pt. 2. Feb. 1839. | | | | |
| 129 | | | Couthouy. —Monograph of the family Osteodesmacea 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. | |
| [For the American species, vide p. 345.—W. G. B.] | | | | |
| 135 | | | Thracia pubescens. | English Channel. |
| | | | <i>Mya declivis</i> Penn.
<i>pubescens</i> Pult.
<i>Anatina myalis</i> Lam.
<i>declivis</i> Brown. | |
| 140 | | | convexa. | Great Britain. |
| | | | <i>Mya declivis</i> Don.
<i>convexa</i> Wood.
<i>Anatina convexa</i> Turt.
<i>Ligula distorta</i> Mont. | |
| 143 | | | corbuloides. | Mediterranean. |
| 146 | | | plicata. | |
| 147 | | | phaseolina. | |
| | | | <i>Amphidesma phaseolina</i> Lam. | |
| 150 | iv | 3 | similis Couth. | Brazil. |

[Boston Journ. Nat. Hist.]

Page.	Pl.	Fig.	
158			Notes on—
158			<i>Anatina declivis</i> Turt.
159			<i>villosiuscula</i> Brown.
159			<i>Mya distorta</i> Mont.
160			<i>Periploma trapezoides</i> . 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	<i>Helix procumbens</i> Gould.
453	xxiv	6	<i>infrendens</i> Gould.
454	xxiv	9	(<i>Carocolla</i>) <i>gabata</i> Gould.
454	xxiv	4	<i>anceps</i> Gould.
455	xxiv	5	<i>retrorsa</i> Gould.
456	xxiv	2	<i>Vitrina præstans</i> Gould.
456	xxiv	7	<i>Helix</i> (<i>Steptaxis</i>) <i>Petitii</i> Gould.
457	xxiv	3	<i>Bulimus atricallosus</i> Gould.
458	xxiv	8	<i>Clausilia insignis</i> Gould.
458	xxiv	11	<i>Cyclostoma pernobilis</i> Gould.
459	xxiv	10	<i>sectilabrum</i> 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			<i>Helix auricoma</i> Fer.
486			<i>Bonplandii</i> Lam.
487			<i>multistriata</i> Desh.
			<i>H. circumtexta</i> Fer.
487			<i>Poeyi</i> Pet.
487			<i>gilvus</i> Fer.
			<i>H. penicillata</i> Gould.
487			<i>Cubensis</i> Pfr.
			<i>H. Lanieriana</i> D'Orb.
488			<i>fragilis</i> Pfr.
488			<i>Boothiana</i> Pfr.
488			<i>Otonis</i> Pfr.
488			<i>saxicola</i> Pfr.
488			<i>septemvolva</i> Say.
488			<i>Ramonis</i> D'Orb.

[Boston Journ. Nat. Hist.]

Page.	Pl.	Fig.	
489			Achatina fasciata Müll. <i>A. vexillum</i> Brug.
489			gracillima Pfr.
489			octona Chemn.
489			Glandina oleacea Fer.
489			folliculus Lam. <i>Achatina solidula</i> Pfr.
490			Pupa unidentata Lam. <i>Bulinus Canimensis</i> Pfr.
490			servilis Gould. Described on p. 356, pl. xvi, fig. 14.
490			contracta Suy.
490			chrysalis Fer.
490			elegans (<i>Cylindrella</i>) Pfr. <i>P. (Siphonostoma) lituus</i> Gould.
490	xxiv	12	(<i>Siphonostoma</i>) porrecta Gould.
491	xxiv	13	lactaria Gould.
492			subula Fer.?
492			(<i>Cyl.</i>) crispula Pfr.
492			Helicina submarginata Gr. <i>H. rubra</i> Pfr. <i>crassa</i> D'Orb.
492			sagra D'Orb.
492			pulcherrima Lea.
493			adpersa Pfr. <i>H. variegata</i> D'Orb.
493			globulosa D'Orb.
493			nitida Pfr. <i>H. glabra</i> Gould.
493			rugosa Pfr.
493			hispidula Pfr.
493			rupestris Pfr.
494			Cyclostoma auriculatum D'Orb. <i>C. bicolor</i> Gould.
494			sagra D'Orb. <i>C. pictum</i> Pfr. <i>mahogani</i> Gould.
494			interruptum Sowb. <i>C. catenatum</i> Gould.
495			rugulosum Pfr. <i>C. clathratum</i> Gould.
495			Candeanum Sowb.
495			Auberianum D'Orb. <i>C. crenulatum</i> Pfr.

[Boston Journ. Nat. Hist.]

Page.	Pl.	Fig.	
495			Succinea —— ?
495			Limnea —— ?
495			Physa —— ?
496			Planorbis Havanensis 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			Littorina tuberculata Mke.
498			Turbo trochiformis Dillw.
498			Trochus nodulosus Gmel.
498			<i>tuberculatus</i> Wood.
498			Littorina dilatata 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.)

Helix penicillata Gould.	Cuba.
Helicina glabra Gould.	Cuba.
Pupa (Siphonostoma) porrecta	Cuba.
<i>lituus</i> Gould.	[Gould. Cuba.
Cyclostoma bicolor Gould.	Cuba.
<i>clathratum</i> Gould.	Cuba.
<i>mahogani</i> Gould.	Cuba.
<i>catenatum</i> Gould.	Cuba.
Conus castrensis Gould.	

Vol. v, pt. 2. Oct. 1845.

290			Gould. —Descriptions of Shells from the Coast of Africa: by AUGUSTUS A. GOULD, M. D.
290	xxiv	7	Pholas branchiata Gould.
291	xxiv	9	Psammobia figlina Gould.
292	xxiv	8	Nucula bicuspidata Gould.
292	xxiv	10	Nassa turbinea Gould.
293	xxiv	11	<i>elata</i> Gould.

Vol. v, pt. 3. June, 1846.

344	xx	1-3	Leidy. —Anatomical description of the animal of Littorina angulifera Lam.: by JOSEPH LEIDY, M. D.
-----	----	-----	---

Gould, Adams, &c.—Proceedings of the Boston Society
of Natural History.

	Oct. 1843.		
	Vol.	Page.	
i	138	Dr. A. A. Gould.	
i	138	<i>Helix penicillata</i> = H. gilvus <i>Fer.</i>	
i	138	<i>Helicina glabra</i> = Helicina nitida <i>Pfr.</i>	
i	138	<i>Pupa carinata</i> = P. procera <i>Gould.</i>	
i	138	<i>Siphonostoma lituus</i> = Cylindrella elegans <i>Pfr.</i>	
i	138	<i>Cyclostoma clathratum</i> = C. rugulosum <i>Pfr.</i>	
i	138	<i>Mahogani</i> = C. Sagra <i>D'Orb. (pictum Pfr.)</i>	
i	138	<i>bicolor</i> = C. auriculatum <i>D'Orb.</i>	
i	138	Siphonostoma porrectum <i>Gould.</i>	Cuba.
i	138	Cyclostoma catenatum <i>Gould.</i>	Cuba.
i	138	Conus castrensis <i>Gould.</i>	
i	138	Pupa servilis <i>Gould.</i>	Cuba, Santa Cruz.
i	139	<i>lyrata</i> <i>Gould.</i>	Sandwich Islands.
i	139	Helix procumbens <i>Gould.</i>	Tavoy.
i	139	<i>infrendens</i> <i>Gould.</i>	Tavoy.
i	139	(<i>Carocolla</i>) <i>gabata</i> <i>Gould.</i>	Tavoy.
i	139	<i>retrorsa</i> <i>Gould.</i>	Tavoy.
i	139	<i>anceps</i> <i>Gould.</i>	Tavoy.
i	140	Vitrina præstans <i>Gould.</i>	Tavoy.
i	140	Bulimus atricallosus <i>Gould.</i>	Tavoy.
i	140	Clausilia insignis <i>Gould.</i>	Tavoy.
i	140	Cyclostoma pernobilis <i>Gould.</i>	Tavoy.
i	140	<i>sectilabrum</i> <i>Gould.</i>	Tavoy.
i	140	Unio Tavoyensis <i>Gould.</i>	Tavoy.
i	141	<i>crispata</i> <i>Gould.</i>	Tavoy.
i	141	<i>foliacea</i> <i>Gould.</i>	Tavoy.
i	141	<i>exolescens</i> <i>Gould.</i>	Tavoy.
i	144	Paludina doliaris <i>Gould.</i>	Burmah.
i	144	<i>petrosa</i> <i>Gould.</i>	Burmah.
i	144	Melania batana <i>Gould.</i>	Burmah.
i	144	Modiola varicosa <i>Gould.</i>	Burmah.
Nov. 1843.			
Notes on—			
i	148	Melampus and Pedipes.	
Dec. 1843.			
i	157	Helix (Carocolla) pellucida <i>Gould.</i>	Africa.
i	158	Bulimus rubicundulus <i>Gould.</i>	Africa.
i	158	<i>interstinctus</i> <i>Gould.</i>	Africa.
i	158	Achatina torrida <i>Gould.</i>	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>variabile</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>fusc-lineata</i> Ad.	ii 8	<i>costatus</i> Ad.
ii 4	<i>elator</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</i> <i>Ad.</i> | ii 13 <i>Bulimus procerus</i> <i>Ad.</i> |
| ii | 9 | <i>Perna bicolor</i> <i>Ad.</i> | ii 13 <i>læviusculus</i> <i>Ad.</i> |
| ii | 9 | <i>Arca tenera</i> <i>Ad.</i> | ii 13 <i>striatella</i> <i>Ad.</i> |
| ii | 9 | <i>Cardita ovata</i> <i>Ad.</i> | ii 13 <i>Achatina iota</i> <i>Ad.</i> |
| ii | 9 | <i>Thetis</i> <i>Ad.</i> (n. g.) | ii 13 <i>pellucens</i> <i>Ad.</i> |
| ii | 9 | <i>Thetis cerina</i> <i>Ad.</i> | ii 13 <i>costulata</i> <i>Ad.</i> |
| ii | 9 | <i>parva</i> <i>Ad.</i> | ii 13 <i>Phillipsii</i> <i>Ad.</i> |
| ii | 9 | <i>Lucina granulosa</i> <i>Ad.</i> | ii 13 <i>propinqua</i> <i>Ad.</i> |
| ii | 10 | <i>imbricatula</i> <i>Ad.</i> | ii 14 <i>vicina</i> <i>Ad.</i> |
| ii | 10 | <i>pulchella</i> <i>Ad.</i> [<i>Ad.</i>] | ii 14 <i>Griffithsii</i> <i>Ad.</i> |
| ii | 10 | <i>Amphidesma Jayanum</i> | ii 14 <i>Cylindrella?</i> <i>pygmæa</i> <i>Ad.</i> |
| ii | 10 | <i>Tellina decussatula</i> <i>Ad.</i> | ii 14 <i>Cumingii</i> <i>Ad.</i> |
| ii | 10 | <i>nitens</i> <i>Ad.</i> | ii 14 <i>cylindrus</i> <i>Ad.</i> |
| ii | 10 | <i>Psammobia purpureo-</i>
<i>maculata</i> <i>Ad.</i> | ii 14 <i>seminuda</i> <i>Ad.</i> |
| ii | 10 | <i>affinis</i> <i>Ad.</i> | ii 14 <i>Pupa fusiformis</i> <i>Ad.</i> |
| ii | 10 | <i>biradiata</i> <i>Ad.</i> | ii 15 <i>nobilior</i> <i>Ad.</i> |
| ii | 10 | <i>cerina</i> <i>Ad.</i> | ii 15 <i>obesa</i> <i>Ad.</i> |
| ii | 11 | <i>Cyclostoma Duffianum</i> | ii 15 <i>rubella</i> <i>Ad.</i> |
| ii | 11 | <i>Hillianum</i> <i>Ad.</i> [<i>Ad.</i>] | ii 15 <i>tenuidens</i> <i>Ad.</i> |
| ii | 11 | <i>lima</i> <i>Ad.</i> | ii 15 <i>Helix peracutissima</i> <i>Ad.</i> |
| ii | 11 | <i>Bronnii</i> <i>Ad.</i> | ii 15 <i>memoraloides</i> <i>Ad.</i> |
| ii | 11 | <i>fusco-lineatum</i> <i>Ad.</i> | ii 15 <i>subconica</i> <i>Ad.</i> |
| ii | 11 | <i>pulchrius</i> <i>Ad.</i> | ii 15 <i>subpyramidalis</i> <i>Ad.</i> |
| ii | 11 | <i>Helicina Leana</i> <i>Ad.</i> | ii 16 <i>depressa</i> <i>Ad.</i> |
| ii | 12 | <i>lineata</i> <i>Ad.</i> | ii 16 <i>sincera</i> <i>Ad.</i> |
| ii | 12 | <i>solitaria</i> <i>Ad.</i> | ii 16 <i>opalina</i> <i>Ad.</i> |
| ii | 12 | <i>Truncatella succinea</i> <i>Ad.</i> | ii 16 <i>pellucida</i> <i>Ad.</i> |
| ii | 12 | <i>Cumingii</i> <i>Ad.</i> | ii 16 <i>peraffinis</i> <i>Ad.</i> |
| ii | 12 | <i>scalariformis</i> <i>Ad.</i> | ii 16 <i>arboreoides</i> <i>Ad.</i> |
| ii | 12 | <i>Pedipes globulosus</i> <i>Ad.</i> | ii 16 <i>tenerria</i> <i>Ad.</i> |
| | | <i>P. quadridens</i> Pfr.? | ii 16 <i>dioscoricola</i> <i>Ad.</i> |
| ii | 12 | <i>Succinea contorta</i> <i>Ad.</i> | ii 17 <i>Jayana</i> <i>Ad.</i> |
| ii | 12 | <i>Bulimus octonoides</i> <i>Ad.</i> | ii 17 <i>Paludina rivularis</i> <i>Ad.</i> |
| ii | 12 | <i>pallidus</i> <i>Ad.</i> | ii 17 <i>Melania spinifera</i> <i>Ad.</i> |
| ii | 18 | Mighels. —Descriptions of Shells from the Sandwich Islands and other localities: by Dr. J. W. MIGHELS. | ii 17 <i>Planorbis dentiferus</i> <i>Ad.</i> |
| ii | 18 | <i>Helix intercarinata</i> <i>Migh.</i> | Oahu. |
| ii | 19 | <i>subrutila</i> <i>Migh.</i> | Oahu. |
| ii | 19 | <i>tiara</i> <i>Migh.</i> | Kanai. |
| ii | 19 | <i>jugosa</i> <i>Migh.</i> | Waioli. |
| ii | 19 | <i>Helicina laciniosa</i> <i>Migh.</i> | Oahu. |
| ii | 19 | <i>rotelloidea</i> <i>Migh.</i> | Oahu. |
| ii | 19 | <i>Pupa admodesta</i> <i>Migh.</i> | Oahu. |

[Proceedings Boston Soc. Nat. Hist.]

Vol.	Page.		
ii	19	<i>Bulimus armatus</i> <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	<i>Partula virgulata</i> <i>Migh.</i>	Waianai.
ii	20	<i>Achatina accineta</i> <i>Migh.</i>	Oahu.
ii	20	<i>turricula</i> <i>Migh.</i>	Oahu.
ii	20	<i>Achatinella nubilosa</i> <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	<i>Succinea patula</i> <i>Migh.</i>	Oahu.
ii	21	<i>caduca</i> <i>Migh.</i>	Oahu.
ii	21	<i>Physa umbilicata</i> <i>Migh.</i>	Oahu.
ii	21	<i>producta</i> <i>Migh.</i>	Oahu.
ii	22	<i>Paludina porrecta</i> <i>Migh.</i>	Oahu.
ii	22	<i>anthracina</i> <i>Migh.</i>	Tortola.
ii	22	<i>Sigaretus filicatus</i> <i>Migh.</i>	Zanzibar, E. Africa.
ii	22	<i>Solarium implexum</i> <i>Migh.</i>	Oahu.
ii	22	<i>cyclostomum</i> <i>Migh.</i>	Oahu.
ii	22	<i>Turbo rubricinctus</i> <i>Migh.</i>	Oahu.
ii	22	<i>Cerithium gracilentum</i> <i>Migh.</i>	Oahu.
ii	22	<i>maculosum</i> <i>Migh.</i>	Oahu.
ii	23	<i>laciniosum</i> <i>Migh.</i>	Oahu.
ii	23	<i>Pleurotoma crassilabrum</i> <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	<i>Triton lacunatum</i> <i>Migh.</i>	Oahu.
ii	24	<i>Cypræa semiplota</i> <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. | |
| i | 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 *Chiton quercinus* Gould. New South Wales.
 ii 142 *jugosus* Gould. New South Wales.
 ii 142 *fruticosus* Gould. New South Wales.
 ii 143 *platessa* Gould. New South Wales.
 ii 143 *jaspideus* Gould. Callao.
 ii 143 *puniceus* Gould. Orange Harbor.
 ii 143 *confossus* Gould. Feejee Islands.
 ii 144 *pruinus* Gould. Rio Janeiro.
 ii 144 *viridulus* Gould. Orange Harbor.
 ii 144 *petaloides* Gould. Sandwich Islands.
 ii 145 *incanus* Gould. New South Wales.
 ii 148 *Patella talcosa* Gould. Hawaii.
 ii 148 *sagittata* Gould. Feejee Islands.
 ii 149 *illuminata* Gould. Auckland Island.
 ii 149 *citrullus* Gould. Funchal, Madeira.
 ii 150 *Paumotensis* Gould. Feejees, &c.
 ii 150 *luctuosa* Gould. New Zealand.
 ii 150 *piperata* Gould. C. de Verd & Madeira.
 ii 151 *cinnamomea* Gould. New South Wales.
 ii 151 *Lottia cymbiola* Gould. Valparaiso.
 ii 152 *Patella (Lottia?) araneosa* Gould. Sooloo Sea.

Aug. 1846.

- ii 153 *Siphonaria cornuta* Gould. Mangsi Island.
 ii 153 *inculta* Gould. New Zealand.
 ii 153 *lateralis* Gould. Burnt Isl., Or. Harbor.
 ii 154 *lepidia* Gould. Rio Janeiro.
 ii 154 *normalis* Gould. Sandwich Islands.

[Proceedings Boston Soc. Nat Hist.]

Vol.	Page.		
ii	154	Emarginulla aspera <i>Gould.</i>	New South Wales.
ii	154	<i>fungina</i> <i>Gould.</i>	Upolu.
ii	155	<i>ossea</i> <i>Gould.</i>	Feejees.
ii	155	<i>cinerea</i> <i>Gould.</i>	
ii	155	<i>verna</i> <i>Gould.</i>	Cape de Verde.
ii	156	<i>occidens</i> <i>Gould.</i>	Callao.
ii	156	<i>cruciata</i> <i>Gould.</i>	Sooloo Sea.
ii	161	Calyptræa radiosa <i>Gould.</i>	Mangsi Island.
ii	161	<i>chlorina</i> <i>Gould.</i>	Cape de Verds.
ii	161	Hipponix imbricata <i>Gould.</i>	Sandwich Islands.
ii	162	Pileopsis crystallina <i>Gould.</i>	Feejee Islands.
ii	165	Helix gulosa <i>Gould.</i>	New South Wales.
ii	166	<i>zig-zag</i> <i>Gould.</i>	New Zealand.
ii	166	<i>pedestris</i> <i>Gould.</i>	New South Wales.
ii	167	<i>mutata</i> <i>Gould.</i>	Rio Janeiro.
ii	167	<i>lyrata</i> <i>Gould.</i>	Terra del Fuego.
Sept. 1846.			
ii	171	Helix pusillus <i>Gould.</i>	Mountains of Maui.
ii	171	<i>saxatilis</i> <i>Gould.</i>	Terra del Fuego.
ii	171	<i>exæquata</i> <i>Gould.</i>	Kauai.
ii	171	<i>cicercula</i> <i>Gould.</i>	Mountains of Hawaii.
ii	171	<i>cryptoportica</i> <i>Gould.</i>	
ii	172	<i>cultrata</i> <i>Gould.</i>	Taheiti and Eimeo.
ii	172	<i>pertenuis</i> <i>Gould.</i>	Anrora Island.
ii	172	<i>gradata</i> <i>Gould.</i>	Tongataboo.
ii	172	<i>fornicata</i> <i>Gould.</i>	Kauai.
ii	173	<i>rubiginosa</i> <i>Gould.</i>	Kauai.
ii	173	<i>dædalea</i> <i>Gould.</i>	Matea Island.
ii	175	<i>obolus</i> <i>Gould.</i>	Taheiti.
ii	175	<i>bursatella</i> <i>Gould.</i>	Taheiti and Eimeo.
ii	175	<i>tumulus</i> <i>Gould.</i>	Feejees.
ii	176	<i>tentoriolum</i> <i>Gould.</i>	Upolu.
ii	176	<i>troilus</i> (<i>Carocolla</i>) <i>Gould.</i>	Samoa Island.
ii	176	<i>crossida</i> <i>Gould.</i>	Samoa Isl. and Taheiti.
Nov. 1846.			
ii	177	Eurydice <i>Gould.</i>	Tongataboo.
ii	177	<i>subtilissima</i> <i>Gould.</i>	Maui.
ii	178	(<i>Nanina</i>) <i>scorpio</i> <i>Gould.</i>	Feejee Islands.
ii	178	<i>ruida</i> <i>Gould.</i>	Feejee Islands.
ii	178	<i>irradiata</i> <i>Gould.</i>	New Holland.
ii	178	<i>rubricata</i> <i>Gould.</i>	Lebouka, Feejees.
ii	179	<i>lurida</i> <i>Gould.</i>	Feejees.
ii	179	<i>calva</i> <i>Gould.</i>	Feejees.

[Proceedings Boston Soc. Nat. Hist.]

Vol.	Page.		
ii	180	Vitrina Ruivensis Gould.	Madeira.
ii	180	nitida Gould.	Madeira.
ii	181	caperata Gould.	Kauai.
ii	181	marcida Gould.	Madeira.
ii	181	tenella Gould.	Kauai.
ii	181	robusta Gould.	New South Wales.
ii	182	rotundata Gould.	Oahu.
ii	182	cepulla Gould.	Hawaii.
ii	182	putamen Gould.	Upolu.
ii	183	vesicalis Gould.	Mauna Kea, Hawaii.
ii	183	lumbalis Gould.	Kauai.
ii	183	humerosa Gould.	Taheiti.
ii	183	crocata Gould.	Upolu.
ii	184	canella Gould.	Maui.
ii	185	Magellanica Gould.	Terra del Fuego.
ii	185	Manuana Gould.	Manua.
ii	186	modesta Gould.	Upolu.
ii	186	venusta Gould.	Hawaii.
ii	186	pudotina Gould.	Taheiti and Eimeo.
ii	186	infundibuliformis Gould.	Taheiti and Eimeo.
ii	187	procera Gould.	Eimeo.
ii	190	Bulimus elobatus Gould.	Feejees.
ii	190	morosus Gould.	Feejees.
ii	191	prolatus Gould.	Santiago, Chili.
ii	191	ciliatus Gould.	Organ Mount's, Brazil.
ii	191	pruninus Gould.	
ii	191	hybridus Gould.	Rio Janeiro. [Isl'ds.
ii	191	junceus Gould.	Society and Sandwich
March, 1847.			
ii	196	Partula conica Gould.	Samoa Isl., Raraka Isl.
ii	196	zebrina Gould.	Samoa Isl., Tutuila.
ii	197	pusilla Gould.	Matea Island.
ii	197	Pupa (Vertigo) tantilla Gould.	Taheiti.
ii	197	peponum Gould.	Sandwich Islands.
ii	197	(Megaspira) elata Gould.	Brazil.
ii	198	Balea peregrina Gould.	New Zealand.
ii	200	Achatinella marmorata Gould.	Maui.
ii	200	ellipsoidea Gould.	Maui.
ii	200	acuminata Gould.	Kauai.
ii	201	cerealis Gould.	Oahu.
ii	201	guttula Gould.	Maui.
ii	201	Helicina fulgora Gould.	Upolu, Manua.
ii	201	musiva Gould.	Upolu, Manua.
ii	202	trochlea Gould.	Matea Island.

[Proceedings Boston Soc. Nat. Hist.]

