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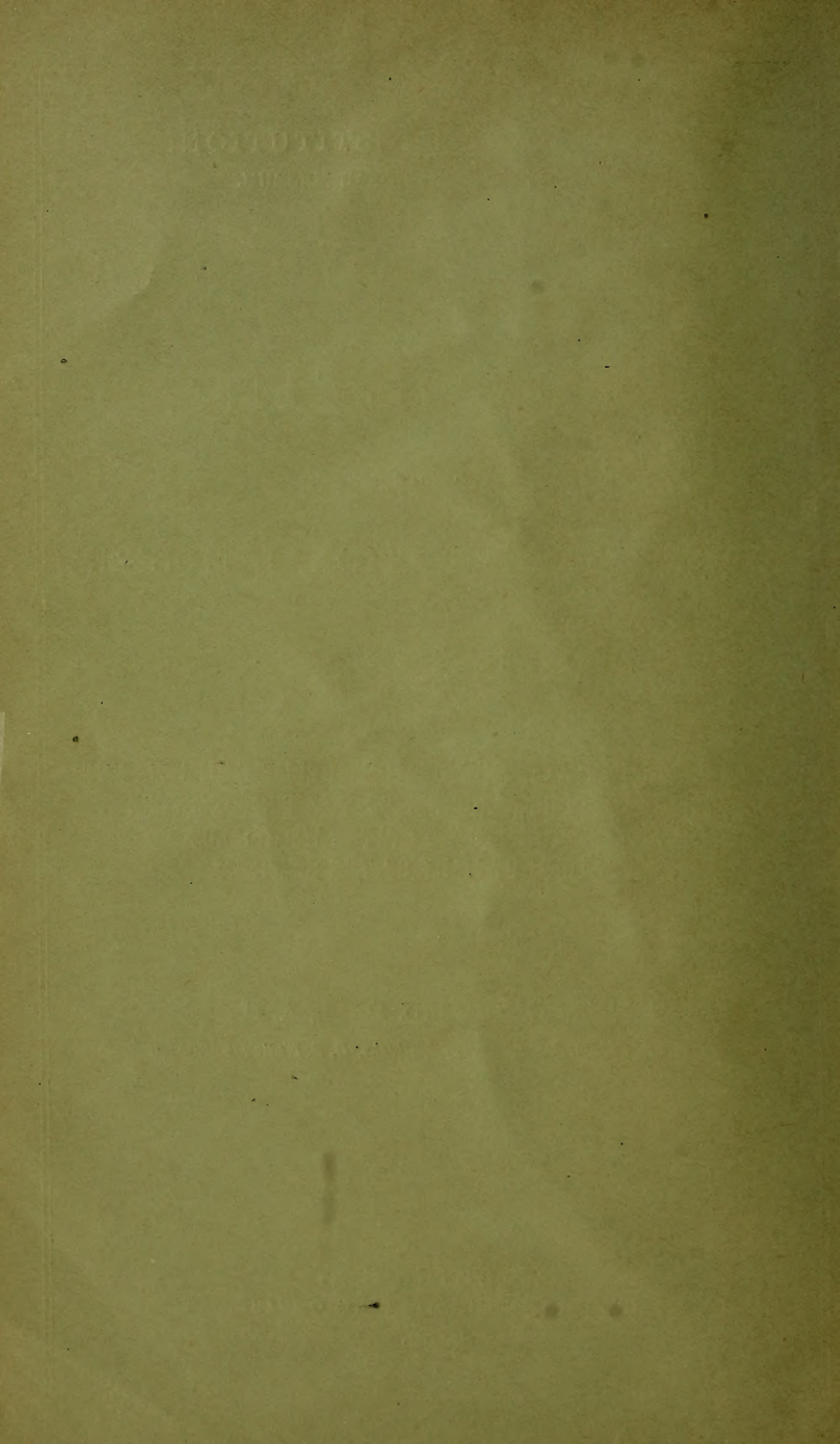
A PRELIMINARY CATALOGUE OF THE SHELL-BEARING MARINE
MOLLUSKS AND BRACHIOPODS OF THE SOUTHEASTERN
COAST OF THE UNITED STATES, WITH ILLUS-
TRATIONS OF MANY OF THE SPECIES.

BY

WILLIAM HEALEY DALL, A. M.,

Honorary Curator Department of Mollusks, U. S. National Museum.

WASHINGTON:
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ADVERTISEMENT.

The present publication (Bulletin No. 37) is the forty-eighth of a series of papers intended to illustrate the collections of natural history and ethnology belonging to the United States, and constituting the National Museum, of which the Smithsonian Institution was placed in charge by the act of Congress of August 10, 1846.

The publications of the National Museum consist of two series—the Bulletins, of which this is No. 37, in continuous series, and the Proceedings, of which the eleventh volume is now in press.

The volumes of the Proceedings are printed, signature by signature, each issue having its own date, and a small edition of each signature is distributed to libraries promptly after its publication.

Full lists of the publications of the Museum may be found in the current catalogues of the publications of the Smithsonian Institution.

Papers intended for publication in the Proceedings and Bulletins of the National Museum are referred to the Committee on Publications, consisting of the following members: T. H. Bean, A. Howard Clark (editor), Otis T. Mason, John Murdoch, Leonhard Stejneger, Frederick W. True, and Lester F. Ward.

S. P. LANGLEY,

Secretary of the Smithsonian Institution.

WASHINGTON, *May 27, 1889.*

A PRELIMINARY CATALOGUE

OF THE

SHELL-BEARING MARINE MOLLUSKS AND BRACHIOPODS

OF THE

SOUTH-EASTERN COAST OF THE UNITED STATES,

WITH ILLUSTRATIONS OF MANY OF THE SPECIES.

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INTRODUCTION.

This work is intended to assist students of the Mollusca in the United States, by bringing together for their use a large number of excellent figures of species belonging to or illustrating the fauna of the southern and southeastern coasts of the United States, from Cape Hatteras south to the Straits of Florida and west to Mexico, with the adjacent waters.

These figures are explained and connected by a catalogue of the mollusks known to inhabit that region, either from the presence of authenticated specimens in the National Museum or on the authority of reputable naturalists who have collected in the region and whose specimens have been seen or reliably identified.

This catalogue, arranged for convenience in tabular form, includes not only the species which are illustrated on the plates but all other species common to the region, as far as known.

Hitherto there has been no catalogue which covered just this ground. There are several catalogues of marine species of particular West Indian islands. There are several lists of Floridian shells, the fullest and best being that just completed in the Proceedings of the Davenport Academy of Sciences by Mr. Charles T. Simpson. These all refer, however, to a much more restricted field than the present list, and the nomenclature in some cases is more or less inaccurate, as of course must be the case with all lists, each of which, in spite of its inevitable imperfections, should show some advance over its predecessors. This is all that the writer would claim for the present catalogue, which, owing to peculiar circumstances, has been rather hurriedly decided upon and rapidly prepared.

In order that the number of columns in the table should be compressed within the space of two opposite pages and yet admit of the use of brevier type, it has been necessary to limit the number of stations in the geographical series so that each column should represent a stretch of coast and seaward from it the archibenthal area or continental slope beyond the fifty-fathom line to the oceanic floor. Then various puzzling questions arose in attempting to decide which column should be used in certain cases; as, for instance, in specimens dredged in the path of the Gulf Stream between Cuba and the Florida Keys. They might with equal propriety be assigned to the "Florida Keys" or to the "West Indies" column, or to both. In all cases the facts have been

closely adhered to, as in leaving blank the "Georgia" column when specimens had been collected only in South Carolina and East Florida, with no data for the intermediate stretch of coast. This will show the real gaps in our knowledge of the distribution, and it is to be hoped will stimulate local students to fill them up.

The extreme northern and extreme southern range are generally given. When a species has been obtained off shore, and at one locality only, the extreme is usually noted in one column only, with a leaning toward the northern column when the species is supposed to be a southern form and to the southern column when it is thought to extend from the colder area. These assignments must often be conjectural, but when clearly understood they should not be in any way misleading.

There are many unidentified species from this region in the National collection, a large proportion of which may prove to be new. In such cases the insertion of their distribution, as far as known, may lead to fuller investigation by collectors, though no specific name can be applied to them in the catalogue.

When a species whose name appears in one of the cited publications is not found in this catalogue, or is not cited from the locality to which the published authority refers it, the reader may infer that either the prior identification is here regarded as inaccurate, or, more generally, that the prior name is not entitled to be used.

In many cases the full explanation for such changes will be found in the Report on the Blake Mollusca, but in the present catalogue it has been quite impracticable, as well as undesirable, to attempt any synonymy.

The writer has attempted to steer a middle course between overdivision of large natural groups and the conservatism which confounds unlike things together. It is not to be expected that his decisions will be universally acceptable or satisfactory, since there are "many men, many minds" in biology as well as worldly affairs.

In practice, to be a good systematic malacologist requires much study and a wide knowledge of the literature. It is no longer possible in systematic conchology for a student to acquire facility without a good library and long practice. One may be a good naturalist and do valuable work for science, however, without being a systematist, and the field of work is so vast that the earnest worker may keep himself employed in almost any district south of Sandy Hook. The writer has found a reasonable amount of subdivision of the familiar genera of use in clear thinking and in endeavoring to formulate accurately the facts of nature. Subgenera and sections have therefore been introduced into the catalogue, to be used or discarded as the reader may prefer.

Some groups have been pretty thoroughly investigated and the subdivisions may be named with confidence, and have therefore been inserted. In other cases a thorough revision is yet to be made and the subdivisions can not be named with confidence, and, therefore, are to a

great extent omitted. This list approximately represents our present knowledge, both in its acquirements and its defects, and is intended as a help toward something better and not in any sense as a finality in nomenclature or distribution.

We may now proceed to an explanation of the form and scope of the Tables.

Taking the columns serially, the first carries a serial number useful for check-list and exchange purposes. Then follows the name and authority. Then comes a column referring to the number of the plate or plates, and another for the numbers of the figures. As the figures on most of the plates are drawn to very different scales, a column is inserted, giving the maximum length, axial in Gastropods, antero-posterior in Pelecypods, of the specimen in millimeters. One millimeter is practically one twenty-fifth, or four one-hundredths, of an inch, so that for those unaccustomed to the metric system there is little difficulty in reducing the millimeters to fractions of an inch.

When no dimension is given in the column it will be understood that the figure, if any, is of the size of nature; or that its magnification or diminution is stated on the plate itself, or represented there by a line or other conventional sign.

The next column states the range in depth as far as known of each species in the form of a fraction, the least depth forming the numerator and the greatest observed depth the denominator. Where a zero occurs it indicates that the species is found at low-water mark. The maximum and minimum are selected from the whole range, domestic or exotic, recorded for the species in question. When no depth is stated it will be understood that the species is supposed to inhabit the shallow water near shore or between tides.

This is succeeded by a column in which the extreme northern limit, locality, or region of the species referred to is recorded. When this relates to a locality within our special region there will seem sometimes to be a discrepancy; as, for instance, when a species appears as present in the "Hatteras" column, while in the "northern extreme" column Charleston, S. C., will be found. But, as will be immediately shown, Hatteras in the heading of the column does not mean a locality but a district, extending from Savannah, Georgia, to Cape Hatteras, North Carolina, so that the discrepancy is only apparent. In the off-shore dredgings it has been practicable sometimes to give only the latitude, or a general term such as "Arctic seas," to indicate the northernmost distribution of a species, since there has been no adjacent landmark to cite for northern limit. When a species has its northern limit on the rich archibenthal grounds off Block Island and the Vineyard, or Nantucket, I have indicated this by "Rhode Island" in the column, since this sufficiently guides foreign students who might be puzzled by the other names so much less apt to be found on small-scale maps of our eastern coast. The data for such species will be found chiefly in the

papers on material gathered by the U. S. Fish Commission, contributed by Prof. A. E. Verrill to the Transactions of the Connecticut Academy of Sciences, to the American Journal of Science, and to the Reports of the U. S. Fish Commissioner for 1871-'72 and 1883.

Then follow ten columns, each representing a district, as follows :

1. *New Jersey* (N. J.). This includes the coast and adjoining archibenthal area from the entrance of Chesapeake Bay to Sandy Hook at the south point of entrance to New York Bay and Harbor.
2. *Virginia* (Va.). This includes the coast, etc., from Cape Hatteras, North Carolina, to the mouth of Chesapeake Bay.
3. *Hatteras* (Hat.). This district extends from the mouth of the Savannah River, Georgia, to Cape Hatteras, North Carolina, with the adjacent archibenthal area.
4. *Georgia* (Ga.). At Cape Canaveral, Florida, the path of the Gulf Stream seems to diverge more from the main coast than previously. It seems that a good many southern species do not reach farther north on the shores than Cape Canaveral. Therefore this district from Cape Canaveral to the Savannah River has been separated from the one that I have called East Florida.
5. *East Florida* (East Fla.). This includes the region between Biscayne Bay and Cape Canaveral.
6. *Florida Keys* (Fla. Keys). This region, very intimately connected, faunally, with the northern shores of Cuba opposite, and with the Bahamas, includes the region south of Biscayne Bay on the east, and south of the southern entrance to Charlotte Harbor on the west side of the Peninsula, to and including the Keys and Tortugas reefs and islands.
7. *West Florida* (West Fla.). This includes the region north of the south entrance to Charlotte Harbor and westward to the Mississippi delta along the shore and the archibenthal area of the Gulf of Mexico westward from the peninsula to west longitude 90° , and southward to the trough between Cuba and Florida.
8. *Texas* (Tex.). In this district I include the shores of the United States from the Mississippi delta to the Rio Grande and the archibenthal area southward from it in the Gulf of Mexico to Yucatan.
9. *West Indies* (West Ind.). In this district, for want of space on the page, I have been obliged to include all of the Antilles, the Bahamas, and the shores and islands of the Caribbean Sea. The particular southern extension of a species not known to extend throughout this area will be indicated by the entry in the "southern limit" column. No species not figured on the plates, or common to the coast of the United States, is admitted in the catalogue, so that the West Indian or Antillean fauna properly so-called is almost wholly excluded from this enumeration. Some few species, which are strictly Antillean, as far as known, are included because it was necessary to refer to their figures on the plates, but the distribution as recorded in the table will enable any one desiring to discuss the purely North American species to identify and exclude these extra-limital forms without difficulty. To make the distinction more apparent their names appear in italics in the catalogue.
10. *Bermuda*. The island of Bermuda and its associated reefs is intimately allied by its mollusk fauna to the region of the Florida Keys and Northern Antilles. A column has therefore been provided for it.

A few species common to our southern coast are also found without essential modification still living on the west coast of Central America,

Mexico, or California. These forms are very interesting, as most of the species originally common to both have developed special modifications since the separation of the two oceans, so as to be entitled to separate specific names.

A column (West. Am.) is devoted to recording those found on both sides of the continent yet which still remain essentially unchanged, and another (Eur.) to those whose range extends to European shores.

Another column is devoted to the southern extreme limit (as far as known) of the species enumerated in the catalogue, corresponding on the south to the column for northern limit on the north. Many Antillean species extend on the Brazilian coast far south of Cape San Roque, but our records for this region are very imperfect, and many of the items in this column are due to the data obtained by the U. S. Fish Commission steamer *Albatross* on her voyage from the Chesapeake Bay around to California via the Straits of Magellan only a year ago.

A column records the oldest known appearance of a species in geological time. This column is very imperfect and inadequate to express the real state of the case, since many of our recent species have been described from our southern tertiaries under other names, and the duplication thus occasioned, except in a comparatively small number of species, still remains to be worked out. It was thought well, however, to make a beginning in the matter in this instance.

This completes our description of the table, which will enable any one to use the latter intelligently and without misconception.

In making entries in the columns showing distribution an asterisk shows that the species is known from that region from the shores, either picked up on the beach or found living between high water and fifty fathoms, or that the depth it inhabits is not known but is supposed to be small. In cases where the species is recorded from the archibenthal area only, say 50 to 800 fathoms, its presence is indicated by a dagger point in the column. When both an asterisk and a dagger point are found in a single column the species is supposed to occur, or is recorded as obtained, both in shallow and in deep water, within the limits of that region or district. Many southern species, found in the cool water of the deeps in the south, approach the surface in the cooler surface waters of their northern range. *Vice versa*, we find northern littoral species seeking the deeps as they approach the limits of their southern range. A glance at the columns frequently will illustrate these facts.

The data from which the tables which form the bulk of this publication have been compiled are chiefly comprised in the collections of the U. S. National Museum, the Museum of Comparative Zoology in Cambridge, Mass., and the publications of the writer on these collections. The works in which detailed information has been chiefly sought are specified on another page, but the most important for this purpose has been the Report on the Blake Brachiopoda, Pelecypoda,

Gastropoda, and Scaphopoda, published in two parts by the Museum of Comparative Zoology, under the direction of Prof. Alexander Agassiz. The generosity of Professor Agassiz in permitting the use of plates prepared for that report was decisive in insuring the preparation of this list. Other plates are made up of figures which have appeared in the annual reports of the U. S. Commissioner of Fish and Fisheries; in the Proceedings of the National Museum; the edition of Gould's Invertebrata of Massachusetts, edited by Mr. W. G. Binney; Professor Verrill's and Miss Bush's papers in the Transactions of the Connecticut Academy of Sciences; and the publications of the British Museum. For the use of these cuts we are indebted chiefly to the Smithsonian Institution and the U. S. Commissioner of Fisheries, Col. Marshall Macdonald.

In including or omitting groups of mollusks in this catalogue the compiler has necessarily been guided by convenience rather than systematic completeness. Some groups, such as the Nudibranchiata, are so imperfectly known from the region south of New England that it becomes imperative that they should be entirely omitted. An attempt to include them would certainly have been more likely to retard than to advance the progress of science. For the same reason partly, and partly because it is impracticable to reproduce the figures, the entire group of Cephalopoda, except the Argonaut and Spirula, has been left out. Those who desire to study these difficult animals are referred to Professor Verrill's excellent reports upon the subject in the Bulletin of the Museum of Comparative Zoology and the Transactions of the Connecticut Academy of Sciences. The two exceptions are included merely because of one we have an excellent figure, and the shell of the other is frequently obtained by collectors on our southern shores.

Among those animals which frequent the sea-shore and are often found in as well as near the water, though really air-breathers, the *Auriculidæ*, *Siphonariidæ*, and *Gadiniidæ* can almost be regarded as marine. Having good figures of some of them and desiring to err, if at all, on the side of convenience to the amateur collector or beginner in conchology, they have been included in our list. For the same reason *Neritina*, *Cyrena*, etc., have been inserted even when not strictly salt-water species.

The Pteropods, of the sea off our coasts, are rarely found by collectors, and the nomenclature is not in a satisfactory state. Still it was thought best to include a list of the species taken, with some additions, chiefly from Professor Verrill's papers, though completeness or entire accuracy is not claimed for it. The Heteropods, except *Atlanta Carinaria* and *Oxygyrus*, are not included.

It will be seen from these explanations that the present catalogue is a working list for the benefit of collectors and students, rather than a scientific treatise or thoroughly revised enumeration of the mollusk fauna. Indeed it is in its quality of a stepping-stone to the latter that

such value as it may possess inheres. Experience has shown that check-lists, however imperfect in themselves, are extremely useful in stimulating faunal research, and it is in the hope that this result will be secured that the compiler finds his chief return for the labor and time expended upon a confessedly imperfect production.

Having been for some time engaged in a revision of the general system for the classification of Pelecypods, which will shortly appear in print, the revised classification has been used in the List of Pelecypoda, Table II, as far as it is applicable thereto.

The writer is under particular obligations to Prof. Alexander Agassiz, as already stated, and also to Professor Verrill and Miss Bush for the use of drawings and for an unpublished list of shallow-water mollusks obtained near Cape Hatteras, which has added to our list several species and confirmed several others about which I had felt some doubt. The different sources of the figures will be found acknowledged under the "Explanation of the Plates" in each case.

In conclusion, the writer expresses his obligation to the gentlemen whose writings have been laid under contribution; to all who have facilitated his endeavors to form a representative collection of this mollusk fauna, for the use of students in the National collection; and to Dr. R. E. C. Stearns, of the U. S. Geological Survey, for invaluable personal assistance. The compiler solicits correspondence from all interested, toward the improvement of this catalogue and especially series of the local shells from any point on the coast which may shed light on the geographical distribution of the species. Such correspondence or material may be addressed to the Curator of the Department of Mollusks at the U. S. National Museum, Washington, D. C., or in care of the Smithsonian Institution.

WASHINGTON, *May* 15, 1889.

LIST OF WORKS REFERRED TO FOR THE GEOLOGICAL OR GEOGRAPHICAL DISTRIBUTION OF SPECIES CITED IN THIS CATALOGUE, OR CONTAINING ENUMERATIONS OF LOCAL FAUNÆ INCLUDED IN THE GENERAL REGION TO WHICH THIS CATALOGUE RELATES.

Adams (Charles Baker). *Specierum novarum conchyliorum in Jamaica repertorum synopsis.*

In Boston Society of Natural History; Proceedings. Boston, the society, 1845. Vol. II, pp. 1-17, Jan., 1845. 8°.

—— Contributions to conchology. New York, H. Baillièrè, Oct. 1849–Nov. 1852.

Vol. I, iv, 258 pp. 8°. This was published in short, carefully dated parts, the dates of which it seems unnecessary to cite.

—— Monograph of *Vitrinella*, a new genus of new species of Turbinidæ. Amherst, Mass., the author, Feb., 1850.