Vol.	Page.		
ii	202	Helicina multicolor <i>Gould.</i>	Tongataboo.
ii	202	uberta <i>Gould.</i>	Maui, Oahu.
ii	202	beryllina <i>Gould.</i>	Feejees.
ii	202	pallida <i>Gould.</i>	Feejees.
ii	204	Cyclostoma tiara <i>Gould.</i>	Upolu.
ii	204	strigatum <i>Gould.</i>	Upolu.
ii	205	plicatum <i>Gould.</i>	Upolu.
ii	205	obligatum <i>Gould.</i>	Matea.
ii	205	diatretum <i>Gould.</i>	Feejees.
ii	205	roseum <i>Gould.</i>	Feejees.
ii	206	terebrale <i>Gould.</i>	Taheiti, Eimeo.
ii	206	vallatum <i>Gould.</i>	Tongataboo.
ii	206	citulum <i>Gould.</i>	Taheiti, Eimeo, Manua.
ii	208	Truncatella aurantia <i>Gould.</i>	Mangsi Island, Borneo.
ii	208	Vitiana <i>Gould.</i>	Feejees.
ii	208	porrecta <i>Gould.</i>	Taheiti.
ii	209	rostrata <i>Gould.</i>	Rio Janeiro.
June, 1847.			
ii	210	Ancylus aduncus <i>Gould.</i>	Madeira.
ii	211	Dombeya fasciata <i>Gould.</i>	Concon river, Chili.
ii	211	obovata <i>Gould.</i>	Concon river, Chili.
ii	211	Limnea volutata <i>Gould.</i>	Oahu.
ii	214	Physa tabulata <i>Gould.</i>	New Zealand.
ii	214	gibbosa <i>Gould.</i>	New South Wales.
ii	214	sinuata <i>Gould.</i>	Feejees.
ii	214	reticulata <i>Gould.</i>	Sandwich Islands.
ii	215	venustula <i>Gould.</i>	Lima.
ii	218	Helix anguina <i>Gould.</i>	Manko, Tavoy.
ii	219	Melania pagodula <i>Gould.</i>	Thoungyin river.
ii	219	baccata <i>Gould.</i>	Thoungyin river.
ii	219	humerosa <i>Gould.</i>	Manko, Tavoy.
ii	219	fluctuosa <i>Gould.</i>	Newville, Tavoy.
ii	220	Neritina capillulata <i>Gould.</i>	Tavoy.
ii	220	Nerita articulata <i>Gould.</i>	Tavoy.
ii	220	Nematura puncticulata <i>Gould.</i>	Tavoy.
ii	220	Unio generosus <i>Gould.</i>	Newville, Tavoy.
ii	222	Melania Cybele <i>Gould.</i>	Feejees, &c.
ii	222	tetrica <i>Gould.</i>	Feejees.
ii	222	Terpsichore <i>Gould.</i>	Feejees, &c.
ii	223	corolla <i>Gould.</i>	Bank's Penin., N. Zld.
ii	223	lutosa <i>Gould.</i>	Upolu.
ii	223	corporosa <i>Gould.</i>	Taheiti.
ii	224	Scipio <i>Gould.</i>	Samoa and Feejee Isls.
ii	224	vainafa <i>Gould.</i>	Upolu.

[Proceedings Boston Soc. Nat. Hist.]

Vol.	Page.		
ii	224	Melania scitula <i>Gould.</i>	Upolu.
July, 1847.			
ii	225	furfurosa <i>Gould.</i>	Manilla.
ii	225	Melanopsis Zelandica <i>Gould.</i>	New Zealand.
ii	237	Neritina percata <i>Gould.</i>	
ii	237	choleric <i>Gould.</i>	Feejees.
ii	237	chrysocolla <i>Gould.</i>	Upolu.
ii	238	helvola <i>Gould.</i>	Feejees.
ii	238	siderea <i>Gould.</i>	Feejees.
ii	238	amcena <i>Gould.</i>	
ii	238	musiva <i>Gould.</i>	
ii	239	soluta <i>Gould.</i>	
Dec. 1847.			
ii	251	Bulla parallela <i>Gould.</i>	
ii	251	Tornatella bullata <i>Gould.</i>	Patagonia.
ii	251	Haliotis crispata <i>Gould.</i>	New Holland.
ii	252	Scalaria gracilent <i>Gould.</i>	Mangsi Island.
ii	252	texturata <i>Gould.</i>	
Nov. 1848.			
iii	73	Natica algida <i>Gould.</i>	Rio Negro.
iii	73	dilecta <i>Gould.</i>	
iii	73	Stomatella decolorata <i>Gould.</i>	Mangsi Island.
iii	74	tumida <i>Gould.</i>	China Seas.
iii	74	Ampullaria columellaris <i>Gould.</i>	Mayna, Peru.
iii	74	Amnicola badia <i>Gould.</i>	Bank's Penin., N. Zld.
iii	75	egena <i>Gould.</i>	Bank's Penin., N. Zld.
iii	75	Litiopa decussata <i>Gould.</i>	Lat. 37° 40' N., long. 54° 30' W.
March, 1849.			
iii	83	Littorina caliginosa <i>Gould.</i>	Terra del Fuego.
iii	84	acuminata <i>Gould.</i>	Mangsi Island.
iii	84	Stylifer acicula <i>Gould.</i>	Feejee Islands.
iii	84	Solarium egenum <i>Gould.</i>	
iii	89	Turbo confragosus <i>Gould.</i>	Dean's Island.
iii	90	sirius <i>Gould.</i>	New Holland.
iii	90	laciniatus <i>Gould.</i>	Manilla.
iii	90	Trochus pruninus <i>Gould.</i>	Auckland Island.
iii	90	texturatus <i>Gould.</i>	New Zealand.
iii	91	ovipillus <i>Gould.</i>	New Zealand.
iii	91	jucundus <i>Gould.</i>	New Zealand.
iii	91	gradatus <i>Gould.</i>	Pacific Island.
iii	92	acinosus <i>Gould.</i>	New Zealand.
iii	92	elisus <i>Gould.</i>	Singapore.

[Proceedings Boston Soc. Nat. Hist.]

April, 1849.

Vol.	Page.		
iii	106	Trochus bicrenatus <i>Gould.</i>	
iii	106	<i>circumsutus</i> <i>Gould.</i>	Madagascar?
iii	106	<i>spurcus</i> <i>Gould.</i>	Madeira.
iii	107	<i>amcenus</i> <i>Gould.</i>	Feejee Islands.
iii	107	(Monodonta) <i>colubrinus</i> <i>Gld.</i>	Madeira.
iii	107	<i>instrictus</i> <i>Gould.</i>	Pacific Island.
iii	107	<i>atropurpureus</i> <i>Gould.</i>	Tutuilla.
iii	108	<i>rotellinus</i> <i>Gould.</i>	Mangsi Island.

May, 1849.

iii	118	<i>tantillus</i> <i>Gould.</i>	Sandwich Islands.
iii	118	Planaxis lineolatus <i>Gould.</i>	Wilson's Island.
iii	118	Pyramidella ambigua <i>Gould.</i>	Clermont Tonnerre Isl.
iii	119	Cerithium aduncum <i>Gould.</i>	Mindanao.
iii	119	<i>irroratum</i> <i>Gould.</i>	
iii	119	<i>sordidulum</i> <i>Gould.</i>	
iii	120	<i>invaginatum</i> <i>Gould.</i>	Feejee Islands.
iii	120	<i>cælatum</i> <i>Gould.</i>	Terra del Fuego.
iii	120	<i>pusillum</i> <i>Gould.</i>	Sandwich Islands.
iii	121	<i>egenum</i> <i>Gould.</i>	Wilson's Island.
iii	121	<i>ianthinum</i> <i>Gould.</i>	Clermont Tonnerre.
iii	140	Pleurotoma seminifera <i>Gould.</i>	
iii	140	Mangelia cithara <i>Gould.</i>	Feejee Islands.
iii	141	Fusus liratus <i>Gould.</i>	Orange Harbor.
iii	141	<i>crispus</i> <i>Gould.</i>	Orange Harbor.
iii	141	<i>incisus</i> <i>Gould.</i>	
iii	142	<i>sublutus</i> <i>Gould.</i>	
iii	142	Brazilianum <i>Gould.</i>	Rio Janeiro.
iii	143	Triton mundum <i>Gould.</i>	Tutuilla.
iii	143	Phos varicosus <i>Gould.</i>	Philippine Islands.
iii	143	Murex (Trophon) fruticosus <i>Gld.</i>	New Holland.

Jan. 1850.

iii	151	Buccinum (Bullia?) velatum <i>Gld.</i>	Mindanao.
iii	152	<i>funereum</i> <i>Gould.</i>	New Zealand.
iii	152	(Pollia) <i>farinosum</i> <i>Gould.</i>	Kauai.
iii	153	Nassa musiva <i>Gould.</i>	Cape de Verd Islands.
iii	153	<i>lurida</i> <i>Gould.</i>	Tutuilla.
iii	153	<i>curta</i> <i>Gould.</i>	Samoa Island.
iii	154	<i>cinctella</i> <i>Gould.</i>	Pacific Ocean.
iii	154	<i>casta</i> <i>Gould.</i>	Pacific Ocean.
iii	154	<i>acinosa</i> <i>Gould.</i>	
iii	155	<i>paupera</i> <i>Gould.</i>	Pacific Ocean.
iii	155	<i>rubricata</i> <i>Gould.</i>	Pacific Shore.

[Proceedings Boston Soc. Nat. Hist.]

Vol.	Page.		
iii	169	Columbella valga <i>Gould.</i>	Pacific.
iii	170	<i>castanea</i> <i>Gould.</i>	Rio Janeiro.
iii	170	Mitra vitellina <i>Gould.</i>	
iii	170	<i>fidicula</i> <i>Gould.</i>	
iii	171	<i>cophina</i> <i>Gould.</i>	Singapore.
iii	171	<i>robata</i> <i>Gould.</i>	
iii	171	<i>capillata</i> <i>Gould.</i>	Madeira.
iii	172	<i>encausta</i> <i>Gould.</i>	Feejee Islands.
iii	172	Conus dilectus <i>Gould.</i>	Feejee Islands.
April, 1850.			
iii	193	Vaginulus Liberianus <i>Gould.</i>	Liberia.
iii	193	Succinea spurca <i>Gould.</i>	Liberia.
iii	193	<i>helicoidea</i> <i>Gould.</i>	Liberia.
iii	194	Helix indecorata <i>Gould.</i>	Liberia.
iii	194	<i>cerea</i> <i>Gould.</i>	Cape Palmas.
iii	194	<i>talcosa</i> <i>Gould.</i>	Cape Palmas.
iii	194	Bulimus mucidus <i>Gould.</i>	Liberia.
iii	195	<i>infracinctus</i> <i>Gould.</i>	Taboo, Liberia.
iii	195	Achatina ventricosa <i>Gould.</i>	Liberia.
iii	195	<i>balteata</i> <i>Gould.</i>	Liberia.
iii	196	<i>paritura</i> <i>Gould.</i>	Liberia.
iii	196	Amnicola ciliata <i>Gould.</i>	Deca river, Liberia.
iii	196	Ampullaria balanoidea <i>Gould.</i>	Liberia.
iii	197	Trichotropis pusillus <i>Gould.</i>	Liberia.
iii	197	Aplysia fimbriata <i>Gould.</i>	South America.
iii	197	Bulimus interstinctus <i>Gould.</i>	
		<i>B. rubicundulus</i> <i>Gould.</i>	
May, 1850.			
iii	214	Pholas patula <i>Gould.</i>	Philippine Islands.
iii	214	Solen scalprum <i>Gould.</i>	Singapore.
iii	214	Panopæa antarctica <i>Gould.</i>	Rio Negro, Patagonia.
iii	215	Mactra deluta <i>Gould.</i>	New Zealand.
iii	216	<i>cuneola</i> <i>Gould.</i>	Callao.
iii	216	<i>marcida</i> <i>Gould.</i>	Orange Harbor.
iii	217	Mesodesma munda <i>Gould.</i>	Mangsi.
iii	217	Pandora cistula <i>Gould.</i>	East Patagonia.
iii	218	Osteodesma Braziliensis <i>Gould.</i>	Rio Janeiro.
iii	218	Amphidesma croceum <i>Gould.</i>	Callao.
iii	218	Erycina (Poronia) ovata <i>Gould.</i>	Sandwich Islands.
June, 1850.			
iii	252	(Kellia) quadrata <i>Gould.</i>	Feejee Islands.
iii	252	Tellina tithonia <i>Gould.</i>	Sooloo Sea.
iii	252	<i>lauta</i> <i>Gould.</i>	

[Proceedings Boston Soc. Nat. Hist.]

Vol.	Page.		
iii	253	<i>Tellina compta</i> Gould.	
iii	253	<i>exulta</i> Gould.	Feejee Islands.
iii	253	<i>concentrica</i> Gould.	Feejee Islands.
iii	254	<i>perula</i> Gould.	Feejee Islands.
iii	254	<i>Psammobia florida</i> Gould.	Illawarra, N. S. Wales.
iii	254	<i>Donax pallidus</i> Gould.	Singapore.
iii	255	<i>tinctus</i> Gould.	
iii	255	<i>crocatus</i> Gould.	Mangsi.
iii	255	<i>Lucina ramulosa</i> Gould.	Paumotu Island.
iii	255	<i>inculta</i> Gould.	New Zealand.
iii	256	<i>vesicula</i> Gould.	Tongataboo.
iii	256	<i>lenticula</i> Gould.	Patagonia?
July, 1850.			
iii	276	<i>Cardita procera</i> Gould.	Rio Negro, Patagonia.
iii	276	<i>Cypricardia rosea</i> Gould.	Feejee Islands.
iii	277	<i>Arthemis lambata</i> Gould.	Bay of Islands.
iii	277	<i>Venus toreuma</i> Gould.	Mangsi.
iii	277	<i>calcareo</i> Gould.	New Zealand.
iii	278	<i>Arca sobria</i> Gould.	
Nov. 1850.			
iii	292	<i>Cyclas egregia</i> Gould.	New South Wales?
iii	293	<i>Cyrena debilis</i> Gould.	New Holland?
iii	293	<i>Anodon glauca</i> Gould.	Pern.
iii	295	<i>Unio lutulentus</i> Gould.	New Zealand.
iii	295	<i>profugus</i> Gould.	New South Wales.
iii	295	<i>verecundus</i> Gould.	Manilla.
iii	296	<i>dorsuosus</i> Gould.	Eastern Asia.
iii	309	<i>Avicula vidua</i> Gould.	Feejee Islands.
iii	309	<i>nigra</i> Gould.	Singapore.
iii	309	<i>maculata</i> Gould.	Tutuilla.
iii	309	<i>fucata</i> Gould.	Feejee Islands.
iii	310	<i>lurida</i> Gould.	New Zealand.
iii	310	<i>Auricula glabra</i> Gould.	New Zealand.
iii	310	<i>Crenatula pergaminea</i> Gould.	Feejee Islands.
iii	311	<i>Perna argillacea</i> Gould.	
iii	311	<i>torva</i> Gould.	Sandwich Islands.
iii	311	<i>eremita</i> Gould.	Carlshoff Islands.
iii	312	<i>nana</i> Gould.	Feejee Islands.
iii	312	<i>Pinna senticosa</i> Gould.	New Zealand.
Dec. 1850.			
iii	343	<i>Mytilus</i> (Mod.) <i>areolatus</i> Gould.	New Zealand.
iii	343	<i>hepaticus</i> Gould.	Feejee Islands.
iii	344	<i>pyriformis</i> Gould.	South Seas.

[Proceedings Boston Soc. Nat. Hist.]

- | | | | |
|-------------|-------|---|------------------------|
| Vol. | Page. | | |
| iii | 344 | Mytilus divaricatus <i>Gould.</i> | China Seas. |
| iii | 344 | algosus <i>Gould.</i> | South Seas. |
| iii | 345 | (Modiolarca) pusillus <i>Gould.</i> | Terra del Fuego. |
| iii | 345 | Pecten lætus <i>Gould.</i> | New Zealand. |
| iii | 346 | Ostrea circumscuta <i>Gould.</i> | Feejee and Samoa Isls. |
| iii | 346 | mordax <i>Gould.</i> | Feejee Islands. |
| iii | 346 | glomerata <i>Gould.</i> | New Zealand. |
| iii | 347 | discoidea <i>Gould.</i> | |
| iii | 347 | Terebratula Patagonica <i>Gould.</i> | Patagonia. |
| iii | 348 | Mactra debilis <i>Gould.</i> | Singapore. |
| Oct. 1854. | | | |
| v | 35 | Notes on— | |
| v | 35 | Argonauta. | |
| Sept. 1855. | | | |
| v | 218 | Dr. W. Newcomb. | |
| v | 218 | Achatinella physa <i>Newc.</i> | Hawaii. |
| v | 218 | undulata <i>Newc.</i> | Oahu. |
| v | 219 | nigra <i>Newc.</i> | East Maui. |
| v | 219 | tetrao <i>Newc.</i> | Ranai. |
| v | 220 | succincta <i>Newc.</i> | Oahu. |
| Aug. 1856. | | | |
| v | 369 | Dr. J. C. Warren, On the animal of the Argonaut Shell. | |
| Sept. 1856. | | | |
| v | 386 | Dr. James C. Parkinson. | |
| v | 386 | Argonauta Conradi <i>Park.</i> | New Nantucket, Pacific |
| v | 387 | fragilis <i>Park.</i> | [Ocean.] |
| Oct. 1856. | | | |
| vi | 11 | Dr. A. A. Gould. | |
| vi | 11 | Helix reperculsa <i>Gould.</i> | Tavoy, Merqui. |
| vi | 12 | Bulimus lepidus <i>Gould.</i> | Merqui Island. |
| vi | 12 | lautus <i>Gould.</i> | Quito. |
| vi | 12 | Streptaxis prostata <i>Gould.</i> | Cape Palmas, &c. |
| vi | 13 | elisa <i>Gould.</i> | Merqui Archipelago. |
| vi | 13 | exacutus <i>Gould.</i> | Burmah. |
| vi | 13 | Clausilia vespa <i>Gould.</i> | Tavoy. |
| vi | 14 | Cyclostoma pollex <i>Gould.</i> | Tavoy. |
| vi | 14 | cucullata <i>Gould.</i> | Merqui. |
| vi | 15 | Teredo thoracites <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	423	<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 (Leuconia) opportuna</i> Gd.	Loo Choo.
vii	40	<i>Omphalotropis strictus</i> Gould.	Loo Choo.
vii	40	<i>Linnæa 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>Assiminea 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	Vanikoro scalarina <i>Gould.</i>	Loo Choo.
vii	44	Fossar tornatilis <i>Gould.</i>	Hong Kong.
Oct. 1859.			
vii	138	Paxillus tantillus <i>Gould.</i>	Hong Kong.
vii	138	<i>lyratus</i> <i>Gould.</i>	Loo Choo.
vii	138	Littorina vidua <i>Gould.</i>	Ousima.
vii	138	Bulla vernicosa <i>Gould.</i>	Loo Choo.
vii	138	Atys muscaria <i>Gould.</i>	China Seas.
vii	138	<i>porcellana</i> <i>Gould.</i>	Kagosima Bay.
vii	139	Haminea angusta <i>Gould.</i>	Simoda.
vii	139	Philine vitrea <i>Gould.</i>	Hong Kong.
vii	139	<i>argentata</i> <i>Gould.</i>	Hakodadi.
vii	139	Tornatina apicina <i>Gould.</i>	Sydney Harbor.
vii	139	Cylichna villica <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	Actæon secale <i>Gould.</i>	China Seas.
vii	141	Buccinulus strigosus <i>Gould.</i>	Loo Choo, &c.
vii	141	Liotia solidula <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	Cyclostrema modestum <i>Gould.</i>	Hong Kong.
Dec. 1859.			
vii	161	Patella grata <i>Gould.</i>	Nippon.
vii	162	<i>pallida</i> <i>Gould.</i>	Hakodadi.
vii	162	Acmæa dorsuosa <i>Gould.</i>	Hakodadi.
vii	162	Scutellina unguiformis <i>Gould.</i>	Kagosima.
vii	162	<i>scobinata</i> <i>Gould.</i>	Ousima.
vii	162	Emarginula pileata <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	Rimula echinata <i>Gould.</i>	Gaspé Straits.
vii	163	Chiton (Lophyrus) lugubris <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>concinus</i> <i>Gould.</i>	Hakodadi.

[Proceedings Boston Soc. Nat. Hist.]

Vol.	Page.		
vii	164	Chiton (Leptochiton) craticulatus <i>Gld.</i>	China, &c.
vii	164	(Lepidopleura) lepidus <i>Gould.</i>	China.
vii	165	(Chaetopleura) plumosus <i>Gld.</i>	
vii	165	(Acanthochætes) achates <i>Gld.</i>	Kikaia, &c.
vii	165	(Molpalia) Stimpsoni <i>Gould.</i>	Hakodadi.
vii	165	Dentalium aciculum <i>Gould.</i>	China.
vii	166	hexagonum <i>Gould.</i>	Hong Kong.
vii	166	buccinulum <i>Gould.</i>	Kagosima.
vii	166	intercalatum <i>Gould.</i>	China.
vii	166	strigatum <i>Gould.</i>	Cape of Good Hope.
vii	166	porcatum <i>Gould.</i>	Hong Kong.
vii	166	clavatum <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	Diplasma <i>Raf.</i> (n. g.)	
6	marginata <i>Raf.</i>	Tennessee? Hindostan?
6	similis <i>Raf.</i>	Ganges.
6	vitrea <i>Raf.</i>	River Jellingby.
6	striata <i>Raf.</i>	River Jellingby.
7	Hemislasma <i>Raf.</i> (n. s. g.)	
7	Unio (Lampsilis) fulgens <i>Raf.</i>	Ganges.
7	argyratus <i>Raf.</i>	Ganges.
7	corrugata <i>Auct.</i>	Baramputra.
7	(Obliquaria? Aximedia?) <i>Raf.</i>	
7	Longocilla <i>Raf.</i> (n. g.)	
7	solenoides <i>Raf.</i> (<i>Anodonta</i>).	River Jellingby.
7	Dianisotis <i>Raf.</i> (n. g.)	
7	chinensis <i>Raf.</i>	
	<i>Symphonota 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	Cypræa moneta.	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	<i>Symphynota bi-alata</i> <i>Lea.</i> Asia?
456			i	70	<i>cygnea</i> <i>Lea.</i> Europe. <i>Mytilus cygneus</i> Linn. <i>Anodonta cygneus</i> Lam.
Vol. iv. 1834.					
91	xii	22	i	101	<i>Unio multistriatus</i> <i>Lea.</i> Brazil.
95	xiii	25	i	105	<i>cæruleus</i> <i>Lea.</i> Hoogly r., Hind.
97	xiii	27	i	107	<i>incurvus</i> <i>Lea.</i> Gibraltar.
98	xi	19	i	108	<i>Symphynota bilineata</i> <i>Lea.</i> Hoogly r., Hind.
108	xxi	38	i	118	<i>Unio olivarius</i> <i>Lea.</i> Burrell r., India.
Vol. v. 1837.					
28	i	1	i	140	<i>Nicklinianus</i> <i>Lea.</i> China.
33	iii	6	i	145	<i>Murchisonianus</i> <i>Lea.</i> China.
40	viii	19	i	152	<i>lacteolus</i> <i>Lea.</i> R. de la Plata.
42	v	13	i	154	<i>Symphynota Woodiana</i> <i>Lea.</i> China.
43	v	14	i	155	<i>magnifica</i> <i>Lea.</i> China.
49	xix	56	i	161	<i>Helicina lens</i> <i>Lea.</i> Feejee Islands.
49	xix	57	i	161	<i>pulcherrima</i> <i>Lea.</i> Java (Cuba, ij,
50	xix	58	i	162	<i>virginea</i> <i>Lea.</i> Java. [69].
					<i>Hel. striata</i> Lam?
51	xix	59	i	163	<i>Helix muscarum</i> <i>Lea.</i> Society Islands.
51	xix	60	i	163	<i>purpuragula</i> <i>Lea.</i> Java Islands.
52	xix	61	i	164	<i>ovum-reguli</i> <i>Lea.</i> Java Islands.
53	xix	62	i	165	<i>monodonta</i> <i>Lea.</i> Java Islands.
53	xix	63	i	165	<i>cyclostomopsis</i> <i>Lea.</i>
54	xix	64	i	166	<i>mamilla</i> <i>Lea.</i>
54	xix	65	i	166	<i>diaphana</i> <i>Lea.</i>
55	xix	66	i	167	<i>Himalana</i> <i>Lea.</i> Himalaya Mts.
56	xix	67	i	168	<i>vesica</i> <i>Lea.</i>
56	xix	68	i	168	<i>cincta</i> <i>Lea.</i> Java?
57	xix	69	i	169	<i>Woodiana</i> <i>Lea.</i> Canton.
58	xix	70	i	170	<i>globula</i> <i>Lea.</i> Canton.
60	viii	20	i	172	<i>Unio parallelipedon</i> <i>Lea.</i> River Parana.
62	ix	22	i	174	<i>emarginatus</i> <i>Lea.</i>
62	ix	24	i	176	<i>divaricatus</i> <i>Lea.</i> Egypt.
62	ix	25	i	177	<i>Corrianus</i> <i>Lea.</i> India.
66	ix	26	i	178	<i>Grayanus</i> <i>Lea.</i> China.

[Lea, Observations, &c.]

Tr. A. P. S. Vol. v. 1837.			Obs.		
Pa.	Pl.	Fig.	V.	Pa.	
67	x	27	i	179	Unio Burroughianus <i>Lea.</i> River Parana.
75	xi	33	i	187	Symphynota discoidea <i>Lea.</i>
76	xii	34	i	188	Anodonta latomarginata River Parana.
77	xii	35	i	189	Blainvilliana <i>Lea.</i> [<i>Lea.</i> Chili?
78	xii	36	i	190	tenebricosa <i>Lea.</i> River Parana.
80	xiii	37	i	192	Mortoniana <i>Lea.</i> River Parana.
81	xix	72	i	193	Melania aculens <i>Lea.</i> Java?
81	xix	73	i	193	Lymnæa imperialis <i>Lea.</i> South America?
82	xix	74	i	194	Melanopsis princeps <i>Lea.</i> C. of Good Hope.
82	xix	75	i	194	maculata <i>Lea.</i> Pern.
83	xix	76	i	195	Auricula fuscagula <i>Lea.</i> Brazil (Cuba, ii,
84	xix	77	i	196	Cyclostoma striata <i>Lea.</i> Pern. [69].
99	xiv	42	i	311	Unio Paranensis <i>Lea.</i> River Parana.
105	xvi	49	i	317	Anodonta Burroughiana Island Luconia.
107	xvii	51	i	219	Cyrena rotundata <i>Lea.</i> [<i>Lea.</i>
108	xvii	52	i	320	Jayensis <i>Lea.</i> Batavia?
109	xviii	53	i	321	turgida <i>Lea.</i> India.
110	xviii	55	i	322	Woodiana <i>Lea.</i> Canton.
111	xviii		i	323	Aprodite <i>Lea.</i> (n. g.)
111	xviii	54	i	323	columba <i>Lea.</i>
113	xix	80	i	325	Paludina Burroughiana <i>Lea.</i> Island Luconia.
Vol. vi. 1839.					
3	ii	3	ii	3	Unio Bengalensis <i>Lea.</i> Bengal.
16	xxiii	77	ii	16	Ampullaria Pealiana <i>Lea.</i> Turbaco, Colum-
19	vi	16	ii	19	Unio lamellatus <i>Lea.</i> Bengal. [bia.
20	xxiii	95	ii	20	Melania plicata <i>Lea.</i> Bengal?
21			ii	21	Megaspira <i>Lea.</i> (n. g.)
21	xxiii	101	ii	21	Ruschenbergiana <i>Lea.</i> Brazil?
65	xxiii	100	ii	65	Bulimus lacteus <i>Lea.</i> Magdalena riv.
65	xxiii	105	ii	65	Pealianus <i>Lea.</i> Angostura, Col.
66	xxiii	110	ii	66	Columbianus <i>Lea.</i> Magdalena riv.
66	xxiii	111	ii	66	corneus <i>Lea.</i> Buena Vista, Co-
					lumbia.
68	xxiii	87	ii	68	Cyclostoma maculata <i>Lea.</i> Manilla.
74	xviii	57	ii	74	Unio discus <i>Lea.</i> India.
75	xviii	58	ii	75	contradens <i>Lea.</i>
81	xxii	68	ii	81	Anodonta exilis <i>Lea.</i>
82	xxii	70	ii	82	Iridina cœlestis <i>Lea.</i> Africa.
83	xxiii	92	ii	83	Bulimus glandiformis <i>Lea.</i> New Grenada.
84	xxiii	96	ii	84	parvus <i>Lea.</i> Carthagera.
84	xxiii	97	ii	84	virgo <i>Lea.</i> Carthagera.
85	xxiii	99	ii	85	Gibbonius <i>Lea.</i> New Grenada.

[Lea, Observations, &c.]

Tr. A. P. S. Vol. vi. 1839.			Obs.			
Pa.	Pl.	Fig.	V.	Pa.		
85	xxiii	102	ii	85	Bulimus gracilis <i>Lea.</i>	Carthagenæ.
86	xxiii	108	ii	86	decoratus <i>Lea.</i>	Carthagenæ.
86	xxiii	112	ii	86	maculatus <i>Lea.</i>	Carthagenæ.
89	xxiii	88	ii	89	Helix magnifica <i>Lea.</i>	New Grenada.
90	xxiii	78	ii	90	Paludina sinistrorsa <i>Lea.</i>	India.
94	xxiii	76	ii	94	Cyclostoma Popayana <i>Lea.</i>	New Grenada.
98	xxiii	73	ii	98	Carocolla Hydiana <i>Lea.</i>	Porto Cabello.
108	xxiv	116	ii	108	Unio Brownianus <i>Lea.</i>	River Amazon.
121			ii	121	Synopsis of the family of Naiades.	
141			ii	141	Platiris <i>Lea</i> (n. g.)	
141			ii	141	Spatha <i>Lea</i> (n. s. g.)	

Vol. vii. 1841.

455					Description of nineteen new species of Colimacea.	
455	xi	1			Bulimus subglobosus <i>Lea.</i>	Philippine Islds.
455	xi	2			virido-striatus <i>Lea.</i>	Philippine Islds.
456	xi	3			virginieus <i>Lea.</i>	Philippine Islds.
457	xi	4			Liberianus <i>Lea.</i>	Liberia.
457	xi	5			Woodianus <i>Lea.</i>	Philippine Islds.
458	xi	6			gracilis <i>Lea.</i>	Philippine Islds.
458	xi	7			carinatus <i>Lea.</i>	Philippine Islds.
459	xi	8			bicoloratus <i>Lea.</i>	Philippine Islds.
459	xii	9			Helix Blandingianus <i>Lea.</i>	Liberia.
460	xii	10			Balestieriana <i>Lea.</i>	Philippine Islds.
461	xii	11			Lamarckiana <i>Lea.</i>	Philippine Islds.
461	xii	12			Cuvieriana <i>Lea.</i>	Philippine Islds.
462	xii	13			luteo-fasciata <i>Lea.</i>	Philippine Islds.
462	xii	14			cepoides <i>Lea.</i>	Philippine Islds.
463	xii	15			Blainvilliana <i>Lea.</i>	Philippine Islds.
463	xii	16			Humphreysiana <i>Lea.</i>	Pondicherry, Singapore.
464	xii	17			ferruginea <i>Lea.</i>	Philippine Islds.
465	xii	18			Carocolla bifasciata <i>Lea.</i>	Philippine Islds.
465	xii	19			Cyclostoma Woodiana <i>Lea.</i>	Philippine Islds.

Vol. viii. 1843.

192	vii	2	iii	30	Unio cucumoides <i>Lea.</i>	Hunter's r., N. S.
218	xvii	35	iii	55	delphinus <i>Lea.</i>	N. Holland? [W.]
220	xviii	37	iii	56	Javanus <i>Lea.</i>	Java.
221	xviii	38	iii	58	orientalis <i>Lea.</i> [ana <i>Lea.</i> Java?	
222	xviii	39	iii	59	Margaritana Vondenbuschi <i>Lea.</i>	Java?

[Lea, Observations, &c.]

TR. A. P. S.			OBS.			
Vol. viii. 1843.						
Pa.	Pl.	Fig.	V.	Pa.		
239	xxiii	53	iii	77	Unio Rajahensis <i>Lea.</i>	Calcutta.
240	xxiii	55	iii	78	Anodonta Montezuma <i>Lea.</i>	Central America.
Vol. ix. 1844.						
2			iv	2	Bulimus Jayanus <i>Lea.</i>	Java?
2			iv	2	Achatina turbinata <i>Lea.</i>	Liberia.
3			iv	3	striata <i>Lea.</i>	Liberia.
3			iv	3	Succinea gracilis <i>Lea.</i>	Java?
5			iv	5	Candeana <i>Lea.</i>	Martinique.
5			iv	5	fulgens <i>Lea.</i>	Cuba.
12			iv	12	Lymnæa rubella <i>Lea.</i>	Oahu.
Vol. ix. 1846.						
281	xlii	11	iv	39	Unio superbus <i>Lea.</i>	New Holland.
282	xlii	12	iv	50	aratus <i>Lea.</i>	

Vol. x, pt. 2, 1852.

New Fresh Water and Land Shells.

282	xxiv	41	v	38	Ingallsianus <i>Lea.</i>	Siam.
288	xxvi	48	v	43	Anodonta Trautrimiana <i>Lea.</i>	Carthageria.
288	xxvi	49	v	43	Wheatleyi <i>Lea.</i>	Para, S. A.
291	xxviii	54	v	47	tortilis <i>Lea.</i>	Carthageria.
292	xxiv	55	v	48	Schröteriana <i>Lea.</i>	Rio Negro, Br.
295			v	51	Basistoma <i>Lea</i> (n. g.)	
296	xxx	1	v	52	Edwardsi <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	Unio Hainesianus <i>Lea.</i>	Siam.
290	xxii	2	vi	10	Myersianus <i>Lea.</i>	Siam.
291	xxiii	3	vi	11	Housei <i>Lea.</i>	Siam.
291	xxiv	4	vi	11	luteus <i>Lea.</i>	Newville, Bur-
					<i>U. luteus</i> <i>Lea.</i>	[mah.]
292	xxiv	5	vi	12	gravidus <i>Lea.</i>	Siam.
293	xxiv	6	vi	13	inornatus <i>Lea.</i>	Siam.
294	xxv	7	vi	14	rusticus <i>Lea.</i>	Siam.
294	xxv	8	vi	14	eximius <i>Lea.</i>	Siam.
295	xxv	9	vi	15	tumidulus <i>Lea.</i>	Siam.
296	xxvi	10	vi	16	humilis <i>Lea.</i>	Siam.

[Lea, Observations, &c.]

JOURN A N. S. Obs.
Vol. iii Jan. 1858.

Pa.	Pl.	Fig.	V.	Pa.		
297	xxvi	11	vi	17	Unio phaselus <i>Lea.</i>	Siam.
298	xxvi	12	vi	18	sagittarius <i>Lea.</i>	Siam.
299	xxvi	13	vi	19	scobinatus <i>Lea.</i>	Siam.
300	xxvi	14	vi	20	substriatus <i>Lea.</i>	Siam.
300	xxvii	15	vi	20	Africanus <i>Lea.</i>	C. of Good Hope.
301	xxvii	16	vi	21	Verreauianus <i>Lea.</i>	C. of Good Hope.
302	xxvii	17	vi	22	Shurtleffianus <i>Lea.</i>	Sina river, India.
303	xxviii	18	vi	23	effulgens <i>Lea.</i>	Brazil.
304	xxviii	19	vi	24	Shuttleworthii <i>Lea.</i>	Australia.
305	xxviii	20	vi	25	Dunkerianus <i>Lea.</i>	Rio de Janeiro.
306	xxviii	21	vi	26	nucleus <i>Lea.</i>	Siam.
307	xxix	22	vi	27	Brownii <i>Lea.</i>	Mocha?
308	xxix	23	vi	28	Wheatleyanus <i>Lea.</i>	R. Negro, Plata.
309	xxix	24	vi	29	Suavidicus <i>Lea.</i>	River Amazon.
310	xxx	25	vi	30	Nuttallianus <i>Lea.</i>	India.
312	xxx	27	vi	32	Newcombianus <i>Lea.</i>	Nicaragua.
313	xxx	28	vi	33	Cambodiensis <i>Lea.</i>	Taekrong river.
316	xxxii	31	vi	36	Anodonta Holtonis <i>Lea.</i>	Carthage, New
317			vi	37	Plagiodon <i>Lea</i> (n. s. g.)	[Grenada.
318	xxxii	32	vi	38	isocardioides <i>Lea.</i>	River Plata.
319	xxxiii	33	vi	39	Triquetra contorta <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 **Haldeman.**—(Same as p. 372.)i 53 **Pisidium diaphanum** *Hald.* Brazil?

May, 1846.

iii 66 **Phillips.**—Description of a new Fresh Water Shell, and observations on *Glandina obtusa* *Pfr.*: by JOHN S. PHILLIPS.iii 66 i 11 **Physa princeps** *Phil.* Yucatan.iii 66 i 33 **Glandina (Achatina) cylindracea** *Phil.* Yucatan.*G. obtusa* *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.
Acostwa 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 laberculifera*** *St.* China.

[Proceedings Academy of Natural Sc.]

Vol.	Pa.		
vii	377	Cynthia satsumensis <i>St.</i>	Japan.
vii	377	<i>delicatula St.</i>	Tanegasima.
vii	377	<i>ocellifera St.</i>	China.
vii	378	<i>gemmata St.</i>	China.
vii	378	<i>araneosa St.</i>	China.
vii	378	Coriocella punctata <i>St.</i>	Ousima.
vii	378	<i>tuberosa St.</i>	China.
vii	378	Aplysia laevigata <i>St.</i>	Ousima.
vii	378	Notarchus gibbosus <i>St.</i>	China.
vii	378	<i>lineolatus St.</i>	Loo Choo.
vii	378	Placobranchus guttatus <i>St.</i>	Loo Choo.
vii	379	Eolis humilis <i>St.</i>	China.
vii	379	Gymnodoris <i>St.</i> (n. g.)	
vii	379	<i>maculata St.</i>	Loo Choo.
vii	379	Polycera? <i>ramulosa St.</i>	China.
vii	379	Idalia tentaculata <i>St.</i>	China.
vii	379	Hemidoris <i>St.</i> (n. g.)	
vii	379	<i>cœruleata St.</i>	China.
vii	379	Doris indurata <i>St.</i>	China.
vii	379	<i>gibberosa St.</i>	China.
vii	380	<i>olivacea St.</i>	Loo Choo.
vii	380	<i>Rogersii St.</i>	Kikaisima.
vii	380	<i>areolata St.</i>	Boninsima.
vii	380	<i>nigra St.</i>	Loo Choo, Kikaisima.
vii	380	<i>latens St.</i>	Loo Choo.
vii	380	Onchis fruticosa <i>St.</i>	Kikaisima.

July, 1855.

(Continued.)

vii	387	Cynthia angularis <i>St.</i>	C. of Good Hope, Simon's Bay.
vii	387	<i>lævissima St.</i>	Port Jackson, Aus.
vii	387	<i>sabulosa St.</i>	Port Jackson, Aus.
vii	387	<i>dumosa St.</i>	Port Jackson, Aus.
vii	387	Molgula inconspicua <i>St.</i>	Port Jackson, Aus.
vii	387	Ascidia sydneyensis <i>St.</i>	Port Jackson, Aus.
vii	388	<i>succida St.</i>	Port Jackson, Aus.
vii	388	Eolis cacaotica <i>St.</i>	Port Jackson, Aus.
vii	388	Tritonia pallida <i>St.</i>	False Bay, C. of G. H.
vii	388	Triopa lucida <i>St.</i>	Simon's Bay, C. of G. H.
vii	388	Goniodoris obscura <i>St.</i>	Port Jackson, Aus.
vii	389	Doris obtusa <i>St.</i>	Port Jackson, Aus.
vii	389	<i>excavata St.</i>	Port Jackson, Aus.

[Proceedings Academy of Natural Sc.]

April, 1856.

Vol.	Pa.		
viii	79	Lea. —Description of a new sub-genus of Naiades: by ISAAC LEA.	
viii	79	Plagiodon <i>Lea</i> (n. s. g.)	
viii	79	isocardioides <i>Lea.</i>	Rio Plata.
viii	79	Lea. —Description of a new species of <i>Triquetra Klein</i> (<i>Hyria Lam.</i>): by ISAAC LEA.	
viii	79	Triquetra lanceolata <i>Lea.</i>	China?
viii	92	Lea. —Description of twenty-five new species of Exotic Uniones: by ISAAC LEA.	
viii	92	Unio Hainesianus <i>Lea.</i>	Siam.
viii	92	Myersianus <i>Lea.</i>	Siam.
viii	92	Housei <i>Lea.</i>	Siam.
viii	93	gravidus <i>Lea.</i>	Siam.
viii	93	inornatus <i>Lea.</i>	Siam.
viii	93	lutens <i>Lea.</i>	Newville, Burmah.
viii	93	eximius <i>Lea.</i>	Siam.
viii	93	tumidulus <i>Lea.</i>	Siam.
viii	93	rusticus <i>Lea.</i>	Siam.
viii	93	sagittarius <i>Lea.</i>	Siam.
viii	93	substriatus <i>Lea.</i>	Siam.
viii	93	scobinatus <i>Lea.</i>	Siam.
viii	93	humilis <i>Lea.</i>	Siam.
viii	94	phaselus <i>Lea.</i>	Siam.
viii	94	Verreauianus <i>Lea.</i>	Cape of Good Hope.
viii	94	Africanus <i>Lea.</i>	Cape of Good Hope.
viii	94	Shurtleffianus <i>Lea.</i>	Sina river, &c., India.
viii	94	exfulgens <i>Lea.</i>	Brazil.
viii	94	Dunkerianus <i>Lea.</i>	Brazil, &c.
viii	94	Shuttleworthii <i>Lea.</i>	Australia.
viii	94	nucleus <i>Lea.</i>	Siam.
viii	94	Wheatleyanus <i>Lea.</i>	Rio Plata, Rio Negro.
viii	95	Brownii <i>Lea.</i>	Mocha?
viii	95	suavidicus <i>Lea.</i>	River Amazon.

May, 1856.

viii	103	Lea. —Description of four new species of Exotic Uniones: by ISAAC LEA.	
viii	103	Unio Nuttallianus <i>Lea.</i>	India.
viii	103	Cambodiensis <i>Lea.</i>	Takrong riv., at Korat, Cambodia.
viii	105	Newcombianus <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 **Bithinia Siamensis** *Lea.* Takrong river, Siam.
- viii 110 **globula** *Lea.* India.
- viii 110 **Paludomus maculata** *Lea.* Ahmednugger, India.
- viii 110 **Ampullaria aurostoma** *Lea.* Carthage.
- viii 110 **tubæformis** *Lea.*
- viii 110 **gracilis** *Lea.* Siam.
- viii 110 **turbinis** *Lea.* Siam.
- viii 111 **Assiminea 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 **Maniensis** *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 **Thwaitzii** *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.¹

Vol. 1, pt. 1, No. 1. May, 1817.

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^b **Desmarestia** Les. Near Martinique.
39 ii 2^a **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.

¹ 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		Loligo Bartrami <i>Les.</i>	
95	?		Bartlingii <i>Les.</i>	Gulf Stream.
100			Sepiola cardioptera <i>Peron.</i>	Lat. 31° S., long. 48° E.
100			Sepia sepiola <i>Peron.</i>	Endrach, N. Holland.
101			<i>octopa</i> <i>Peron</i> = Peronii <i>Les.</i>	Dorre, Shark Bay.
101			<i>rugosa</i> <i>Peron</i> non <i>Bosc.</i> = Sepia Boscii <i>Les.</i>	
101			varietas <i>Peron.</i>	Dorre Island.

Vol. ii, pt. 2. 1822.

296 **Lesueur.**—On the *Onykia angulata*: by C. A. LESUEUR.

298 ? 1, 2 **Onykia angulata** *Les.* Lat. 36° 40' S., long.
(See also p. 100 of same vol.) [29° E.]

Vol. iii, pt. 1. 1823.

2 **Lesueur.**—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	Ascidia atra <i>Les.</i>	St. Vincent's, &c.
2	i	1	cavernosa <i>Les.</i>	St. Bartholomew.
3	ii	1	albeola <i>Les.</i>	Guadaloupe.
4	ii	2, 3, 4	multiformis <i>Les.</i>	Guadaloupe.
4	ii	5	variabilis <i>Les.</i>	St. Thomas.
5	i	3	claviformis <i>Les.</i>	St. Vincent's.
5	iii	b	plicata <i>Les.</i>	Ship Bottom.
6	iii	a	ovalis <i>Les.</i>	Ship Bottom.
7			lobifera <i>Les.</i>	

[Here follows a list, without descriptions of species, observed by
Peron and Lesueur in their voyage to Terra Australis.—W. G. B.]

8			marginella.	New Holland, &c.
8			vermiculata.	New Holland.
8			anatifoidea.	Isle of France.
8			confederata.	New Holland.
8			trinema.	Leuwin's Land.
8			fragum.	Elephant Bay, &c.
8			truncata.	Bass' Straits.
8			rapuliformis.	Endracht's Land.
8			gigantea.	Bourgainville Bay.
8			lithopoda.	Décres Island.
8			rhizophora.	Endracht's Land.
8			rosea.	Bourgainville Bay.
8			alba.	Bourgainville Bay.
8			barbata.	Nice, Europe.
8			pilosa.	Isle of France.

[Journal of the Academy.]

Pa. Pl. Fig.

8		Ascidia fasciata.	Isle of France.
8		radiata.	Havre, Europe.
8		diaphana.	King's Island.
8		phyllostoma.	King's Island, &c.
8		tetradon.	Josephine's Island, &c.
8		peniformis.	Nuyt's Land.
8		australis.	Maria's Island.
8		lithoidea.	Leuwin's Land.
8		nigrita.	Edel's Land.
8		rhizophora.	Napoleon's Land.
8		anthropocephala.	St. Francis' Land, &c.
8		nasuta.	N.W. Coast of N. Hol'd.
8		democratica.	St. Francis' Land, &c.
8		verrucosa.	King's Island.
8		polystoma.	King's Island.

Vol. vi, pt. 2. March, 1831.

256		Conrad. —(Vide p. 337.)	
262	xi 21	Nucula recurva <i>Conr.</i>	West Indies.
262	xi 9, 10	Lucina sphæroides <i>Conr.</i> <i>Tellina divaricata</i> <i>Ch.</i>	Liberia.

Vol. vii, pt. 1. 1834.

178		Conrad. —Description of a new genus of Fresh Water Shells: by T. A. CONRAD.	
180	xiii	Pleiodon Macmurtrei <i>Conr.</i>	Liberia.
182		Conrad. —Description of a new species of Hinnita: by T. A. CONRAD.	
182	xiv	Hinnita Poulsoni <i>Conr.</i>	

Vol. vii, pt. 2. 1837.

227		Conrad. —(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	Cassis cornuta <i>Linn.</i>	East Indies.
	<i>Buccinum brevirrostrum</i> <i>Petiver.</i>	
	<i>Cassis Amboincensis</i> <i>Petiver.</i>	

Page.		
210	Cassis labiata Chemn.	Indies.
211	<i>tuberosa</i> Linn.	
	<i>Cochlea cassidiformis</i> Gualt.	
	<i>Cassis flammea</i> .	
211	Triton tuberosus .	
211	<i>pyriformis</i> .	
212	<i>variegatus</i> Lam.	East Indies.
	<i>Buccinum tritonis</i> Petiver.	
	<i>Murex tritonis</i> Linn.	
212	<i>nobilis</i> Conr.	West Indies.
	<i>T. variegatus</i> Rve.	
212	<i>variegatus</i> .	West Indies.
213	Nautilus perforatus Conr.	
214	Pecten fragosus 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	Murex exigua Garr.	103	Rissoa multicostata Garr.
102	Purpura striatella Garr.	103	Adeorbis costata Garr.
102	Turbo multilineata Garr.	103	Hipponix (Amalthea) minor Garr.
102	Trochus striatula (Margarita) Garr.	103	Bulla scripta Garr.
102	Pleurotoma (Mangelia) reticulata Garr.	103	Succinea Newcombiana Garr.
102	Rissoa crassilabrum Garr.		

Barnes, Redfield, Adams, &c.—Annals of the Lyceum of Natural History of New York.

Vol. i, pt. 1. 1824.

Pa. Pl. Fig.

131	Barnes. —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	Cypræa maculata Barnes.	East Indies.
			<i>C. Arabica</i> Burrow.	

[Annals of New York Lyceum.]

Pa.	Pl.	Fig.		
133	ix	2	Cypræa eburnea Barnes.	China
135	ix	3	Dolium dentatum Barnes.	Peru.
136			Natica patula Sowb.	Peru.
			<i>N. helicoides</i> Barnes, MS.	
139	ix	4	Voluta harpa Barnes.	Peru.

Vol. i, pt. 2. 1825.

383			(Continuation.)	
384			<i>Dolium dentatum</i> Barnes = D. ringens?	
385			Natica helicoides (vid. also Ann. vol. ii. 292).	
385			Cypræa maculata.	

[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			Redfield. —Descriptions of some new species of Shells: by JOHN H. REDFIELD. (See also, p. 164 of Bibl.)	
163	x	4 ^{a, b}	Marginella flavida Redf.	Cuba, &c.
164	x	5 ^{a, b}	obesa Redf.	Carthagera, S. Amer.
166	x	6 ^{a, b}	Ranella Thersites Redf.	Pacific?
168	xi	1 ^{a, b, c}	Cardium setosum Redf.	China.
169			Jay. —Descriptions of new species of Shells: by JOHN C. JAY, M. D.	
169	x	7 ^{a, b}	Bulimus infundibuliformis Jay.	Bolivia.
169	x	8 ^{a, b}	Conus Cailliaudii Jay.	
170			Notes on—	
170			<i>Bulimus cinctus</i> Jay = B. Favanii Lam. Madagascar.	
170			<i>Turbo rotelliformis</i> Jay = Trochiscus Norrisii Sowb.	
170			<i>Ampullaria Brownii</i> Jay = A. crassa Swains.	
170			<i>Storeria</i> Jay = A. naticoides D'Orb.	
170			<i>Helix planorbis</i> Jay = H. monilis Br.	
170			Physa scalaris Jay.	
170			Lymnea gracilis Jay.	
170			<i>Bulimus ustulatus</i> Jay = B. chrysalidiformis Sowb.	
170			<i>Paludina tristis</i> Jay = P. olivacea Sowb.	
170			<i>Conus rhododendron</i> Couth. = C. Adamsoni Gr.	
170			<i>Cyclostoma Cumingii</i> Sowb. = C. gigantea Sowb.	
170			<i>Voluta armata?</i> Lam. = V. Miltoni 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. avana 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** Storer.
- 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	Cyclostoma sagittiferum <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	Adams. —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	Cyclostoma corrugatum? <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	Stoastoma <i>Ad.</i>
64	8	148	Cyclostoma succineum <i>Sowb.</i>
64	8	148	Stoastoma Vilkinsoniæ <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	Adams. —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	Cyclostoma Hillianum (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	Cyclostoma Moussonianum <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	Cyclostoma filosum <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	Cyclostoma xanthostoma <i>Ad.</i>
79	9	155	<i>ignilabre Ad.</i>
79	9	155	<i>Cyclostoma proximum Ad. = C. fascia Gray.</i>
79	9	155	Cyclostoma nitens <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	Stoastoma Philippianum <i>Ad.</i>
82	9	158	<i>Agassizianum Ad.</i>
83	9	159	Trochatella pulchella <i>Ad.</i>
83	9	159	Helicina neritella <i>Ad.</i>
83	9	159	Geomelania Hilliana <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	Cylindrella Agnesiana (var.) diminuta <i>Ad.</i>
84	9	160	<i>Robertsi Ad.</i>
85	9	161	<i>rosea Ad.</i>
85	9	161	<i>var. 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	<i>Maugeri Ad.</i>
86	9	162	<i>var. 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	Cylindrella Maugeri (var.) <i>rufilabris Ad.</i>
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> = Bulimus octonoides Ad.
91	9	167	Achatina proxima Ad.
92	9	168	<i>solitaria Ad.</i>
92	9	168	Spiraxis brevis Ad.
92	9	168	<i>aberrans Ad.</i>
92	9	168	<i>Bulimus mirabilis Ad.</i> and <i>anomalus</i> = Spiraxis.
92	9	168	Bulimus hortensis Ad.
93	9	169	<i>macrospira Ad.</i>
93	9	169	Helix Chittyana Ad.
93	9	169	<i>cara Ad.</i>
93	9	169	<i>amabilis Ad.</i>
93	9	169	Swainsoniana Ad.
94	9	170	<i>ingens Ad.</i>
94	9	170	<i>consanguinea Ad.</i>
95	9	171	<i>anomala Ad.</i>
95	9	171	Bainbridgei Ad.
95	9	171	Buddiana Ad.
96	9	172	Blandiana Ad.
96	9	172	<i>pulchrior Ad.</i>
96	9	172	Jacobensis Ad.
97	9	173	<i>spretta Ad.</i>
97	9	173	var. <i>errans Ad.</i>
97	9	173	<i>epistylum Ad.</i>
98	9	174	<i>delaminata Ad.</i>
98	9	174	<i>osculans.</i>
98	9	174	Proserpina nitida Ad.