10 pp. 8°.

American Journal of Conchology, edited by George W. Tryon, jr. Philadelphia, G. W. Tryon, jr. 1865–1866.

2 vols. 8°. Also:

—— The same. Philadelphia, Conchological Section of the Academy of Natural Sciences, 1867–1872.

5 vols. 8°.

Arango y Molina (Rafael). *Contribucion á la fauna malacológica Cubana.* Habana, G. Montiel y Comp., 1878.

Pp. 280, 35. 8°. This work was first printed in the *Anales de la Real Academia de Ciencias Médicas, Físicas y Naturales de la Habana*, beginning in March, 1878; to signature 3, May 15, 1878; to signature 12, January 15, 1879; to signature 14, February 15, 1879; to signature 15, April 15, 1879; to signature 17, June 15, 1879; and the remainder July 15, 1880, with a separately paged index.

Beau (Commandant). *Catalogue de coquilles recueillies à la Guadeloupe et ses dépendances.* Par M. Beau, chef de bataillon d'infanterie de la marine. Précédé d'une introduction par M. P[aul] Fischer. Paris, Paul Dupont, 1858.

Pp. 27. 8°. Ext. de la *Revue Coloniale*. 8°. Paris, Paul Dupont, Déc. 1857. Title on cover.

Binney (William G.). *Bibliography of North American conchology previous to the year 1860.* Washington, the Smithsonian Institution, 1863–1864.

2 v. Vol. I, viii, 650 pp.; vol. II, iv, 298 pp. 8°. This is Smithsonian Miscellaneous Collections No. 174. From the titles contained in it a large number of references might have been cited, where but a few species are mentioned in a given publication, but the numerous papers of this sort are not separated here, as they would have tended to unduly swell the limits of this bibliography without any corresponding gain. (See also Gould, A. A.)

Boston Journal of Natural History, containing papers and communications read to the Boston Society of Natural History, 1834[-]1863, published by their direction. Boston [various publishers], for the society, 1834-1863.

7 vols. 8°.

Bush (Katherine J.). Additions to the shallow-water mollusca of Cape Hatteras, N. C., dredged by the U. S. Fish Commission steamer *Albatross* in 1883 and 1884.

In Transactions Connecticut Academy of Sciences, New Haven, Conn., vol. VI, pp. 453-480, pl. xlv. June, 1885.

— List of deep-water Mollusca dredged by the U. S. Fish Commission steamer *Fish Hawk* in 1880, 1881, and 1882, with their range in depth.

In Annual Report U. S. Commissioner of Fisheries for 1883. Washington, Government Printing Office, 1885. 8°. Pp. 701-727.

Calkins (William W.). Marine shells of Florida.

Ext. Davenport Academy of Natural Sciences; Proceedings. Davenport, Iowa, the society, 1878. Vol. II, pp. 232-252, pl. viii. 8°. Extract, with bastard title repeated on cover; pagination of original preserved. Slips with addenda were issued by the author on several occasions. This catalogue is partly a compilation. The new or specially interesting species are quoted by Dall (Hemphill's Shells, *q. v.*).

Conchologist's Exchange (The). Edited by William D. Averell. Philadelphia, the editor, 1886-1888.

Vol. I, No. 1, was printed on a postal-card, July, 1886. Nos. 2 to 12, and vol. II, Nos. 1 to 8, were issued in small quarto, the printed form 4½ by 6 inches, in two columns. The last number was dated "March and April, 1888," and appeared about April 30. This publication then suspended and was succeeded by the "NAUTILUS" (*q. v.*) in May, 1889.

Conrad (Timothy Abbott). Fossil shells of the Tertiary formations of North America. Illustrated by figures drawn on stone from nature. Vol. 1. Philadelphia, 1832. 8°. Plates.

[First edition.] Part I, pp. 1-20, pl. 1-6, Oct. 1, 1832.

Part II, pp. 21-28, pl. 7-14, Dec., 1832. A note by the author on the fourth page of the cover.

Part III, pp. 29-38, Aug., 1833. There is a note on the cover about the plates, but none were issued with this part.

Part IV, pp. 39-46, Oct., 1833. On the fourth page of cover there is a note dated November 1, 1833.

[Second edition.] Pp. 29-56, pl. 15-18; a colored map of Alabama, title-page, March 1, 1835. This was issued with Parts I and II of the first edition.

— Fossils of the Tertiary formations of the United States. Illustrated by figures drawn from nature. Philadelphia, J. Dobson, 108 Chestnut street. E. G. Dorsey, printer, 1838. 8°. Plates.

Part I. Introduction, pp. v-xvi; text, pp. 1-32; pl. 1-17. Jan., 1838. The fourth page of cover has descriptions of four species upon it.

Part II, pp. 33-56, pl. 18-29, May 7, 1840. Three pages of the cover have descriptions of species printed upon them, including the four descriptions from the cover of Part I.

Part III, pp. 57-89, pl. 30-49, Jan., 1845. Nothing but the title printed on cover,

Conrad (Timothy Abbott)—Continued.

This work is often quoted as "Conrad's Fossils of the Medial Tertiary." The dates are determined by manuscript notes of the author, for details in regard to which I am indebted to a note in the *American Naturalist* for July, 1888, by Dr. Otto Meyer.

— Descriptions of new species of fossil and recent shells and corals.

In Academy of Natural Sciences of Philadelphia; Proceedings, vol. III, pp. 23-27, pl. 1-2, Feb., 1846.

— Descriptions of two new genera and new species of recent shells, etc.

In Academy of Natural Sciences of Philadelphia; Proceedings, vol. IV, p. 121, Dec., 1848.

— Synopsis of the genus *Cassidula* Humphrey and of a proposed new genus, *Athleta*.

In Academy of Natural Sciences of Philadelphia; Proceedings, vol. VI, pp. 448-449, Dec., 1853.

— Notes on shells, with descriptions of three recent and one fossil species.

In Academy of Natural Sciences of Philadelphia; Proceedings, vol. VII, pp. 31-23, March, 1854.

— Description of a new genus of the family Dreissenidæ.

In Academy of Natural Sciences of Philadelphia; Proceedings, new series, 1857, p. 167.

— Descriptions of new fossil and recent shells of the United States.

In Journal of the Academy of Natural Sciences of Philadelphia, new series, vol. I, Part III, pp. 207-209, 280, pl. xxxix.

— Observations on the geology of a part of East Florida, with a catalogue of recent shells of the coast.

In American Journal of Science. New Haven, B. Silliman and J. D. Dana, 1846. New series, vol. II, pp. 36-45, 393-398, 1846.

Coues (Elliott, M. D.). Notes on the Natural History of Fort Macon, N. C., and Vicinity.

In Academy of Natural Sciences of Philadelphia; Proceedings of, 1871, pp. 120-148. This includes a synopsis of the species collected, and enumerates the species collected earlier by Dr. William Stimpson, but which were not found by Dr. Coues. A supplementary list appears in the same Proceedings for 1878, pp. 301-303.

Dall (William Healey). Reports on the results of dredging, under the supervision of Alexander Agassiz, in the Gulf of Mexico and in the Caribbean Sea, 1877-'79, by the U. S. Coast Survey steamer *Blake*, Lieutenant-Commander Sigsbee, U. S. N., and Commander J. R. Bartlett, U. S. N., commanding. xv. Preliminary report on the Mollusca. Bulletin of the Museum of Comparative Zoology at Harvard College. Cambridge, for the Museum, July-December, 1881.

Vol. IX, No. 2, pp. 33-144. 8°. This publication, separately issued as a bulletin, with title on cover, appeared originally in signatures as follows: Pp. 33-48, July 12, 1881; pp. 49-64, Aug. 12, 1881; pp. 65-80, Aug. 25, 1881; pp. 81-96, Sept. 26, 1881; pp. 97-112, Oct. 31, 1881; pp. 113-128, Nov. 26, 1881; pp. 129-144, Dec. 5, 1881,

Dall (William Healey). On certain Limpets and Chitons from the deep waters off the eastern coast of the United States.

In U. S. National Museum; Proceedings. Washington, the Museum, April 24, 1882. Vol. v, pp. 400-414. 8°.

— On a collection of shells sent from Florida by Mr. Henry Hemphill.

In U. S. National Museum; Proceedings. Washington, the Museum, Dec., 1883. Vol. vi, pp. 318-342, pl. x. 8°. The new or specially interesting species signalized by Calkins and Melvill (*q. v.*) are enumerated in this article, besides those sent by Hemphill.

— Notes on some Floridian land and fresh-water shells, with a revision of the Auriculacea of the eastern United States.

In the same. Vol. viii, pp. 255-289, pl. xvii, xviii, July, 1885.

— Bulletin of the U. S. Geological Survey, No. 24. List of the marine mollusca, comprising the Quaternary fossils and recent forms from American localities between Cape Hatteras and Cape Roque, including the Bermudas.

Washington, Government Printing Office, 1885. 336 pp. 8°. This publication is essentially an index to the literature relating to the region specified, without synonymy, alphabetically arranged, and accompanied by a short bibliography of the literature referred to, and indications of the geographical range of the species cited.

— Bulletin of the Museum of Comparative Zoology, at Harvard College. Vol. xii, No. 6. Reports on the results of dredging, under the supervision of Alexander Agassiz, in the Gulf of Mexico (1877-'78), and in the Caribbean Sea (1879-'80), by the U. S. Coast Survey steamer *Blake*, Lieutenant-Commander C. D. Sigsbee, U. S. N., and Commander J. R. Bartlett, U. S. N., commanding. XXIX. Report on the Mollusca by W. H. Dall. Part I. Brachio-poda and Peleceypoda.

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492 pp., plates x-xl. 8°.

— Contributions to the Tertiary fauna of Florida, with especial reference to the Miocene siliceous beds of Tampa and the Pliocene beds of the Caloosahatchie River.

In Transactions of the Wagner Free Institute of Science of Philadelphia, 1889. Folio, with plates. [In press.]

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144 pp. 4°. 45 pl.

Folin (Léopold, Marquis de). On the mollusca of H. M. S. *Challenger* expedition. The Cæcidæ, comprising the genera *Parastrophia*, *Watsonia*, and *Cæcum*. With a prefatory note by the Rev. Robert Boog Watson, B. A., F. R. S. E., F. L. S., etc.

Ext. Zool. Soc. London; Proceedings for 1879, with bastard title. London, the Society, 1880. Pp. 806-812. 8°.

——— Report on the Cæcidæ collected by H. M. S. *Challenger* during the years 1873-1876.

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Gould (Dr. Augustus Addison). Descriptions of new genera and species of shells.

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——— *Otia conchologica*. Boston, Gould & Lincoln, 1862.

256 pp. 8°.

——— Report on the invertebrata of Massachusetts, published agreeably to an order of the legislature. Second edition, comprising the mollusca. Edited by W. G. Binney. Boston, Wright & Potter, 1870.

Royal 8°. viii, 524 pp., plates xvi-xxvii, and 405 cuts in the text. The copies of this work, distributed by Dr. Gould's family, have a two-page sketch of his life inserted after Mr. Binney's prefatory remarks.

Gundlach (Don Juan). *Apuntes para la fauna Puerto-Riqueña. Quinta parte. B. Molluscos marinos*.

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Guppy (R. J. Lechmere). First sketch of a marine invertebrate fauna of the Gulf of Paria and its neighborhood.

In Scientific Association of Trinidad; Proceedings. PortofSpain, J. Wulff; London, Trübner, Dec., 1877. Vol. II, Part XI, pp. 134-157. 8°.

Guppy (R. J. Lechmere). On the West Indian Tertiary fossils.

In Geological Magazine, decade II, vol. I, Nos. 9 and 10, Sept. and Oct., 1874, pp. 433-454, pl. xvi-xviii. Also a supplement of one page, from the same, Jan., 1875. Extras repaginated and issued with the plates and supplementary leaf, with title "West Indian Tertiary fossils" on cover. Total pp. 22. 8°. London, Trübner, 1874.

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Heilprin (Prof. Angelo). Explorations on the west coast of Florida and in the Okeechobee Wilderness.

In Transactions of the Wagner Free Institute of Science of Philadelphia, vol. I, No. 1, pp. 1-134, May, 1887. Sm. folio, with plates 1-19.

This contains the descriptions of many new species of Tertiary fossils from West Florida, besides other matters of interest.

Higgins (Rev. Henry H.) [and **Marratt** (Frederick P.)]. Free public library, museum, and gallery of art of the borough of Liverpool. Museum report No. 1. Mollusca of the Argo expedition to the West Indies, 1876. Liverpool, D. Marples & Co. [1878].

20 pp. 8°. 1 pl. An important contribution to the geographical distribution of mollusca in the West Indies. The species were chiefly identified by Mr. Marratt.

Holmes (Prof. Francis S.). Post-pleiocene fossils of South Carolina. Charleston, S. C., Russell & Jones, 1858-1860.

vi, 122 pp., xxviii pl. 4°. See also TUOMEY and HOLMES. This work was published in 16 parts, of which 98 pages and 14 plates are devoted to invertebrates. The remainder, an account of the vertebrate fossils, is by Dr. Joseph Leidy, and partly relates to the Eocene formation. In neither this nor the Pliocene volume are the unpaginated sheets with plate references counted above as pages.

Jahrbücher der deutschen malakozoologischen gesellschaft. Redigirt von Dr. W. Kobelt. Frankfurt am Main, Johannes Alt, 1874-1878.

6 vols. 8°. Also:

—— The same. Frankfurt am Main, Alt & Neumann, 1879.

1 vol. 8°. Also:

—— The same. Frankfurt am Main, Moritz Diesterweg, 1880-1888.

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Jones (J. Matthew, F. L. S.). Contributions to the natural history of the Bermudas. Part I. Mollusca.

In Nova Scotian Institute of Natural Science; Transactions. Halifax, the Society, 1864. Vol. II, Part II, pp. 14-26. 8°.

Journal de Conchyliologie, comprenant l'étude des animaux, des coquilles vivantes et des coquilles fossiles. Publié sous la direction de M. Petit de la Saussaye. Paris, the editor, 1850-1853.

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——— **Index général et systématique des matières contenues dans les vingt premiers volumes du Journal de Conchyliologie [etc.]**, 1850-1872. Paris, H. Crosse, 1878.

1 vol., viii, 200 pp. 8°.

[Krebs (Henry).] **The West Indian marine shells, with some remarks.** A manuscript printed for circulation between collectors. By * * *. [Kjöbenhavn.] Printed by W. Laubs' widow and Chr. Jørgensen, Nykjöbing, Falster, 1864.

3 prel. l. unp., 137 pp. 12°. The following mention of the circumstances attending the printing of this extremely rare, anonymously issued, yet scientifically valuable pamphlet occurs in a letter from the author, dated Dec. 1, 1884: "I beg to inform you that the [above pamphlet] was only printed in 20 copies, of which 3 were, according to law, delivered to the public libraries [of Copenhagen], 7 were lost in transmitting them to St. Thomas, 3 went to the universities of Sweden and Norway, and a few [were] given to friends." "Consequently there are none for sale. My friends tease me that the book is the costliest they know, on account of a copy has been sold in Altona, at auction, for 10 Rd." A copy presented by the author to Mr. Thomas Bland, and given by that gentleman to Mr. John H. Redfield, has, with great liberality, been presented by the latter to the library of the U. S. National Museum.

——— **Remarks on some species of West Indian marine shells in the museum of Amherst College.**

In Lyceum of Natural History of New York; *Annals*. New York, the society, 1866. Vol. VIII, 1866, pp. 394-398. 8°.

——— **Catalogue of marine mollusks collected in the Bahama Islands in November, 1866.**

In Lyceum of Natural History of New York; *Annals*. New York, the society, 1866. Vol. VIII, 1866, pp. 427-431. 8°.

Kurtz (Lieut. John D.). **Catalogue of recent marine shells found on the coasts of North and South Carolina.** Portland, David Tucker, 1860.

9 pp. 8°. See also STIMPSON and KURTZ.

Magasin de zoologie. Première année, première partie, classe v. Mollusques. Planches 1 à 40. Paris, Lequien fils, 1831.

42 l. unp., 40 pl. 8°. Also:

——— **Journal destiné à établir une correspondance entre les zoologistes de tous les pays et à leur faciliter les moyens de publier les espèces nouvelles ou peu connues qu'ils possèdent.** Publié par F. E. Guérin-Méneville [etc.]. Deuxième section. Mollusques et zoophytes. Paris, A. Bertrand, 1831-1839.

2 vols. Vol. I [texte], 206 l. unp.; vol. II [planches], 119 pl. 8°. Also:

Magasin de zoologie, d'anatomie comparée et de paléontologie: recueil destiné à faciliter aux zoologistes de tous les pays les moyens de publier leurs travaux, les espèces nouvelles qu'ils possèdent, et à les tenir surtout au courant de nouvelles découvertes et des progrès de la science, par M. F. E. Guérin-Méneville, Deuxième section.

Magasin de zoologie, d'anatomie comparée et de paléontologie—Cont'd.
Mollusques et zoophytes. Années 1839 à 1844. Paris, veuve Bertrand, 1844.

2 vols. [Texte] 250 l. unsp. 8°. [Planches] iv pp., 150 pl. 8°. This publication seems to have been printed with leaves numbered only to correspond with the plates or with the separate articles, which were afterward divided up in sections, each class being bound and sold separately.

Malakozoologische Blätter. Als Fortsetzung der Zeitschrift für Malakozoologie. Herausgegeben von Karl Theodor Menke, in Pymont, und Dr. Louis Pfeiffer, in Cassel. Cassel, Theodor Fischer, 1854–1862.

8 vols. 8°. Also:

—— The same. Herausgegeben von Dr. Louis Pfeiffer, in Cassel. Cassel, Theodor Fischer, 1862–1872.

10 vols. 8°. Also:

—— The same. Herausgegeben von Dr. Louis Pfeiffer, in Cassel, und Dr. W. Kobelt, in Schwanheim. Cassel, Theodor Fischer, 1872–1874.

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—— The same. Herausgegeben von Dr. Louis Pfeiffer, in Cassel, Cassel, Theodor Fischer, 1875–1877.

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—— Dr. Ludwig Pfeiffer's malakozoologische Blätter für 1878. Fortgesetzt von S. Clessin. Cassel, Theodor Fischer, 1878.

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—— Malakozoologische Blätter. Als Fortsetzung der Zeitschrift für Malakozoologie. Herausgegeben von S. Clessin. Neue Folge, erster[–zehnter] Band. Cassel, Theodor Fischer, 1879–1888.

10 vols. 8°. The earlier volumes of this series carried the date of issue on each signature. Later volumes are without it, and there is no means of determining the date of issue, which often was not within the year to which the volume ostensibly refers.

Melvill (James Cosmo, A. M., F. L. S.). List of the mollusca obtained in South Carolina and Florida, principally in the island of Key West, 1871–1872.

In *Journal of Conchology*. Leeds, J. Taylor, 1881. Vol. III, Nos. 5, 6, pp. 155–173. 12°. This catalogue contains many erroneous identifications.

Mörch (Otto Andreas Lowson). Catalogue of the West India shells in the collection of Dr. C. M. Poulsen, Kastanievej 5, Copenhagen. Copenhagen, Bianco Luno, 1878.

16 pp. 8°.

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1 vol. sm. 8°. Also:

—— The same. Frankfurt am Main, J. D. Sauerländer, 1870–1871.

2 vols. 8°. Also:

Nachrichtenblatt, etc.—Continued.

—— The same. Redigirt von Dr. W. Kobelt. Frankfurt am Main, J. D. Sauerländer, 1872.

1 vol. 8°. Also:

—— The same. Redigirt von Dr. W. Kobelt und D. F. Heynemann. Frankfurt am Main, Johannes Alt, 1873.

1 vol. 8°. Also:

—— The same. Redigirt von Dr. W. Kobelt. Frankfurt am Main, Johannes Alt, 1874–1877.

4 vols. 8°. Also:

—— The same. Frankfurt am Main, Alt & Neumann, 1878–1879.

2 vols. 8°. Also:

—— The same. Frankfurt am Main, Moritz Diesterweg, 1880–1888.

9 vols. 8°.

Nautilus (The). A journal devoted to the interests of conchologists. Established in 1886 as "The Conchologist's Exchange." Vol. III[1], No. 1, May, 1889. Philadelphia, published monthly by H. A. Pilsbry and W. D. Averell. 8°. 1889.

The first issue under the above title, cited above, comprises iv, 12 pp.

Norman (Rev. A. M.). Presidential address delivered at the annual meeting of the Tyneside Naturalists' Field Club, May 27, 1881, with appendices on the fauna of the abysses of the ocean. Newcastle-upon-Tyne, John Bell, 1883.

8°. 68 pp. Appendix C contains a list of all the animals at that time recorded as obtained from the North Atlantic Ocean at a greater depth than 1,000 fathoms.

Pelseneer (Paul, D. Sc.). The voyage of H. M. S. *Challenger*. Zoology. Report on the Pteropoda. Part I. The Gymnosomata.

In "*Challenger Reports*," vol. XIX, pp. 1–74, plates i–iii. London, 1887. 4°.

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Pfeiffer (Dr. Louis.) Bericht über die ergebnisse meiner reise nach Cuba im winter 1838–'39.

In Wiegmann's Archiv für Naturgeschichte, 1839, vol. I, pp. 346–358.

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Ravenel (Dr. Edmund). Catalogue of the recent and fossil shells in the cabinet of the late Edmund Ravenel. Charleston, S. C., Walker, Evans & Cogswell, 1875.

68 pp. 12°.

Roemer (Dr. Ferdinand). Texas; mit besonderer rücksicht auf deutsche auswanderung und die physischen verhältnisse des landes nach eigener beobachtung geschildert; mit einem naturwissenschaftlichen anhang. Bonn, Adolph Marcus, 1849.

xvi, 464 pp. 8°. 1 map. List of new species in Binney's Bibliography N. Am. Conchology, Part II, pp. 11–12.

Say (Thomas). The complete writings of Thomas Say on the conchology of the United States. Edited by W. G. Binney. New York, H. Baillière, 1858.

8°. vi, 252 pp., pl. i-lxxv.

A reprint of Say's scattered papers and descriptions.

Simpson (Charles Torrey). Contributions to the mollusca of Florida.

In Davenport (Iowa) Academy of Natural Sciences; Proceedings of, vol. v, pp. 45-72, 63*-72*. 8°. Pages 45-48 appeared Aug. 25, 1887; pages 49-56, Nov. 4, 1887; pages 57-72, Feb., 1889, and the remainder in March, 1889.

Smith (Edgar Albert, F. Z. S.). The voyage of H. M. S. *Challenger*. Zoology. Report on the Lamellibranchiata collected by H. M. S. *Challenger* during the years 1873-1876.

In "Challenger Reports," vol. XIII, pp. 1-341, plates i-ixxv. London, 1885. 4°.

Stearns (Robert Edwards Carter). Descriptions of new species of marine mollusks from the coast of Florida.

Ext. Boston Society of Natural History; Proceedings, vol. xv, pp. 21-24, Jan. 17, 1872. 8°. 4 pp.

——— On a new species of *Pedipes* from Tampa Bay, Florida.

Ext. Boston Society of Natural History; Proceedings, vol. XIII, pp. 108-109, 1869. 1 leaf. 8°. Headed "Conchological Memoranda, No. 4."

——— Descriptions of new marine shells from the west coast of Florida.

Ext. Academy of Natural Sciences of Philadelphia; Proceedings for 1873, pp. 344-347, 1873. 8°. 4 pp.

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208 pp., 44 pl. 8°. Issued in six parts, Nov., 1873, to Nov., 1874.

Tuomey (Michael) and **Holmes** (Francis S.). Pleiocene fossils of South Carolina; containing descriptions and figures of the Polyparia, Echinodermata, and Mollusca. Charleston, S. C., Russell & Jones, 1855-1857.

1 vol. xvi, 152 pp., 32 pl. 4°. Issued in sixteen parts; of which six of eight pages and two plates each appeared in 1855, the remainder with title, etc., in 1856. See also HOLMES (F. S.).

Verrill (Prof. Addison E.). Report upon the invertebrate animals of Vineyard Sound and the adjacent waters, with an account of the physical characters of the region.

In [First] Report of the U. S. Commission of Fish and Fisheries, 42nd Congress. 2nd session, Senate Miscellaneous Document No. 61. Washington, Government Printing Office, 1873. 8°. Pp. 296-778, plates i-xxxviii. A separate edition was issued by the author. The original volume is sometimes referred to as the Report of the U. S. Commissioner of Fish and Fisheries for 1871-'72.

Verrill (Prof. Addison E.). List of deep-water and surface Mollusca taken off the east coast of the United States by the U. S. Fish Commission steamers *Fish Hawk* and *Albatross*, 1880-1883.

Ext. Connecticut Academy of Sciences; Transactions. New Haven, the society, July, 1884. Vol. vi, pp. 263-290. 8°.

——— Results of the explorations made by the steamer *Albatross* off the northern coast of the United States in 1883.

In Report of the Commissioner of Fish and Fisheries for 1883. Washington, Government Printing Office, 1885. Pp. 503-601, plates i-xliv. Separate copies were also printed for the author.

——— Catalogue of marine mollusca added to the fauna of the New England region during the past ten years.

In Transactions of the Connecticut Academy of Sciences, v, pp. 447-588, plates xlii-xliv, lvii, lviii. 8°. 1882. Separates distributed by the author.

——— Second catalogue of mollusca, recently added to the fauna of the New England coast and the adjacent parts of the Atlantic, consisting mostly of deep-sea species, with notes on others previously recorded.

In the same; vol. vi, pp. 139-294, plates xxviii-xxxii. 8°. 1884. Separate copies were issued.

——— Third catalogue of mollusca, recently added to the fauna of the New England coast and the adjacent parts of the Atlantic, consisting mostly of deep-sea species, with notes on others previously recorded.

In the same; vol. vi, pp. 395-452, plates xlii-xliv. 8°. 1884. Separate copies were issued.

Watson (Rev. Robert Boog). Mollusca of H. M. S. *Challenger* expedition. Parts I-XX, 1879-1883. Preliminary report to Prof. Sir C. Wyville Thomson [etc.].

Ext. Linnean Society Journal. Zoology. London, the Society, 1879-1883. Vols. xiv-xvii, 1879-1883. 8°. See also FOLIN (L. de).

The separate parts appeared as follows:

Part I.—The Journal, vol. xiv, No. 78, pp. 506-507; read Nov. 21, 1878; published April 23, 1879.

II.—The Journal, vol. xiv, No. 78, pp. 508-529; read Nov. 21, 1878; published April 23, 1879.

III.—The Journal, vol. xiv, No. 78, pp. 586-605; read Dec. 5, 1878; published April 23, 1879. The preceding parts in one cover. Title on cover and bastard title. 8°. London, Taylor & Francis, 1879. Original pagination preserved.

IV.—The Journal, vol. xiv, No. 80, pp. 694-716; read June 5, 1879; published Sept. 2, 1879. Covers and bastard title as in the preceding.

V.—The Journal, vol. xv, No. 82, pp. 88-126; read April 18, 1880; published July 31, 1880. This and succeeding two parts have no title on cover or elsewhere.

VI.—The Journal, vol. xv, No. 84, pp. 218-230; read April 15, 1880; published Nov. 20, 1880.

VII.—The Journal, vol. xv, No. 85, pp. 246-274; read Dec. 9, 1880; published March 25, 1881.

VIII.—The Journal, vol. xv, No. 86, pp. 388-412; read March 3, 1881; published Sept. 29, 1881. This part has bastard title, but none on cover.

Watson (Rev. Robert Boog)—Continued.

Part IX.—The Journal, vol. xv, No. 87, pp. 413-455; read June 2, 1881; published Oct. 4, 1881. This part has no title.

X.—The Journal, vol. xv, No. 88, pp. 458-475; read June 16, 1881; published Nov. 3, 1882. No title.

XI.—The Journal, vol. xvi, No. 91, pp. 247-254; read Dec. 15, 1881; published March 8, 1883. No title.

XII.—The Journal, vol. xvi, No. 93, pp. 324-343; read Dec. 15, 1881; published June 12, 1882. This part has bastard title.

XIII.—The Journal, vol. xvi, No. 93, pp. 358-372; read March 16, 1881; published June 12, 1882. This part has bastard title.

XIV.—The Journal, vol. xvi, No. 93, pp. 372-392; read March 16, 1882; published June 12, 1882. This part has bastard title.

XV.—The Journal, vol. xvi, No. 96, pp. 594-611; read June 15, 1882; published March 10, 1883. This part has bastard title.

XVI.—The Journal, vol. xvii, No. 97, pp. 26-40; read Nov. 16, 1882; published March 24, 1883. This part has bastard title.

XVII.—The Journal, vol. xvii, No. 99, pp. 112-130; read March 1, 1883; published July 31, 1883. This part has bastard title.

XVIII.—The Journal, vol. xvii, No. 101, pp. 284-293; read March 15, 1883; published Oct. 20, 1883.

XIX.—The Journal, vol. xvii, No. 101, pp. 319-340; read May 3, 1883; published Oct. 20, 1883.

XX.—The Journal, vol. xvii, No. 101, pp. 341-346; read June 21, 1883; published Oct. 20, 1883.

Parts XVIII-XX issued in one cover; title on the cover. London, Linnean Society [1883].

—— The voyage of H. M. S. *Challenger*. Zoology. Report on the Scaphopoda and Gasteropoda collected by H. M. S. *Challenger* during the years 1873-1876.

In "Challenger Reports," vol. xv, Part XLII, pp. i-v, 1-756, plates i-l, with an Appendix, B, pp. 681-689, plates i-iii, on the *Cucidae* by Léopold, Marquis de Folin. London, 1885. 4°.

Zeitschrift für Malakozoologie. Herausgegeben von Karl Theodor Menke. Hannover, Hahn, 1844-1845.

2 vols. 8°. Also:

—— Herausgegeben von Karl Theodor Menke und Dr. Louis Pfeiffer. Casseï, Theodor Fischer, 1846-1853.

8 vols. 8°. See also MALAKOZOLOGISCHE BLÄTTER.

SKETCH OF GENERAL ARRANGEMENT.

A.—CLASS BRACHIOPODA.

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| I. Order Arthropomata. | II. Order Lyopomata. |
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B.—CLASS PELECYPODA.

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| I. Order Prionodesmacea. 1. Suborder Ostracea. 2. Suborder Anomiacea. 3. Suborder Pectinacea. 4. Suborder Mytilacea. [5. Suborder Naiadacea. 6. Suborder Trigoniaceae]. 7. Suborder Arcacea. 8. Suborder Nuculacea. 9. Suborder Solenomyacea. | II. Order Teleodesmacea—Continued. 3. Suborder Lucinacea. 4. Suborder Chamacea. 5. Suborder Cardiacaea. 6. Suborder Veneracea. 7. Suborder Tellinacea. 8. Suborder Mactracea. III. Order Anomalodesmacea. 1. Suborder Anatinacea. 2. Suborder Myacea. 3. Suborder Solenacea? 4. Suborder Ensiphonacea. 5. Suborder Adesmacea. |
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C.—CLASS SCAPHOPODA

- I. Order Solenoconchia.

D.—CLASS GASTROPODA.

aa. SUBCLASS ANISOPLEURA.

A. Superorder Euthyneura.

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| I. Order Pteropoda. 1. Suborder Thecosomata. 2. Suborder Gymnosomata. | [III. Order Nudibranchiata.] IV. Order Pulmonatà. 1. Suborder Stylommatophora. 2. Suborder Basommatophora. |
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| II. Order Opisthobranchiata. 1. Suborder Tectibranchiata. |
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B. Superorder Streptoneura.

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| I. Order Ctenobranchiata. 1. Suborder Orthodonta. a. Superfamily Toxoglossa. b. Superfamily Rhachiglossa. 2. Suborder Streptodonta. a. Superfamily Ptenoglossa. b. Superfamily Gymnoglossa. | I. Order Ctenobranchiata—Continued. 2. Suborder Streptodonta—Cont'd. c. Superfamily Taenioglossa. d. Superfamily Docoglossa. e. Superfamily Rhiphidoglossa. f. Superfamily Zygobranchia. |
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bb. SUBCLASS ISOPLEURA.

C. Superorder Polyconchæ.

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| I. Order Polyplacophora. a. Superfamily Eochitonia. b. Superfamily Opsichitonia. |
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E.—CLASS CEPHALOPODA.

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| I. Order Dibranchiata. 1. Suborder Octopoda. 2. Suborder Sepiophora. |
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NOTE.—The reader will understand that this sketch does not pretend to completeness, except for the following tables.

ERRATUM.

The arrangement sketched on page 26 and followed in the tables was made out before the completion of my studies of the classification of the Pelecypods. These being since completed, two changes would follow in the arrangement. The suborder *Solenacea* would be transferred to the order *Teleodesmacea*, following the *Tellinacea*, and the suborder *Solenomyacea* would be transferred to the *Anomalodesmacea*. It is also probable that the *Isocardiacea* should be raised to subordinal rank.

W. H. DALL.

AUGUST 19, 1889.

ABBREVIATIONS FOR LOCALITIES.

| | | | |
|------------------|---|-----------|---|
| Ang. | Anguilla. | Jup. I. | Jupiter Inlet, Fla. |
| Ant. | Antigua. | Keys. | Florida Keys. |
| Asp. | Aspinwall. | Lj. | Lillienskjold. |
| Atl. | Atlantic Ocean north of N. Lat. 20°. | Mart. | Martinique. |
| | | Md. | Maryland. |
| Bab. | Bahamas. | MG. | Marie-Galante. |
| Barb. | Barbados. | N. Atl. | Atlantic Ocean north of N. Lat. 35°. |
| Bda. | Barbuda. | | |
| Beauf. | Beaufort, N. C. | N. Car. | North Carolina. |
| Ber. | Bermudas. | N. Gr. | New Grenada. |
| Braz. | Brazil. | N. J. | New Jersey. |
| Car. S. | Caribbean Sea. | N. P. | New Providence. |
| Cay. | Cayenne. | P. E. Id. | Prince Edward's Island. |
| C. Can. | Cape Canaveral, Fla. | P. Pl. | Porto Plata. |
| Cedar K. | Cedar Keys, Fla. | P. Rico | Porto Rico. |
| C. Fla. | Cape Florida. | St. Aug. | St. Augustine, Fla. |
| Char. H. | Charlotte Harbor, Fla. | St. Bart. | St. Bartholomew. |
| Charl. | Charleston, S. C. | S. Car. | South Carolina. |
| Chesap. | Chesapeake Bay. | St. Cruz. | St. Croix or Santa Cruz. |
| C. Rom. | Cape Romano, Fla. | St. Dom. | Santo Domingo. |
| C. Sable. | Cape Sable, Nova Scotia. | St. J. | St. John. |
| Cub. | Cuba. | St. M. | Saint Martin. |
| Cul. | Culebra. | St. Thos. | St. Thomas. |
| Cur. | Curaçoa. | St. Vin. | St. Vincent. |
| Dom. | Dominica. | Tex. | Texas. |
| E. Fla. | East Florida. | Tort. | Tortola. |
| Eur. | Europe. | Trin. | Trinidad. |
| Fernand. | Fernandina, Fla. | V. | Viéque. |
| Fla. | Florida. | Va. | Virginia. |
| Ga. | Georgia. | V. Cruz. | Vera Cruz. |
| Gtm. | Guatemala. | VD. | Van Dyck's Island. |
| Guad. | Guadalupe. | Ven. | Venezuela. |
| Gulf, or G. Mex. | Gulf of Mexico. | Vg. I. | Virgin Islands. |
| Hatt. | Cape Hatteras. | W. | Water Island. |
| Hond. | Honduras. | W. Fla. | West Florida. |
| Hait. | Haiti. | Yuc. | Yucatan. |
| Jam. | Jamaica. | Z. | Ziech. |

TABLE I. A.—*List of Brachiopoda.*

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|---------------------------------|---------------------------------------|-----|--------|--------------|---------------------|-------------------------|
| Class BRACHIOPODA. | | | | | | |
| Order ARTHROPOMATA Owen. | | | | | | |
| Family TEREBRATULIDÆ. | | | | | | |
| Genus TEREBRATULA Lhwyd. | | | | | | |
| 1 | <i>T. cubensis</i> Pourtales | 39 | 6, 10 | 27 | $\frac{80}{400}$ | Fla. Reefs... |
| 2 | <i>T. Bartlettii</i> Dall. | 6 | 4a-c | 40 | $\frac{70}{250}$ | Gulf of Mex. |
| 3 | <i>T. incerta</i> Davidson | 6 | 6, 6a | 10.5 | $\frac{189}{1350}$ | Gulf of Mex. |
| Genus TEREBRATULINA Orbigny. | | | | | | |
| 4 | <i>T. Cailletii</i> Crosse | 39 | 8, 9o. | 10 | $\frac{30}{290}$ | Fernandina . |
| 5 | <i>T. septentrionalis</i> Couth | 49 | 1, 2 | 22 | $\frac{8}{83}$ | Halifax |
| Family EUDESIIDÆ. | | | | | | |
| Genus EUDESIA King. | | | | | | |
| 6 | <i>E. floridana</i> Pourtales | 39 | 9, 11 | 23 | $\frac{119}{310}$ | Sand Key ... |
| 7 | <i>E. cranium</i> Müller | | | | $\frac{30}{360}$ | Norway |
| Genus MEGERLIA King. | | | | | | |
| 8 | <i>M. disparilis</i> Dall. | | | 2.6 | $\frac{100}{110}$ | |
| Family MEGATHYRIDÆ. | | | | | | |
| Genus CISTELLA Gray. | | | | | | |
| 9 | <i>C. Barrettiana</i> Davidson | | | 5 | $\frac{80}{450}$ | Fla. Keys ... |
| 10 | <i>C. lutea</i> Dall. | | | 6.5 | $\frac{30}{287}$ | Hatteras ... |
| 11 | <i>C. Schrammi</i> C. and F. | | | | 100 | Gulf of Mex. |
| Family PLATIDIIDÆ. | | | | | | |
| Genus PLATIDIA Costa. | | | | | | |
| 12 | <i>P. seminula</i> Philippi. | 49 | 3, 4 | 4.5 | $\frac{16}{291}$ | Hatteras |
| 12a | var. <i>radiata</i> Dall. | | | | $\frac{5}{218}$ | San Diego ... |
| Family THECIDIIDÆ. | | | | | | |
| Genus THECIDIUM DeFrance. | | | | | | |
| 13 | <i>T. Barretti</i> Woodward | 6 | 2 | | $\frac{88}{103}$ | Gulf of Mex. |
| 14 | <i>T. mediterraneum</i> Sowerby. | 49 | 11 | 5.5 | | Medit. |
| Family RHYNCHONELLIDÆ. | | | | | | |
| Genus ATRETIA Jeffreys. | | | | | | |
| 15 | <i>A. gnomon</i> Jeffreys | | | 6 | $\frac{1178}{2021}$ | Labrador ... |

TABLE I. A.—*List of Brachiopoda.*

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | | | | † | | | † | | ? | | Barbados.... | Miocene. ? |
| | | | | | | † | | † | | | | Barbados.... | |
| | | | | | † | | | † | | | | Bequia.... | |
| | | | † | † | † | *† | † | † | | | | Rio | |
| † | ? | | | | | | | | | † | ? | N. Jersey ? .. | Pliocene. |
| | | | | | † | † | | † | | | | Barbados.... | |
| †? | | | | | | | | | | † | | Rhode Island | Pliocene. |
| | | | | | ? | | | † | | | | Barbados.... | |
| | | | | | † | † | | † | | | | Barbados.... | |
| | | | † | | * | | | † | | | | Barbados.... | |
| | | | | | | † | | † | | | | Barbados.... | |
| | | | * | † | | | | † | | † | † | Barbados.... | Pliocene. |
| | | | | | | | | † | | | * | Santa Cruz.. | |
| | | | | | † | | | † | | | | Barbados.... | |
| | | | | | † | | | † | | †* | | Barbados.... | Pliocene. |
| † | † | † | | † | | | | †? | | † | | Florida Str.. | |

TABLE I. A.—*List of Brachiopoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth | Northern extreme range. |
|----------|---------------------------------|-------|-------|--------------|-------------------|-------------------------|
| | Order LYOPOMATA Owen. | | | | | |
| | Family CRANIIDÆ. | | | | | |
| | Genus CRANIA Retzius. | | | | | |
| 16 | C. Pourtalesii Dall ..... | ..... | ..... | 7 | $1\frac{88}{115}$ | Fernandina |
| | Family DISCINIDÆ. | | | | | |
| | Genus DISCINA Lamarck. | | | | | |
| | Subgenus Discinisca Dall. | | | | | |
| 17 | D. atlantica King ..... | ..... | ..... | 5 | $2\frac{00}{50}$ | Baffin's Bay |
| 18 | D. antillarum Orbigny ..... | ..... | ..... | 10 | $2\frac{15}{94}$ | Fernandina |
| | Family LINGULIDÆ. | | | | | |
| | Genus GLOTTIDIA Dall. | | | | | |
| 19 | G. antillarum Reeve ..... | ..... | ..... | 6.2 | $\frac{0}{15}$ | Cuba |
| 19a | var. pyramidata Stimpson ..... | ..... | ..... |  | $\frac{0}{20}$ | Chesap. Bay |

TABLE II. B.—*List of Pelecypoda.*

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|------------------------------|-------------------------------------|-----|-------|--------------|-------------------------------------|-------------------------|
| Class PELECYPODA. | | | | | | |
| Order PRIONODESMACEA. | | | | | | |
| Suborder OSTRACEA. | | | | | | |
| Family OSTREIDÆ. | | | | | | |
| Genus OSTREA Linné. | | | | | | |
| 1 | <i>O. virginica</i> Gmelin | | | | | P. E. Island.. |
| 2 | <i>O. frons</i> Linné | | | | | Jupiter Inlet |
| 3 | <i>O. cristata</i> Born | | | | | Tampa |
| 4 | <i>O. equestris</i> Say | | | | | N. Carolina.. |
| Suborder ANOMIACEA. | | | | | | |
| Family ANOMIIDÆ. | | | | | | |
| Genus ANOMIA Linné. | | | | | | |
| 5 | <i>A. simplex</i> Orbigny | 53 | 1, 2 | | $\frac{0}{1\frac{1}{2}}$ | Cape Sable .. |
| 6 | <i>A. aculeata</i> Linné | 53 | 5-8 | | $\frac{0}{8^0}$ | Arctic Ocean |
| Genus PLACUNANOMIA. | | | | | | |
| 7 | <i>P. rudis</i> Broderip | | | | | Cedar Keys.. |
| Suborder PECTINACEA. | | | | | | |
| Family DIMYIDÆ. | | | | | | |
| Genus DIMYA Rouault. | | | | | | |
| 8 | <i>D. argentea</i> Dall | 4 | 5a-b | 10.5 | $\frac{7\frac{3}{4}}{2\frac{3}{8}}$ | Hatteras |
| Family SPONDYLIDÆ. | | | | | | |
| Genus FLICATULA Law. | | | | | | |
| 9 | <i>P. ramosa</i> Lamarek | | | | | Hatteras |
| Genus SPONDYLUS Linné. | | | | | | |
| 10 | <i>S. spathuliferus</i> Sow | | | | | Jupiter Inlet |
| 11 | <i>S. Gussoni</i> Costa | | | | $\frac{6^0}{6^4 0}$ | Gulf of Mex. |
| Family PECTINIDÆ. | | | | | | |
| Genus PECTEN Müller. | | | | | | |
| Subgenus Janira Schum. | | | | | | |
| 12 | <i>J. ziezac</i> Linné | | | | | Tampa |
| 13 | <i>J. hemicyclica</i> Ravenel | 6 | 5yo | 4.0 | | Hatteras |