[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page.	No.	Page.	
98	9	174	Adams. —Descriptions of new Fresh Water Shells which inhabit Jamaica: by Prof. C. B. ADAMS. (From same.)
98	9	174	Physa Jamaicensis <i>Ad.</i>
99	9	175	Neritina Jamaicensis <i>Ad.</i>
99	9	175	tenebricosa <i>Ad.</i>
100	9	176	Adams and Chitty. —Remarks on the habitats of certain species of Land Shells: by Prof. C. B. ADAMS and EDWARD CHITTY. (From same.)
100	9	176	Cyclostoma labeo <i>Ad.</i>
100	9	176	asperulum <i>Sowb.</i>
100	9	176	corrugatum <i>Ad.</i>
100	9	176	Trochatella Greyana <i>Pfr.</i>
100	9	176	Helicina Gossei <i>Pfr.</i>
100	9	176	picta <i>Fer.</i>
100	9	176	Cylindrella alabastrina <i>Pfr.</i>
100	9	176	Humboldtiana <i>Pfr.</i>
100	9	176	variegata <i>Pfr.</i>
100	9	176	Bulimus rufescens <i>Gray.</i>
100	9	176	Helix Martiniana <i>Pfr.</i>
100	9	176	Okeniana <i>Pfr.</i>
101	9	177	angustata <i>Fer.</i>
101	9	177	Cyclostoma lincinellum <i>Lam.</i>
101	9	177	spinulosum <i>Ad.</i>
101	9	177	Banksianum <i>Sowb.</i>
101	9	177	hyacinthinum <i>Ad.</i>
101	9	177	mirabile <i>Wood.</i>
101	9	177	decussatulum <i>Ad.</i>
101	9	177	Cylindrella brevis <i>Pfr.</i>
101	9	177	Achatina leucozonias <i>Ad.</i>
101	9	177	Dominicensis <i>Ad.</i>
101	9	177	venusta <i>Ad.</i>
101	9	177	unicolor <i>Pfr.</i>
101	9	177	Cyclostoma Newcombianum <i>Ad.</i>
101	9	177	aurora <i>Ad.</i>
101	9	177	Tappanianum <i>Ad.</i>
			(Errata to No. 8.)
102	9	178	asperulum <i>Ad.</i>

[Annals of New York Lyceum and Contributions to Conchology.]

N.Y. ANN. CONTR.

Page. No. Page.

103	9	179	Adams. —Catalogue of the Land Shells which inhabit Jamaica: by Prof. C. B. ADAMS. (From same.)
103	9	179	Cyclostoma anomalum <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	<i>Chittyi</i> <i>Ad.</i>
103	9	179	<i>amabile</i> <i>Ad.</i>
103	9	179	<i>Hillianum</i> <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	<i>Moussonianum</i> <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	<i>Blandianum</i> <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	<i>Grayanum</i> <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. decussatum?</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. ASS. CONTR.

Page.	No.	Page.	
104	9	180	Cyclostoma Wilkinsoni <i>Ad.</i>
104	9	180	modestum <i>Ad.</i>
104	9	180	Campbellii <i>Ad.</i>
104	9	180	avena <i>Ad.</i>
104	9	180	Shepardianum <i>Ad.</i>
104	9	180	xanthostoma <i>Sowb.</i>
104	9	180	var. albilabre <i>Ad.</i>
104	9	180	tenuistriatum <i>Ad.</i>
104	9	180	ignilabre <i>Ad.</i>
104	9	180	var. albilabre <i>Ad.</i>
104	9	180	Newcombianum <i>Ad.</i>
104	9	180	fascia <i>Gray.</i>
104	9	180	var. proximum <i>Ad.</i>
104	9	180	Augustæ <i>Ad.</i>
104	9	180	var. nitens <i>Ad.</i>
104	9	180	testudineum <i>Ad.</i>
104	9	180	rufilabre <i>Ad.</i>
104	9	180	sagittiferum <i>Ad.</i>
104	9	180	thysanoraphe <i>Sowb.</i>
104	9	180	Jayanum <i>Ad.</i>
			<i>C. solidum</i> <i>Ad.</i> non Mke.
104	9	180	var. rufilabre <i>Ad.</i>
104	9	180	nigrilabre <i>Ad.</i>
104	9	180	Redfieldianum <i>Ad.</i>
104	9	180	labeo <i>Müll.</i>
104	9	180	Humphreysianum <i>Pfr.</i>
			<i>C. pictum</i> <i>Sowb.</i>
104	9	180	interruptum <i>Lam.</i> non <i>Deless.</i>
			<i>C. ambiguum</i> <i>Deless.</i> <i>Chenu</i> , non <i>Lam.</i>
104	9	180	Chevalieri <i>Ad.</i>
104	9	180	var. album <i>Ad.</i>
104	9	180	virgatum <i>Ad.</i>
104	9	180	album <i>Lam.</i>
104	9	180	var. fuscum <i>Ad.</i>
104	9	180	Bronnii <i>Ad.</i>
104	9	180	var. fuscolineatum <i>Ad.</i>
104	9	180	Banksianum <i>Sowb.</i>
104	9	180	var. hyacinthinum <i>Ad.</i>
104	9	180	Yallahense <i>Ad.</i>
104	9	180	lamellosum <i>Ad.</i>
104	9	180	tectilabre <i>Ad.</i>
104	9	180	pauperatum <i>Ad.</i>

[Annals of New York Lyceum and Contributions to Conchology.]

N.Y. ANN. CONTR.

Page.	No.	Page.	
104	9	180	Cyclostoma simulans <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	Sauliæ <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>Ffr.</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	Stoastoma Agassizianum <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>Pfefferianum</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	Stoastoma Chitty anum <i>Ad.</i>
105	9	181	pisum <i>Ad.</i>
105	9	181	Lindsley anum <i>Ad.</i>
105	9	181	Redfieldianum <i>Ad.</i>
105	9	181	Moricandianum <i>Ad.</i>
105	9	181	Jayanum <i>Ad.</i>
105	9	181	Leanum <i>Ad.</i>
105	9	181	Lucidella aureola <i>Gray.</i>
105	9	181	var. granulosa <i>Ad.</i>
105	9	181	Trochatella Tankervillii <i>Gray.</i>
105	9	181	pulchella <i>Gray.</i>
105	9	181	var. multicarinata <i>Ad.</i>
105	9	181	nobilis <i>Ad.</i>
105	9	181	Grayana <i>Pfr.</i>
105	9	181	Josephinæ <i>Ad.</i>
105	9	181	var. pulchra <i>Ad.</i>
105	9	181	tenuis <i>Ad.</i>
105	9	181	Helicina palliata <i>Ad.</i>
105	9	181	var. labiosa <i>Ad.</i>
105	9	181	Brownii <i>Gray.</i>
105	9	181	consanguinea <i>Ad.</i>
105	9	181	var. soror <i>Ad.</i>
105	9	181	hirsuta <i>Ad.</i>
105	9	181	microstoma <i>Ad.</i>
105	9	181	Hollandi <i>Ad.</i>
105	9	181	pusilla <i>Ad.</i>
105	9	181	macilentia <i>Ad.</i>
105	9	181	maxima <i>Sowb.</i>
105	9	181	var. citrina <i>Ad.</i>
105	9	181	nobilis <i>Ad.</i>
105	9	181	albolabris <i>Ad.</i>
105	9	181	citrinolabris <i>Ad.</i>
105	9	181	dubiosa <i>Ad.</i>
105	9	181	var. intermedia <i>Ad.</i>
105	9	181	solitaria <i>Ad.</i>
			<i>H. Guildingiana</i> <i>Pfr.</i>
105	9	181	affinis <i>Ad.</i>
105	9	181	megastoma <i>Ad.</i>
105	9	181	Gossei <i>Pfr.</i>
105	9	181	Adamsiana <i>Pfr.</i>
105	9	181	depressa <i>Gray.</i>
			<i>H. Leana</i> <i>Ad.</i>
105	9	181	var. valida <i>Ad.</i>

[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page.	No.	Page.	
105	9	181	Helicina lineata <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	<i>Jamaicensis</i> <i>Sowb.</i>
105	9	181	<i>aurantia</i> <i>Gray.</i>
105	9	181	<i>costata</i> <i>Sowb.</i>
106	9	182	Truncatella scalaris <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	<i>Adamsi</i> <i>Pfr.</i>
			<i>T. scalariformis</i> <i>Ad.</i>
106	9	182	<i>succinea</i> <i>Ad.</i>
106	9	182	Geomelania Greyana <i>Ad.</i>
106	9	182	<i>fortis</i> <i>Ad.</i>
106	9	182	<i>Jamaicensis</i> <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	<i>Hilliana</i> <i>Ad.</i>
106	9	182	<i>exilis</i> <i>Ad.</i>
106	9	182	<i>pauperata</i> <i>Ad.</i>
106	9	182	<i>Beardsleana</i> <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	Cylindrella gracilis <i>Wood.</i>
106	9	182	<i>elongata</i> <i>Chemn.</i>
			<i>C. Cumingii</i> <i>Ad.</i>
			<i>Chemnitziana</i> (<i>Helix</i>) <i>Fer.</i>
106	9	182	<i>Agnesiana</i> <i>Ad.</i>

[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page.	No.	Page.	
106	9	182	Cylindrella (var.) <i>diminuta</i> <i>Ad.</i>
106	9	182	<i>alba</i> <i>Ad.</i>
106	9	182	var. <i>striatula</i> <i>Ad.</i>
106	9	182	<i>subula</i> <i>Fer.</i>
106	9	182	<i>alabastrina</i> <i>Pfr.</i>
106	9	182	<i>Humboldtiana</i> (var. β) <i>Pfr.</i>
106	9	182	<i>variegata</i> (var. γ) <i>Pfr.</i>
106	9	182	<i>seminuda</i> <i>Ad.</i>
106	9	182	<i>Robertsi</i> <i>Ad.</i>
106	9	182	<i>costulata</i> <i>Ad.</i>
106	9	182	<i>costulosa</i> <i>Ad.</i>
106	9	182	<i>Hydeana</i> <i>Ad.</i>
			<i>Bulinus Gossei</i> <i>Pfr.</i>
106	9	182	<i>Gossei</i> <i>Pfr.</i>
106	9	182	<i>Maugeri</i> <i>Wood.</i>
106	9	182	var. <i>nigrescens</i> <i>Ad.</i>
106	9	182	<i>solida</i> <i>Ad.</i>
106	9	182	<i>levis</i> <i>Ad.</i>
106	9	182	<i>tricolor</i> <i>Ad.</i>
107	9	183	<i>crassa</i> <i>Ad.</i>
107	9	183	<i>unicincta</i> <i>Ad.</i>
107	9	183	<i>bicincta</i> <i>Ad.</i>
107	9	183	<i>concinna</i> <i>Ad.</i>
107	9	183	<i>sinuata</i> <i>Ad.</i>
107	9	183	<i>rufilabris</i> <i>Ad.</i>
107	9	183	<i>citrina</i> <i>Ad.</i>
107	9	183	<i>fusiformis</i> <i>Ad.</i>
107	9	183	<i>albida</i> <i>Ad.</i>
107	9	183	<i>valida</i> <i>Ad.</i>
107	9	183	<i>unicolor</i> <i>Ad.</i>
107	9	183	<i>striatula</i> <i>Ad.</i>
107	9	183	<i>striata</i> <i>Ad.</i>
107	9	183	<i>corpulenta</i> <i>Ad.</i>
107	9	183	<i>fusca</i> <i>Ad.</i>
107	9	183	<i>conica</i> <i>Ad.</i>
107	9	183	<i>tesselata</i> <i>Ad.</i>
107	9	183	<i>cinerea</i> <i>Ad.</i>
107	9	183	<i>gracilis</i> <i>Ad.</i>
107	9	183	<i>integra</i> <i>Ad.</i>
107	9	183	<i>Hollandi</i> <i>Ad.</i>
107	9	183	var. <i>Augustæ</i> <i>Ad.</i>
107	9	183	<i>procera</i> <i>Ad.</i>
107	9	183	<i>montana</i> <i>Ad.</i>

[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page.	No.	Page.	
107	9	183	<i>Cylindrella rosea</i> Pfr.
107	9	183	var. <i>magna</i> Ad.
107	9	183	major Ad.
107	9	183	fortis Ad.
107	9	183	ambigua Ad.
107	9	183	<i>cylindrus</i> Chemn.
107	9	183	rubella Ad.
107	9	183	zonata Ad.
107	9	183	aspera Ad.
107	9	183	brevis Pfr.
107	9	183	var. <i>obesa</i> Ad.
107	9	183	columna Ad.
107	9	183	intermedia Ad.
107	9	183	Gravesii Ad.
107	9	183	lata Ad.
107	9	183	var. <i>producta</i> Ad.
107	9	183	nobilior Ad.
107	9	183	Baquilana Chitty.
107	9	183	carnea Ad.
107	9	183	var. <i>cerina</i> Ad.
107	9	183	sanguinea Pfr.
107	9	183	pupæformis Ad.
107	9	183	humilis Ad.
107	9	183	inornata Ad.
107	9	183	simplex Ad.
107	9	183	pusilla Ad.
107	9	183	rubra Ad.
107	9	183	elatior Ad.
107	9	183	princeps Ad.
107	9	183	Dunkeri Pfr.
107	9	183	similis Ad.
107	9	183	tenella Ad.
107	9	183	tenera Ad.
107	9	183	Achatina solitaria Ad.
107	9	183	ligata Ad.
107	9	183	Jamaicensis Pfr.
107	9	183	procera Ad.
107	9	183	Griffithii Ad.
107	9	183	Philippiana Pfr.
107	9	183	elegans Ad.
107	9	183	venusta Ad.
107	9	183	leucozonias Walch.
107	9	183	Dominicensis Gmel.

[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page.	No.	Page.	
107	9	183	Achatina nitida <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>gracilior</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	Spiraxis costulosa <i>Ad.</i>
108	9	184	<i>inuitata</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	Bulimus minimus <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	Bulimus monodon <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	Pupa exilis <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	Succinea angustior <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	Helix Martiniana <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	Chittyana <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>imperfurata</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	Okeniana <i>Pfr.</i>

[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page.	No.	Page.	
109	9	185	Helix Swainsoniana <i>Ad.</i>
109	9	185	<i>tridentina</i> <i>Fer.</i>
109	9	185	Bronni <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>imperforata</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>palescens</i> <i>Ad.</i>
109	9	185	<i>convexa</i> <i>Ad.</i>
109	9	185	Bainbridgei <i>Pfr.</i>
109	9	185	var. <i>pretiosa</i> <i>Ad.</i>
109	9	185	Spengleriana <i>Pfr.</i>
109	9	185	Redfieldiana <i>Ad.</i>
109	9	185	<i>aspera</i> <i>Fer.</i>
109	9	185	Jamaicensis <i>Chemn.</i>
			<i>H. pulla</i> <i>Gmel.</i>
109	9	185	<i>angustata</i> <i>Fer.</i>
109	9	185	Cubensis (var. \S) <i>Pfr.</i>
109	9	185	<i>tunicata</i> <i>Ad.</i>
109	9	185	Buddiana <i>Ad.</i>
109	9	185	MacMurrayi <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>tenerrima</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	Gossei <i>Pfr.</i>
109	9	185	Blandiana <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	Jacobensis <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	Helix rufula Pfr.
109	9	185	<i>ptychodes</i> Pfr.
109	9	185	<i>alveus</i> Ad.
109	9	185	<i>perdepressa</i> Ad.
109	9	185	<i>brevior</i> Ad.
			<i>H. depressa</i> Ad.
109	9	185	<i>sincera</i> Ad.
109	9	185	<i>diminuta</i> Ad.
109	9	185	<i>apex</i> Ad.
109	9	185	<i>inconspicua</i> Ad.
109	9	185	<i>peraffinis</i> Ad.
109	9	185	Boothiana Pfr.
			<i>H. pellucida</i> Ad.
109	9	185	<i>spretia</i> Ad.
109	9	185	var. <i>errans</i> .
109	9	185	<i>turbiniiformis</i> Pfr.
			<i>H. subpyramidalis</i> Ad.
109	9	185	Anthoniana Ad.
110	9	186	<i>angustispira</i> Ad.
110	9	186	<i>brevis</i> Ad.
110	9	186	Hollandi Ad.
110	9	186	<i>similis</i> Ad.
110	9	186	<i>arboreoides</i> Ad.
			<i>H. Haldemaniana</i> Pfr.
110	9	186	<i>ambigua</i> Ad.
110	9	186	<i>osculans</i> Ad.
110	9	186	var. <i>delaminata</i> Ad.
110	9	186	<i>lamellifera</i> Ad.
110	9	186	<i>pila</i> Ad.
110	9	186	Foremaniana Ad.
110	9	186	Cookiana Gmel.
110	9	186	<i>epistylioides</i> Fer.
110	9	186	<i>alligans</i> Ad.
110	9	186	<i>epistylum</i> Müll.
110	9	186	var. <i>minor</i> Ad.
110	9	186	<i>delaminata</i> Ad.
110	9	186	<i>torrefacta</i> Ad.
110	9	186	<i>connectens</i> Ad.
110	9	186	<i>epistyliulum</i> Ad.
110	9	186	<i>simulans</i> Ad.
110	9	186	<i>dioscoricola</i> Ad.
110	9	186	<i>paludosa</i> Pfr.

[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page.	No.	Page.	
110	9	186	Proserpina discoidea <i>Ad.</i>
110	9	186	<i>opalina</i> (<i>Helix</i>) <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	3	186	Melampus coniformis <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	Pedipes quadridens <i>Pfr.</i>
110	9	186	<i>ovalis</i> <i>Ad.</i>
111	9	187	Adams. —Catalogue of the Fresh Water Shells which inhabit Jamaica. (From same.)
111	9	187	Neritina punctulata <i>Lam.</i>
111	9	187	<i>Jamaicensis</i> <i>Ad.</i>
111	9	187	<i>tenebricosa</i> <i>Ad.</i>
111	9	187	Melanopsis lineolata <i>Gray.</i>
111	9	187	Melania spinifera <i>Ad.</i>
111	9	187	Valvata pygmæa <i>Ad.</i>
111	9	187	<i>inconspicua</i> <i>Ad.</i>
111	9	187	Paludina rivularis <i>Ad.</i>
111	9	187	<i>Jamaicensis</i> <i>Ad.</i>
111	9	187	Ampullaria fasciata? <i>Lam.</i>
111	9	187	Planorbis MacNabianus <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	Ancylus obscurus? <i>Hald.</i>
111	9	187	<i>obliquus</i> <i>Ad.</i>
111	9	187	Physa Sowerbyana? <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	Cypræa reticulata.	
227	<i>histrion.</i>	

229 **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 Cypræidæ.

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> Hind.
		<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	Mitra funiculata Rve.	267	43	Mitra nucleola Lam.
266	42	lens Wood (<i>Voluta</i>).	268	44	solitaria Ad.
		<i>Tiara foraminata</i> Sw.	268	44	tristis Brod.
		<i>Mitra Dupontii</i> Kien.			

Family **Purpuridæ.**

269	45	Terebra elata Hinds.	283	59	Nassa canescens Ad.
269	45	larvæformis Hinds.	283	59	collaria Ad.
270	46	robusta Hinds.	284	60	corpulenta Ad.
270	46	specillata Hinds.	285	61	gemmulosa Ad.
271	47	tuberculosa Hinds.	285	61	glauca Ad.
271	48	varicosa Hinds.	286	62	luteostoma Ad.
271	48	——?			<i>N. xanthostoma</i> Gray.
271	48	——?			<i>Buccinum luteostoma</i>
271	48	——?			Br. & Sowb.
271	48	——?	287	63	nodifera Powis.
271	48	——?	287	63	pagodus (<i>Triton</i>) Rve.
272	48	Oliva angulata Lam.			<i>Buccinum decussatum</i>
		<i>Voluta oliva</i> (var. ♂)			Kien.
		Gmel.	288	64	Panamensis Ad.
		<i>incrassata</i> Dillw.	288	64	proxima Ad.
273	49	araneosa Lam.	289	65	scabriuscula Powis?
		<i>O. reticularis</i> Rve.	289	65	striata Ad.
274	50	inconspicua Ad.	290	66	versicolor Ad.
275	51	pellucida Rve.	291	67	Wilsoni Ad.
275	51	porphyria Linn. (<i>Vol.</i>)	291	67	Buccinum crassum Hld.
		<i>O. Panamensis</i> Montf.			<i>Phos crassum</i> Hinds.
277	53	semistriata Gray.	292	68	distortum Bligh.
278	54	testacea Lam.			<i>Pollia distorta</i> Gray.
279	55	undatella Lam.			<i>Columbella triumphalis</i>
		<i>O. tenebrosa</i> Wood.	293	68	insigne Rve. [Ducl.
280	56	venulata Lam. [Rve.			<i>B. mutabile</i> Val.
		<i>O. reticularis</i> (var.)	293	69	lugubre Ad.
		<i>Voluta ispidula</i>	294	70	pagodus Rve.
		(β var.) Born.	294	70	pristis Desh.
281	57	volutella Lam.			<i>B. serratum</i> Kien.
		<i>O. cærulea</i> Wood.	295	71	ringens Rve.
282	58	Planaxis planicostata	296	72	sanguinolentum Mke.
		Sowb.			<i>B. hamastoma</i> Rve.
		<i>P. canaliculata</i> Duval			<i>Pollia hamastoma</i> Gr.
		<i>Buccinum planaxis</i>			<i>Purpura sanguinolenta</i>
		Wood.			Ducl.

[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	Columbella atramentaria Sowb.
296	72	Buccinum Stimpsonianum Ad.	306	82	<i>bicanalifera</i> Sowb.
297	73	Dolium ringens Rve.	307	83	<i>Boivini</i> Kien.
		<i>D. dentatum</i> Barnes.	307	83	<i>conspicua</i> Ad.
		<i>personatum</i> Mke.	308	84	<i>costellata</i> Br. & Sowb.
		<i>Cassid. ringens</i> Swains.	309	85	<i>diminuta</i> Ad.
		<i>Buccinum ringens</i> Wd.	309	85	<i>dorsata</i> Sowb.
		<i>Malea latilabris</i> Val.	310	86	<i>fluctuata</i> Sowb.
		<i>crassilabris</i> Val.			<i>C. suturalis</i> Griff.
		<i>Dolium latilabre</i> Kien.	311	87	<i>fulva</i> Sowb.
		<i>plicosum</i> Mke.	311	87	<i>fuscata</i> Sowb.
		<i>crassilabre</i> Mke.			<i>C. meleagris</i> Kien.
298	74	Monoceros brevidentatum Sowb.	312	88	<i>gibberula</i> Sowb.
		<i>Buccinum brevidentatum</i> Wood.	313	89	<i>gracilis</i> Ad.
		<i>Purpura cornigera</i> Bl.	313	89	<i>guttata</i> Sowb.
		<i>ocellata</i> Kien.			<i>C. cribraria</i> Sowb.
		<i>maculata</i> Gmel.	315	91	<i>hæmastoma</i> Sowb.
299	75	cingulatum Lam.	315	91	<i>harpiformis</i> Sowb.
		<i>Buccinum cingulatum</i>			<i>C. citharula</i> Ducl.
		Wood.	316	92	<i>labiosa</i> Sowb.
		<i>pseudodon</i> Burr.	317	93	<i>lyrata</i> Sowb.
		<i>Turbinella cingulata</i>	317	93	major Sowb.
		Kien.			<i>C. gibbosa</i> Val.
300	76	Purpura Carolensis	318	94	<i>strombiformis</i> Kien.
300	76	<i>foveolata</i> Ad. [Rve.]	318	94	modesta Gould.
301	77	<i>kiosquiformis</i> Ducl.			<i>Buccinum modestum</i>
302	78	— (sp. ined.)	318	94	<i>mœsta</i> Ad. [Powis.]
302	78	melo Desh.	319	95	<i>nigricans</i> Sowb.
		<i>P. crassa</i> Blainv.	320	96	<i>parva</i> Sowb.
		<i>melones</i> Ducl.	320	96	<i>pulchrior</i> Ad.
303	79	osculans Ad.	321	97	<i>pygmæa</i> Sowb.
303	79	tecta Rve.	321	97	<i>rugosa</i> Sowb.
		<i>P. angulifera</i> Ducl.			<i>C. Sowerbyi</i> Ducl.
		<i>callosa</i> Sowb.	322	98	<i>bicolor</i> Kien.
		<i>Buccinum tectum</i> Wd.			strombiformis Lam.
		<i>Cuma sulcata</i> Swains.			<i>Buccinum strombiforme</i> Wood.
		<i>Turbinella callosa</i>	322	98	<i>tesselata</i> Ad.
		<i>tectum</i> Rve. [Less.]	323	99	<i>turrita</i> Sowb.
304	80	undata Lam.	323	99	<i>varia</i> Sowb.
		<i>P. hæmastoma</i> Mke.	324	100	— (sp. ined.) [Rve.]
			325	101	Ricinula carbonaria?
			325	101	

[Annals of New York Lyceum and Panama Shells.]

Ann. P. S.	Pa.	Pa.	Ann. P. S.	Pa.	Pa.
325	101	Ricinula jugosa <i>Ad.</i>	327	103	Cassia coarctata <i>Sowb.</i>
326	102	Reeviana <i>Ad.</i> [<i>Rve.</i> <i>Buccinum pulchrum</i>]			<i>Buccinum coarctatum</i> Wood. [<i>Rve.</i>]
326	102	Cassis abbreviata <i>Bl.</i> <i>C. lactea</i> <i>Kien.</i>	328	104	Oniscia tuberculosa

Family **Strombidae.**

328	104	Conus brunneus <i>Wood.</i>	332	108	Conus purpurascens <i>Brod.</i>
329	105	gladiator <i>Brod.</i>	333	109	regalitatis <i>Sowb.</i>
329	105	mahogani <i>Rve.</i>	334	110	regularis <i>Sowb.</i>
330	106	nux <i>Brod.</i>	334	110	vittatus <i>Lam.</i>
330	106	princeps <i>Linn.</i> <i>C. regius</i> <i>Chemn.</i> (<i>Conch. Cab. La Robe</i> <i>Persienne Favanne.</i>) <i>C. lineolatus</i> <i>Val.</i>	335	111	Strombus galea <i>Wood.</i> <i>S. galeatus</i> <i>Gray.</i>
			336	112	gracilior <i>Sowb.</i>
			337	113	granulatus <i>Swains.</i>
			338	114	Peruvianus <i>Swains.</i>

Family **Muricidae.**

339	115	Triton Chemnitzii <i>Rve.</i> <i>T. perforatus</i> <i>Conr.</i> <i>Cassidaria setosa</i> <i>Hds.</i> <i>Triton nodosum</i> <i>Mke.</i> <i>Argo-buccinum nodosum</i> <i>Chemn.</i> <i>Murex argus</i> (var. β , pars) <i>Gmel.</i> <i>Fusus Wiegmanni</i> <i>Ant.</i>	346	122	Murex radix <i>Schröt.</i> <i>M. melanomathos</i> <i>Dill.</i>
340	116	constrictus <i>Brod.</i> <i>T. decussatum</i> <i>Val.</i>	347	123	rectirostris <i>Sowb.</i>
340	116	fusoides <i>Ad.</i>	348	124	recurvirostris <i>Brod.</i>
340	116	gibbosus <i>Brod.</i>	348	124	regius <i>Swains.</i> <i>M. tricolor</i> <i>Val.</i>
341	117	lignarius <i>Brod.</i>	349	125	salebrosus <i>King.</i> <i>M. vitulinus</i> <i>Gray.</i>
342	118	vestitus <i>Hinds.</i>	350	126	vibex <i>Brod.</i>
342.	118	Ranella cœlata <i>Brod.</i> <i>R. semigranosa</i> <i>Kien.</i>	351	127	vittatus <i>Brod.</i>
343	119	nana <i>Brod.</i>	351	127	Pyrula patula <i>Brod.</i> <i>Cyrtulus patula</i> <i>Hinds.</i>
344	120	nitida <i>Brod.</i>	352	128	Ficula ventricosa <i>Chemn.</i> <i>F. decussata</i> <i>Rve.</i> <i>Pyrula ventricosa</i> <i>Sb.</i> <i>Bulla decussata</i> <i>Wood.</i>
344	120	plicata <i>Rve.</i>	353	129	Fusus bellus <i>Ad.</i>
345	121	Murex dubius <i>Sowb.</i> <i>M. aculeatus</i> <i>Wood.</i>	353	129	Fasciolaria granosa <i>Br.</i>
345	121	erosus <i>Brod.</i>	354	130	Turbinella cœstus <i>Br.</i>
			355	131	castanea <i>Gray.</i> <i>T. acuminata</i> <i>Rve.</i>
			355	131	cerata <i>Rve.</i>

[Annals of New York Lyceum and Panama Shells.]

ANN. P. S.			ANN. P. S.	
Pa.	Pa.		Pa.	Pa.
		<i>Murex ceratus</i> Wood.		<i>Clavatula rigida</i>
356	132	Turbinella rudis Rve.		[Hinds.
356	132	spadicea Rve.	370	146 Pleurotoma rudis Sby.
356	132	Cancellaria affinis Ad.	371	147 rustica Sowb.
357	133	clavatula Sowb.		<i>P. thiarella</i> Kien.
358	134	decussata Sowb.	371	147 striosa Ad.
358	134	goniostoma Sowb.	372	148 zonulata Rve.
359	135	mitriformis Sowb.		<i>P. cincta</i> Sowb.
		<i>C. uniplicata</i> Sowb.	372	148 ——— (a).
359	135	pulchra Sowb.	372	148 ——— (b).
360	136	pygmæa Ad.	372	148 Mangelia ——— (c).
361	137	solida Sowb.	373	149 ——— (d).
361	137	tesselata Sowb.	373	149 ——— (e).
362	138	Pleurotoma aterrima	373	149 ——— (f).
362	138	atrior Ad. [Sowb.	373	149 neglecta Ad.
363	139	bicanalifera Sowb.	373	149 sulcosa? Sowb.
363	139	collaris Sowb.		<i>Columbella sulcosa</i> Sh.
364	140	concinna Ad.	374	150 Cerithium adustum Kn.
364	140	corrugata Sowb.	374	150 assimilatatum Ad.
		<i>P. turricula</i> Sowb.	375	151 bimarginatum Ad.
		<i>Sowerbyi</i> Rve.	376	152 famelicum Ad.
365	141	discors Sowb.	376	152 gemmatum.
365	141	duplicata Sowb.	377	153 interruptum.
366	142	excentrica? Sowb.	377	153 ——— (sp. ind.)
366	142	exigua Ad.	378	154 irroratum Gould.
367	143	gemmulosa Ad.	378	154 neglectum Ad.
367	143	grandimaculata Ad.	379	155 Pacificum Sowb.
368	144	incrassata Sowb.		<i>C. Humboldti</i> Val.
		<i>P. Bottæ</i> Kien.	379	155 pauperculum Ad.
368	144	nigerrima Sowb.	380	156 pulchrum Ad.
		<i>P. cornuta</i> Sowb.	380	156 Reevianum Ad.
369	145	obeliscus Rve.	381	157 validum Ad. [Ad.
369	145	olivaces Sowb.	382	158 Triphoris alternatus
370	146	pallida Sowb.	383	159 inconspicuus Ad.
370	146	rigida Hinds.	383	159 infrequens Ad.

Family **Littorinidæ.**

384	160	Turritella Banksii Rve.	386	162 Cœcum monstrosum
385	161	Cœcum diminutum Ad.	387	163 parvum Ad. [Ad.
385	161	eburneum Ad.	387	163 pygmæum Ad.
385	161	firmatum Ad.	388	164 Chemnitzia aculeus
386	162	læve Ad.	388	164 acuminata Ad. [Ad.
386	162	laqueatum Ad.	389	165 affinis Ad.

[Annals of New York Lyceum and Panama Shells.]

Ann. P. S.	Pa.	Pa.	Ann. P. S.	Pa.	Pa.
389	165	<i>Chemnitzia clathrata</i> <i>Ad.</i>	397	173	<i>Littorina?</i> <i>foveata</i> <i>Ad.</i>
			398	174	? <i>megasoma</i> <i>Ad.</i>
390	166	<i>communis</i> <i>Ad.</i>	398	174	? <i>parvula</i> <i>Phil.</i>
391	167	<i>gracilior</i> <i>Ad.</i>	399	175	<i>pulchra</i> <i>Sowb.</i>
391	167	<i>major</i> <i>Ad.</i>			<i>Turbo pulcher</i> Swains.
391	167	<i>marginata</i> <i>Ad.</i>	400	176	<i>puncticulata</i> <i>Phil.</i>
392	168	<i>Panamensis</i> <i>Ad.</i>	400	176	<i>varia</i> <i>Sowb.</i>
392	168	<i>similis</i> <i>Ad.</i>	401	177	<i>Rissoa clandestina</i> <i>Ad.</i>
393	169	<i>striosa</i> <i>Ad.</i>	401	177	<i>firmata</i> <i>Ad.</i>
393	169	<i>turrita</i> <i>Ad.</i>	402	178	<i>fortis</i> <i>Ad.</i>
394	170	<i>Littorina?</i> <i>angiostoma</i>	402	178	? <i>inconspicua</i> <i>Ad.</i>
394	170	<i>aspera</i> <i>Phil.</i> [<i>Ad.</i>	403	179	<i>infrequens</i> <i>Ad.</i>
395	171	<i>atrata</i> <i>Ad.</i>	403	179	<i>Janus</i> <i>Ad.</i>
396	172	<i>conspersa</i> <i>Ad.</i>	404	180	<i>notabilis</i> <i>Ad.</i>
396	172	? <i>excavata</i> <i>Ad.</i>	404	180	<i>scalariformis</i> <i>Ad.</i>
397	173	<i>fasciata</i> <i>Gray.</i>	405	181	—— (sp. ind.)

Family **Trochidæ.**

405	181	<i>Cingula?</i> <i>inconspicua</i>	414	190	<i>Trochus catenulatus</i>
405	181	<i>paupercula</i> <i>Ad.</i> [<i>Ad.</i>			<i>Phil.</i>
406	182	? <i>terebellum</i> <i>Ad.</i>	415	191	<i>coronulatus</i> <i>Ad.</i>
406	182	? <i>turrita</i> <i>Ad.</i>	415	191	<i>leanus</i> <i>Ad.</i>
407	183	<i>Litiopa?</i> <i>saxicola</i> <i>Ad.</i>	416	192	<i>lima</i> <i>Phil.</i>
407	183	<i>Adeorbis?</i> <i>abjecta</i> <i>Ad.</i>	416	192	<i>lividus</i> <i>Phil.</i>
408	184	<i>Vitrinella concinna</i> <i>Ad.</i>	417	193	<i>Panamensis</i> <i>Phil.</i>
408	184	<i>exigua</i> <i>Ad.</i>	417	193	<i>pellis-serpentis</i> <i>Wd.</i>
409	185	<i>Janus</i> <i>Ad.</i>			<i>Turbo pellis-serpentis</i>
410	186	<i>minuta</i> <i>Ad.</i>			<i>Val.</i>
410	186	<i>modesta</i> <i>Ad.</i>	418	194	<i>reticulatus</i> <i>Wood.</i>
410	186	<i>Panamensis</i> <i>Ad.</i>	419	195	<i>Turbo Buschii</i> <i>Phil.</i>
411	187	<i>parva</i> <i>Ad.</i>			<i>Trochus Buschii</i> <i>Phil.</i>
411	187	<i>perparva</i> <i>Ad.</i>			<i>inermis</i> <i>Kien.</i>
412	188	<i>regularis</i> <i>Ad.</i>	419	195	? <i>phasianella</i> <i>Ad.</i>
412	188	<i>seminuda</i> <i>Ad.</i>	420	196	<i>rutilus</i> <i>Ad.</i>
413	189	<i>tricarinata</i> <i>Ad.</i>	420	196	<i>saxosus</i> <i>Wood.</i>
413	189	<i>valvatoides</i> <i>Ad.</i>	421	197	<i>Scalaria hexagona</i>
414	190	<i>Solarium</i> (sp. ind. a.)	422	198	<i>obtusa</i> <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	Eulima	iota <i>Ad.</i>
423	199		recta <i>Ad.</i>
		423	199
		Eulima	solitaria <i>Ad.</i>

Family **Tornatellidæ.**

424	200	Pyramidella (sp. ind.)		424	200	Pyramidella	conica <i>Ad.</i>
-----	-----	-------------------------------	--	-----	-----	--------------------	--------------------------

Family **Neritidæ.**

425	201	Natica	Chemnitzii <i>Ad.</i>	428	204	Nerita	scabricosta
425	201		lurida ? <i>Phil.</i>				<i>Lam.</i>
425	201		otis <i>Br. & Sowb.</i>			N.	ornata <i>Sowb.</i>
426	202	Salangonensis	<i>Rec.?</i>				Deshayesii <i>Recl.</i>
426	202	Souleyetiana	<i>Recl.?</i>				multiugis <i>Mke.</i>
427	203		virginea <i>Recl.?</i>	429	205	—	(sp. ind. a.)
427	203	—	(sp. ind. a.)	430	206	Neritina	Guayaqui-
427	203	—	(sp. ind. b.)				lensis <i>Sowb.</i>
428	204	—	(sp. ind. c.)	430	206		picta <i>Sowb.</i>

Family **Auriculidæ.**

431	207	Pedipes	angulata <i>Ad.</i>	434	210	Pedipes	stagnalis <i>D'Or.</i>
432	208		acuta <i>D'Orb.</i>				A. papillifera <i>Kien.</i>
			<i>Marmula Recluziana</i>	435	211	Tabogensis	<i>Ad.</i>
432	208	concinna <i>Ad.</i>	[Cum.	436	212	trilineata	<i>Ad.</i>
433	209	infrequens	<i>Ad.</i>	436	212	—	(sp. ind.)
433	209	Panamensis	<i>Ad.</i>				

Family **Cyclostomidæ.**

437	213	Truncatella	Bairdiana	437	213	Truncatella ?	dubiosa
			<i>Ad.</i>				<i>Ad.</i>

Family **Bullidæ.**

438	214	Bulla (Tornatina)	in-	439	215	Bulla	punctulata <i>Sowb.</i>
			frequens <i>Ad.</i>				B. punctata <i>Ad.</i>
439	215	(Cylichna)	luticola	439	215	—	(sp. ind.)
			<i>Ad.</i>				

Family **Vermetidæ.**

440	216	Vermetus	glomera-			V. centriquadrus <i>Val.?</i>	
			tus ? <i>Rousseau.</i>	440	216	Vermetus	Panamensis
			<i>Serpula glomerata</i>				<i>Rousseau.</i>
			(var. b., alt. excl.)				
			<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	Stomatella inflata <i>Ad.</i>

Family **Calyptræidæ.**

441	217	Hipponix (sp. ind.)	449	225	Crepidula cerithicola
441	217	<i>barbata?</i> <i>Sowb.</i>			<i>Ad.</i>
442	218	Panamensis <i>Ad.</i>	450	226	(<i>Crepipatella</i>) echinus
		<i>H. mitrula</i> <i>Sowb.</i>	450	226	excavata <i>Brod.</i> [<i>Brod.</i>
442	218	<i>radiata</i> <i>Sowb.</i>			<i>Calyptræa</i> (<i>Crepi-</i>
443	219	Calyptræa aberrans <i>Ad.</i>			<i>dula</i>) excavata <i>Brod.</i>
443	219	(<i>Syphopatella</i>) as-	451	227	hepatica? <i>Desh.</i>
		persa <i>Ad.</i>	452	228	incurva <i>Brod.</i>
444	220	cepacea <i>Brod.</i>			<i>Calyptræa</i> (<i>Crepi-</i>
444	220	(<i>Syphopatella</i>) conica			<i>dula</i>) incurva <i>Brod.</i>
445	221	dentata <i>Mke.</i> [<i>Brod.</i>	453	229	Lessonii <i>Brod.</i>
		<i>C. rugosa</i> <i>Rve.</i>			<i>Calyptræa</i> (<i>Crepi-</i>
445	221	(<i>Calypceopsis</i>) hispida			<i>dula</i>) Lessonii <i>Brod.</i>
		<i>Brod.</i>	453	229	squama <i>Brod.</i>
446	222	(<i>Calypceopsis</i>) imbri-			<i>Calyptræa</i> (<i>Crepi-</i>
		cata <i>Brod.</i>			<i>dula</i>) squama <i>Brod.</i>
447	223	(<i>Calypceopsis</i>) macu-	454	230	unguiformis <i>Lam.</i>
		lata <i>Brod.</i>			<i>C. italica</i> <i>Defr.</i>
447	223	planulata <i>Ad.</i> [<i>Brod.</i>			<i>plana</i> <i>Say.</i>
447	223	(<i>Calypceopsis</i>) radiata			<i>calceolina</i> <i>Desh.</i>
448	224	(<i>Syphopatella</i>) re-			<i>dilatata</i> <i>D'Orb.</i>
		gularis <i>Ad.</i>			<i>Patella crepidula</i> <i>Lin.</i>
449	225	umbrella <i>Desh.</i>	458	234	nivea <i>Ad.</i>
		<i>C. rudis</i> <i>Brod.</i>	458	234	osculans <i>Ad.</i>
449	225	unguis?	459	235	rostrata <i>Ad.</i>

Family **Fissurellidæ.**

459	235	Fissurella æqualis	463	239	Siphonaria costata <i>Sb.</i>
460	236	<i>alta</i> <i>Ad.</i> [<i>Sowb.</i>	463	239	gigas <i>Sowb.</i>
460	236	macrotrema <i>Sowb.</i>	464	240	maura <i>Sowb.</i>
461	237	microtrema <i>Sowb.</i>	464	240	pica? <i>Sowb.</i>
461	237	mus <i>Rve.</i>	465	241	Lottia patina? <i>Rathke.</i>
461	237	nigropunctata <i>Sowb.</i>			<i>Aemæa patina</i> <i>Rathl.</i>
462	238	ostrina <i>Rve.</i>	465	241	—— (sp. ind. a.)
462	238	virescens <i>Sowb.</i>	465	241	—— (sp. ind. b.)
463	239	Siphonaria character-	465	241	—— (sp. ind. c.)
		istica <i>Rve.</i>			

[Annals of New York Lyceum and Panama Shells.]

Family **Patellidæ.**

ANN. P. S.			ANN. P. S.		
Pa.	Pa.		Pa.	Pa.	
465	241	<i>Patella?</i> (sp. ind. a.)	466	242	<i>Chiton luridus?</i> Sowb.
466	242	<i>Chiton clathratus</i> Ree.	467	243	<i>pulchellus</i> Gray.
466	242	<i>dispar</i> Sowb.	467	243	<i>Stokesii</i> Brod.

Family **Ostræidæ.**

468	244	<i>Anomia lampe</i> Gray.	469	245	<i>Ostrea</i> — (sp. ind. b.)
469	245	<i>tenuis</i> Ad.	470	246	— (sp. ind. c.)
469	245	— (sp. ind. a.)	470	246	— (sp. ind. d.)
469	245	<i>Ostrea</i> — (sp. ind. a.)	470	246	— (sp. ind. e.)

Family **Pectenidæ.**

471	247	<i>Spondylus Lamarckii</i> <i>Chenu.</i>			<i>Pecten ventricosus</i> in errata.
471	247	— (sp. ind. a.)	472	248	<i>Tumbezensis</i> D'Orb.
471	247	<i>Pecten inca</i> D'Orb. <i>P. tumidus</i> Sowb.	472	248	<i>P. aspersus</i> Sowb.
		<i>ventricosus</i> Sowb.	473	249	<i>Lima angulata</i> Sowb.
					<i>Pacifica</i> D'Orb. <i>L. arcuata</i> Sowb.

Family **Aviculidæ.**

473	249	<i>Avicula margaritifera?</i>	474	250	<i>Perna</i> — (sp. ind. a.)
474	250	<i>sterna</i> Gould.	474	250	— (sp. ind. b.)

Family **Mytilidæ.**

474	250	<i>Pinna maura</i> Sowb.	476	252	<i>Modiola</i> — (sp. ind. a.)
475	251	<i>tuberculosa</i> Sowb.	476	252	— (sp. ind. b.)
475	251	<i>Mytilus</i> — (sp. ind. a.)	476	252	— (sp. ind. c.)
475	251	<i>Lithodomus</i> — (sp. ind. a.)	476	252	— (sp. ind. d.)
475	251	<i>Modiolasemifusca?</i> Lk. <i>Mytilus Guaiënsis</i> Küst.	476	252	— (sp. ind. e.)

Family **Chamidæ.**

477	253	<i>Chama Buddiana</i> Ad.	478	254	<i>Chama echinata</i> Brod.
477	253	<i>corrugata?</i> Brod.			

Family **Arcidæ.**

478	254	<i>Nucula Elenensis</i> Sowb.	479	255	<i>Nucula polita</i> Sh. [Sh.]
479	255	<i>exigua</i> Sowb.	480	256	<i>Pectunculus assimilis</i>

[Annals of New York Lyceum and Panama Shells.]

Ann. P. S.	Pa. Pa.		Ann. P. S.	Pa. Pa.	
481	257	Pectunculus maculatus <i>Brod.</i>	484	260	Arca (Byssarca) pholadiformis <i>Ad.</i>
481	257	Arca alternata <i>Rve.</i> <i>Byssarca alternata</i> <i>Swb.</i>	485	261	Reeveana <i>D'Orb.</i> <i>A. Heblingii</i> <i>Rve.</i>
481	257	aviculoides? <i>Sby.</i> <i>A. auriculata</i> <i>Sowb.</i>	485	261	reversa <i>Sowb.</i> <i>A. hemicardium</i> <i>Koch.</i>
482	258	emarginata <i>Sowb.</i>	485	261	similis <i>Ad.</i>
482	258	gradata <i>Brod. & Sby.</i>	486	262	solida <i>Sby.</i> [<i>Sowb.</i> <i>Byssarca solida</i>
483	259	grandis <i>Brod. & Sby.</i>	486	262	(Byssarca) Tabo- gensis <i>Ad.</i>
483	259	mutabilis <i>Sby.</i> [<i>Sowb.</i> <i>Byssarca mutabilis</i>	487	263	tuberculosa <i>Sowb.</i>
			488	264	— (sp. ind. a.)

Family **Cardiidae.**

488	264	Cardita affinis <i>Sowb.</i> <i>C. nodulosa</i> <i>Val.?</i>	491	267	Cardium obovale <i>Br.</i> <i>& Sowb.</i>
489	265	laticosta <i>Sb.</i> <i>C. arcella</i> <i>Val.</i>	491	267	planicostatum <i>Sowb.</i>
489	265	radita <i>Sowb.</i>	491	267	procerum <i>Sowb.</i>
490	266	Cardium graniferum <i>Brod. & Sowb.</i>	492	268	senticosum <i>Sowb.</i> <i>C. rastrum</i> <i>Rve.</i>

Family **Veneridae.**

493	269	Venus amathusia <i>Phil.</i>	496	272	Cytherea aurantiaca <i>Sowb.</i>
493	269	discors <i>Sowb.</i>			<i>C. aurantia</i> <i>Hanley.</i>
493	269	gnidia <i>Brod. et Sowb.</i>	496	272	consanguinea <i>Ad.</i>
494	270	multicostata <i>Sowb.</i> <i>V. Thouarsi</i> <i>Val.</i>	497	273	radiata <i>Sowb.</i>
494	270	pectunculoides <i>Val.</i>	497	273	squalida <i>Sowb.</i> <i>C. biradiata</i> <i>Gray.</i>
495	271	subrugosa <i>Sowb.</i> <i>Cytherea subsulcata?</i> <i>Mke.</i>	498	274	Artemis Dunkeri <i>Rve.</i> <i>Cytherea Dunkeri</i> <i>Ph.</i> <i>Artemis Pacifica</i> <i>Tros.</i>
495	271	— (sp. ind. a.)	499	275	saccata <i>Gould.</i>
495	271	— (sp. ind. b.)	499	275	Gouldia Pacifica <i>Ad.</i>
496	272	Cytherea affinis <i>Sowb.</i>	499	275	Cyrena maritima <i>Ad.</i>

Family **Tellenidae.**

500	276	Lucina tellinoides <i>Rve.</i>	501	277	Donax gracilis <i>Hanl.</i>
500	276	Capsa altior <i>Sowb.</i>	502	278	navicula <i>Hanl.</i>
501	277	Donax assimilis <i>Hanl.</i>	502	278	rostratus <i>Ad.</i>

[Annals of New York Lyceum and Panama Shells.]

ANN. P. S.			ANN. P. S.		
Pa.	Pa.		Pa.	Pa.	
503	279	Tellina aurora <i>Hanl.</i>	507	283	Tellina puella <i>Ad.</i>
503	279	cognata <i>Ad.</i>	507	283	rubescens <i>Hanl.</i>
504	280	Columbiensis <i>Hanl.</i>	508	284	siliqua <i>Ad.</i>
504	280	concinna <i>Ad.</i>	508	284	simulans <i>Ad.</i>
505	281	crystallina <i>Chemn.</i>			<i>T. punicea</i> part <i>Hanl.</i>
505	281	Cumingii <i>Hanl.</i>	509	285	sincera <i>Hanl.</i>
506	282	Dombei <i>Hanl.</i>	509	285	vicina <i>Ad.</i>
506	282	felix <i>Hanl.</i>	510	286	—— (sp. ind. a.)
506	282	laceridensis <i>Hanl.</i>	510	286	—— (sp. ind. b.)
507	283	prora <i>Hanl.</i>	510	286	—— (sp. ind. c.)