TABLE II. B.—*List of Pelecypoda.*

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extr me range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| * | * | * | * | * | * | * | * | * | --- | --- | --- | Florida Keys | Pliocene. |
| --- | --- | --- | --- | * | * | * | --- | * | --- | --- | --- | Barbados | |
| --- | --- | --- | --- | --- | * | * | --- | * | --- | --- | --- | Martinique | |
| --- | --- | * | * | * | --- | * | --- | --- | --- | --- | --- | Charlotte H. | |
| * | * | * | * | * | * | * | * | * | * | --- | --- | Martinique | |
| * | * | * | --- | --- | --- | --- | --- | --- | --- | * | --- | Cape Fear | |
| --- | --- | --- | --- | --- | * | * | --- | * | * | --- | --- | Guadalupe | |
| --- | --- | † | --- | --- | --- | --- | --- | † | --- | --- | --- | Barbados | ? Pliocene. |
| * | * | * | * | * | * | * | * | * | --- | --- | --- | Barbados | |
| --- | --- | --- | --- | * | * | * | * | * | * | --- | --- | Guadalupe | |
| --- | --- | --- | --- | --- | --- | --- | † | † | --- | † | --- | West Indies | |
| --- | --- | --- | --- | --- | * | * | --- | * | * | --- | --- | Guadalupe | |
| --- | --- | * | --- | * | *† | *† | --- | * | --- | --- | --- | Florida Str. | Pliocene. |

TABLE II. B.—*List of Pelecypoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|-----------------------------------|-------------------------------------|---------|-------------|--------------|---------------------|-------------------------|
| Subgenus Amusium Schum. | | | | | | |
| 14 | <i>A. Mortoni</i> Say ..... | ..... | ..... | 100.0 | $\frac{30}{60}$ | Gulf of Mex. |
| 15 | <i>A. Dalli</i> Smith..... | 4 40 | 1a-b 6 | 62.0 | $\frac{213}{1591}$ | Bermuda.... |
| Section PROPEAMUSIUM Greg. | | | | | | |
| 16 | <i>A. Pourtalesianum</i> Dall | 5 | 12 | ..... | $\frac{13}{805}$ | Cedar Keys.. |
| 17 | var. <i>striatulum</i> Dall ..... | ..... | ..... | ..... | $\frac{138}{424}$ | Santa Cruz.. |
| 18 | var. <i>marmoratum</i> Dall | 4 | 3 | 12.0 | $\frac{13}{805}$ | ..... |
| 19 | <i>A. cancellatum</i> Smith..... | 5 | 1a, 2 | 26.0 | $\frac{13}{1591}$ | Charlotte H. |
| 20 | <i>A. Holmesii</i> Dall | 5 | 5, 11 | 12.0 | $\frac{100}{273}$ | Fernandina . |
| 21 | <i>A. Sayanum</i> Dall..... | 5 | 3, 9 | 15.5 | $\frac{150}{400}$ | Florida Str.. |
| Subgenus Pecten s. s. | | | | | | |
| 22 | <i>P. magellanicus</i> Guelin..... | 70 | 2 | 300.0 | $\frac{1}{109}$ | Labrador.... |
| 23 | <i>P. irradians</i> Lamarek..... | 53 | 11 | 75.0 | ..... | Nova Scotia . |
| 24 | var. <i>dislocatus</i> Say ..... | ..... | ..... | 40.0 | ..... | Hatteras |
| 25 | <i>P. nucleus</i> Born ..... | ..... | ..... | 25.0 | ..... | Florida Keys |
| 26 | <i>P. exasperatus</i> Sowerby ..... | ..... | ..... | ..... | ..... | Hatteras |
| 27 | <i>P. ornatus</i> Lamarek ..... | ..... | ..... | ..... | ..... | Cedar Keys.. |
| 28 | <i>P. antillarum</i> Recluz ..... | ..... | ..... | ..... | ..... | Key West.... |
| 29 | <i>P. effluens</i> Dall | 42 | 9 | 26.0 | $\frac{85}{300}$ | Fernandina . |
| 30 | <i>P. phrygium</i> Dall..... | 40 | 1 | 36.5 | $\frac{50}{792}$ | Hatteras |
| 31 | <i>P. glyptus</i> Verrill..... | ..... | ..... | 60.0 | $\frac{60}{168}$ | Rhode Island |
| 32 | <i>P. imbricatus</i> Gmelin ..... | ..... | ..... | ..... | ..... | Tortugas.... |
| 33 | <i>P. nodosus</i> Linné ..... | ..... | ..... | ..... | ..... | Hatteras |
| 34 | var. <i>fragosus</i> Conrad ..... | ..... | ..... | ..... | ..... | Cedar Keys.. |
| Section PSEUDAMUSIUM Ad. | | | | | | |
| 35 | <i>P. imbrifer</i> Loven | 4 64 | 4a-b 142 | 12.5 | $\frac{30}{650}$ | Arctic Sea... |
| 36 | <i>P. reticulus</i> Dall | 5 | 8, 10 | 7.0 | $\frac{82}{124}$ | Hatteras |
| 37 | <i>P. thalassinus</i> Dall..... | ..... | ..... | 8.5 | $\frac{22}{317}$ | Rhode Island |
| 38 | <i>P. leptaleus</i> Verrill..... | ..... | ..... | 7.0 | 142 | ..... |
| 39 | <i>P. fragilis</i> Jeffreys..... | ..... | ..... | ..... | $\frac{650}{1750}$ | Arctic Sea... |
| 40 | <i>P. striatus</i> Müller..... | ..... | ..... | ..... | ..... | Norway..... |
| 41 | <i>P. Sigsbeeii</i> Dall..... | 4 | 2 | 11.5 | 158 | Florida Str.. |
| 42 | <i>P. vitreus</i> Gmelin..... | 64 | 141 | ..... | $\frac{50}{800}$ | Arctic Ocean. |
| 43 | <i>P. strigillatus</i> Dall..... | 42 | 2 | ..... | $\frac{294}{1591}$ | Fernandina . |
| 44 | <i>P. undatus</i> Verrill | 46 | 21 | 19.0 | $\frac{1423}{1528}$ | N. Atlantic.. |

TABLE II. B.—*List of Pelecypoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|--------------------------------------|---------------------------------------|-----|-------|--------------|---------------------------------------|-------------------------|
| Genus HINNITES DeFrance. | | | | | | |
| 45 | <i>H. Adamsi</i> Dall | 5 | 6 | 28.0 | 573 | N. Atlantic.. |
| Family LIMIDÆ. | | | | | | |
| Genus LIMA Bruguière. | | | | | | |
| 46 | <i>L. squamosa</i> Lamarck | | | | | Sarasota |
| 47 | <i>L. tenera</i> Sowerby | | | | | Cedar Keys.. |
| 48 | <i>L. scabra</i> Born | | | | | Hatteras |
| 49 | <i>L. albicoma</i> Dall | | | 8.0 | $\frac{11\frac{1}{2}}{12\frac{1}{2}}$ | Fla. Keys |
| 50 | <i>L. hians</i> Gmelin | | | | $\frac{1\frac{1}{2}}{3\frac{3}{8}}$ | Florida Str.. |
| 51 | <i>L. inflata</i> Lamarck | | | | | Hatteras |
| Subgenus <i>Limatula</i> S. Wood. | | | | | | |
| 52 | <i>L. setifera</i> Dall | | | 5.75 | $\frac{5\frac{2}{3}}{4\frac{5}{6}}$ | Hatteras |
| 53 | <i>L. subauriculata</i> Montagu | | | | $\frac{6}{8\frac{4}{3}}$ | Arctic Sea... |
| 54 | <i>L. confusa</i> Smith | | | | $\frac{3\frac{1}{2}}{14\frac{5}{6}}$ | N. Atlantic.. |
| 55 | <i>L. laminifera</i> Smith | | | | $\frac{3\frac{2}{3}}{4\frac{9}{8}}$ | Florida Str.. |
| Genus LIMÆA Bronn. | | | | | | |
| 56 | <i>L. Bronniana</i> Dall | | | 3.1 | $\frac{1\frac{1}{2}}{1\frac{5}{6}}$ | Hatteras |
| 57 | var. <i>lata</i> Dall | | | 5.2 | $\frac{2\frac{2}{3}}{3\frac{1}{4}}$ | Fernandina .. |
| Suborder MYTILACEA. | | | | | | |
| Family AVICULIDÆ. | | | | | | |
| Genus AVICULA Lamarck. | | | | | | |
| 58 | <i>A. atlantica</i> Lamarck | | | | $\frac{1\frac{1}{2}}{1\frac{3}{4}}$ | Hatteras |
| 59 | <i>A. nitida</i> Verrill | | | | $\frac{2\frac{2}{3}}{1\frac{5}{8}}$ | Rhode Island |
| Genus MARGARITIPHORA Megerle. | | | | | | |
| 60 | <i>M. radiata</i> Lamarck | | | | | Bermuda |
| Genus PERNA Bruguière. | | | | | | |
| 61 | <i>P. obliqua</i> Lamarck | | | | | St. Augustine |
| 62 | <i>P. ephippium</i> Lamarck | | | | | Bermuda |
| Genus PINNA Linné. | | | | | | |
| 63 | <i>P. muricata</i> Linné | | | | | N. Carolina.. |
| 64 | <i>P. seminuda</i> Lamarck | | | | | Hatteras |
| 65 | <i>P. carnea</i> Gmelin | | | | | Hatteras |

TABLE II. B.—*List of Pelecypoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| --- | --- | --- | --- | --- | --- | --- | --- | † | --- | †† | --- | St. Vincent.. | |
| --- | --- | --- | --- | --- | * | * | --- | *† | * | * | --- | Barbados.... | |
| --- | --- | --- | --- | --- | * | * | --- | * | --- | --- | --- | Barbados.... | |
| --- | --- | * | --- | --- | * | --- | --- | * | --- | --- | --- | Trinidad | Pliocene. |
| --- | --- | --- | --- | --- | † | --- | --- | † | --- | --- | --- | Barbados.... | |
| --- | --- | --- | --- | --- | * | --- | --- | * | --- | * | --- | Santa Cruz.. | |
| --- | --- | * | * | --- | * | * | --- | * | * | * | * | Trinidad | |
| --- | --- | † | --- | --- | † | --- | --- | † | --- | --- | --- | Barbados.... | |
| --- | --- | *† | --- | --- | † | --- | --- | --- | --- | †* | --- | Florida Str.. | Pliocene. |
| --- | --- | * | --- | † | --- | † | --- | † | --- | † | --- | Brazil..... | |
| --- | --- | --- | --- | † | --- | --- | --- | † | --- | --- | --- | Sombrero ... | |
| --- | --- | *† | --- | † | --- | --- | --- | † | --- | --- | --- | Barbados.... | |
| --- | --- | --- | † | --- | † | --- | --- | † | --- | --- | --- | Cuba..... | |
| --- | --- | *† | * | --- | *† | * | * | * | --- | --- | --- | Venezuela... | P. Pliocene. |
| † | --- | --- | --- | --- | * | * | --- | --- | --- | ? | --- | Tortugas ... | |
| --- | --- | --- | * | * | * | * | --- | * | * | --- | --- | Brazil..... | |
| --- | --- | --- | --- | * | * | * | * | * | * | --- | --- | Guadalupe .. | |
| --- | --- | --- | --- | * | * | --- | --- | * | * | --- | --- | Jamaica.... | |
| --- | --- | * | * | * | * | * | * | * | --- | --- | --- | Venezuela... | Pliocene. |
| --- | --- | * | * | * | * | * | * | * | --- | --- | --- | Guadalupe .. | |
| --- | --- | * | --- | * | * | --- | --- | * | --- | --- | --- | Barbados.... | |

TABLE II. B.—*List of Pelecypoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|---------------------------------------|---------------------------------------|----------|---------|--------------|--------------------|-------------------------|
| Family MYTILIDÆ. | | | | | | |
| Genus MYTILUS Linné. | | | | | | |
| 66 | <i>M. edulis</i> Linné..... | 71 54 | 2 3 | | | Arctic Sea... |
| 67 | <i>M. hamatus</i> Say .. | | | | | |
| 68 | <i>M. exustus</i> Linné..... | | | | | Charleston .. |
| Genus SEPTIFER Recluz. | | | | | | |
| 69 | <i>S.</i> ——— | | | | | Tampa Bay.. |
| Genus MODIOLA Lamarck. | | | | | | |
| 70 | <i>M. modiolus</i> Linné..... | 54 | 4 | | $\frac{0}{80}$ | Arctic Sea... |
| 71 | <i>M. tulipa</i> Linné..... | | | | | N. Carolina.. |
| Section BRACHYDONTES Swainson. | | | | | | |
| 72 | <i>M. sulcata</i> Lamarck | | | | | Tampa Bay.. |
| 73 | <i>M. plicatula</i> Lamarck..... | 54 | 1 | | | Nova Scotia. |
| 74 | var. <i>semicostata</i> Conrad | | | | | St. Augustine |
| Section AMYGDALUM Megerle. | | | | | | |
| 75 | <i>M. lignea</i> Reeve | | | | | S. Carolina .. |
| 76 | <i>M. polita</i> Verrill & Smith..... | 6 45 | 3 12 | 50.0 | $\frac{111}{1000}$ | N. Atlantic .. |
| 77 | var. <i>sagittata</i> Dall | | | | | |
| 78 | <i>M. papyria</i> Conrad..... | | | | $\frac{85}{196}$ | Cedar Keys.. |
| Section BOTULINA Dall. | | | | | | |
| 79 | <i>M. opifex</i> Say | | | | $\frac{0}{82}$ | Hatteras ... |
| Section BOTULA Mörch. | | | | | | |
| 80 | <i>M. cinnamomea</i> Lamarck | | | | $\frac{0}{14}$ | Cape Fear... |
| Genus LITHOPHAGUS Muhlfeldt. | | | | | | |
| 81 | <i>L. caribæus</i> Philippi..... | | | | | Florida Str.. |
| 82 | <i>L. antillarum</i> Philippi | | | | | Bermuda |
| 83 | <i>L. bisulcatus</i> Orbigny..... | | | | | Cedar Keys.. |
| 84 | <i>L. forficatus</i> Ravenel..... | | | | | Cape Fear... |
| Genus DACRYDIUM Torell. | | | | | | |
| 85 | <i>D. vitreum</i> , Möller..... | | | | $\frac{6}{1556}$ | Arctic..... |
| Genus IDAS Jeffreys.. | | | | | | |
| 86 | <i>I. argenteus</i> Jeffreys | 45 | 16a | 5.5 | $\frac{335}{2033}$ | N. Atlantic .. |

TABLE II. B.—*List of Pelecypoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| * | * | * | | | | | | | | * | * | N. Carolina.. | Pliocene. |
| * | * | * | * | | * | * | * | | | | | Costa Rica .. | |
| | | * | | * | * | * | * | * | * | | | Brazil..... | |
| | | | | | | * | | | | | | | |
| * | * | * | | | | | | | | * | * | N. Carolina.. | Pliocene. |
| | | * | * | * | | * | | * | * | | | Guadalupe .. | |
| | | | | * | * | * | | * | | | | Barbados.... | |
| * | * | * | * | | | | | | | | | Georgia..... | |
| | | | * | | | * | * | | | | | Texas..... | |
| | | * | * | | * | * | | * | | | | St. Thomas.. | |
| † | | † | | | † | † | | † | | † | | Grenada.... | |
| | | | | | † | † | | | | | | Cape Florida | |
| | | | | * | | * | * | | | | | Corp. Christi | |
| | | *† | | | * | | * | * | | | | Cuba..... | |
| | | * | | | * | * | | * | | | | Guadalupe .. | |
| | | | | | * | | | * | | | | St. Thomas.. | |
| | | | | | * | | | * | * | | | Guadalupe .. | |
| | | | | | * | * | | * | * | | | Guadalupe .. | |
| | | * | | | * | * | | * | | | | Jamaica.... | |
| † | † | † | | †* | * | | | *† | | † | | Campeche... | |
| † | | | ? | | | | | | | † | | Rhode Island | |

TABLE II. B.—*List of Pelecypoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| * | -- | * | -- | -- | -- | -- | -- | -- | -- | * | * | Hatteras | P. Pliocène. |
| * | -- | * | -- | -- | -- | -- | -- | -- | -- | * | * | Hatteras | P. Pliocene. |
| -- | -- | * | -- | -- | * | * | -- | * | * | * | -- | N. Grenada .. | |
| * | -- | * | -- | -- | -- | -- | -- | -- | -- | -- | -- | Hatteras | P. Pliocene. |
| -- | -- | †* | -- | -- | -- | -- | -- | -- | -- | * | * | Hatteras | |
| -- | -- | * | -- | -- | * | * | -- | *† | -- | -- | -- | Barbados ... | |
| -- | † | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | |
| * | * | v | -- | * | -- | * | -- | * | -- | -- | -- | Aspinwall ... | |
| -- | -- | * | -- | * | -- | * | -- | * | * | * | * | Carthage-na . | |
| -- | -- | * | * | * | * | * | * | * | * | -- | -- | Aspinwall ... | |
| -- | -- | * | -- | * | -- | * | -- | * | -- | -- | -- | Trinidad | |
| -- | -- | -- | * | -- | -- | * | -- | * | -- | -- | -- | St. Thomas .. | |
| -- | -- | -- | -- | -- | -- | -- | -- | † | -- | -- | -- | Barbados | |
| -- | -- | * | -- | * | -- | * | * | *† | -- | -- | -- | Barbados | |
| * | * | * | * | * | * | * | * | * | -- | -- | -- | St. Thomas ? . | P. Pliocene. |
| * | * | * | * | * | * | * | * | * | -- | -- | -- | St. Thomas .. | |
| -- | -- | * | * | -- | -- | * | -- | * | * | -- | -- | Venezuela ... | Pliocene. |
| -- | -- | * | * | * | * | * | * | * | -- | -- | -- | Trinidad | Pliocene. |
| * | * | * | * | * | * | -- | -- | -- | -- | -- | -- | Key West ... | Miocene |
| -- | -- | * | * | * | * | * | * | -- | -- | -- | -- | Aspinwall ... | Pliocene |
| -- | -- | -- | -- | * | -- | -- | * | * | -- | -- | -- | Martinique .. | |
| * | * | * | * | -- | -- | ? | * | -- | -- | -- | -- | | Pliocene. |
| -- | -- | * | * | -- | -- | -- | -- | -- | -- | -- | -- | Charleston .. | |
| -- | -- | * | * | * | * | -- | * | * | -- | -- | -- | Trinidad | Pliocene. |

TABLE II. B.—List of Pelecypoda—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon | Range in depth. | Northern extreme range. |
|------------------------------------|--|-------|---------|-------------|---------------------|-------------------------|
| Section BYSSOARCA Swainson. | | | | | | |
| 111 | <i>A. reticulata</i> Gmelin ..... | ..... | ..... | ..... | $\frac{0}{287}$ | Hatteras |
| 112 | <i>A. Adamsi</i> Shuttleworth ..... | ..... | ..... | ..... | $\frac{10}{38}$ | Hatteras |
| 113 | var. <i>Conradiana</i> Dall ..... | ..... | ..... | ..... | $\frac{25}{2}$ | Hatteras |
| 114 | <i>A. nodulosa</i> Müller ..... | ..... | ..... | ..... | $\frac{15}{125}$ | Norway |
| 115 | <i>A. pectunculoides</i> Scacchi | 8 | 5 | 8.0 | $\frac{75}{1508}$ | Norway |
| 116 | <i>A. polycyma</i> Dall | 8 | 3, 3a | 9.75 | ..... | ..... |
| 117 | <i>A. glomerula</i> Dall | 8 | 9, 9a | 5.75 | $\frac{100}{683}$ | Hatteras |
| Subgenus Macrodon Lycett. | | | | | | |
| 118 | <i>M. asperula</i> Dall | 8 | 4, 4a | 8.5 | $\frac{310}{1568}$ | Fernandina.. |
| 119 | <i>M. saginata</i> Dall ..... | ..... | ..... | 6.0 | 80 | Florida Str.. |
| 120 | <i>M. profundicola</i> Verrill | 46 | 23, 23a | 12.0 | 2021 | N. Lat. 37° .. |
| 121 | <i>M. ———</i> ..... | ..... | ..... | ..... | 92 | Florida Str.. |
| Genus PECTUNCULUS Lam. | | | | | | |
| 122 | <i>P. undatus</i> Linné ..... | ..... | ..... | ..... | $\frac{15}{63}$ | Hatteras |
| 123 | <i>P. pectinatus</i> Gmelin ..... | ..... | ..... | ..... | $\frac{2}{175}$ | Hatteras |
| Genus LIMOPSIS Sassi. | | | | | | |
| 124 | <i>L. minuta</i> Philippi ..... | ..... | ..... | ..... | $\frac{30}{221}$ | Norway |
| 125 | <i>L. tenella</i> Jeffreys ..... | ..... | ..... | 10.5 | $\frac{197}{2033}$ | N. Atlantic .. |
| 126 | <i>L. antillensis</i> Dall | 8 | 7, 7a | 3.5 | $\frac{80}{683}$ | Hatteras |
| 127 | <i>L. cristata</i> Jeffreys ..... | ..... | ..... | ..... | $\frac{85}{1555}$ | Norway |
| 128 | <i>L. aurita</i> Brocchi ..... | ..... | ..... | 22.0 | $\frac{21}{1832}$ | Norway |
| 129 | var. <i>paucidentata</i> Dall ..... | ..... | ..... | 9.0 | 874 | ..... |
| 130 | var. <i>piana</i> Verrill ..... | ..... | ..... | 14.0 | $\frac{1131}{2221}$ | Chesapeake.. |
| Suborder NUCULOEA. | | | | | | |
| Family NUCULIDÆ. | | | | | | |
| Genus PLEURODON S. Wood. | | | | | | |
| 131 | <i>P. Adamsii</i> Dall ..... | ..... | ..... | 2.87 | 205 | Florida Str.. |
| Genus NUCULA Lamarck. | | | | | | |
| 132 | <i>N. ægeënsis</i> Jeffreys ..... | ..... | ..... | 10.7 | $\frac{5}{464}$ | Mediterr. Sea. |
| 133 | <i>N. cymella</i> Dall ..... | ..... | ..... | 5.1 | $\frac{205}{1000}$ | Florida Str.. |
| 134 | <i>N. tenuis</i> Montagu | 68 | 8 | ..... | $\frac{75}{1555}$ | Arctic Ocean |
| 135 | <i>N. proxima</i> Say | 56 | 4 | ..... | $\frac{2}{100}$ | Nova Scotia. |
| 136 | <i>N. delphinodonta</i> Mighels | 56 | 8 | ..... | ..... | Greenland... |
| 137 | <i>N. cancellata</i> Jeffreys ..... | ..... | ..... | ..... | $\frac{858}{2033}$ | N. Atlantic .. |
| 138 | <i>N. granulosa</i> Verrill ..... | ..... | ..... | ..... | $\frac{63}{858}$ | George's B'k. |
| 139 | <i>N. crenulata</i> A. Adams | 7 | 2 | 7.3 | $\frac{30}{382}$ | Hatteras |
| 140 | var. <i>obliterata</i> Dall | 8 | 2 | 7.3 | $\frac{124}{1591}$ | Hatteras |
| 141 | <i>N. Verrilli</i> Dall ..... | ..... | ..... | 4.5 | $\frac{430}{1688}$ | Rhode Island |

TABLE II. B.—*List of Pelecypoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Bermuda. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|----------|------|----------|-------------------------|----------------|
| | | †* | | * | * | * | * | * | * | | | Barbados.... | |
| | | * | | | * | * | | * | * | | | St. Lucia.... | |
| | | * | | | | † | | | | | | Cedar Keys.. | |
| | | | | | †* | | | | | * | | Sand Key.... | |
| † | | † | † | | | † | | † | | † | | St. Vincent.. | P. Pliocene. |
| | | | | | | | | † | | | | Grenada.... | |
| | | † | | | † | † | | † | | | | St. Vincent.. | |
| | | | † | | † | † | † | † | | | | Yucatan.... | |
| | | | | | † | | | † | | | | Cuba..... | |
| † | | | | | | | | | | | | Cuba..... | |
| | | * | * | * | * | | | * | | | | St. Lucia.... | Miocene. |
| | | * | * | | * | * | * | *† | | | | Barbados.... | Pliocene. |
| † | | | | | † | * | | † | | † | | Barbados.... | Miocene. |
| † | | | | | † | † | | † | | † | | Cuba..... | |
| | | † | | | † | | | † | | | | Florida Str.. | |
| † | | † | † | | † | | | † | | † | | Yucatan.... | |
| † | † | † | † | | † | † | | † | † | † | | Grenada.... | Miocene. |
| | | | | | | | | † | | | | Jamaica.... | |
| † | † | | | | | | | † | | | | Dominica.. | |
| | | | | † | | | | † | | | | Bahamas.... | |
| | | †* | † | | † | * | | † | | † | | Trinidad.... | |
| | | | | † | † | | | † | | | | Yucatan.... | |
| * | * | * | | | | | | | | †* | * | Hatteras.... | |
| *† | * | †* | | | | * | | | | | | Charlotte H. | Miocene. |
| * | | | | | | | | | | ? | | New Jersey.. | P. Pliocene. |
| † | | | | | | | | | | † | | C. Lookout.. | |
| | † | | | | | *† | | † | | | | Barbados.... | |
| | | † | | | | | | † | | | | St. Vincent.. | |
| † | † | † | | | | † | | † | | | | Yucatan.... | |

TABLE II. B.—List of Pelecypoda—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|----------------------------|---------------------------------------|-----------------|---------------------|---------------|--------------------|-------------------------|
| Family LEDIDÆ. | | | | | | |
| Genus LEDA Schumacher. | | | | | | |
| Subgenus Yoldia Mörch. | | | | | | |
| 142 | <i>Y. solenoides</i> Dall..... | 9 | 2, 2a | 12.5 | 118 | Miss. delta .. |
| 143 | <i>Y. liorhina</i> Dall..... | 9 | 1, 1a | 13.1 | $\frac{100}{1731}$ | Gulf of Mex. |
| 144 | <i>Y. limatula</i> Say..... | } 49 56 | } 5 1 | } | $\frac{50}{}$ | Norway |
| 145 | <i>Y. sapotilla</i> Gould .. |  |  |  |  |  | 56 | 9 | ..... | $\frac{125}{}$ | Arctic Sea... |
| 146 | <i>Y. sericea</i> Jeffreys..... | | | | $\frac{140}{1731}$ | N. Atlantic .. |
| 147 | <i>Y. hebes</i> Smith | | | 4.0 | $\frac{136}{305}$ | Cedar Keys.. |
| 148 | <i>Y. insculpta</i> Jeffreys | | | | $\frac{133}{330}$ | N. Atlantic .. |
| 149 | <i>Y. jeffreysi</i> Hidalgo..... | | | | $\frac{349}{1735}$ | N. Atlantic.. |
| 150 | <i>Y. subequilatera</i> Jeffreys..... | | | | $\frac{92}{1731}$ | Norway |
| 151 | <i>Y. pompholyx</i> Dall..... | | | 4.0 | $\frac{205}{1024}$ | Fernandina .. |
| Subgenus Leda Schumacher. | | | | | | |
| 152 | <i>L. Carpenteri</i> Dall..... | } 8 9 | } 11 3 | } 10.5 | $\frac{14}{}$ | Hatteras |
| 153 | <i>L. messanensis</i> Seguenza..... |  |  |  |  |  |  |  | 4.0 | $\frac{33}{233}$ | N. Atlantic.. |
| 154 | <i>L. solidula</i> Smith | | | | $\frac{640}{1002}$ | Hatteras |
| 155 | <i>L. vitrea</i> Orbigny..... | 8 | 12, 12a | 6.5 | $\frac{100}{250}$ | Florida Str.. |
| 156 | <i>L. acuta</i> Conrad | } 7 45 64 | } 3, 8 15 140 | } 9.5 13.0 | } $\frac{75}{}$ | Rhode Island |
| 157 | <i>L. Bushiana</i> Verrill..... | | | | | |
| 158 | <i>L. concentrica</i> Say..... | | | | | Texas |
| 159 | <i>L. Verrilliana</i> Dall..... | | | 13.0 | | Hatteras |
| 160 | <i>L. ———</i> | | | 4.1 | $\frac{227}{1024}$ | Cedar Keys.. |
| 161 | <i>L. ———</i> | | | 4.0 | $\frac{455}{855}$ | Florida Str.. |
| 162 | <i>L. quadrangularis</i> Dall | 8 | 6 | 4.6 | $\frac{683}{1668}$ | Hatteras |
| 163 | <i>L. pusio</i> Philippi..... | | | | $\frac{856}{1691}$ | N. Atlantic.. |
| 164 | <i>L. solidifacta</i> Dall | 7 | 7a-b | 12.5 | 287 | Florida Str.. |
| 165 | <i>L. ———</i> | | | | $\frac{196}{223}$ | Cedar Keys.. |
| Section NEILONELLA Dall. | | | | | | |
| 166 | <i>L. corpulenta</i> Dall..... | 7 | 1a-b | 9.5 | $\frac{130}{450}$ | Florida Str.. |
| Genus MALLETTIA Desm. | | | | | | |
| Section TINDARIA Bellardi. | | | | | | |
| 167 | <i>M. cytherea</i> Dall..... | 8 | 1, 1a | 8.6 | $\frac{200}{724}$ | Florida Str.. |
| 168 | <i>M. amabilis</i> Dall..... | 40 | 8 | 15.0 | $\frac{153}{946}$ | Cedar Keys.. |

TABLE II. B.—*List of Pelecypoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber- mu- da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|--------------------|------|----------|-------------------------|----------------|
| | | | | | | † | † | | | | | Yucatan..... | |
| | | | | | † | † | | † | | | | Barbados..... | |
| * | * | * | | | | | | | | * | * | N. Carolina.. | Pliocene. |
| *† | | † | | | | | | | | * | * | Hatteras | |
| † | † | † | | † | | | | † | | † | | Florida Str.. | |
| | | | | | | † | | † | | | | Culebra Id .. | |
| | | | | † | † | | | † | | † | | Florida Str .. | |
| | | † | | | † | | | † | † | † | | Florida Str .. | |
| | | † | | | | † | | | | † | | Grenada | |
| | | | † | † | † | | | † | | | | Cuba | |
| | | † | | † | †* | | | † | | | | Barbados..... | |
| † | † | †* | † | † | † | | | † | † | * | | Barbados..... | Pliocene. |
| | | † | | | † | † | † | † | | | | Brazil..... | |
| | | | | | † | | | † | | | | Barbados..... | |
| | | †* | * | | † | **† | | † | | | | Sombrero ... | Miocene. |
| | | † | | † | | | | | | | | Florida Str .. | |
| | | | | | | * | * | * | | | | Trinidad ... | Pliocene. |
| | | †* | | | | | | | | | | Cape Fear... | |
| | | | | | † | † | | † | | | | Cuba..... | |
| | | | | † | † | | | † | | | | Cuba..... | |
| | | † | | | † | | | † | | | | Cuba..... | |
| | | | | | † | | † | † | | † | | Bequia..... | Pliocene. |
| | | | | | † | | | † | | | | Cuba..... | |
| | | | | † | | † | | † | | | | Florida Str .. | |
| | | | | | † | | | † | | | | Jamaica | |
| | | | | † | | † | | † | | | | St. Vincent.. | |
| | | | | | | † | | † | | | | Tobago | |

TABLE II. B.—List of Pelecypoda—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|--------------------------------|---|-----|-------|--------------|----------------------------|-------------------------|
| Section NEILO A. Ad. | | | | | | |
| 169 | <i>M. dilatata</i> Philippi | | | | $\frac{33}{33\frac{1}{2}}$ | N. Atlantic.. |
| 170 | <i>M. ———</i> | | | | 1181 | Cedar Keys.. |
| 171 | <i>M. obtusa</i> Sars | | | | $\frac{516}{1688}$ | Norway |
| Genus GLOMUS Jeffreys. | | | | | | |
| 172 | <i>G. nitens</i> Jeffreys | | | | $\frac{224}{1750}$ | Norway |
| Suborder SOLENOMYACEA. | | | | | | |
| Family SOLENOMYIDÆ. | | | | | | |
| Genus SOLENOMYA Lamarck. | | | | | | |
| 173 | <i>S. velum</i> Say | 58 | 3 | 20.0 | $\frac{3}{34}$ | Nova Scotia. |
| 174 | <i>S. ———</i> | | | 12.0 | $\frac{32}{300}$ | C. Lookout.. |
| 175 | <i>S. occidentalis</i> Deshayes | | | 7.0 | $\frac{0}{0}$ | Gulf of Mex .. |
| Order TELEODESMACEA. | | | | | | |
| Suborder CARDITACEA. | | | | | | |
| Family CARDITIDÆ. | | | | | | |
| Genus CARDITA Bruguière. | | | | | | |
| 176 | <i>C. domingensis</i> Orbigny | | | | $\frac{36}{124}$ | Hatteras |
| 177 | <i>C. Conradii</i> Shuttleworth ? | | | | | Tampa |
| 178 | <i>C. floridana</i> Conrad | | | | | Tampa |
| 179 | <i>C. gracilis</i> Shuttleworth | | | | | Tampa |
| Subgenus Venericardia Lamarck. | | | | | | |
| 180 | <i>V. borealis</i> Conrad | 58 | 9 | | $\frac{5}{100}$ | Arctic Sea... |
| 181 | var. <i>granulata</i> Say | | | | $\frac{50}{200}$ | Rhode Island |
| 182 | var. <i>nov-angliæ</i> Morse | 58 | 10 | | $\frac{4}{30}$ | Nova Scotia. |
| 183 | <i>V. tridentata</i> Say | | | | $\frac{36}{124}$ | Hatteras |
| 184 | <i>V. flabella</i> Conrad | | | | $\frac{14}{2}$ | Hatteras |
| Family ASTARTIDÆ. | | | | | | |
| Genus ASTARTE J. Sowerby. | | | | | | |
| 185 | <i>A. undata</i> Gould | 58 | 1 | | $\frac{5}{100}$ | Nova Scotia. |
| 186 | <i>A. castanea</i> Say | 58 | 7 | | $\frac{5}{65}$ | Nova Scotia. |
| 187 | <i>A. lens</i> Stimpson | | | | $\frac{12}{24}$ | Rhode Island |
| 188 | <i>A. Smithii</i> Dall | 7 | 5a-b | 7.0 | $\frac{54}{1000}$ | Gulf of Mex .. |
| 189 | <i>A. globula</i> Dall | | | 5.0 | $\frac{20}{2}$ | Fernandina .. |
| 190 | <i>A. nana</i> Jeffreys | 7 | 6a-b | 8.2 | $\frac{2}{196}$ | Hatteras |
| Subgenus Goodallia Turton. | | | | | | |
| 191 | <i>G. ———</i> | | | | $\frac{15}{2}$ | Cape Lookout |

TABLE II. B.—*List of Pelccypoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. | |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|--------------|
| | | | | | † | | | † | | † | | Old Provid'ce | Pliocene. | |
| | | | | | | † | | | | | | | | |
| | † | † | | | | | | | | † | | Hatteras | | |
| | | | | † | † | | | † | | | | Cuba | | |
| | | | | | | | | | | | | | | |
| * | * | * | | | | | | | | | | N. Carolina.. | P. Pliocene. | |
| | | * | | | | | † | † | | | | Cuba | | |
| | | | | | * | * | | * | | | ? | Guadalupe | | |
| | | | | | | | | | | | | | | |
| | | †* | | | † | | | *† | | | | Sombrero | | |
| | | | | | * | * | | | | | | Key West | Miocene. | |
| | | | | | * | * | | | | | | Key West | | |
| | | | | | | * | | | | | | | | |
| † | † | † | | | | | | | | | † | † | Hatteras | Miocene. |
| | | †* | | | | | | | | | | | Hatteras | Miocene. |
| | | | | | | | | | | | * | | Rhode Island | |
| | | †* | | | | * | | | | | | | Charlotte H. | Miocene. |
| | | * | † | | | * | | | | | | | Charlotte H. | Miocene. |
| | | | | | | | | | | | | | | |
| | | * | | | | | | | | | | | Hatteras | P. Pliocene. |
| * | | † | | | | | | | | | | | Hatteras | P. Pliocene. |
| | | †* | † | | † | | | | | | | | Cape Florida | |
| | | | | | † | † | | † | | | | | Barbados | |
| | | | | | † | | | † | | | | | Cuba | |
| | | †* | | | * | * | | * | | | | | Sombrero | |
| | | | | | | | | | | | | | | |
| | | †* | | | | | | | | | | | Cape Fear | |

TABLE II. B.—*List of Pelecypoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|--|------------------------------------|-------|---------|--------------|----------------------------|-------------------------|
| Genus PARASTARTE Conrad. | | | | | | |
| 192 | <i>P. triquetra</i> Conrad..... | 49 | 6, 7, 8 | 5.0 | ----- | Cedar Keys.. |
| 193 | <i>P. concentrica</i> Dall..... | ----- | ----- | 5.5 | $\frac{18}{49}$ | Hatteras.... |
| Genus CIRCE Schumacher. | | | | | | |
| Subgenus Gouldia C. B. Adams. | | | | | | |
| 194 | <i>G. cerina</i> C. B. Adams..... | 7 | 4a-b | 10.5 | $\frac{2\frac{3}{4}}{29}$ | Hatteras.... |
| 195 | <i>G.</i> | ----- | ----- | ----- | $\frac{19}{33}$ | Hatteras.... |
| Family CRASSATELLIDÆ. | | | | | | |
| Genus CRASSATELLA Lamarck. | | | | | | |
| 196 | <i>C. floridana</i> Dall..... | { | 6 12 | 11.0 } | $\frac{3}{100}$ | Hatteras.... |
| | | 42 | 4 | 65.0 } | | |
| Subgenus Eriphyla Gabb. | | | | | | |
| 197 | <i>E. lunulata</i> Conrad..... | 58 | 11, 13 | ----- | $\frac{3}{100}$ | Cape Cod... |
| 198 | var. <i>parva</i> C. B. Adams..... | ----- | ----- | ----- | $\frac{1\frac{1}{2}}{287}$ | Florida Str.. |
| Suborder LEPTONACEA.? | | | | | | |
| Family ERYCINIDÆ. | | | | | | |
| Genus TURTONIA Forbes & Hanley. | | | | | | |
| 199 | <i>T. minuta</i> Fabricius..... | { | 64 142a | } ----- | ----- | Arctic Sea... |
| | | 68 | 7 | | | |
| Genus KELLIA Turton. | | | | | | |
| 200 | <i>K. planulata</i> Stimpson..... | 56 | 7 | ----- | $\frac{8}{15}$ | Arctic Sea... |
| Genus LEPTON Turton. | | | | | | |
| 201 | <i>L. longipes</i> Stimpson..... | ----- | ----- | ----- | ----- | Hatteras.... |
| 202 | <i>L.</i> | ----- | ----- | ----- | 22 | C. Lookout.. |
| 203 | <i>L.</i> | ----- | ----- | ----- | 22 | C. Lookout.. |
| 204 | <i>L.</i> | ----- | ----- | ----- | $\frac{13}{31}$ | C. Lookout.. |
| 205 | <i>L. lepidum</i> Stimpson?..... | ----- | ----- | ----- | 124 | Hatteras.... |
| Subgenus Fabella Conrad. | | | | | | |
| 206 | <i>F. constricta</i> Conrad..... | ----- | ----- | ----- | ----- | Cedar Keys.. |

TABLE II. B.—*List of Pelecypoda*—Continued.

| Scr. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|--|---|-----|-------|--------------|--------------------|-------------------------|
| Suborder LUCINACEA. | | | | | | |
| Family UNGULINIDÆ. | | | | | | |
| Genus TELLIMYA Brown. | | | | | | |
| 207 | <i>T. ferruginosa</i> Montagu..... | 45 | 13 | 8.5 | $\frac{364}{137}$ | Norway.... |
| 208 | <i>T. tumidula</i> Jeffreys | | | | | Arctic Sea... |
| 209 | <i>T. elevata</i> Stimson | 68 | 6 | | $\frac{2}{63}$ | Maine..... |
| Genus CRYPTODON Turton. | | | | | | |
| 210 | <i>C. obesus</i> Verrill | 58 | 12 | | $\frac{12}{1290}$ | Arctic Sea... |
| 211 | <i>C. ovoidens</i> Dall | | | | 353 | S. Carolina.. |
| 212 | <i>C. grandis</i> Verrill and Smith | 46 | 22 | 21.0 | $\frac{933}{1382}$ | Delaware ... |
| 213 | <i>C. pyriformis</i> Dall | | | | $\frac{85}{31}$ | Cape Fear... |
| 214 | <i>C. ferruginosus</i> Forbes | | | | $\frac{100}{167}$ | Arctic Sea... |
| 215 | <i>C. tortuosus</i> Jeffreys | | | | $\frac{500}{1290}$ | N. Atlantic.. |
| 216 | <i>C. Gouldii</i> Philippi..... | 58 | 2 | | $\frac{6}{300}$ | Arctic Sea... |
| Family CYRENELLIDÆ. | | | | | | |
| Genus CYRENOIDEA Joannis. | | | | | | |
| 217 | <i>C. floridana</i> Dall..... | | | | | Fernandina .. |
| Family LUCINIDÆ. | | | | | | |
| Genus LUCINA Bruguière. | | | | | | |
| Subgenus Divaricella Von Martens. | | | | | | |
| 218 | <i>D. dentata</i> Wood | 58 | 6 | | $\frac{6}{32}$ | George's B'k. |
| 219 | <i>D. quadrisulcata</i> Orbigny | | | | | Hatteras |
| Subgenus Lucina s. s. | | | | | | |
| 220 | <i>L. pennsylvanica</i> Linné..... | | | | | Hatteras |
| 221 | <i>L. filosa</i> Stimpson..... | 58 | 14 | | $\frac{13}{300}$ | Arctic Sea... |
| 222 | <i>L. jamaicensis</i> Lamarck..... | | | | | St. Augustine |
| 223 | <i>L. floridana</i> Conrad | | | | | Cedar Keys... |
| 224 | <i>L. tigrina</i> Linné | | | | | St. Augustine |
| 225 | <i>L. pecten</i> Lamarck..... | | | | | Tampa |
| 226 | <i>L. lenticula</i> Reeve | | | | $\frac{6}{300}$ | Turtle Harb. |
| 227 | <i>L. pectinella</i> C. B. Adams | | | | | Cape Florida |
| 228 | <i>L. squamosa</i> Lamarck | | | | $\frac{0}{24}$ | C. Lookout.. |
| 229 | <i>L. costata</i> Tuomey & Holmes | | | | $\frac{2}{140}$ | Hatteras |
| 230 | <i>L. crenulata</i> Conrad..... | | | | $\frac{15}{124}$ | Hatteras |
| 231 | <i>L. trisulcata</i> Conrad | | | | $\frac{0}{3}$ | Hatteras |
| 232 | <i>L. leucocyma</i> Dall | | | 5.6 | $\frac{6}{333}$ | Hatteras |
| 233 | <i>L. sombreroensis</i> Dall | | | 6.5 | $\frac{50}{72}$ | Gulf of Mex. |