Family **Petricolidæ.**

510	286	Petricola cognata <i>Ad.</i>		511	287	Saxicava tenuis? <i>Sowb.</i>
-----	-----	-------------------------------------	--	-----	-----	--------------------------------------

Family **Mactridæ.**

511	287	Cumingia coarctata <i>Sb.</i>		515	291	Amphidesma tor-
512	288	trigonalis <i>Sowb.</i>				tuosum <i>Ad.</i>
512	288	—— (sp. ind. a.)	516	292	ventricosum <i>Ad.</i>	
512	288	—— (sp. ind. b.)	516	292	Crassatella gibbosa <i>Sb.</i>	
512	288	—— (sp. ind. c.)	517	293	Mulinia donaciformis	
512	288	—— (sp. ind. d.)	517	293	ventricosa <i>Gld.</i> [<i>Hanl.</i>	
512	288	Amphidesma bicolor.			<i>Lutraria ventricosa</i>	
513	289	ellipticum <i>Sowb.?</i> [<i>Ad.</i>			Gould.	
513	289	proximum <i>Ad.</i>	517	293	Lutraria elegans <i>Sby.</i>	
514	290	pulchrum <i>Sowb.</i>			<i>Mactra elegans</i> <i>Sowb.</i>	
515	291	striosum <i>Ad.</i>	518	294	Mactra velata <i>Phil.</i>	

Family **Corbulidæ.**

518	294	Anatina alta <i>Ad.</i>		522	298	Corbula obesa <i>Hinds.</i>
519	295	Pandora cornuta <i>Ad.</i>	522	298	ovulata <i>Sowb.</i>	
519	295	Potamomya æqualis	523	299	rubra <i>Ad.</i>	
520	296	inflata <i>Ad.</i> [<i>Ad.</i>	523	299	tenuis <i>Ad.</i>	
520	296	trigonalis <i>Ad.</i>	524	300	—— (sp. ind. a.)	
521	297	Corbula bicarinata <i>Sb.</i>	524	300	—— (sp. ind. b.)	
521	297	biradiata <i>Sowb.</i>				

Family **Solenidæ.**

524	300	Solecortus affinis <i>Ad.</i>		524	300	Solen rudis <i>Ad.</i>
-----	-----	--------------------------------------	--	-----	-----	-------------------------------

[Annals of New York Lyceum and Panama Shells.]

Family **Pholadidæ.**

Ann. P. S.	Pa.	Pa.	Ann. P. S.	Pa.	Pa.
525	301	<i>Pholas crucigera</i> Sowb.			<i>Penitella xylophaga?</i>
526	302	<i>tubifera</i> Sowb.			Val.
526	302	<i>xylophaga</i> Val.	526	302	<i>Pholas</i> — (sp. ind. a.)
			526	302	— (sp. ind. b.)

CLASS **BRACHIOPODA.**527 303 *Orbicula Cumingii* Brod.

SYNOPSIS OF NEW SPECIES.

528	304	<i>Ovula neglecta</i> Ad.	532	308	<i>Pleurotoma atrior</i> Ad.
528	304	<i>variabilis</i> Ad.	532	308	<i>concinna</i> Ad.
528	304	<i>Marginella minor</i> Ad.	532	308	<i>exigua</i> Ad.
528	304	<i>Mitra solitaria</i> Ad.	532	308	<i>gemmulosa</i> Ad.
528	304	<i>Oliva inconspicua</i> Ad.	532	308	<i>grandimaculata</i> Ad.
528	304	<i>Nassa canescens</i> Ad.	533	309	<i>striosa</i> Ad.
529	305	<i>collaria</i> Ad.	533	309	<i>Mangelia neglecta</i> Ad.
529	305	<i>corpulenta</i> Ad.	533	309	<i>Cerithium assimilatatum</i>
529	305	<i>gemmulosa</i> Ad.			[Ad.]
529	305	<i>glauca</i> Ad.	533	309	<i>bimarginatum</i> Ad.
529	305	<i>Panamensis</i> Ad.	533	309	<i>famelicum</i> Ad.
529	305	<i>proxima</i> Ad.	533	309	<i>neglectum</i> Ad.
529	305	<i>striata</i> Ad.	533	309	<i>pauperculum</i> Ad.
529	305	<i>versicolor</i> Ad.	534	310	<i>pulchrum</i> Ad.
530	306	<i>Wilsoni</i> Ad.	534	310	<i>Reevianum</i> Ad.
530	306	<i>Buccinum lugubre</i> Ad.	534	310	<i>validum</i> Ad. [Ad.]
530	306	<i>Stimpsonianum</i> Ad.	534	310	<i>Triphoris alternatus</i>
530	306	<i>Purpura foveolata</i> Ad.	534	310	<i>inconspicuus</i> Ad.
530	306	<i>osculans</i> Ad. [Ad.]	534	310	<i>infrequens</i> Ad.
530	306	<i>Columbella conspicua</i>	534	310	<i>Cœcum diminutum</i> Ad.
530	306	<i>diminuta</i> Ad.	535	311	<i>eburneum</i> Ad.
531	307	<i>gracilis</i> Ad.	535	311	<i>firmatum</i> Ad.
531	307	<i>mœsta</i> Ad.	535	311	<i>læve</i> Ad.
531	307	<i>pulchrior</i> Ad.	535	311	<i>laqueatum</i> Ad.
531	307	<i>tesselata</i> Ad.	535	311	<i>monstrosum</i> Ad.
531	307	<i>Ricinula jugosa</i> Ad.	535	311	<i>parvum</i> Ad.
531	307	<i>Triton fusoides</i> Ad.	535	311	<i>pygmæum</i> Ad.
531	307	<i>Fusus bellus</i> Ad.	535	311	<i>Chemnitzia aculeus</i> Ad.
532	308	<i>Cancellaria affinis</i> Ad.	535	311	<i>acuminata</i> Ad.
532	308	<i>pygmæa</i> Ad.	535	311	<i>affinis</i> Ad.

[Annals of New York Lyceum and Panama Shells.]

Ann. P. S.	Pa.	Pa.	Ann. P. S.	Pa.	Pa.
535	311	Chemnitzia	541	317	Turbo ? phasaniella <i>Ad.</i>
536	312	communis <i>Ad.</i> [<i>Ad.</i>	541	317	rutilus <i>Ad.</i>
536	312	gracilior <i>Ad.</i>	541	317	Eulima <i>iota</i> <i>Ad.</i>
536	312	major <i>Ad.</i>	541	317	recta <i>Ad.</i>
536	312	marginata <i>Ad.</i>	542	318	solitaria <i>Ad.</i>
536	312	Panamensis <i>Ad.</i>	542	318	Pyramidella <i>conica</i> <i>Ad.</i>
536	312	similis <i>Ad.</i>	542	318	Pedipes <i>angulata</i> <i>Ad.</i>
536	312	striosa <i>Ad.</i>	542	318	Auricula <i>concinna</i> <i>Ad.</i>
536	312	turrita <i>Ad.</i>	542	318	infrequens <i>Ad.</i>
537	313	Littorina ? anglostoma	542	318	Panamensis <i>Ad.</i>
537	313	atrata <i>Ad.</i> [<i>Ad.</i>	542	318	Tabogensis <i>Ad.</i>
537	313	dubiosa <i>Ad.</i>	543	319	trilineata <i>Ad.</i>
537	313	? excavata <i>Ad.</i>	543	319	Truncatella <i>Bairdiana</i>
537	313	? foveata <i>Ad.</i>	543	319	? dubiosa <i>Ad.</i> [<i>Ad.</i>
537	313	? megasoma <i>Ad.</i>	543	319	Bulla <i>infrequens</i> <i>Ad.</i>
537	313	Rissoa <i>clandestina</i> <i>Ad.</i>	543	319	luticola <i>Ad.</i>
537	313	firmata <i>Ad.</i>	543	319	Stomatella <i>inflata</i> <i>Ad.</i>
538	314	fortis <i>Ad.</i>	543	319	Calyptraea <i>aberrans</i>
538	314	? inconspicua <i>Ad.</i>			<i>Ad.</i>
538	314	infrequens <i>Ad.</i>	543	319	(Syphopatella) <i>as-</i>
538	314	Janus <i>Ad.</i>			persa <i>Ad.</i>
538	314	notabilis <i>Ad.</i>	544	320	planulata <i>Ad.</i>
538	314	scalariformis <i>Ad.</i>	544	320	(Syphopatella) <i>re-</i>
538	314	Cingula ? inconspicua			regularis <i>Ad.</i>
539	315	paupercula <i>Ad.</i> [<i>Ad.</i>	544	320	Crepidula <i>cerithicola</i>
539	315	? terebellum <i>Ad.</i>	544	320	nivea <i>Ad.</i> [<i>Ad.</i>
539	315	turrita <i>Ad.</i>	544	320	osculans <i>Ad.</i>
539	315	Litiopa ? saxicola <i>Ad.</i>	544	320	rostrata <i>Ad.</i>
539	315	Adeorbis ? abjecta <i>Ad.</i>	544	320	Fissurella <i>alta</i> <i>Ad.</i>
539	315	Vitrinella <i>concinna</i> <i>Ad.</i>	544	320	Anomia <i>tenuis</i> <i>Ad.</i>
539	315	exigua <i>Ad.</i>	544	320	Chama <i>Buddiana</i> <i>Ad.</i>
539	315	Janus <i>Ad.</i>	545	321	Arca <i>pholadiformis</i> <i>Ad.</i>
540	316	minuta <i>Ad.</i>	545	321	similis <i>Ad.</i>
540	316	modesta <i>Ad.</i>	545	321	Tabogensis <i>Ad.</i>
540	316	Panamensis <i>Ad.</i>	545	321	Cytherea <i>consan-</i>
540	316	parva <i>Ad.</i>			guinea <i>Ad.</i>
540	316	perparva <i>Ad.</i>	545	321	Gouldia <i>affinis</i> <i>Ad.</i>
540	316	regularis <i>Ad.</i>	545	321	Cyrena <i>maritima</i> <i>Ad.</i>
540	316	seminuda <i>Ad.</i>	545	321	Donax <i>rostratus</i> <i>Ad.</i>
540	316	tricarinata <i>Ad.</i>	545	321	Tellina <i>cognata</i> <i>Ad.</i>
541	317	valvatoides <i>Ad.</i>	546	322	concinna <i>Ad.</i>
541	317	Trochus <i>coronulatus</i>	546	322	puella <i>Ad.</i>
541	317	Leanus <i>Ad.</i> [<i>Ad.</i>	546	322	siliqua <i>Ad.</i>

[Annals of New York Lyceum and Panama Shells.]

ANN. P. S. Pa. Pa.		ANN. P. S. Pa. Pa.	
546 322	<i>Tellina simulans</i> Ad.	547 323	<i>Anatina alta</i> Ad.
546 322	<i>vicina</i> Ad.	547 323	<i>Pandora cornuta</i> Ad.
546 322	<i>Petricola cognata</i> Ad.	547 323	<i>Potamomya æqualis</i>
547 323	<i>Amphidesma bicolor</i>	548 324	<i>inflata</i> Ad. [Ad.]
547 323	<i>proximum</i> Ad. [Ad.]	548 324	<i>trigonalis</i> Ad.
547 323	<i>striosum</i> Ad.	548 324	<i>Corbula rubra</i> Ad.
547 323	<i>tortuosum</i> Ad.	548 324	<i>Solecurtus affinis</i> Ad.
547 323	<i>ventricosum</i> Ad.	548 324	<i>Solen rudis</i> Ad.

Vol. vi, pt. 1. May, 1853.

Page.

14 **Redfield.**—Descriptions of new species of Helicidæ: by JOHN H. REDFIELD.

14	<i>Bulimus lentiginosus</i> Redfield.	Trinidad.
15	<i>Siamensis</i> Redfield.	Siam.
16	<i>Helix circumfirmata</i> 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	<i>Achatinella violacea</i> Newc.	Molokai.
19	<i>tessellata</i> Newc.	Molokai.
19	<i>Adamsi</i> Newc.	Makawao, Maui.
20	<i>splendida</i> Newc.	Waialukee, Maui.
21	<i>Gouldi</i> Newc.	Waialukee, Maui.
21	<i>rufa</i> Newc.	Molokai.
22	<i>Redfieldi</i> Newc.	Maui.
22	<i>ovata</i> Newc.	Oahu.
23	<i>dubia</i> Newc.	Oahu.
24	<i>polita</i> Newc.	Molokai.
24	<i>obesa</i> Newc.	Maui.
25	<i>Cumingii</i> Newc.	Maui.
25	<i>Pfeifferi</i> Newc.	Molokai.
26	<i>elongata</i> Newc.	Oahu.
27	<i>Helena</i> Newc.	Molokai.
27	<i>labiata</i> Newc.	Oahu.
28	<i>mucronata</i> Newc.	Molokai.
28	<i>fusca</i> Newc.	Oahu.
29	<i>lineolata</i> Newc.	E. Maui.
29	<i>grana</i> Newc.	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.		Pa.	
68	Helix vortex Pfr.	71	Cyclostoma (Chondropoma) Newcombianum Ad.
68	subaquila Sh.	71	Helicina subfusca Mke.
68	euclasta Sh.	72	foveata Pfr.
69	Gundlachi Pfr.	72	var. rubella.
69	incerta Pfr.	72	Truncatella subcylindrica
69	nemoralina Petit.	72	pulchella Pfr. [Gray.
69	Bulimus virgulatus Fer.	72	clathrus Lowe.
69	fraterculus Fer.	72	Planorbis decipiens Ad.?
69	Guadalupensis Brug.	72	circumlineatus Sh.
70	Stenogyra subula Pfr.	72	Physa Sowerbyana D'Orb.
70	octonoides Ad.	72	striata D'Orb.
70	Goodalli Müll.	72	Ancylus obscurus Hald.
70	Swiftiana Pfr.	73	Ammicola crystallina Pfr.
70	octona Chemn.		<i>Paludestrina coronata</i> Pfr.
70	Achatina subtilis Pfr.	73	Neritina virginea Linn.
70	Gundlachi Pfr.	73	meleagris Lam.
70	Spiraxis ejuncida Sh.	73	viridis Lam.
71	Pupa servilis Gld. [Pfr.	73	Melampus coniformis Brug.
71	Macroceramus microdon	73	monilis Lam.
71	Cylindrella pallida Guild.	73	nitens Lam.
71	Succinea approximans Sh.	73	Pedipes quadridens Pfr.
71	Cyclostoma (Megal.) antillarum Sowb.	73	Odstomia (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	Helix vortex.	74	Bulimus virgulatus.
74	Gundlachi.	74	Guadalupensis Brug.
74	nemoralina.	74	fraterculus.
74	euclasta.	74	Achatina Gundlachi.
74	incerta.	74	Spiraxis? ejuncida.
74	notabilis.	74	Pupa servilis.

[Annals of New York Lyceum.]

Page.		Page.	
74	Macroceramus microdon.	74	Cyclostoma Newcombi-
74	Cylindrella pallida.		anum.
74	Cyclostoma Antillarum.	74	Helicina subfusca.
		74	foveata.

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	Helicina maxima <i>Sowb.</i>	76	Stoastoma pisum <i>Ad.</i>
76	albolabris <i>Ad.</i>	76	Proserpina pulchra <i>Ad.</i>
76	palliata <i>Ad.</i>	76	nitida <i>Sowb.</i>
76	Hollandi <i>Ad.</i>	76	pisum <i>Ad.</i>
76	neritella <i>Lam.</i>	76	globulosa <i>D'Orb.</i>
76	Lucidella aureola <i>Gray.</i>	76	depressa <i>D'Orb.</i>
76	Trochatella Tankervillei	76	bidentata <i>D'Orb.</i>
76	pulchella <i>Gray.</i> [Gray.]		

77 **Bland.**—On *Proserpina opalina* *C. B. Ad.*, and *Helix Proserpinula* *Pfr.*: by T. BLAND.

78	Helix infortunata <i>Bland.</i>		<i>H. margarita</i> <i>Pfr.</i>
	<i>H. hyalina</i> <i>Ad.</i>		<i>Odontostoma opalinum</i> <i>Pfr.</i>
	<i>opalina</i> <i>Ad.</i>		<i>Proserpina opalina</i> <i>Pfr.</i>

Vol. vi. April, 1854.

Pa. Pl. Fig.

131 **J. H. Redfield.**—(Vide p. 240.)

131 i 7 **Cyclostoma inornatum** *Redf.* Guadalupe.

Vol. vi, No. 5. Oct. 1855.

Page.

142 **Newcomb.**—Descriptions of new species of *Achatinella*: by W. NEWCOMB, M. D.

142	Achatinella zebra <i>Newc.</i>	East Maui.
143	humilis <i>Newc.</i>	Kalai, Molokai.
143	petricola <i>Newc.</i>	Molokai.
144	fusoides <i>Newc.</i>	East Maui.
144	pusilla <i>Newc.</i>	Ranai.
145	Dwightii <i>Newc.</i>	Molokai.
146	Remyi <i>Newc.</i>	Ranai.
147	<i>Wheatleyi</i> <i>Newc.</i> = A. vidua <i>Pfr.</i>	
147	<i>oviformis</i> <i>Newc.</i> = A. Sowerbyana <i>Pfr.</i>	

[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. Guajabon
- 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. Guadeloupe.
C. inornatum Redf.

[Annals of New York Lyceum.]

- | Pa. | Pl. | Fig. | | |
|-----|-----|-------|--|-----------------|
| 155 | | | Chitty. —Descriptions of two new species of <i>Cylindrella</i> , from Jamaica, West Indies : by the Hon. E. CHITTY, &c. | |
| 155 | v | 1, 2 | Cylindrella megaheila <i>Chitty.</i> | Hanover Parish. |
| 156 | v | 3, 4 | amethystina <i>Chitty.</i> | Hanover Parish. |
| 156 | | | amethystina <i>Chitty</i> (var.) | cerina. |
| 156 | | | Baquieana <i>Chitty.</i> | Jamaica. |
| | | | <i>C. Adamsiana</i> <i>Chitty.</i> | |
| 156 | | | Leptinaria ———? | |
| 157 | | | Haines. —Descriptions of five new species of Terrestrial Shells from Siam : by WILLIAM A. HAINES. | |
| 157 | v | 12-15 | Cyclostoma Housei <i>Haines.</i> | Siam. |
| 157 | v | 9-11 | Myersii <i>Haines.</i> | Siam. |
| 158 | v | 5-8 | distortum <i>Haines.</i> | Siam. |
| 158 | | | Vitrina Siamensis <i>Haines.</i> | Siam. |
| 158 | | | Helix distincta <i>Pfr.</i> | Siam. |

Vol. vi, No. 6. Dec. 1856.

- | Pa. | Pl. | Fig. | | |
|-----|-----|------|--|--|
| 173 | | | Gulick. —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 | Achatinella leucochila <i>Gulick.</i> | |
| 174 | vi | 2 | resinula <i>Gulick.</i> | |
| 175 | vi | 3 | lagena <i>Gulick.</i> | |
| 176 | vi | 4 | lacrima <i>Gulick.</i> | |
| 177 | vi | 5 | costulata <i>Gulick.</i> | |
| 178 | vi | 6 | striatella <i>Gulick.</i> | |
| 179 | vi | 7 | marginata <i>Gulick.</i> | |
| 180 | vi | 8 | fuscula <i>Gulick.</i> | |
| 181 | vi | 9 | fumida <i>Gulick.</i> | |
| 182 | vi | 10 | gummea <i>Gulick.</i> | |
| 183 | vi | 11 | fragilis <i>Gulick.</i> | |
| 184 | vi | 12 | triticea <i>Gulick.</i> | |
| 185 | vi | 13 | granifera <i>Gulick.</i> | |
| 186 | vi | 14 | crystallina <i>Gulick.</i> | |
| 187 | vi | 15 | saxatilis <i>Gulick.</i> | |
| 188 | vi | 16 | exilis <i>Gulick.</i> | |
| 189 | vi | 17 | petila <i>Gulick.</i> | |
| 190 | vi | 18 | octogyrata <i>Gulick.</i> | |
| 191 | vi | 19 | subula <i>Gulick.</i> | |
| 192 | vi | 20 | turrita <i>Gulick.</i> | |

[Annals of New York Lyceum.]

Pa.	Pl.	Fig.	
193	vi	21	Achatinella terebralis <i>Gulick.</i>
194	vi	22	stiria <i>Gulick.</i>
194	vi	23	vitrea <i>Gulick.</i>
195	vi	24	parvula <i>Gulick.</i>
196	vi	25	platystyla <i>Gulick.</i>
197	vi	26	pexa <i>Gulick.</i>
198	vi	27	lactea <i>Gulick.</i>
199	vi	28 ^{a, b}	eburnea <i>Gulick.</i>
200	vii	29	ampulla <i>Gulick.</i>
201	vii	30	fasciata <i>Gulick.</i>
202	vii	31 ^{a, b}	Baileyana <i>Gulick.</i>
204	vii	32	pyramidalis <i>Gulick.</i>
205	vii	33	undosa <i>Gulick.</i>
207	vii	34 ^{a, c}	induta <i>Gulick.</i>
209	vii	35	lignaria <i>Gulick.</i>
210	vii	36	crocea <i>Gulick.</i>
211	vii	37	ustulata <i>Gulick.</i>
212	vii	38	talpina <i>Gulick.</i>
213	vii	39	plumbea <i>Gulick.</i>
214	vii	40	phacozona <i>Gulick.</i>
217	vii	41	plumata <i>Gulick.</i>
220	vii	42 ^{a, b}	diversa <i>Gulick.</i>
222	vii	43	varia <i>Gulick.</i>
			<i>A. vulpina</i> Rve. non Fer.
224	vii	44 ^{a, b}	versipellis <i>Gulick.</i>
225	vii	45	cucumis <i>Gulick.</i>
226	vii	46	trilineata <i>Gulick.</i>
227	vii	47	analoga <i>Gulick.</i>
229	vii	48	papyracea <i>Gulick.</i>
230	vii	49	juncea <i>Gulick.</i>
Vol. vi, No. 7. Feb. 1858.			
231	viii	50	delta <i>Gulick.</i>
232	viii	51	glauca <i>Gulick.</i>
233	viii	52	herbacea <i>Gulick.</i>
234	viii	53	cæsia <i>Gulick.</i>
234	viii	54	concidens <i>Gulick.</i>
235	viii	55	formosa <i>Gulick.</i>
236	viii	56	dimorpha <i>Gulick.</i>
237	viii	57	albescens <i>Gulick.</i>
238	viii	58	zonata <i>Gulick.</i>
239	viii	59	contracta <i>Gulick.</i>
240	viii	60	cognata <i>Gulick.</i>
241	viii	61	scitula <i>Gulick.</i>
241	viii	62	cervina <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. apulstre</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 ^{a, b}	<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			Gill. —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			Newcomb. —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	<i>Achatinella gravida</i> Fer.
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	Achatinella spirizona Fer.		<i>A. ustulata</i> Gulick.
	<i>A. acuta</i> Swains.	311	Achatinella picta Migh.
307	turritella Fer.		<i>A. bulbosa</i> Gulick.
	<i>A. Oahuensis</i> Green.		<i>picta</i> Pfr.
	<i>inornata</i> Migh.	311	venusta Migh.
307	decora Fer.	312	citrina Migh.
	<i>A. vestita</i> Migh.	312	plicata Migh.
	<i>perversa</i> Pfr. not Sw.		<i>Bulimus liratus</i> Pfr.
	<i>simulans</i> Pfr. [Rve.	312	nubilosa Migh.
	<i>lugubris</i> (var.) Pf. not	312	virgulata Migh.
	<i>vittata</i> Pfr. not Rve.		<i>A. Rohri</i> Pfr.
308	tristis Fer.		<i>Bulimus Rohri</i> Pfr.
	<i>A. fuliginosa</i> Gould.		<i>A. insignis</i> Migh.
308	lugubris Chemn.	312	viridans 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	luteola Fer.		<i>sub-virens</i> Pfr. not
308	pulcherrima Swains.		Newc.
	<i>A. mahogani</i> Gulick.		<i>decipiens</i> Pfr. not
	<i>napus</i> Pfr.	313	mustelina Migh. [Newc.
309	perversa Swains.		<i>A. lorata</i> (var. ♂) Pfr.
	<i>A. concidens</i> Gulick.	313	cingula Migh.
	<i>cinnamomea</i> Pfr.	313	radiata Gould.
309	rosea Swains.		<i>A. dubia</i> Pfr. not Newc.
309	livida 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	rubens Gould.
310	bulimoides Swains.		<i>A. rubens</i> Rve.
	<i>A. obliqua</i> Gulick.		<i>Mastersii</i> Pfr.
	<i>oomorpha</i> Gulick.	314	nucleola Gould.
	<i>bulimoides</i> Rve.		<i>A. brevis</i> Pfr.
310	lorata Fer.	315	striatula 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	cerealis Gould.
311	marmorata Gould.	315	acuminata Gould.
	<i>A. Adamsi</i> Newc.	315	guttula Gould.
	<i>Adamsii</i> Newc.		<i>A. gummea</i> Gulick.
	<i>perdix</i> Pfr.		<i>fragilis</i> Gulick.
	<i>induta</i> Gulick.	315	vittata 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	Achatinella taeniolata Pfr.
315	Achatinella producta Ree.		<i>A. rubiginosa</i> Newc.
	<i>A. venulata</i> Newc.	320	variegata Pfr.
	<i>hybrida</i> Newc.		<i>A. rubens</i> (var.) Rve.
	<i>vulpina</i> Gulick not		<i>decepta</i> C. B. Ad.
316	simulans Ree. [Fer.]	320	corneola Pfr.
	<i>A. decora</i> Pfr. not Fer.	320	aptycha Pfr.
316	bella Ree.	320	pulchella Pfr.
316	colorata Ree.	320	cinerosa Pfr.
	<i>A. ustulata</i> Pfr.	320	multicolor Pfr.
316	bilineata Ree. [Sw.]		<i>A. oviformis</i> Newc.
	<i>A. pulcherrima</i> Rve. not	320	Swainsoni ? Pfr.
	<i>Byronii</i> Rve. not Gr.	320	Sowerbyana Pfr.
	<i>pulcherrima</i> Pfr. not	320	dolium Pfr.
317	abbreviata Ree. [Sw.]	320	rudis Pfr.
	<i>A. nivosa</i> Newc.		<i>A. chlorotica</i> Pfr.
	<i>Clementina</i> Pfr.		<i>albida</i> Pfr.
317	castanea Ree.	321	fusiformis Pfr.
317	olivacea Ree.	321	gracilis Pfr.
	<i>A. prasinus</i> Rve.		<i>A. elevata</i> Newc.
317	adusta Ree.		<i>subula</i> Gulick.
317	perdix Ree.	321	crassidentata Pfr.
	<i>A. pyramidalis</i> Gulick.	321	nobilis Pfr.
	<i>undosa</i> Gulick.	321	Hanleyana Pfr.
316	bacca Ree.	321	zebrina Pfr.
318	straminea Ree.	322	extincta Pfr.
	<i>A. gravida</i> (var.) Fer.	322	obclavata Pfr.
318	Byronii Gray.		<i>A. octogyrata</i> Gulick.
	<i>A. melanastoma</i> Newc.		<i>turrita</i> Gulick.
	<i>limbata</i> Gulick. [Sw.]	322	luctuosa Pfr.
	<i>pulcherrima</i> Rve. not	322	Grayana Pfr.
	<i>pulcherrima</i> Pfr. not	322	glutinosa Pfr.
319	ellipsoidea Gould. [Sw.]		<i>A. lacrima</i> Gulick.
	<i>A. pupoidea</i> Newc.	322	callosa Pfr.
319	magna C. B. Ad.	322	dimidiata Pfr.
	<i>A. Baldwinii</i> Newc.	322	semicostata Pfr.
319	modesta C. B. Ad.		<i>A. costulata</i> Gulick.
319	Tappaniana C. B. Ad.	322	teres Pfr.
	<i>A. eburnea</i> Gulick.	322	oryza Pfr.
	<i>ampulla</i> Gulick.		<i>A. tritica</i> Gulick.
	<i>fasciata</i> Gulick.	322	margarita Pfr.
319	Mighelsiana Pfr.	322	sulcata Pfr.
319	pyramis Pfr.	322	auricula Fer.
	<i>A. leucochila</i> Gulick.		<i>Partula Dumartroyi</i> Soul.