TABLE II. B.—*List of Pelecypoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber- mu- ca. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|--------------------|------|----------|-------------------------|----------------|
| ? | | | | | | | | | | * | | Rhode Id? .. | |
| † | | † | | | | | | | | † | | Hatteras ... | |
| ? | | † | | | | | | | | | | Hatteras ... | |
| † | | *† | † | † | † | | | | | | | Cape Florida | |
| | | † | | | | | | | | | | | |
| † | † | † | | | | | | | | | | Hatteras ... | |
| | | † | | | † | | | † | | | | Yucatan ... | |
| † | † | † | | | | | | | | † | † | Hatteras ... | |
| † | | † | | | | | | | | † | | Hatteras ... | |
| * | | | | | | | | | | | | Rhode Id. | P. Pliocene. |
| | | | | | | | | | | | | | |
| | | | | * | * | * | | | | | | Florida Keys | Pliocene. |
| | | | | | | | | | | | | | |
| | | †* | | | | | | †* | | | | Brazil. | |
| | | * | * | * | † | * | | †* | | | | Trinidad ... | |
| | | | | | | | | | | | | | |
| | | * | | * | * | * | | * | | | | Guadalupe .. | Pliocene. . |
| † | † | *† | | | † | | | † | | | | Patagonia... | P. Pliocene. |
| | | | * | | | * | * | * | | | | Guadalupe .. | Pliocene. |
| | | | | | * | * | | | | | | Key West ... | |
| | | | * | | * | * | * | * | * | | | Aspinwall.. | Pliocene. |
| | | | | * | * | * | | * | * | | | Curaçoa.... | P. Pliocene. |
| | | | | | † | | | † | | | | Cuba | |
| | | | | | † | | | * | | | | Jamaica.... | |
| | | * | | | * | * | | * | * | | | Guadalupe .. | |
| | | * | | | * | * | | † | | | | Yucatan.... | Pliocene. |
| | | †* | | * | * | * | | * | | | | Cuba | Pliocene. |
| | | * | | | * | * | | * | | | | Cuba | Pliocene. |
| | | † | | | † | | | † | | | | Sombrero .. | |
| | | | | | † | † | | † | | | | Sombrero .. | |

TABLE II. B.—*List of Pelecypoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|---------------------------------|--|-----|-----------|--------------|----------------------------|-------------------------|
| 234 | <i>L. sagrinata</i> Dall | | | 7.6 | $\frac{85}{300}$ | Gulf of Mex. |
| 235 | <i>L. multilineata</i> Conrad | | | 15.0 | $\frac{287}{200}$ | C. Lookout.. |
| 236 | <i>L. lintea</i> Conrad | | | | $\frac{0}{200}$ | Hatteras |
| 237 | <i>L. scabra</i> Lamarck | | | | $\frac{10}{182}$ | Florida Str.. |
| Genus LORIPES Poli. | | | | | | |
| 238 | <i>L. edentula</i> Linné | | | | $\frac{5}{50}$ | Hatteras |
| 239 | var. <i>chrysostoma</i> Mörch | | | | | Tampa |
| 240 | <i>L. lens</i> Verrill and Smith | | | | $\frac{5}{184}$ | Cape Cod ... |
| 241 | <i>L. compressa</i> Dall | 14 | 2 | 10.0 | $\frac{724}{424}$ | Gulf of Mex. |
| Family DIPLODONTIDÆ. | | | | | | |
| Genus DIPLODONTA Turton. | | | | | | |
| 242 | <i>D. turgida</i> V. & S | { | 45 10, 11 | 25.0 | $\frac{15}{179}$ | Rhode Island |
| | | | 64 136 | | | |
| | | | 65 135 | | | |
| 243 | <i>D. subglobosa</i> C. B. Adams | | | | $\frac{2}{124}$ | Hatteras |
| 244 | <i>D. soror</i> C. B. Adams | | | | | Tortugas |
| 245 | <i>D. semiaspera</i> Philippi | | | | $\frac{24}{124}$ | Hatteras |
| Suborder CHAMACEA. | | | | | | |
| Family CHAMIDÆ. | | | | | | |
| Genus CHAMA Bruguière. | | | | | | |
| 246 | <i>C. arcinella</i> Linné | | | | $\frac{2}{6}$ | Hatteras |
| 247 | <i>C. sarda</i> Reeve | | | | $\frac{8}{8}$ | Cape Florida |
| 248 | <i>C. congregata</i> Conrad | | | | $\frac{2}{52}$ | Hatteras |
| 249 | <i>C. macrophylla</i> Chemnitz | | | | $\frac{0}{287}$ | Tampa |
| 250 | <i>C. lactuca</i> Dall | | | 25.0 | $\frac{63}{100}$ | Hatteras |
| Suborder CARDIACEA. | | | | | | |
| Family CARDIIDÆ. | | | | | | |
| Genus CARDIUM Linné. | | | | | | |
| 251 | <i>C. magnum</i> Born | | | | | Virginia |
| 252 | <i>C. isocardia</i> Linné | | | | | Hatteras |
| 253 | <i>C. muricatum</i> Linné | | | | | N. Carolina.. |
| 254 | <i>C. antillarum</i> Orbigny | 4 | 6 | 8.2 | $\frac{2}{182}$ | Florida Str.. |
| 255 | <i>C. pinnulatum</i> Conrad | 58 | 5 | | $\frac{1}{266}$ | Labrador.... |
| 256 | <i>C. islandicum</i> Linné | | | | $\frac{5}{50}$ | Arctic Sea... |
| 257 | <i>C. peramabilis</i> Dall | { | 4 7 | 12.5 | $\frac{18}{164}$ | Rhode Island |
| | | | 40 4 | | | |
| 258 | var. <i>tinctum</i> Dall | | | | $\frac{7\frac{1}{2}}{100}$ | Key West ... |
| 259 | <i>C. medium</i> Linné | | | | | C. Lookout .. |

TABLE II. B.—*List of Pelecypoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | | | | † | † | | † | | | | Yucatan . . . | |
| | | | | *† | * | * | | † | | | | Grenada . . . | Pliocene. |
| | | | | † | *† | * | | * | | | | Cuba | Pliocene. |
| | | | | | † | | | † | | | * | Guadalupe . . | |
| | | † | | | * | * | * | | * | | | Martinique . . | Pliocene. |
| | | | | | * | * | | | | | | Santa Cruz . . | |
| | | | | | † | | | † | | | | Grenada | |
| | | | | | | | † | † | | | | Sombrero . . . | |
| † | | †* | | | | | | † | | | | Grenada | |
| | | †* | | | * | * | | *† | | | | Trinidad | Pliocene. |
| | | | | | * | | | * | | | | Jamaica | |
| | | †* | † | † | * | | | †* | | | | St. Thomas . . | Pliocene. |
| | | * | | | * | * | * | * | | | | Guadalupe . . | Pliocene. |
| | | | | | *† | | | *† | | | | Trinidad | |
| | | * | | | | * | | * | | | | Yucatan | Miocene. |
| | | ? | | | * | * | | *† | * | | | Curacao | Pliocene. |
| | | † | | | | | | † | | | | Barbados | |
| | | * | * | * | * | * | * | * | | | | Cuba | Pliocene. |
| | | * | | | * | * | | * | * | | | Trinidad | |
| | | * | * | * | * | * | * | * | | | | Trinidad | Pliocene. |
| | | | | | * | | | †* | | | | Guadalupe . . | Pliocene. |
| | | †* | | | | | | | | | | C. Lookout . . | P. Pliocene. |
| ? | | *? | | | | | | | | | | Hatteras | |
| | | † | | † | † | † | | *† | | | | Grenada | |
| | | | | | †* | | | †* | | | | Barbados | |
| | | * | * | | * | * | | † | | | | Brazil | Pliocene. |

TABLE II. B.—*List of Pelecypoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|---|-------------------------------------|----------|----------|--------------|--------------------|-------------------------|
| Subgenus <i>Papyridea</i> Swainson. | | | | | | |
| 260 | <i>P. bullata</i> Linné..... | ..... | ..... | ..... | $\frac{3}{300}$ | Hatteras |
| 261 | <i>P. Petitiانا</i> Orbigny ..... | ..... | ..... | ..... | $\frac{3}{300}$ | Cape Florida. |
| Subgenus <i>Liocardium</i> Swainson. | | | | | | |
| 262 | <i>L. serratum</i> Linné ..... | ..... | ..... | ..... | $\frac{0}{82}$ | Hatteras |
| 263 | <i>L. laevigatum</i> Linné ..... | ..... | ..... | ..... | $\frac{7}{8}$ | Hatteras |
| 264 | <i>L. Mortoni</i> Conrad..... | 58 | 8 | 21.0 | $\frac{0}{8}$ | Nova Scotia |
| Family VENILIIDÆ. | | | | | | |
| Genus <i>CYPRINA</i> Lamarck. | | | | | | |
| 265 | <i>C. islandica</i> Linné | 57 | 1 | 58.0 | $\frac{6}{90}$ | Arctic Ocean |
| Family ISOCARDIIDÆ. | | | | | | |
| Genus <i>ISOCARDIA</i> Lamarck. | | | | | | |
| Subgenus <i>Meiocardia</i> H. & A. Adams. | | | | | | |
| 266 | <i>M. Agassizii</i> Dall..... | 40 | 7 | 22.0 | 117 | ..... |
| Genus <i>CALLOCARDIA</i> A. Adams. | | | | | | |
| Subgenus <i>Vesicomya</i> Dall. | | | | | | |
| 267 | <i>V. pilula</i> Dall | 8 | 13 | 2.6 | $\frac{204}{1591}$ | Fernandina |
| 268 | <i>V. venusta</i> Dall | 40 | 5 | 19.0 | $\frac{107}{801}$ | Cape Fear |
| Suborder VENERACEA. | | | | | | |
| Family VENERIDÆ. | | | | | | |
| Genus <i>VENUS</i> Linné. | | | | | | |
| 269 | <i>V. mercenaria</i> Linné..... | 55 71 | 7 1,3 | 75.0 | ..... | Nova Scotia |
| 270 | var. <i>Mortoni</i> Conrad..... | | | | | Hog Isl'd, Va. |
| 271 | <i>V. crispata</i> Deshayes..... | ..... | ..... | ..... | ..... | Gulf of Mex. |
| 272 | <i>V. rugosa</i> Gmelin ..... | ..... | ..... | ..... | $\frac{0}{85}$ | Hatteras |
| 273 | var. <i>rugatina</i> Heilprin ..... | ..... | ..... | ..... | $\frac{20}{84}$ | Tampa |
| 274 | <i>V. pilula</i> Reeve ..... | ..... | ..... | ..... | $\frac{70}{300}$ | Gulf of Mex. |
| 275 | <i>V. cribraria</i> Conrad..... | ..... | ..... | ..... | $\frac{15}{124}$ | Hatteras |
| 276 | <i>V. cancellata</i> Linné..... | ..... | ..... | ..... | ..... | Hatteras |
| 277 | <i>V. Beau</i> Recluz ..... | ..... | ..... | ..... | ..... | Key West |
| 278 | <i>V. Lamarekii</i> Gray..... | ..... | ..... | ..... | $\frac{15}{127}$ | Hatteras |
| 279 | <i>V. granulata</i> Gmelin..... | ..... | ..... | ..... | ..... | Tortugas |
| 280 | <i>V. pygmæa</i> Lamarck..... | ..... | ..... | ..... | ..... | Hatteras |
| 281 | <i>V. varicosa</i> Sowerby ..... | ..... | ..... | ..... | $\frac{14}{124}$ | Hatteras |
| Subgenus <i>Anomalocardia</i> Schum. | | | | | | |
| 282 | <i>A. rostrata</i> Sowerby ..... | ..... | ..... | ..... | ..... | Jupiter Inlet |

TABLE II. B.—*List of Pelecypoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|-----------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | * | * | | * | *† | | *† | | | ? | Brazil | |
| | | | | | * | | | *† | | | | Trinidad | |
| | | * | * | * | * | * | | * | * | | | Guadalupe .. | |
| | | * | * | * | *† | * | | *† | * | | | Guadalupe .. | |
| | | * | * | * | | * | | | | | | Charlotte H. | P. Pliocene. |
| | | * | | | | | | | | *† | | Hatteras | Pliocene. |
| | | | | | | | | † | | | | Trinidad | |
| | | | † | | † | | | † | | | | Bequia | |
| | | † | | | † | | | † | | | | Cuba | |
| * | * | * | * | * | * | * | * | | | * | | Yucatan | Miocene. |
| | * | * | * | * | * | * | * | | | | | Florida Keys. | Miocene. |
| | | | | | * | * | | * | | | | Porto Rico .. | |
| | | † | | | † | | | †* | | | | Rio Janeiro .. | |
| | | | | | † | * | | | | | ? | Florida Str.. | Pliocene. |
| | | | | | † | | † | † | | | | Barbados | |
| | | †* | | | | * | * | | | | | Honduras | Miocene. |
| | | * | | * | * | * | | * | * | | | Trinidad | |
| | | | | | * | | | * | | | | Aspinwall .. | |
| | | †* | | | † | | | † | | | | Barbados | |
| | | | | | † | | | * | | | | Carthage-na.. | |
| | | *† | * | * | * | * | | * | | | | Guadalupe .. | |
| | | *† | | * | | * | * | * | | | | Barbados | Miocene. |
| | | | | * | * | * | * | * | | | | Cuba | |

TABLE II. B.—List of Pelecypoda—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | North or extreme range. |
|--------------------------------------|--|----------|------------|--------------|------------------|-------------------------|
| Genus GEMMA Deshayes. | | | | | | |
| 283 | <i>G. purpurea</i> H. C. Lea | 56 | 11 | ..... | ..... | Labrador |
| 284 | — var. <i>manhattanensis</i> Prime ..... | ..... | ..... | ..... | ..... | Cape Cod |
| Genus CYTHEREA Lamarck. | | | | | | |
| 285 | <i>C. Simpsoni</i> Dall ..... | ..... | ..... | ..... | ..... | Tampa |
| 286 | <i>C. convexa</i> Say | 56 64 | 15 142a | 50.0 | $\frac{0}{83}$ | Pr. Edw. Isl |
| 287 | <i>C. albida</i> Gmelin | | | | | Florida Str |
| 288 | <i>C. ?obovata</i> Conrad ..... | ..... | ..... | ..... | $\frac{18}{70}$ | C. Lookout |
| 289 | <i>C. hebraea</i> Lamarck ..... | ..... | ..... | ..... | $\frac{0}{83}$ | Hatteras |
| 290 | <i>C. ———</i> ..... | ..... | ..... | ..... | $\frac{25}{111}$ | Hatteras |
| 291 | <i>C. ? idonea</i> Conrad ..... | ..... | ..... | ..... | ..... | Texas |
| Subgenus Callista Mörch. | | | | | | |
| 292 | <i>C. maculata</i> Linné ..... | ..... | ..... | ..... | $\frac{0}{8}$ | Hatteras |
| 293 | <i>C. gigantea</i> Gmelin ..... | ..... | ..... | ..... | ..... | Hatteras |
| Subgenus Transennella Dall. | | | | | | |
| 294 | <i>T. Conradina</i> Dall ..... | ..... | ..... | ..... | $\frac{0}{31}$ | Hatteras |
| 295 | <i>T. cubaniana</i> Orbigny ..... | ..... | ..... | ..... | $\frac{0}{8}$ | Cape Florida |
| Subgenus Dione Gray. | | | | | | |
| 296 | <i>D. Dione</i> Linné ..... | ..... | ..... | ..... | ..... | Gulf of Mex |
| Subgenus Tivela Link. | | | | | | |
| 297 | <i>T. mactroides</i> Born ..... | ..... | ..... | ..... | ..... | Florida Keys? |
| Subgenus Veneriglossa Dall. | | | | | | |
| 298 | <i>V. vesica</i> Dall ..... | ..... | ..... | 22.0 | $\frac{84}{175}$ | Florida Str |
| Genus DOSINIA Scopoli. | | | | | | |
| 299 | <i>D. discus</i> Reeve ..... | ..... | ..... | ..... | ..... | Virginia |
| 300 | <i>D. elegans</i> Conrad ..... | ..... | ..... | ..... | ..... | Hatteras |
| Genus LUCINOPSIS F. & H. | | | | | | |
| 301 | <i>L. tenuis</i> Recluz ..... | ..... | ..... | ..... | $\frac{0}{8}$ | Hatteras |
| Family CORBICULIDÆ. | | | | | | |
| Genus CYRENA Lamarck. | | | | | | |
| Section LEPTOSIPHON, Fischer. | | | | | | |
| 302 | <i>C. carolinensis</i> Bosc ..... | ..... | ..... | ..... | ..... | Georgia |

TABLE II. B.—List of *Pelecypoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| * | * | * | | | | | | | | | | N. Carolina.. | |
| * | * | * | | | | | | | | | | N. Carolina.. | |
| | | | | | * | * | | * | | | | Martinique .. | Pliocene. |
| * | * | *† | | | | * | | | | | | Tampa | |
| | | | | | * | | | * | | | | N. Grenada .. | |
| | | * | | | | *† | | † | | | | Grenada | |
| | | *† | | | †* | * | | †* | * | | | Barbados.... | |
| | | * | | | † | † | | | | | | Gulf of Mex .. | |
| | | | | | | | * | | | | | Gulf of Mex .. | |
| | | * | * | * | * | * | * | * | | | | Guadalupe .. | |
| | | * | | | * | * | * | * | | | | Cuba? | |
| | | * | | | * | * | | | | | | Key West ... | |
| | | | | | * | | | * | | | | Santa Cruz.. | |
| | | | | | * | | * | * | | | | Aspinwall... | |
| | | ? | | | * | | | * | | | | Carthagena .. | |
| | | | | | † | | | † | | | | Barbados.... | |
| | * | * | * | * | | * | * | | | | | Vera Cruz... | |
| | | * | * | * | * | * | * | * | | | | Aspinwall... | |
| | | * | | | * | * | | * | | | | Trinidad ... | |
| | | | * | | * | * | * | * | | | | Cuba..... | |

TABLE II. B — *List of Pelecypoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|----------|--|----------|------------|--------------|-----------------|-------------------------|
| | Section EGETA, H. & A. Adams. | | | | | |
| 303 | <i>C. floridana</i> Conrad | | | | | Tampa |
| | Suborder TELLINACEA. | | | | | |
| | Family PETRICOLIDÆ. | | | | | |
| | Genus PETRICOLA Lamarck. | | | | | |
| 304 | <i>P. pholadiformis</i> Lamarck | 59 64 | 15 140a | | | Pr. Edw. Isl. |
| 305 | var. <i>dactylus</i> Lamarck | | | | | Maine |
| 306 | <i>P.</i> | | | | Coral | Florida Keys. |
| | Subgenus <i>Choristodon</i> Jonas. | | | | | |
| 307 | <i>C. robusta</i> Sowerby | | | | | Cape Florida |
| 308 | <i>C.?</i> <i>cancellata</i> Verrill | | | 8.0 | 70 | Chesapeake |
| | Subgenus <i>Naranaio</i> Gray. | | | | | |
| 309 | <i>N. lapicida</i> Gmelin | | | | $\frac{0}{65}$ | Florida Keys. |
| | Genus CORALLIOPHAGA Blainv. | | | | | |
| 310 | <i>C. carditoidea</i> Blainville | | | | $\frac{0}{30}$ | Cedar Keys.. |
| | Family DONACIDÆ. | | | | | |
| | Genus DONAX Linné. | | | | | |
| 311 | <i>D. denticulatus</i> Linné | | | | | Texas |
| 312 | <i>D. variabilis</i> Say | | | | | Hatteras |
| 313 | <i>D. fossor</i> Say | | | 12.5 | | New Jersey.. |
| 314 | <i>D. obesa</i> Orbigny | | | | | St. Augustine |
| | Genus IPHIGENIA Schum. | | | | | |
| 315 | <i>I. braziliana</i> Lamarck. | | | | | Indian River. |
| | Genus HETERODONAX Mörch. | | | | | |
| 316 | <i>H. bimaculata</i> Linné | | | | | Fernandina .. |
| | Family PSAMMOBIIDÆ. | | | | | |
| | Genus PSAMMOBIA Lamarck. | | | | | |
| 317 | <i>P. vaginatus</i> Reeve | | | 30.0 | | Charlotte H. |
| | Genus TAGELUS Gray. | | | | | |
| 318 | <i>T. gibbus</i> Spengler | 55 56 | 3 3 | 80.0 35.0 | | Cape Cod ... |
| 319 | <i>T. divisus</i> Spengler | | | | 56 | 5 |  | Cape Cod ... |
| | Genus SOLETELLINA Blainv. | | | | | |
| 320 | <i>S. rufescens</i> Chemnitz | | | | | Gulf of Mex. |

TABLE II. B.—*List of Pelecypoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | | | | | * | | | | | | | |
| | | | | | | | | | | | | | |
| * | * | * | * | * | * | | * | * | | | | St. Thomas.. | Pliocene. |
| * | | * | | | * | | | | | | | S. Carolina.. | Pliocene. |
| | | | | | * | | | | | | | | |
| | | * | | | * | * | | * | | | | Guadalupe .. | |
| * | * | | | | | | | | | | | | |
| | | | | | * † | | | * | | | | Martinique.. | |
| | | | | | | * | * | * | * | | | St. Thomas.. | |
| | | | | | * | * | * | * | | | | Rio Janeiro .. | |
| | | * | * | * | * | * | * | * | | | | St. Thomas.. | |
| * | * | * | * | * | * | * | * | | | | | Florida Keys. | |
| | | | * | | | | * | | | | | Texas | |
| | | | | * | * | * | * | * | | | | Brazil | |
| | | | * | * | * | * | | * | * | | * | Trinidad ... | |
| | | | | | | † * | | | | | | | |
| * | * | * | * | * | | * | * | * | | * | ? | Trinidad | Miocene. |
| * | * | * | * | | * | * | | * | | | | Guadalupe .. | Pliocene. |
| | | | | | | | * | | | | * | Aspinwall... | |

TABLE II. B.—*List of Pelecypoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|----------|--------------------------------------|------------|------------|--------------|----------------------------|-------------------------|
| | Genus SANGUINOLARIA Lamarck. | | | | | |
| 321 | <i>S. rosea</i> Lamarck..... | | | | | Gulf of Mex. |
| | Genus ASAPHIS Modeer. | | | | | |
| 322 | <i>A. deflorata</i> Linné..... | | | | | Charlotte H. |
| | Family TELLINIDÆ. | | | | | |
| | Genus TELLINA Linné. | | | | | |
| 323 | <i>T. magna</i> Spengler..... | | | | | Hatteras.... |
| 324 | <i>T. radiata</i> Linné..... | | | | | Cedar Keys.. |
| 325 | <i>T. lævigata</i> Linné..... | | | | | Tampa..... |
| 326 | <i>T. fausta</i> Solander..... | | | | | Hatteras.... |
| 327 | <i>T. alternata</i> Say..... | | | | | Hatteras.... |
| 328 | <i>T. striata</i> Hanley..... | | | | | Florida Keys. |
| 329 | <i>T. nitida</i> Lamarck..... | | | | | |
| 330 | var. <i>carolinensis</i> Dall..... | | | | $\frac{0}{30}$ | Hatteras.... |
| 331 | <i>T. interrupta</i> Wood..... | | | | | C. Lookout.. |
| 332 | <i>T. lineata</i> Turton..... | | | | | St. Augustine |
| 333 | <i>T. squamifera</i> Deshayes..... | | | | $\frac{2\frac{2}{3}}{3}$ | Hatteras.... |
| 334 | <i>T. sybaritica</i> Dall..... | 6 | 11 | 7.0 | $\frac{0}{5\frac{1}{2}}$ | Gulf of Mex. |
| 335 | <i>T. tenella</i> Verrill..... | 56 | 12 | | $\frac{1}{10}$ | Cape Cod... |
| 336 | <i>T. tenera</i> Say..... | { 55 56 | { 1 13} | 8.0 | $\frac{0}{30}$ | Gaspé..... |
| 337 | <i>T. versicolor</i> Cozzens..... | | | | $\frac{1\frac{1}{2}}{8}$ | New York.... |
| 338 | <i>T. polita</i> Say..... | | | | | N. Carolina.. |
| 339 | <i>T. modesta</i> Verrill..... | | | | | Hatteras.... |
| 340 | <i>T. decora</i> Say..... | | | | $\frac{0}{3}$ | Bermuda.... |
| 341 | <i>T. iris</i> Say..... | | | | | N. Carolina.. |
| 342 | <i>T. mera</i> Say..... | | | | | Tampa..... |
| 343 | <i>T. cuneata</i> Orbigny..... | | | | | Tampa..... |
| 344 | <i>T. ———</i> | | | | | Key West.... |
| 345 | <i>T. lintea</i> Conrad..... | | | | $\frac{0}{30}$ | Hatteras.... |
| 346 | <i>T. Gouldii</i> Hanley..... | | | | $\frac{0}{30}$ | Hatteras.... |
| | Genus MACOMA Leach. | | | | | |
| 347 | <i>M. constricta</i> Bruguière..... | | | | | Hatteras.... |
| 348 | <i>M. brevifrons</i> Say..... | | | | | S. Carolina.. |
| 349 | <i>M. tenta</i> Say..... | 56 | 10 | | $\frac{2}{37}$ | Cape Cod... |
| 350 | var. <i>Souleyetiana</i> Recluz..... | | | | | St. Augustine |
| 351 | <i>M. limula</i> Dall..... | | | 17.0 | $\frac{2\frac{2}{3}}{100}$ | C. Lookout.. |
| 352 | <i>M. ———</i> | | | 13.5 | 32 | Cedar Keys.. |
| 353 | <i>M. baltica</i> Linné..... | 56 | 6 | | | Arctic Sea... |
| 354 | <i>M. cerina</i> C. B. Adams..... | | | | | Shark R., Fla. |
| 355 | <i>M. tampaensis</i> Conrad..... | | | | | St. Andr's B. |

TABLE II. B.—*List of Pelecypoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | | | | | * | * | * | * | | * | Trinidad . . . | |
| | | | | | * | * | | * | | | | Brazil. | |
| | | * | | * | * | * | | * | | | | St. Thomas . . | |
| | | | | * | * | * | | * | * | | | Guadalupe . . | |
| | | | | | * | * | | * | * | | | Guadalupe . . | |
| | | * | | * | * | * | | * | | | | Trinidad . . . | |
| | ? | * | * | * | * | * | * | * | | | | Haiti | Pliocene. |
| | | | | | * | | | * | | | | N. Grenada . . | |
| | | | | | | | | | | * | | Medit'anean | |
| | | * † | | | | * | | * | | | | St. Thomas . . | |
| | | * | | * | * | * | | * | * | | * | Brazil. | |
| | | | * | * | * | * | | * | | | | Brazil. | |
| | | * † | | * | * | * | | * † | | | | Sombrero . . . | |
| | | | | | * | * | | † | | | | Brazil. | |
| | | | | | * | | | | | | | Tampa | |
| * | * | * | * | | * | * | | * † | | | | Barbados . . . | Pliocene. |
| | | * | * | | | * | | * † | | | | Barbados . . . | |
| | | * | * | * | | * | | | | | | Sarasota . . . | |
| | | * | | * | * | * | * | | * | | | Yucatan . . . | |
| | | | | * | * | * | | * | * | | | Aspinwall . . | |
| | | * | * | * | | * | | * | | | | Guadalupe . . | |
| | | | | * | * | * | | * | | | | St. Thomas . . | |
| | | | | | * | * | | * | | | | Guadalupe . . | |
| | | | | | * | | | * | * | | | Curaçoa . . . | |
| | | * | | | * | * | | * | | | | Jamaica . . . | |
| | | * | | * | * | | | * | | | | Yucatan . . . | |
| | | * | | * | | * | * | * | | | | Trinidad . . . | |
| | | * | | * | * | * | * | * | | | | R. La Plata . . | |
| * | * | * | * | * | * | * | | * | | | | Haiti | |
| | | | | * | * | * | | * | | | | Guadalupe . . | |
| | | * | | | * | * | | * | | | | Barbados . . . | |
| * | * | * | * | | | | | | | | | Georgia | Pliocene. |
| | | | | * | * | * | | * | | | | Jamaica | |
| | | | | | * | * | | * | | | | Charlotte H . . | |

TABLE II. B.—*List of Pelecypoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|----------|-------------------------------------|-----|-------|--------------|--------------------|-------------------------|
| | Genus TELLIDORA Mörch. | | | | | |
| 356 | <i>T. cristata</i> Recluz | | | | | N. Carolina |
| | Genus STRIGILLA Turton. | | | | | |
| 357 | <i>S. carnaria</i> Linné | | | | | Hatteras |
| 358 | <i>S. pisiformis</i> Linné | | | | | Key West |
| 359 | <i>S. flexuosa</i> Say | | | | $\frac{3}{30}$ | Hatteras |
| | Genus LUTRICOLA Blainville. | | | | | |
| 360 | <i>L. interstriata</i> Say | | | | | Florida Keys |
| | Genus GASTRANELLA Verrill. | | | | | |
| 361 | <i>G. tumida</i> Verrill | 59 | 8 | 4.0 | $\frac{1}{2}$ | Connecticut |
| | Family SEMELIDÆ. | | | | | |
| | Genus ABRA (Leach) Risso. | | | | | |
| 362 | <i>A. longicallus</i> Scacchi | | | | $\frac{5.0}{1467}$ | Arctic Sea |
| 363 | <i>A. æqualis</i> Say | | | | | Connecticut? |
| 364 | <i>A. lioica</i> Dall | 4 | 8 | 8.1 | $\frac{1.4}{860}$ | Rhode Island |
| | Genus CUMINGIA Sowerby. | | | | | |
| 365 | <i>C. tellinoides</i> Conrad | 56 | 14 | 18.0 | $\frac{0}{30}$ | Cape Cod |
| | Genus ERVILIA Turton. | | | | | |
| 366 | <i>E. nitens</i> Montagu | | | | | Tortugas |
| 367 | <i>E. concentrica</i> Gould | | | | $\frac{0}{124}$ | Hatteras |
| | Genus SEMELE Schumacher. | | | | | |
| 368 | <i>S. reticulata</i> Gmelin | | | | | Virginia |
| 369 | <i>S. obliqua</i> Wood | | | | | Cape Fear |
| 370 | <i>S. cancellata</i> Orbigny | | | | | Hatteras |
| 371 | <i>S. nucleoides</i> Conrad | | | | $\frac{0}{124}$ | Hatteras |
| | Family GNATHODONTIDÆ. | | | | | |
| | Genus GNATHODON Gray. | | | | | |
| 372 | <i>G. cuneata</i> Conrad | | | | | Gulf of Mex. |
| 373 | <i>G. rostrata</i> Petit | | | | | Gulf of Mex. |
| | Suborder MACTRACEA. | | | | | |
| | Family MACTRIDÆ. | | | | | |
| 374 | <i>M. solidissima</i> Dillwyn | 57 | 2 | 150.0 | | Labrador |
| 375 | var. <i>similis</i> Say | | | | | Hatteras |
| 376 | <i>M. brasiliانا</i> Lamarck | | | | | Hatteras |
| 377 | <i>M. lateralis</i> Say | 69 | 8 | | | N. Brunswick |

TABLE II. B.—*List of Pelecypoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber- muda. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|---------------|------|----------|-------------------------|----------------|
| | | * | | | * | * | | * | | | | Trinidad ... | Pliocene. |
| | | * | | | * | | | * | | | ? | Trinidad ... | Pliocene. |
| | | | | | * | | | * | | | | Guadalupe .. | |
| | | * | * | | * | * | | * | | | | Haiti | P. Pliocene. |
| | | | | | * | * | | * | * | | | Guadalupe .. | |
| | | * | | | | | | | | | ? | C. Lookout.. | |
| † | † | | | | † | † | | † | | | | Grenada | Pliocene. |
| | | * | * | * | | * | * | | | | | Gulf of Mex. | Miocene. |
| | | †* | | | †* | * | | *† | | | | Martinique.. | |
| * | * | * | | | * | * | | * | | | | Guadalupe .. | Miocene. |
| | | | | | * | | | * | | | | Guadalupe .. | Pliocene. |
| | | †* | * | | * | * | | * | | | | Key West ... | |
| | | * | * | | * | * | * | * | * | | | Guadalupe .. | |
| | | * | | | * | * | | * | | | | Trinidad | |
| | | *† | | | * | * | | * | * | | | Martinique .. | Pliocene. |
| | | *† | | | | * | | | | | | Tampa | Miocene. |
| | | * | | | | | | | | | | | |
| | | | | | | * | * | | | | | W. Florida .. | Pliocen . |
| | | | | | | | * | | | | | Texas | |
| * | | * | | | | | | | | | | Hatteras | Miocene. |
| | | * | * | * | * | * | * | *? | | | | St. Thomas.. | Pliocene. |
| | | * | * | * | * | * | * | * | | | | Brazil | Pliocene. |
| * | * | * | * | * | * | * | * | | | | | Florida Str.. | Miocene, |

TABLE II. B.—List of Pelecypoda—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|---------------------------------------|--|------------|---------------------|--------------|-------------------|-------------------------|
| Genus LABIOSA Schmidt. | | | | | | |
| 378 | <i>L. lineata</i> Say | | | | | New Jersey.. |
| 379 | <i>L. canaliculata</i> Say | | | | | New Jersey.. |
| Order ANOMALODESMACEA. | | | | | | |
| Suborder ANATINACEA. | | | | | | |
| Family ANATINIDÆ. | | | | | | |
| Genus THRACIA Blainv. | | | | | | |
| 380 | <i>T. Conradi</i> Couthouy..... | 69 | 9 | | $\frac{3}{16}$ | Labrador.... |
| 381 | <i>T. Stimpsoni</i> Dall..... | | | 65.0 | 23 | ..... |
| 382 | <i>T. corbuloidea</i> Blainville..... | | | | $\frac{1}{30}$ | Hatteras.... |
| 383 | <i>T. distorta</i> Montagu | | | | | Gulf of Mex.. |
| 384 | <i>T. phaseolina</i> Lamarek..... | | | | | Britain..... |
| Genus ASTHENOTHÆRUS Cpr. | | | | | | |
| 385 | <i>A. Hemphillii</i> Dall | | | 6.25 | $\frac{2}{7}$ | Gulf of Mex.. |
| Subgenus <i>Bushia</i> Dall. | | | | | | |
| 386 | <i>B. elegans</i> Dall | 39 | 1 | 12.5 | $\frac{5}{8}$ | Florida Str.. |
| Genus PERIPLOMA Schum. | | | | | | |
| 387 | <i>P. inæquivalvis</i> Schumacher..... | | | | | Texas?..... |
| 388 | <i>P. angulifera</i> Philippi..... | | | | | Gulf of Mex.. |
| 389 | <i>P. tenera</i> Jeffreys | | | | | Hatteras.... |
| 390 | <i>P. fragilis</i> Totten | 59 | 7 | | $\frac{10}{100}$ | Labrador.... |
| 391 | <i>P. papyracea</i> [Say] Conrad | | | | | Gulf of Mex.. |
| Subgenus <i>Cochlodesma</i> Couthouy. | | | | | | |
| 392 | <i>C. Leanum</i> Conrad | 59 | 6 | 32.5 | | Nova Scotia. |
| Family LYONSIIDÆ. | | | | | | |
| Genus LYONSIA Turton. | | | | | | |
| 393 | <i>L. hyalina</i> Conrad | 59 | 11 | | $\frac{0}{30}$ | Nova Scotia. |
| 394 | <i>L. floridana</i> Conrad..... | | | | $\frac{2}{8}$ | Gulf of Mex.. |
| 395 | <i>L. Beana</i> Orbigny | | | | $\frac{0}{30}$ | Hatteras.... |
| 396 | <i>L. formosa</i> Jeffreys..... | | | 10.0 | $\frac{200}{200}$ | N. Atlantic.. |
| 397 | <i>L. ? arata</i> Verrill | { 45 65 | { 4, 5, 6 133-4} | | $\frac{1}{34}$ | Rhode Island |
| Genus LYONSIELLA M. Sars. | | | | | | |
| 398 | <i>L. insculpta</i> Jeffreys..... | 45 | 7, 8 | | | Norway..... |
| 399 | <i>L. abyssiicola</i> Sars..... | | | | | Norway..... |

TABLE II. B.—*List of Pelecypoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Enr. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| * | | * | | * | | * | * | * | | | | Cuba..... | P. Pliocene. |
| | * | * | * | * | * | * | * | | | | | Gulf of Mex .. | |
| * | | * | | | | | | | | | | Hatteras | P. Pliocene. |
| | | | | * | | | | | | | | Tortugas | |
| | | *† | | * | | | | | | * | | Key West ... | |
| | | | | | * | * | * | | * | | | Honduras ... | |
| | | | | * | | † | † | | * | | | Yucatan..... | |
| | | | | * | * | | | | | | | Marco, Fla .. | |
| | | | | | † | | | † | | | | Barbados.... | |
| | | | | | | | ? | * | | | | Trinidad ... | |
| | | | | * | * | * | | | | | | Honduras ... | |
| | | † | | † | † | | | | | | † | Florida Keys | |
| * | | | | | | | | † | | | | | |
| | | | | | | *? | | | | | | Santa Cruz.. | |
| * | | * | | | | | | | | | | Hatteras | Pliocene. |
| * | | * | | | | * | * | | | | | Texas | Miocene. |
| | | | | | | * | * | * | | | | Nicaragua... | |
| | | * | | * | * | | | | | | ? | Guadalupe .. | |
| | | | | | † | | | † | | | † | Campeche... | |
| ? | | | | | | | | | | | | | |
| † | | | | | | | | | | | * | Rhode Is'ld ?. | |
| † | | | | | | | | | | | * | Rhode Island | |

TABLE II. B.—List of Pelecypoda—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|-------------------------------|--------------------------------------|------------|----------------|-----------------|---------------------|-------------------------|
| Family VERTICORDIIDÆ. | | | | | | |
| Genus VERTICORDIA Wood. | | | | | | |
| 400 | <i>V. acuticostata</i> Philippi..... | | | | $\frac{71}{600}$ | N. Atlantic .. |
| 401 | <i>V. flexuosa</i> Verrill..... | 65 | 132 | | $\frac{75}{662}$ | N. Atlantic .. |
| 402 | <i>V. Woodii</i> Smith..... | | | | $\frac{100}{1060}$ | Gulf of Mex. |
| 403 | <i>V. granulifera</i> Verrill..... | | | 8.0 | 1423 | Chesapeake .. |
| 404 | <i>V. Seguenzæ</i> Dall..... | | | 5.0 | $\frac{124}{640}$ | Hatteras |
| 405 | <i>V. perversa</i> Dall..... | 39 | 4 | 5.0 | 731 | Cape Fear... |
| Subgenus Trigonulina Orbigny. | | | | | | |
| 406 | <i>T. ornata</i> Orbigny..... | { 45 65 | { 9, 9a 131 | 4.0 | $\frac{8}{687}$ | Rhode Island |
| Section EUCIROA Dall. | | | | | | |
| 407 | <i>T. elegantissima</i> Dall..... | { 2 39 | { 1a-b 7 | { 13.25 40.0 | { $\frac{292}{786}$ | C. Canaveral. |
| Subgenus Haliris Dall. | | | | | | |
| 408 | <i>H. Fischeriana</i> Dall..... | 2 | 4a-b | 10.0 | $\frac{84}{229}$ | N. Atlantic.. |
| 409 | <i>H. trapezoidea</i> Seguenza..... | | | | $\frac{66}{162}$ | N. Atlantic.. |
| Family CUSPIDARIIDÆ. | | | | | | |
| Genus CUSPIDARIA Nardo. | | | | | | |
| Subgenus Cuspidaria s. s. | | | | | | |
| 410 | <i>C. glacialis</i> Sars..... | | | | $\frac{64}{1487}$ | Norway |
| 411 | <i>C. rostrata</i> Spengler..... | | | | $\frac{65}{1635}$ | Arctic Sea... |
| 412 | <i>C. microrhina</i> Dall..... | 40 | 2, 3 | 45.0 | $\frac{504}{309}$ | C. Canaveral. |
| 413 | <i>C. Jeffreysi</i> Dall..... | 3 | 2 | 15.0 | $\frac{133}{687}$ | Florida Str.. |
| 414 | <i>C. obesa</i> Loven..... | 3 | 1 | 13.0 | $\frac{20}{1290}$ | Arctic Sea... |
| 415 | <i>C. ? arcuata</i> Dall..... | 3 | 3, 4 | 12.5 | 640 | Gulf of Mex .. |
| 416 | <i>C. lamellosa</i> M. Sars..... | 45 | 3 | 7.3 | $\frac{60}{632}$ | Norway |
| Subgenus Cardiomya A. Adams. | | | | | | |
| 417 | <i>C. perrostrata</i> Dall..... | 2 | 3a-b | 8.0 | $\frac{84}{415}$ | Tortugas |
| 418 | <i>C. costellata</i> Deshayes..... | | | | $\frac{205}{205}$ | Hatteras |
| 419 | var. <i>corpulenta</i> Dall..... | 3 | 9 | 14.0 | $\frac{225}{225}$ | Florida Str.. |
| 420 | <i>C. ornatissima</i> Orbigny..... | 41 | 21 | 9.5. | $\frac{12}{24}$ | Hatteras |
| 421 | <i>C. striata</i> Jeffreys..... | { 3 65 | { 10 129 | 19.0 | $\frac{85}{1350}$ | Arctic Sea... |
| Subgenus Liomya A. Adams. | | | | | | |
| Section PLECTODON Cpr. | | | | | | |
| 422 | <i>L. granulata</i> Dall..... | 3 | 8 | 18.0 | $\frac{54}{118}$ | Cape Florida. |
| 423 | var. <i>velvetina</i> Dall..... | | | 11.0 | $\frac{54}{118}$ | ..... |