[Annals of New York Lyceum.]

Page.		Page.	
	<i>Auricula Owaihiensis</i>		<i>A. intermedia</i> Pfr. not Newc.
	Chamisso.		
	<i>Bulinus auricula</i> Pfr.	325	Achatinella intermedia
	<i>Auricula sinistrorsa</i>		<i>A. rudis</i> Pfr. [Newc.
	Chamisso.	325	casta Newc.
	<i>Bulinus armatus</i> Migh.		<i>A. dimorpha</i> Gulick.
	<i>Tornatellina Owaihiensis</i>		<i>cognata</i> Gulick (var.)
323	Achatinella lurida Pfr. [Pfr.		<i>juncea</i> Gulick.
	<i>Tornatellina castanea</i>	326	violacea Newc.
323	obeliscus Pfr. [Pfr.	326	sanguinea Newc.
	<i>Balea Newcombi</i> Pfr.		<i>A. Ferussaci</i> Pfr.
323	amœna Pfr.	326	porphyrea Newc.
323	cerea Pfr.		<i>A. grossa</i> Pfr.
323	Chamissoi Pfr.	326	gigantea Newc.
323	Newcombiana Pfr.	326	subvirens Newc.
	<i>A. Pfeifferi</i> Newc.		<i>A. viridans</i> Pfr. not Migh.
	<i>Bulinus Newcombianus</i>	326	rutila Newc.
323	Cumingi Newc. [Pfr.		<i>A. viridans</i> Pfr. not Migh.
	<i>A. gemma</i> Pfr.		<i>macrostoma</i> Pfr.
323	farcimen Pfr.		
323	Dunkeri Cuming.	327	ampla Newc.
323	Gouldi Newc.	327	rugosa Newc.
	<i>A. talpina</i> Gulick.	327	multilineata Newc.
324	ovata Newc.		<i>A. monacha</i> Pfr.
	<i>A. candida</i> Pfr.	327	glabra Newc.
	<i>Fricki</i> Pfr.		<i>A. platystyla</i> Gulick.
	<i>vidua</i> Pfr.		<i>elegans</i> Pfr. not Newc.
	<i>cervina</i> Gulick.	327	elegans Newc.
	<i>rotunda</i> Gulick.	327	tessellata Newc.
	<i>spadicea</i> Gulick.	327	sordida Newc.
	<i>pheozona?</i> Gulick.		<i>A. Swainsoni?</i> Pfr.
	<i>lorata</i> Rve. not Fer.	327	fumosa Newc.
324	rufa Newc.	327	lineolata Newc.
324	fulgens Newc.	327	nitida Newc.
	<i>A. diversa</i> Gulick (var <i>i.</i>)		<i>A. crystallina</i> Gulick.
324	splendida Newc.	327	Crassilabrum Newc.
	<i>A. Baileyana</i> Gulick.	327	cornea Newc.
325	Redfieldi Newc.	328	labiata Newc.
325	cestus Newc.		<i>A. dentata</i> Pfr.
325	Swiftii Newc.		<i>lagena</i> Gulick.
	<i>A. valida</i> Pfr.	328	vitrea Newc.
	<i>apicata</i> Newc.		<i>A. fumida</i> Gulick.
325	turgida Newc.	328	affinis Newc.
325	cylindrica Newc.		<i>A. goniostoma</i> Pfr.

[Annals of New York Lyceum.]

Page.		Page.	
328	Achatinella elongata Newc. <i>A. acuta</i> Newc.		<i>A. rubens</i> (var.) Pfr. not Gld.
328	polita Newc.	332	Achatinella decipiens Newc.
329	soror Newc.		<i>A. viridans</i> Pfr. not Migh.
329	obesa Newc.		<i>planospira</i> Pfr.
329	terebra Newc. <i>A. attenuata</i> Pfr. <i>lignaria</i> Gulick. <i>crocea</i> Gulick.		<i>cuneus</i> Pfr. <i>torrida</i> Gulick. <i>corrugata</i> Gulick. <i>scitula</i> Gulick. <i>herbacea</i> Gulick.
329	melanosis Newc.		
329	curta Newc. <i>A. delta</i> Gulick. <i>albescens</i> Gulick. <i>contracta</i> Gulick.	333	variabilis Newc. <i>A. fulva</i> Newc. <i>lactea</i> Gulick.
330	fusca Newc.	333	crassa Newc.
	<i>A. striatella</i> Gulick. <i>petita</i> Gulick.	333	Buddii Newc. <i>A. pera</i> Gulick. <i>plumata</i> Gulick. <i>papyracea</i> Gulick. <i>circis</i> Gulick.
330	recta Newc. <i>A. nympha</i> Gulick.	333	biplicata Newc.
330	grana Newc. <i>A. granifera</i> Gulick. <i>vitriola</i> Gulick. <i>parvula</i> Gulick.	333	semicarinata Newc.
330	porcellana Newc.	334	moesta Newc.
330	mucronata Newc.	334	obscura Newc.
330	Johnsoni Newc. <i>A. aplustre</i> Newc.	334	concinna Newc.
330	assimilis Newc.	334	undulata Newc.
330	reticulata Newc. <i>A. transversalis</i> Pfr. <i>conspersa</i> Pfr.	334	nigra Newc.
331	ornata Newc.	334	tetrao Newc.
331	albo-labris Newc. <i>A. nucleola</i> Rve. not Gld.	334	succincta Newc. <i>A. marginata</i> Gulick.
331	solitaria Newc.	334	zebra Newc.
331	germana Newc.	334	humilis Newc.
331	flavescens Newc.	334	petricola Newc. <i>A. umbilicata</i> Pfr.
331	Helena Newc.	334	fusoidea Newc.
331	physa Newc.	334	pusilla Newc. <i>A. pulla</i> Newc.
331	dubia Newc. <i>A. radiata</i> Pfr. not Gld.	334	Dwightii Newc.
332	grisea Newc. <i>A. radiata</i> Pfr.	334	Remyi Newc.
332	Mastersi Newc.	334	Maiensis Newc.
		334	obtusa Newc.
		335	resinula Gulick.
		335	saxatilis Gulick.
		335	terebralis Gulick.
		335	exilis Gulick.

[Annals of New York Lyceum.]

Page.		Page.	
335	Achatinella stiria <i>Gulick.</i>	335	Achatinella trilineata <i>Gul.</i>
335	versipellis <i>Gulick.</i>		<i>A. zonata</i> <i>Gulick.</i> (var.)
335	cucumis <i>Gulick.</i>	335	fuscula <i>Gulick.</i>
		335	formosa <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	Pisidium amnicum <i>Jen. Eur.</i>		<i>Pisidium Jenynsi</i> <i>McGil.</i>
	<i>Tellina amnica</i> <i>Müll.</i>		<i>vitrcum</i> <i>Pfr.</i>
	<i>striata</i> <i>Schrot.</i>		<i>nitidum</i> <i>Jen.</i>
	<i>rivalis</i> <i>Mat. & 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 injlatum</i> <i>Meg.</i>		<i>planum</i> <i>Pfr.</i>
	<i>Cyclas Pfeifferi</i> <i>Meg.</i>		<i>Stabileii</i> <i>Schm.</i>
	<i>Pisidium palustre</i> <i>Nils.</i>	97	Pisidium conicum <i>Baud. Fr.</i>
	<i>Pfeifferi</i> <i>Zeigl.</i>	98	duplicatum <i>Pfr. Germ.</i>
	<i>Cordula amnica</i> <i>Leach.</i>		<i>Cyclas duplicata</i> <i>Pfr.</i>
	<i>Pisidium Grateloupianum</i>	98	Ferroense <i>Morch.</i>
	<i>Norm.</i>		<i>Fer. Isl.</i>
	<i>intermedium</i> <i>Gas.</i>	98	fuscum <i>Parr. Germ.</i>
	<i>sulcatum</i> <i>Parr.</i>	98	Gassiesianum <i>Dup. Fr.</i>
96	Canariense <i>Shull. Can.</i>		<i>P. Normandianum</i> <i>Dup.</i>
96	casertanum <i>Bgt. Eur.</i>		<i>tetragonum</i> <i>Norm.</i>
	<i>Cardium casertanum</i> <i>Poli.</i>		<i>Boudanianum</i> <i>Ces.</i>
	<i>amnicum</i> <i>Mont.</i>	98	Henslowianum <i>Jen. Eur.</i>
	<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>Lunsterianum</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>Bonnafoixianum</i>		<i>Cyclas ovalis</i> Nils.
	Ceš.		<i>Pisidium ovale</i> Pet.
	<i>Jaudouinianum</i> Gas.	101	<i>Pisidium pusillum</i> Jen. Eur.
	<i>pictum</i> Ces.		<i>Tellina pusilla</i> Gmel.
100	<i>Pisidium nitidum</i> 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	obtusale Pfr. Eur.		Leach.
	<i>Cyclas obtusalis</i> Lam.		<i>P. roseum</i> Scholtz.
	<i>minima</i> Stud.	101	Recluzianum Bgt. Eur.
	<i>gibba</i> Ald.	102	semen Mke. Oceanica.
	<i>Pera gibba</i> Leach.	102	supinum 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	<i>Prisodon truncatus</i> Schum.		<i>Castalia Duprei</i> Recl.
	<i>Castalia ambigua</i> Lam.	368	<i>Prisodon nodulosus</i> Lea.
368	Duprei 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.	MAG. N. H.	
Page.	Page.	
21	59	<i>Nautilus umbilicatus</i> List.
21	59	<i>scrobiculatus</i> Solander.
		<i>N. pompilius</i> (var. β) 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 Lamarek (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.

(615)

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.]

- | | | | |
|-----|---|-----|--|
| No. | | No. | |
| 22 | Teredo navalis Linn. | 38 | Pandora trilineata Say.
<i>P. nasuta</i> Sowb. |
| 23 | Pholas costata Linn. | 39 | Osteodesma hyalina Couth.
<i>Mya hyalina</i> Conr. |
| 24 | crispata Linn. | 40 | Anatina papyratia Say. |
| 25 | Solen ensis Linn. | 41 | Cochlodesma Leana Couth.
<i>Anatina Leana</i> Conr. |
| 26 | viridis Say. | 42 | Thracia Conradi Couth.
<i>T. declivis</i> Conr. |
| 27 | Solecortus Caribæus Conr.
<i>Solen Caribæus</i> Lam. | 43 | Mactra solidissima Chemn.
<i>M. gigantea</i> Lam. |
| 28 | fragilis Conr.
<i>Solen fragilis</i> Pult.
<i>centralis</i> Say. | 44 | ovalis Gould.
<i>M. similis</i> Gray. |
| 29 | Machæra costatus Gould.
<i>Solecortus costatus</i> Say. | 45 | lateralis Say. |
| 30 | nitida Gould. | 46 | Cumingia tellinoides Conr.
<i>Mactra tellinoides</i> Conr. |
| 31 | Solemya borealis Totten. | 47 | Mesodesma arotata Gould.
<i>Mactra arotata</i> Conr. |
| 32 | velum Say. | 48 | Jauressii De Joannis. |
| 33 | Panopæa arctica Gould.
<i>Glycymeris arctica</i> Lam. | 49 | Montacuta bidentata Gld. |
| 34 | Glycymeris siliqua Lam. | 50 | Kellia rubra Turt. |
| 35 | Mya arenaria Linn.
<i>M. mercenaria</i> Say. | 51 | Saxicava distorta Say. |
| 36 | truncata Linn. | | |
| 37 | Corbula contracta Say. | | |

- | No. | | No. | |
|-----|---|-----|---|
| 52 | Petricola pholadiformis
<i>P. fornicata</i> Say. [Lam. | 85 | Nucula minuta Turt.
<i>N. tenuisulcata</i> Couth. |
| 53 | dactylus Sowb. | 86 | myalis Couth. |
| 54 | Sanguinolaria fusca Conr.
<i>Psammobia fusca</i> Say. | 87 | navicularis Couth. |
| 55 | sordida Gould.
<i>Tellina sordida</i> Couth. | 88 | proxima Say. |
| 56 | Tellina tenera Say. | 89 | sapotilla Gould. |
| 57 | tenta Say. | 90 | tenuis Turt. |
| 58 | calcaria. | 91 | thraciæformis Storer. |
| 59 | Lucina radula Gould.
<i>Tellina radula</i> Mont. | 92 | Unio complanatus Lea.
<i>U. purpureus</i> Say. |
| 60 | divaricata Lam. | 93 | cariosus Say. |
| 61 | flexuosa Gould.
<i>Cryptodon flexuosa</i> Turt. | 94 | nasutus Say. |
| 62 | Cyclas dubia Say. | 95 | radiatus Barnes. |
| 63 | elegans Ad. | 96 | ochraceus Say. |
| 64 | partumeia Say. | 97 | Alasmodon arcuata Barnes. |
| 65 | similis Say. | 98 | marginata Say. |
| 66 | Astarte castanea Say.
<i>Crassina castanea</i> Lam. | 99 | undulata Barnes.
<i>Unio undulata</i> Say. |
| 67 | lactea Br. & Sowb. | 100 | Anodon fluviatilis Lea.
<i>A. cataracta</i> Say. |
| 68 | quadrans Gould. | 101 | implicata Say. |
| 69 | sulcata Fleming.
<i>Venus sulcata</i> Mont.
<i>Crassina sulcata</i> Lam.
<i>A. Danmoniensis</i> Sowb. | 102 | undulata Say. |
| 70 | Cyprina islandica Lam.
<i>Venus islandica</i> Linn. | 103 | Mytilus edulis Linn. |
| 71 | Cytherea convexa Say. | 104 | var. pellucidus Pennant. |
| 72 | Venus mercenaria Linn. | 105 | Modiola barbata Lam. |
| 73 | notata Say. | 106 | discors Flem. |
| 74 | præparca (var.) Say. | 107 | discrepans Gould.
<i>Mytilus discrepans</i> Mont. |
| 75 | fluctuosa Gould. | 108 | glandula Totten. |
| 76 | gemma Totten. [Chemn. | 109 | modiolus Turt.
<i>M. papuana</i> Lam. |
| 77 | Cardium Grœnlandicum | 110 | nexa Gould. |
| 78 | islandicum Linn.
<i>C. pubescens</i> Couth. | 111 | pectinula Gould. |
| 79 | Mortoni Conr. | 112 | plicatula Lam. |
| 80 | pinnulatum Conr. | 113 | Pecten concentricus Say. |
| 81 | Cardita borealis Conr. | 114 | islandicum Chemn.
<i>P. Pealii</i> Conr. |
| 82 | Arca pexata Say. | 115 | Magellanicus Lam. |
| 83 | transversa Say. | 116 | Ostrea borealis Lam.
<i>O. edulis</i> Linn. |
| 84 | Nucula limatula Say. | 117 | virginiana List. |
| | | 118 | Anomia aculeata Gmel. |
| | | 119 | squamula Linn. |
| | | 120 | ephippium Linn. |

No.		No.	
121	Terebratula caput-serpentis Lam. <i>T. septentrionalis</i> Couth.	159	Helix monodon Rack. <i>H. fraterna</i> Say.
122	psittacea Gmel.	160	hirsuta Say. <i>H. fraterna</i> Wood.
123	Chiton albus Mont. <i>C. sagrinatus</i> Couth.	161	pulchella Müll. <i>H. minuta</i> Say.
124	apiculatus Say.	162	striatella Anth.
125	anus Sowb. <i>C. Emersonii</i> Couth.	163	thyroidus Say.
126	fulminatus Couth.	164	tridentata Say.
127	marginatus Pennant.	165	Pupa contracta Say.
128	ruber Lowe.	166	curvidens Gould.
129	Patella candida Couth.	167	exigua Say.
130	Lottia alveus Gould.	168	fallax Say.
131	testudinalis Gould. <i>Patella amana</i> Say. — (sp. ind.)	169	millium Gould.
132		170	modesta Say.
133	Dentalium dentale Linn.	171	simplex Gould.
134	Cemoria noachina Gould. <i>Patella noachina</i> Linn.	172	Tappaniana Ward.
135	Crepidula convexa Say.	173	Bulimus lubricus Brug.
136	fornicata Lam.	174	Succinea avara Say.
137	glauca Say.	175	campestris Say.
138	plana Say.	176	ovalis Say.
139	Bulla canaliculata Gould.	177	Auricula bidentata Gould. <i>Melampus bidentatus</i> Say.
140	debilis Gould.	178	denticulata Gould.
141	Gouldii Couth.	179	Planorbis armigerus Say.
142	hiemalis Couth.	180	bicarinatus Say.
143	insculpta Totten.	181	campanulatus Say.
144	lineolata Couth.	182	deflectus Say.
145	obstricta Gould.	183	dilatatus Gould.
146	oryza Totten.	184	elevatus Ad.
147	triticea Couth.	185	exacutus Say.
148	Helix albo-labris Say.	186	hirsutus Gould.
149	alternata Say. <i>H. scabra</i> Lam.	187	lentus Say.
150	arborea Say.	188	parvus Say.
151	cellaria Müll.	189	trivolvus Say.
152	chersina Say.	190	virens .
153	electrina Gould.	191	Physa ancillaria Say.
154	hortensis Müll.	192	elongata Say.
155	subglobosa (var.) Binn.	193	heterostropha Say.
156	lineata Say.	194	Limnæa columella Say.
157	indentata Say.	195	chalybea (var.) Gould.
158	labyrinthica Say.	196	catascopium Say.
		197	elodes Say.
		198	desidiosus Say.

- | No. | | No. | |
|-----|---|-----|---|
| 199 | Limnæa macrostoma Say.
<i>L. acuminata</i> Ad. | 232 | Margarita undulata Sowb.
<i>Turbo incarnatus</i> Couth. |
| 200 | modicellus Say. | 233 | Littorina palliata Gould.
<i>Turbo palliatus</i> Say. |
| 201 | umbilicata Ad. | 234 | rudis Gould.
<i>Turbo obligatus</i> Say. |
| 202 | Ancylus fuscus Ad. | 235 | tenebrosa Gould.
<i>Turbo vestitus</i> Say. |
| 203 | rivularis Say. | 236 | Lacuna neritoidea Gould. |
| 204 | Valvata pupoidea Gould. | 237 | vincta Gould.
<i>L. pertusa</i> Conr. |
| 205 | tricarinata Say. | 238 | fusca (var.) Ad. |
| 206 | Paludina decisa Say. | 239 | Cingula aculeus Gould.
<i>Turbo aculeus</i> Ad. |
| 207 | Amnicola porata Say. | 240 | minuta Gould.
<i>Turbo minuta</i> Totten. |
| 208 | Natica canaliculata Gould. | 241 | Turritella erosa Couth. |
| 209 | clausa Brod.
<i>N. consolidata</i> Couth. | 242 | interrupta Totten. |
| 210 | duplicata Say. | 243 | Pyramis striatula Couth. |
| 211 | flava Gould. | 244 | Odostomia exigua Gould.
<i>Jamina exigua</i> Couth. |
| 212 | heros Say. | 245 | fusca Gould. |
| 213 | immaculata Totten. | 246 | producta Gould.
<i>Jamina producta</i> Ad. |
| 214 | pusilla Say. | 247 | seminuda Gould. |
| 215 | triseriata Say. | 248 | trifida Gould.
<i>Acteon trifides</i> Totten. |
| 216 | — (sp. ind.) | 249 | Cerithium Emersonii Ad. |
| 217 | Janthina fragilis Brug. | 250 | Greenii Ad. |
| 218 | Velutina lævigata Gould.
<i>V. rupicola</i> Conr. | 251 | nigrocinctum Ad. |
| 219 | zonata Gould. | 252 | terebrale Ad. |
| 220 | Sigaretushaliotoideus Lam.
<i>Oxynoe glabra</i> Couth. | 253 | Sayi Mke.
<i>C. reticulatum</i> Totten. |
| 221 | Tornatilla puncto-striata
Ad. | 254 | Pleurotoma decussata Cth. |
| 222 | Vermetus lumbricalis Lam. | 255 | bicarinata Couth. |
| 223 | Skenea serpuloides Flem.
<i>Delphinula serpuloides</i>
Ad. | 256 | plicata Ad. |
| 224 | Scalaria Grœnlandica Gld.
<i>S. subulata</i> Couth. | 257 | Cancellaria Couthouyi Jay.
<i>C. buccinoïdes</i> Couth. |
| 225 | lineata Say. | 258 | Fusus bamffius Flem. |
| 226 | multistriata Say. | 259 | decemcostatus Say. |
| 227 | nov-angliæ Couth. | 260 | harpularius Couth. |
| 228 | Margarita cinerea Gould.
<i>Turbo cinereus</i> Couth. | 261 | islandicus Mart.
<i>F. corneus</i> Say. |
| 229 | argentea Gould. | 262 | muricatus Brown. |
| 230 | arctica Leach.
<i>Turbo inflatus</i> Totten. | | |
| 231 | obscura Gould.
<i>Turbo obscurus</i> Couth. | | |

No.		No.	
263	Fusus rufus Gould.	277	Buccinum cilliatum Gould.
264	<i>pygmæus</i> (var.) Gould.		<i>B. ventricosum</i> Kien.
265	<i>scalariformis</i> Gould.	278	Donovani Gray.
266	<i>tornatus</i> Gould.	279	lunatum Ad.
267	<i>turricula</i> Flem.	280	obsoletum Ad.
268	<i>ventricosus</i> Gray.	281	plicosum Mke.
269	Pyrula canaliculata Brug.		<i>Fusus cinereus</i> Say.
270	<i>carica</i> Brug.	282	rosaceum Gould.
271	Ranella caudata Say.	283	trivittatum Ad.
272	Rostellaria occidentalis		<i>Nassa trivittata</i> Say.
	Beck.	284	undatum Linn.
273	Trichotropis borealis Sowb.	285	vibex Ad.
	<i>T. costellatus</i> Couth.		<i>Nassa vibex</i> Say.
274	Purpura lapillus Lam.	286	Columbella avara Say.
275	<i>imbricata</i> (var.) Lam.	287	Spirula Peronii Lam.
276	<i>bizonalis</i> (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	Ammicola Cincinnatiensis	13	Cyclas dubia Say.
	Anth.	14	partumeia Say.
	<i>Paludina Cincinnatiensis</i>		<i>C. cornea</i> (var.) Lam.
2	integra Say. [Anth.	15	similis Say.
	<i>Melania integra</i> Say.		<i>C. sulcata</i> Lam.
3	lapidaria Say.	16	Helix albolabris Say.
	<i>Cyclostoma lapidaria</i> Say.	17	alternata Say.
4	lustrica Say.		<i>H. scabra</i> Lam.
	<i>Paludina lustrica</i> Say.		<i>radiata</i> Gmel.
5	Sayana Anth.	18	appressa Say.
	<i>Cyclostoma Sayana</i> Anth.		<i>H. linguifera</i> Fer.
	<i>Cincinnatiensis</i> Lea.	19	arborea Say.
6	Anculosa costata Anth.	20	clausa Say.
7	isogona Say.		<i>H. Mitchelliana</i> Lea.
	<i>Melania isogona</i> Say.	21	chersina Say.
	<i>Paludina pallida</i> Lea.	22	conca Say.
8	præorsora Say. [Lea.		<i>H. planorboides</i> Fer.
	<i>Melania Cincinnatiensis</i>		<i>Vancouverensis</i> Lea.
9	Ancylus diaphanus Hald.	23	electrina Gould.
10	<i>rivularis</i> Say.	24	elevata Say.
11	Bulimus lubricus Brug.		<i>H. Knoxvilleana</i> Fer.
12	<i>vermetus</i> Anth.	25	fallax Say.

- | No. | | No. | |
|-----|--|-----|--|
| 26 | Helix fraterna Say.
<i>H. monodon</i> Wood.
<i>convexa</i> Desh. | 49 | Helix suppressa Say. |
| 27 | fuliginosa Griffith.
<i>H. lucubrata</i> Say.
<i>lavigata</i> Fer. | 50 | tridentata Say. |
| 28 | hirsuta Say.
<i>H. fraterna</i> Wood. | 51 | thyroidus Say. |
| 29 | indentata Say. | 52 | zaleta Say. |
| 30 | inflecta Say.
<i>H. clausa</i> Fer. | 53 | Limnea caperata Say. |
| 31 | inornata Say. | 54 | desidiosa Say.
<i>L. curta</i> Lea. |
| 32 | interna Say.
<i>H. pomum Adami</i> Green. | 55 | elodes Say. |
| 33 | intertexta Binney. | 56 | humilis Say. |
| 34 | labyrinthica Say. | 57 | reflexa Say.
<i>L. exilis</i> Lea. |
| 35 | ligera Say.
<i>H. Rafinesquea</i> Fer.
<i>Wardiana</i> Lea. | 58 | jugularis Say.
<i>L. speciosa</i> Rossmasler. |
| 36 | limatula Ward. | 59 | umbrosa Say. |
| 37 | lineata Say. | 59½ | columella Say. |
| 38 | minuscula Binney.
<i>H. minutissima</i> Lea. | 60 | Melania canaliculata Say. |
| 39 | monodon Rack.
<i>H. Leaii</i> Ward. | 61 | conica Say. |
| 40 | multilineata Say. | 62 | depygis Say. |
| 41 | palliata Say.
<i>H. obstricta</i> Say.
<i>denotata</i> Say.
<i>Carocolla Helicoides</i>
Lea.
<i>Carocolla Carolinensis</i>
Lea. | 63 | exilis Hald.
<i>M. Kirtlandianus</i> Lea. |
| 42 | Pennsylvanica Green. | 64 | gracilis Anth. |
| 43 | perspectiva Say.
<i>H. parvula</i> Desh. | 65 | Sayii Wood. |
| 44 | profunda Say.
<i>H. Richardi</i> Lam. | 66 | excurata Conr. |
| 45 | pulchella Müll.
<i>H. minuta</i> Say.
<i>paludosa</i> Mont. | 67 | undulata Say. |
| 46 | Sayii Binney.
<i>H. diodonta</i> Say. | 68 | varicosa Ward. |
| 47 | solitaria Say. | 69 | Paludina heterostropha |
| 48 | striatella Anth. | 70 | integra Say. [Kirt. |
| | | 71 | ponderosa Say. |
| | | 72 | subcarinata Say.
<i>P. carinata Valenciennes</i> |
| | | 73 | Physa ancillaria Say.
<i>P. Sayii</i> Tappan. |
| | | 74 | elongata Say. |
| | | 76 | gyrini Say.
<i>P. elliptica</i> Lea. |
| | | 77 | heterostropha Say.
<i>P. aurea</i> Lea. |
| | | 78 | Planorbis armigerus Say. |
| | | 79 | bicarinatus Say. |
| | | 80 | campanulatus Say. |
| | | 81 | concavus Anth. |
| | | 82 | corpulentus Say. |
| | | 83 | deflectus Say. |
| | | 84 | dilatatus Gould.
<i>P. lens</i> Lea. |

No.		No.	
85	Planorbis exacutus Say. <i>Paludina hyalina</i> Lea.		<i>U. ellipticus</i> Barnes. <i>venustus?</i> Lea.
86	lentus Say.	107	Unio cylindricus Say. <i>U. solenoides</i> Raf. <i>naviformis</i> Lam.
87	parvus Say.	108	cyphius Raf. <i>U. asopus</i> Green.
88	trivolvus Say.	109	dilatatus Raf. <i>U. gibbosus</i> Barnes. <i>nasutus</i> Lam. <i>arctior</i> Lea.
89	Pupa albilabris Ward. <i>Cyclostoma marginata</i>	110	flavus Raf. <i>U. rubiginosus</i> Lea. <i>trigonus</i> Lea.
90	armifera Say. [Say.	111	fasciolus Raf. <i>U. multiradiatus</i> Lea.
91	contracta Say.	112	fasciolaris Raf. <i>U. phaseolus</i> Hild. <i>planulatus</i> Lea. <i>camelus</i> Lea.
92	corticaria Say.	113	flexuosus Raf. <i>U. foliatus</i> Hild.
93	exigua Say.	114	fragilis Raf. <i>U. gracilis</i> Barnes.
94	modesta Say.	115	fragosus Conr.
95	Succinea campertris Say. <i>S. retusa</i> Lea.	116	gibbosus Raf. <i>U. torulosus</i> Raf. <i>perplexus</i> Lea. <i>Rangianus</i> Lea. <i>capsaformis</i> Lea.
96	avara Say.	117	heros Say. <i>U. undulatus</i> Say. <i>multiplicatus</i> Lea.
97	ovalis Say.	118	lapillus Say. <i>U. fabalis</i> Lea. <i>Troostensis</i> Lea.
98	Valvata sincera Say.	119	leptodon Raf. <i>U. planus</i> Barnes. <i>velum</i> Say. <i>purpurascens</i> Swains. <i>tenissimus</i> Lea.
99	tricarinata Say. <i>V. bicarinata</i> Lea.	120	lineolatus Raf. <i>U. depressus</i> Raf. <i>securis</i> Lea.
100	Unio alasmodontinus Barn. <i>U. compressus</i> Lea.		
101	alatus Say. <i>U. megapterus</i> Raf.		
102	bullatus Raf. <i>U. prasinus</i> Conr. <i>Schoolcraftensis</i> Lea. <i>pustulosus</i> Lea. <i>Dorfeuillanus</i> Lea.		
103	cardium Raf. <i>U. ventricosus</i> Barnes. <i>occidens</i> Lea. <i>sub-ovatus</i> Lea. <i>dolabraformis</i> Lea.		
104	cicatricosus Say. <i>U. varicosus</i> Lea.		
105	cuneatus Raf. <i>U. modioliformis</i> Say. <i>scalentus</i> Raf. <i>patulus</i> Lea. <i>decisus?</i> Lea.		
106	crassus Say. <i>U. ellipsarius</i> Raf. <i>fasciatus</i> Raf. <i>ligamentina</i> Lam. <i>carinatus</i> Barnes.		

- | No. | | No. | |
|------|---|-----|--|
| 121 | Unio metanevrus Raf.
<i>U. nodosus</i> Barnes. | 136 | Unio politus Say.
<i>U. subrotundus</i> Lea.
<i>Kirtlandianus</i> Lea. |
| 122 | monodontus Say.
<i>U. soleniformis</i> Lea. | 137 | quadrulus Raf.
<i>U. rugosus</i> Barnes.
<i>luchrymosus</i> Lea.
<i>asperrimus</i> Lea. |
| 123 | mytiloides Raf.
<i>U. cordatus</i> Raf.
<i>undatus</i> Barnes.
<i>pyramidatus</i> Lea.
<i>solidus</i> Lea. | 138 | rubrum Raf.
<i>U. coccineus</i> Hild.
<i>Gouldianus</i> Ward.
<i>catillus</i> Conr. |
| 124 | nasutus Say.
<i>U. rostratus</i> Val.
<i>Vaughanianus?</i> Lea. | 139 | reflexus Raf.
<i>U. cornutus</i> Barnes. |
| 125 | nervosus Raf.
<i>U. donaciformis</i> Lea.
<i>zig-zag</i> Lea. | 140 | rectus Lam.
<i>U. latissimus</i> Raf.
<i>prolongus</i> Barnes. |
| 126 | nigrum Raf.
<i>U. cuneatus</i> Barnes.
<i>gibber</i> Lea. | 141 | Sayii Ward. |
| 127 | nodulatus Raf.
<i>U. pustulatus</i> Lea. | 142 | siliquoides Barnes.
<i>U. inflatus</i> Barnes.
<i>Hydianus</i> Lea. |
| 128 | obliquatus Raf.
<i>U. sulcatus</i> Lea.
<i>ridibundus</i> Say. | 143 | stegarius Raf.
<i>U. irroratus</i> Lea. |
| 129 | obovalis Raf.
<i>U. ebenus</i> Lea. | 144 | striatus Raf.
<i>U. Cooperianus</i> Lea. |
| 130 | Ohioensis Raf.
<i>U. levissimus</i> Lea.
<i>inflatus</i> Lea. | 145 | subrostratus Say.
<i>U. iris</i> Lea. |
| 131 | olivarius Raf.
<i>U. ellipsis</i> Lea. | 146 | subrotundus Raf.
<i>U. circulus</i> Lea.
<i>lens</i> Lea. |
| 132 | orbiculatus Hild.
<i>U. abruptus</i> Say. | 147 | teres Raf.
<i>U. anodontoides</i> Lea. |
| 133 | ovatus Say.
<i>U. globosus</i> Lea.
<i>capax</i> Green. | 148 | torsus Raf. |
| 134 | parvus Barnes. | 149 | triquetrus Raf.
<i>U. cuneatus</i> Swains.
<i>triangularis</i> Barnes.
<i>formosus</i> Lea. |
| 134½ | personatus Say.
<i>U. pileus</i> Lea.
<i>plenus</i> Lea.
<i>Sowerbianus</i> Lea. | 150 | truncatus Raf.
<i>U. elegans</i> Lea. |
| 135 | plicatus Say.
<i>U. rariplicatus</i> Lam.
<i>costatus</i> Raf.
<i>Peruvianus</i> Lam. | 151 | tuberculatus Raf.
<i>U. tuberculosus</i> Val.
<i>verrucosus</i> Barnes.
<i>graniferus</i> Lea. |
| | | 152 | undulatus Barnes. |
| | | 153 | verrucosus Raf.
<i>U. tuberculatus</i> Barnes. |

No.		No.	
154	Anodonta cataracta Say. <i>A. exilis</i> Lea. <i>salmonca</i> Lea. <i>Pepiniana</i> Lea.	158½	Alasmodonta ambigua Say. <i>Unio Hildrethianus</i> Lea.
155	Ferrusaciana Lea.	159	calceola Lea. <i>A. deltoidea</i> Lea.
156	grandis Say. <i>A. plana</i> Lea. <i>decora</i> Lea. <i>gigantea</i> Lea.	160	complanata Barnes.
157	imbecillis Say. <i>A. incerta</i> Lea.	161	costata Raf. <i>A. rugosa</i> Barnes.
158	lata Raf. <i>Unio dehiscens</i> Say. <i>oriens</i> Lea.	162	edentula 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	truncata 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	Solen ———.	195	Planorbis spirorbis.
190	Mya arenaria.	195	alba? <i>Helix alba</i> Linn.
190	Venus mercenaria.	195	—————.
191	Unio sinuata.	195	Physa fontinalis.
191	radiata.	195	subopaca.
191	nanca.	196	Lymnæa stagnalis.
192	Modiola plicatula.	196	palustris.
192	Mytelus borealis.	196	Paludina ———.
192	Ostrea canadensis.	196	—————.
193	Crepidula fornicata.	197	Natica magdalena.
193	Helix hortensis.	197	Buccinum ———.
194	—————.	198	—————.
194	Carocolla dubia.		
194	Succinea amphibia.		

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	Tebennophorus Carolinensis <i>Bosc.</i>	241	Vertigo Gouldii <i>Binney.</i>
241	Succinea obliqua <i>Say.</i>	241	Pupa ———.
241	Helix albolabris <i>Say.</i>	241	Carychium exiguum <i>Say.</i>
241	<i>exoleta</i> <i>Binney.</i>	241	Physa heterostropha <i>Say.</i>
241	<i>monodon</i> <i>Rack.</i>	241	<i>aurea</i> <i>Lea.</i>
241	<i>concava</i> <i>Say.</i>	242	<i>elliptica</i> <i>Lea.</i>
241	<i>pulchella</i> <i>Müll.</i>	242	<i>elongata</i> <i>Say.</i>
241	<i>Sayii</i> <i>Binney.</i>	242	Limnæa exigua <i>Lea.</i>
241	<i>labyrinthica</i> <i>Say.</i>	242	<i>galbanus</i> <i>Say.</i>
241	<i>alternata</i> <i>Say.</i>	242	<i>plicata</i> <i>Lea.</i>
241	<i>striatella</i> <i>Anth.</i>	242	<i>reflexa</i> <i>Say.</i>
241	<i>arborea</i> <i>Say.</i>	242	<i>umbilicata</i> <i>Say.</i>
241	<i>chersina</i> <i>Say.</i>	242	Planorbis trivolvis <i>Say.</i>
241	<i>lineata</i> <i>Say.</i>	242	<i>bicarinatus</i> <i>Say.</i>
241	Bulimus marginatus <i>Say.</i>	242	<i>campanulatus</i> <i>Say.</i>
241	Achatina lubrica <i>Müll.</i>	242	<i>parvus</i> <i>Say.</i>
		242	<i>deflectus</i> <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> Auth.	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	<i>Buccinum Donovanii</i> Gray.	254	<i>Solen ensis</i> Linn.
253	<i>Nassa trivittata</i> Say.	254	<i>Tellina proxima</i> Brown.
253	<i>obsoleta</i> Say.	254	<i>Grœnlandica</i> Beck.
253	<i>Purpura lapillus</i> Lam.	254	<i>Mactra ovalis</i> Gould.
253	<i>Trichotropis borealis</i> Sowb.	254	<i>Mesodesma arctatum</i> Gld.
253	<i>Velutina haliotoides</i> Müll.	254	<i>Venus gemma</i> Totten.
253	<i>Lamellaria perspicua</i> Loven.	254	<i>Aphrodite Grœnlandica</i> St.
253	<i>Natica heros</i> Say.	254	<i>Cardium Islandicum</i> Linn.
	<i>N. ampullaria</i> Lam.	254	<i>Cardita borealis</i> Conr.
253	<i>clausa</i> Br. & Sowb.	254	<i>Astarte sulcata</i> 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	<i>Lucina flexuosa</i> Gould.
253	<i>Chemnitzia</i> ———.	254	<i>Lima subauriculata</i> Mont.
253	<i>Aphorhais occidentalis</i>	254	<i>Mytilus edulis</i> Linn.
253	<i>Rissoa minuta</i> St. [Gould.	255	<i>Modiola discors</i> Linn.
253	<i>Lacuna vincta</i> Turt.	255	<i>plicatula</i> Lam.
253	<i>Littorina littoralis</i> 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	<i>Nucula myalis</i> Couth.
254	<i>Margarita cinerea</i> Gould.	255	<i>tenuis</i> Turt.
254	<i>undulata</i> Sowb.	255	<i>Pecten Magellanicus</i> Lam.
254	<i>helicina</i> Müll.	255	<i>Islandicus</i> Müll.
254	<i>Skenea costulata</i> F. & H.	255	<i>Anomia ephippium</i> Linn.
254	<i>Diadora Noachina</i> Gray.	255	<i>Unio complanatus</i> Lea.
254	<i>Crepidula fornicata</i> Lam.	255	<i>Margaritana arcuata</i> Barnes.
254	<i>Acmea testudinalis</i> Hanl.	255	<i>Anodonta subcylindracea</i>
254	<i>cœca</i> .	255	————— [Lea.
254	<i>Chiton marmoreus</i> Fabr.	255	<i>edentula</i> Say.
254	<i>Pholas crispata</i> Linn.	255	<i>fragilis</i> Lam.
254	<i>Saxicava rugosa</i> Lam.	255	<i>implicata</i> Say.
254	<i>Mya arenaria</i> Linn.	255	<i>Cyclas similis</i> Say.
254	<i>truncata</i> Linn.	255	<i>dubia</i> ? Say.
254	<i>Glycimeris siliqua</i> Lam.	255	—————.
254	<i>Osteodesma hyalina</i> Couth.	255	<i>Hippothyris psittacea</i> King.
254	<i>Machæra costata</i> 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> Lca.	112	<i>Mesodesma arctata</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 ephippium</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 pinnatum</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>Cochlodesma 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 vineta</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>Mactra 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	Trichotropis borealis Sowb. <i>T. costellatus</i> Couth.	113	Venus gemma Totten. <i>mercenaria</i> Linn.
113	Turritella erosa Couth.	113	Velutina lævigata. <i>V. rupicola</i> Conr. not <i>Oxygoe glabra.</i>
113	Unio complanatus Lea.		
113	nasutus Say.		
113	radiatus 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	Adeorbis costulata St.	129	var. pygmæus Gould. <i>Trytonium pygmæum</i> St.
127	Amicula vestita St. <i>Chiton Emersonii</i> Couth.	129	Helix albolabris Gould.
127	Ancylus fuscus Ad.	129	alternata Gould.
127	Anodon implicata Gould.	129	arborea Gould.
128	Anomia ephippium Linn.	129	electrina Gould.
128	var. aculeata.	129	exigua Gould.
128	squamula.	129	hortensis Gould. <i>Helix subglobosa</i> Binney.
128	Astarte castanea Gould.	129	indentata Gould.
128	quadrans Gould.	129	labyrinthica Gould.
128	sulcata Gould.	129	lineata Gould.
128	Buccinum plicosum Gould.	129	minuscule Gould.
128	undatum Linn.	129	pulchella Gould.
128	Bulimus lubricus Gould.	129	chersina Gould.
128	Bulla punctostriata St.	129	—.
128	triticea Gould.	130	Kellia rubra Gould.
128	Cemoria Noachina Gould.	130	Leda limatula St.
128	Chiton albus Gould.	130	myalis St. <i>Nucula myalis</i> Gould.
128	marginatus Gould.	130	sapotilla St. <i>Nucula sapotilla</i> Gould.
128	ruber Gould.	130	Ancylus fuscus Gould.
128	Cingula minuta Gould.	130	Limnæa columella Gould.
128	Cochloodesma Leana Couth. <i>Anatina Leana</i> Conr.	130	elodes Gould.
128	Columbella Gouldiana ? St.	130	macrostoma Gould.
129	Cumingia tellinoides Gould.	130	modicellus Gould.
129	Cyclas dubia Gould.	130	umbilicata Gould.
129	partumeia Gould.	130	Planorbis armigerus Gould.
129	Dentalium dentale Gould.	130	bicarinatus Gould.
129	Fusus decemcostatus Gld.	130	campanulatus Gould.
129	harpularius Gould.	130	deflectus Gould.
129	islandicus Gould. <i>Tritonium islandicum</i> Loven.	130	exacutus Gould.

Page.		Page.	
130	Planorbis elevatus Gould.	131	Pecten Magellanicus Gld.
130	<i>hirsutus</i> Gould.	131	Philine formosa St.
130	<i>lentus</i> Gould.	131	Pleurotoma bicarinata Gld.
130	Physa ancillaria Gould.	132	<i>violacea</i> St.
130	<i>elongata</i> Gould.	132	Pupa curvidens Gould.
130	<i>heterostropha</i> Gould.	132	Rissoa eburnea St.
130	Lucina radula Gould.	132	<i>multilineata</i> St.
131	Mactra lateralis Gould.	132	<i>pelagica</i> St. [Migh.
131	Margarita arctica Gould.		<i>Cingula semicostata</i>
131	<i>argentata</i> Gould.	132	Scalaria Grœnlandica Gld.
131	<i>obscura</i> Gould.	132	<i>Novangliæ</i> Couth.
131	<i>undulata</i> Gould.	132	Solemya velum Gould.
131	Menestho albula St.	132	Solen ensis Linn.
	<i>Pyramis striatula</i> Couth.	132	Succinea campestris Gould.
131	Mesodesma arctata Gould.	132	<i>ovalis</i> Gould.
131	Nassa trivittata Say.	132	Terebratula septen-
	<i>Buccinum trivittatum</i>		<i>trionalis</i> Gould.
131	Natica flava Gould. [Gould.	132	Teredo dilatata St.
131	<i>immaculata</i> Gould.	132	Thracia truncata Migh.
131	<i>pusilla</i> Gould. [Migh.	133	Turritella acicula St.
131	Nucula delphinodonta	133	<i>areolata</i> St.
131	Osteodesma Hyalina Gould.	133	Velutina haliotoides Möll.
131	Paludina decisa Gould.	133	<i>zonata</i> Gould.
131	Pandora trilineata 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	Unio alatus Say.	105	Unio bullatus Raf.
	<i>U. megapterus</i> Raf.		<i>U. verrucosus albus</i> Say.
105	asperimus Lea.		<i>pustulosus</i> Lea.
	<i>U. lachrynosus</i> Lea.		<i>Dorfeuillanus</i> Lea.
	<i>quadrulus</i> Say.		<i>prasimus</i> Conr.
105	anodontoides Lea.	105	cardium Raf.
	<i>U. teres</i> Raf.		<i>U. suboratus</i> Lea.
	<i>teres</i> Conr.		<i>ventricosus</i> Barnes.

Page.		Page.	
105	Unio cicatricosus Say. <i>U. varicosus</i> Lea.	105	Unio rubiginosus Lea.
105	cyphius Raf. <i>U. Esopus</i> Green.	105	rectus Lam. <i>U. praelongus</i> Bar.
105	clavus Lam. <i>U. scalenia</i> Raf. <i>modioliformis</i> Say.	106	cornutus Bar. <i>U. reflexus</i> Raf.
105	crassus Say. <i>U. ellipticus</i> Bar. <i>carinatus</i> Bar.	106	dilatatus Raf. & Conr. <i>U. gibbosus</i> Bar. <i>arctior</i> Lea. <i>nasutus</i> Lam.
105	cylindricus Say. <i>U. solenoides</i> Raf. <i>naviformis</i> Lam.	106	ebenus Lea. <i>U. mytiloides</i> Conr.
105	crassidens Lam. <i>U. cuneatus</i> Bar. <i>niger?</i> Raf. <i>soleniformis</i> Lea.	106	elegans Lea.
105	multiplicatus Lea. <i>U. heros</i> Say. <i>undulatus</i> Say.	106	foliatus Hild. <i>U. flexuosus</i> Raf.
105	nodulatus Raf. <i>U. pustulatus</i> Lea.	106	fabalis Lea. <i>U. lapillus</i> Say.
105	occidens Lea. <i>U. ventricosus</i> Say.	106	gracilis Bar. <i>U. fragilis</i> Swains.
105	Ohioensis Raf. <i>U. levissimus</i> Lea.	106	glans Lea.
105	ovatus Say. <i>U. globosus</i> Lea. <i>capax</i> Green.	106	iris Lea. <i>U. subrostratus</i> Bar.
105	olivarius Raf. <i>U. ellipsis</i> Lea.	106	irroratus Lea. <i>U. verrucosus albus</i> Hild.
105	orbiculatus Hild. <i>U. abruptus</i> Say. <i>crassus</i> Conr.	106	metanever Lea. <i>U. nodosus</i> Barnes.
105	phaseolus Hild. <i>U. planulatus</i> Lea. <i>cuneatus</i> Bar.	106	monodontus Say. <i>U. latissimus</i> Raf.
105	perplexus Lea. <i>U. gibbosus</i> Conr.	106	siliquoideus Bar. <i>U. inflatus</i> Bar.
105	Sayii Ward.	106	pyramidatus Lea.
105	plicatus Less. <i>U. rariplicata</i> Lam. <i>Peruvianus</i> Lam. <i>costatus</i> Raf.	106	subrotundus Raf. <i>U. circulus</i> Lea.
105	parvus Bar.	106	sulcatus Lea. <i>U. ridibundus</i> Say.
		106	securis Lea. <i>U. depressa</i> Raf.
		106	tenuissimus Lea. <i>U. velum</i> Say. <i>Anodonta purpurascens</i>
		106	torsus Raf. [Swains.]
		106	triangularis Bar. <i>U. formosus</i> Lea. <i>cuneatus</i> Swains.
		106	tuberculatus Bar.

Page.		Page.	
106	Unio verrucosus Bar.	106	Anodonta plana Lea.
	<i>U. tuberculatus</i> Raf.		<i>A. declivis</i> Conr.
	<i>verrucosus purpureus</i>	106	Ferussaciana Lea.
106	zig-zag Lea. [Hild.	106	exilis Lea.
106	Alasmodonta complanata		<i>A. salmonea</i> Lea.
	[Bar.	106	imbecilis Say.
			<i>A. incerta</i> Lea.
106	calceola Lea.	106	lata Raf.
	<i>Margaritana deltoidea</i>		<i>Unio dehiscens</i> Say.
106	rugosa Bar. [Lea.		<i>A. oriens</i> Lea.
	<i>A. abducta</i> Say.		
106	Anodonta grandis 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., Fror. 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, 89.

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 Fluvial 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 Fluvialile 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.
- WAILLES, 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 Danmoniensis**, 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 crieridens** 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 Fror. Not. 3 Reibe, 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 Cyrogenia.
- “ 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.