TABLE II. B.—*List of Pelecypoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tox. | West Ind. | Ber. mu. da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|--------------|------|----------|-------------------------|----------------|
| | | | | † | † | † | | † | | † | † | Barbados.... | Pliocene. |
| † | | | | | | | | | | | | Rhode Isl'd.. | |
| | | | | | | | † | † | | | | Brazil..... | |
| | † | | | | | | | ?† | | | | | |
| | | † | | | | | † | † | | | | Yucatan..... | |
| | | † | | | | | | | | | | | |
| | | | †* | | * | | | † | | | * | Barbados.... | |
| | | | | † | † | † | | † | | | | Cuba..... | |
| | | † | | | † | † | | † | | † | | Barbados.... | Pliocene. |
| | | † | † | | | | | | | † | | Fernandina . | |
| † | † | | | | | † | | | | †* | | Gulf of Mex . | |
| | | | | | † | † | | † | | † | | Barbados.... | |
| | | | | | † | † | | † | | | | St. Vincent.. | |
| † | † | | | | † | | | † | | †* | | Barbados.... | |
| | | | | | | | † | † | | | | Yucatan..... | |
| † | | | | | | | | | | †? | | Rhode Id.... | Pliocene. |
| | | | | | † | † | | † | | | | Grenada.... | |
| | | †* | | † | †* | † | | * | | * | | St. Thomas.. | |
| | | | | | † | | | † | | | | St. Vincent.. | |
| | | †* | | | | | | * | | | | Guadalupe.. | |
| | | † | | † | † | | | | † | † | | Florida Str.. | |
| | | | | | † | | | † | | | | Barbados.... | |
| | | | | | † | | | † | | | | Barbados.... | |

TABLE II. B.—*List of Pelecypoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|------------------------------------|-------------------------------------|----------|-------------|--------------|---------------------|-------------------------|
| Section RHINOCLAMA D. & S. | | | | | | |
| 424 | <i>L. halimera</i> Dall..... | | | 10.0 | 731 | Cape Fear... |
| Subgenus <i>Halonympha</i> D. & S. | | | | | | |
| 425 | <i>H. claviculata</i> Dall..... | 2 | 2, 2a | 12.0 | $\frac{100}{339}$ | N. Atlantic.. |
| Genus MYONERA Dall and Smith. | | | | | | |
| 426 | <i>M. paucistriata</i> Dall..... | | | 10.0 | $\frac{183}{880}$ | Cape Clear.. |
| 427 | <i>M. undata</i> Verrill..... | | | | $\frac{150}{2221}$ | Chesapeake.. |
| 428 | <i>M. lamellifera</i> Dall..... | 3 | 7 | 12.5 | $\frac{84}{250}$ | Cedar Keys.. |
| 429 | <i>M. limatula</i> Dall..... | 3 | 5 | 11.2 | 539 | Florida Str.. |
| Family POROMYIDÆ. | | | | | | |
| Genus POROMYA Forbes. | | | | | | |
| 430 | <i>P. granulata</i> Nyst..... | | | | $\frac{15}{300}$ | Norway..... |
| 431 | var. <i>rotundata</i> Jeffreys..... | | | | $\frac{50}{1450}$ | N. Atlantic.. |
| 432 | <i>P. nearoides</i> Seguenza..... | | | | $\frac{100}{286}$ | N. Atlantic.. |
| 433 | <i>P. sublevis</i> Verrill..... | 65 | 123 | | $\frac{122}{1635}$ | Chesapeake.. |
| Section CETOMYA Dall. | | | | | | |
| 434 | <i>P. elongata</i> Dall..... | 39 | 3 | 22.5 | $\frac{100}{100}$ | Gulf of Mex.. |
| 435 | <i>P. tornata</i> Jeffreys..... | | | | $\frac{140}{140}$ | N. Atlantic.. |
| 436 | <i>P. albida</i> Dall..... | | | 21.5 | $\frac{28}{731}$ | Cape Fear... |
| Genus CETOCONCHA Dall. | | | | | | |
| 437 | <i>C. bulla</i> Dall..... | 65 39 | 130 2, 5 | 13.0 | $\frac{1917}{1920}$ | Chesapeake.. |
| 438 | <i>C. margarita</i> Dall..... | 8 | 10 | 7.3 | $\frac{391}{1019}$ | Florida Keys. |
| Family PANDORIDÆ. | | | | | | |
| Genus PANDORA Hwass. | | | | | | |
| Subgenus <i>Cliidiophora</i> Cpr. | | | | | | |
| 439 | <i>C. trilineata</i> Say..... | | | | $\frac{6}{18}$ | C. Hatteras.. |
| 440 | <i>C. Gouldiana</i> Dall..... | 59 | 14 | 25.0 | $\frac{0}{30}$ | Nova Scotia.. |
| 441 | <i>C. carolinensis</i> Bush..... | 8 | 8, 8a | 14.2 | $\frac{15}{124}$ | Hatteras..... |
| Subgenus <i>Kennerlia</i> Cpr. | | | | | | |
| 442 | <i>K. glacialis</i> Leach..... | | | | $\frac{30}{120}$ | Arctic Sea... |
| 443 | <i>K. Bushiana</i> Dall..... | | | 11.5 | 9 | Tampa..... |

TABLE II. B.—*List of Pelecypoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | † | | | | | | | | | | | |
| | | | | | † | | | † | † | | | Barbados.... | |
| | | † | | | † | | | † | | | | Tobago | |
| | † | | | | † | | | † | | | | St. Vincent.. | |
| | | | | | † | † | | † | | | | Jamaica..... | |
| | | | | | † | | | † | | | | Cuba..... | |
| | | † | | | † | | | † | | †* | | Barbados.... | Miocene. |
| | | † | † | | | | | † | | † | | Barbados.... | |
| | | | | † | | | | † | | | | Barbados.... | |
| | † | | | | | | | | | | † | Patagonia .. | |
| | | | | | † | | | † | | | | Barbados.... | |
| | | | | † | | | | † | | | | Grenada | |
| | | † | | | † | | | † | | | | Cuba..... | |
| | † | | | | † | † | | | | | | Gulf of Mex .. | |
| | | | | | † | | | † | | | | Brazil | |
| | | * | | | | * | * | | | | | Gulf of Mex .. | |
| * | | ?* | | | | | | | | | | N. Carolina? .. | Pliocene. |
| | | *† | | | | * | † | † | | | | Yucatan | |
| | | † | | | † | | | | | * | * | Florida Str .. | |
| | | | | | | * | | | | | | Charlotte H .. | |

TABLE II. B.—*List of Pelecypoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. | | | | | |
|-------------------------------------|---|----------------|----------------|--------------|-----------------|-------------------------|--|--|--|--|--|
| Suborder MYACEA. | | | | | | | | | | | |
| Family CORBULIDÆ. | | | | | | | | | | | |
| Genus PARAMYA Conrad. | | | | | | | | | | | |
| 444 | <i>P. subovata</i> Conrad | | | | $\frac{1}{31}$ | Hatteras | | | | | |
| Genus BASTEROTIA Mayer. | | | | | | | | | | | |
| 445 | <i>B. quadrata</i> Hinds | 1 | 2a-b | 10.0 | $\frac{6}{840}$ | C. Lookout .. | | | | | |
| Genus CORBULA Bruguière. | | | | | | | | | | | |
| 446 | <i>C. disparilis</i> Orbigny | 1 | 4a-b | | $\frac{5}{808}$ | Hatteras | | | | | |
| 447 | <i>C. Krebsiana</i> C. B. Adams | 1 | 1a-b | 6.1 | $\frac{3}{8}$ | Cape Florida.. | | | | | |
| 448 | <i>C. contracta</i> Say | 1 59 | 6a-b 10 | 12.0 | $\frac{3}{63}$ | Cape Cod ... | | | | | |
| 449 | <i>C. Dietziana</i> C. B. Adams | | | | | | | | | | |
| 450 | <i>C. Barrattiana</i> C. B. Adams | 2 | 7a,b,c | 8.9 | $\frac{2}{287}$ | Hatteras | | | | | |
| 451 | <i>C. Cubaniana</i> Orbigny | 1 | 3a,b,c | 12.7 | $\frac{1}{100}$ | Fla. Strait .. | | | | | |
| 452 | <i>C. Swiftiana</i> C. B. Adams | 2 | 5a,b,c | 10.4 | $\frac{2}{450}$ | Hatteras | | | | | |
| 453 | <i>C. cymella</i> Dall | 1 | 7, 7a | 13.5 | $\frac{9}{88}$ | C. Florida... | | | | | |
| 454 | <i>C. nasuta</i> Say | 2 | 6a, b, c, d | 8.5 | $\frac{4}{63}$ | Hatteras | | | | | |
| Family MYIDÆ. | | | | | | | | | | | |
| Genus MYA Linné. | | | | | | | | | | | |
| 455 | <i>M. arenaria</i> Linné | 49 55 69 | 9 2 2 | 75.0 | $\frac{0}{40}$ | Arctic Sea... | | | | | |
| Family SAXICAVIDÆ. | | | | | | | | | | | |
| Genus SAXICAVA F. de B. | | | | | | | | | | | |
| 456 | <i>S. arctica</i> Linné | 59 | 13 | 30.0 | $\frac{0}{100}$ | Arctic Sea... | | | | | |
| 457 | <i>S. azaria</i> Dall | 4 | 9a-b | 25.0 | | Charlotte H. | | | | | |
| Genus GLYCIMERIS Lamarck. | | | | | | | | | | | |
| 458 | <i>G. reflexa</i> Say | | | | | Hatteras | | | | | |
| Suborder SOLENACEA. | | | | | | | | | | | |
| Family SOLENIDÆ. | | | | | | | | | | | |
| Genus SOLECURTUS Blainville. | | | | | | | | | | | |
| Subgenus Macha Okén. | | | | | | | | | | | |
| 459 | <i>M. sancte-marthæ</i> Orbigny | | | 30.0 | $\frac{1}{2}$ | Hatteras | | | | | |
| 460 | <i>M. Cumingiana</i> Dunker | | | 60.0 | $\frac{1}{11}$ | Hatteras | | | | | |
| Genus SILIQUA Megerle. | | | | | | | | | | | |
| 461 | <i>S. costata</i> Say | 65 53 | 128a 3 | | | Nova Scotia .. | | | | | |

TABLE II. B.—*List of Pelecypoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | * | | | | * | | | | | | Tampa | Miocene. |
| | | * | | | * | | *† | † | | * | * | St. Thomas.. | |
| | | *† | † | | | † | | † | † | | | Barbados | Pliocene. |
| | | | | | † | | | * | | | | Jamaica | |
| * | * | *† | | | | * | | * | | | | Jamaica | Pliocene. |
| | | *† | | | † | | | †* | | | | Barbados | |
| | | *† | | | * | * | | †* | | | | Jamaica | |
| | | | | | † | | | *† | | | | Jamaica | |
| | | * | | | †* | | | †* | | | | Venezuela... | |
| | | | | | † | | | | | | | Gordon Key . | |
| | | *† | | | * | * | | * | | | | Haiti | |
| * | * | * | | | | | | | | * | * | S. Carolina.. | Pliocene. / |
| * | * | * | * | * | * | * | | † | | * | * | Barbados | Miocene. |
| | | | | | * | * | | | | | | Gulf of Mex . | |
| | | * | | | | * | | | | | | Gulf of Mex . | Pliocene. |
| | | * | | | | | | * | * | | | Rio Janeiro.. | |
| | | *† | | | | *† | * | | | | | Texas | |
| * | * | * | | | | | | | | | | Hatteras | |

TABLE II. B.—*List of Pelecypoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|------------------------------------|--------------------------------------|----------|-----------|--------------|--------------------|-------------------------|
| Genus SOLEN Linné. | | | | | | |
| Subgenus Ensis Schumacher. | | | | | | |
| 462 | <i>E. americana</i> Gould | 53 55 | 4 4, 5 | ----- | $\frac{0}{25}$ | Labrador.... |
| 463 | <i>E. viridis</i> Say | | | | | Rhode Island |
| Suborder ENSIPHONACEA. | | | | | | |
| Family GASTROCHÆNIDÆ. | | | | | | |
| Genus GASTROCHÆNA Spengler. | | | | | | |
| 464 | <i>G. ovata</i> Sowerby | ----- | ----- | 30.0 | $\frac{0}{27}$ | Charleston .. |
| 465 | <i>G. cuneiformis</i> Spengler | ----- | ----- | 25.0 | $\frac{0}{25}$ | Cape Fear... |
| 466 | <i>G. Stimpsonii</i> Tryon | ----- | ----- | 16.0 | ----- | Beaufort |
| Subgenus Spengleria Tryon. | | | | | | |
| 467 | <i>S. rostrata</i> Spengler | ----- | ----- | ----- | ----- | W. Florida .. |
| Suborder ADESMACEA. | | | | | | |
| Family PHOLADIDÆ. | | | | | | |
| Genus PHOLAS Linné. | | | | | | |
| 468 | <i>P. Campechiensis</i> Gmelin | ----- | ----- | ----- | ----- | Hatteras |
| Subgenus Barnea Leach. | | | | | | |
| 469 | <i>B. costata</i> Linné | 68 | 9 | ----- | ----- | Cape Cod.... |
| 470 | <i>B. maritima</i> Orbigny | ----- | ----- | ----- | ----- | Texas |
| 471 | <i>B. truncata</i> Say | 59 | 12 | ----- | ----- | Nahant |
| Genus ZIRPHÆA Leach. | | | | | | |
| 472 | <i>Z. crispata</i> Linné | 68 | 10 | ----- | $\frac{0}{70}$ | Arctic Sea... |
| 473 | <i>Z. semicostata</i> Lea ? | ----- | ----- | ----- | $\frac{0}{8}$ | Cape Fear... |
| Genus XYLOPHAGA Turton. | | | | | | |
| 474 | <i>X. abyssorum</i> Dall | 9 | 7, 7a | 4.0 | $\frac{226}{1000}$ | N. Atlantic .. |
| 475 | <i>X. dorsalis</i> Turton | ----- | ----- | ----- | $\frac{223}{2033}$ | N. Atlantic .. |
| Genus MARTESIA Leach. | | | | | | |
| 476 | <i>M. cuneiformis</i> Say | ----- | ----- | ----- | $\frac{0}{12}$ | Connecticut. |
| 477 | <i>M. striata</i> Linné | ----- | ----- | ----- | ----- | Britain |
| 478 | <i>M. corticaria</i> Adams | ----- | ----- | ----- | ----- | Charlotte H. |
| Section DIPLOTHYRA Tryon. | | | | | | |
| 479 | <i>M. Smithii</i> Tryon | ----- | ----- | ----- | ----- | Staten Island |

TABLE II. B.—*List of Pelecypoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Bermu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|-----------|------|----------|-------------------------|----------------|
| * | * | * | * | * | * | * | --- | --- | --- | --- | --- | Florida Keys | |
| * | * | * | * | | | * | --- | --- | --- | --- | --- | Sarasota | --- |
| --- | | * | | * | * | * | --- | * | --- | --- | * | St. Thomas | .. |
| --- | | * | | * | * | * | --- | * | * | --- | --- | Guadalupe | .. |
| --- | | * | | | | | --- | | | --- | --- | | --- |
| --- | | | | * | * | * | --- | * | --- | --- | --- | St. Thomas | .. |
| --- | | * | * | * | * | * | * | * | --- | --- | --- | Cent. America | Pliocene. |
| * | | * | * | * | * | * | * | * | --- | * | --- | S. America | .. Pliocene. |
| --- | | | | * | * | * | --- | * | --- | --- | --- | | --- |
| * | * | * | | * | * | * | --- | --- | --- | --- | * | | --- |
| * | | * | | | | | --- | --- | --- | * | * | S. Carolina ? | Pliocene. |
| --- | | * | | | | | --- | --- | --- | --- | --- | S. Carolina | .. |
| † | | | | | | | --- | † | --- | --- | --- | St. Lucia | .... |
| † | | | | | | | --- | --- | --- | †* | --- | Delaware ? | .. |
| ? | * | * | * | * | * | * | * | * | --- | --- | --- | Trinidad | .... |
| --- | | | | * | * | * | * | * | * | * | ? | N. Grenada | .. |
| --- | | | | * | * | * | --- | * | --- | --- | --- | Guadalupe | .. |
| * | * | * | | | | * | --- | --- | --- | --- | --- | Manatee R. | .. |

TABLE II. B.—*List of Pelecypoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|--------------------------------|-----------------------------------|-------|-------|--------------|-----------------|-------------------------|
| Family TEREDIDÆ. | | | | | | |
| Genus TEREDO Linné. | | | | | | |
| 480 | <i>T. norvegica</i> Spengler..... | 68 | 2 | ..... | ..... | New York... |
| 481 | <i>T. navalis</i> Linné..... | 55 | 6 | } | } | Arctic Sea... |
| | | 59 | 2 | | | |
| 482 | <i>T. megotara</i> Hanley | 59 | 3 | | | |
| | | 65 | 127 | } | } | Arctic Sea... |
| 483 | <i>T. Thomsoni</i> Tryon | 59 | 4 | | | |
| 484 | <i>T. dilatata</i> Stimpson..... | 68 | 1 | ..... | ..... | Cape Ann... |
| Subgenus Lyrodes Gould. | | | | | | |
| 485 | <i>L. chlorotica</i> Gould..... | 68 | 3 | ..... | ..... | Mass. Bay... |
| Genus XYLOTRYA Leach. | | | | | | |
| 486 | <i>X. fimbriata</i> Jeffreys..... | 59 | 1 | ..... | ..... | Rhode Island |
| 487 | <i>X. bipinnata</i> Jeffreys..... | ..... | ..... | ..... | ..... | N. Atlantic.. |

TABLE II. B.—*List of Pelecypoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber- mu- da. | Eur. | West Am. | Southern extreme range. | Range in time |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|--------------------|------|----------|-------------------------|---------------|
| * | --- | --- | --- | --- | --- | * | --- | --- | --- | * | --- | Manatee | --- |
| * | --- | --- | --- | --- | --- | * | * | --- | --- | * | --- | Florida | --- |
| *† | * | * | --- | --- | --- | --- | --- | --- | --- | * | --- | S. Carolina | P. Pliocene. |
| * | --- | --- | --- | --- | * | * | --- | --- | --- | --- | --- | ? | --- |
| * | * | * | --- | --- | --- | --- | --- | --- | --- | --- | --- | S. Carolina? | --- |
| * | --- | --- | --- | --- | --- | * | --- | --- | --- | --- | --- | Gulf of Mex. | --- |
| * | * | * | * | --- | * | * | * | --- | --- | * | * | Gulf of Mex. | --- |
| --- | --- | --- | --- | --- | --- | * | --- | * | --- | * | --- | St. Vincent | --- |

TABLE III. C.—*List of Scaphopoda.*

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range |
|--------------------------------|--------------------------------------|------------|------------|--------------|--------------------|------------------------|
| Class SCAPHOPODA. | | | | | | |
| Order SOLENOCONCHIA. | | | | | | |
| Family DENTALIIDÆ. | | | | | | |
| Genus DENTALIUM Linné. | | | | | | |
| 1 | <i>D. agile</i> Sars | | | | 400 | Norway |
| 2 | <i>D. perlongum</i> Dall..... | 27 | 6 | 80.0 | $\frac{327}{1191}$ | Hatteras |
| 3 | <i>D. filum</i> Sowerby | | | | $\frac{17}{1093}$ | Scotland |
| 4 | <i>D. callipeplum</i> Dall..... | 27 | 12b | 61.5 | $\frac{16}{173}$ | S. Carolina .. |
| 5 | <i>D. matara</i> Dall | | | 41.0 | $\frac{16}{111}$ | C. Lookout .. |
| 6 | <i>D. leptum</i> Bush | 41 | 18a | 31.5 | $\frac{12}{122}$ | Hatteras |
| 7 | <i>D. antillarum</i> Orbigny | | | | $\frac{17}{1668}$ | Nova Scotia.. |
| 8 | <i>D. calamus</i> Dall | | | 19.5 | 4 | Turtle Harb .. |
| 9 | <i>D. taphrium</i> Dall | | | 17.0 | $\frac{22}{182}$ | Hatteras |
| 10 | <i>D. candidum</i> Jeffreys | 46 | 16, 17 | 90.0 | $\frac{170}{1750}$ | N. Atlantic .. |
| 11 | <i>D. sericatum</i> Dall | 26 | 1 | 13.0 | 640 | Gulf of Mex.. |
| 12 | <i>D. carduus</i> Dall | 27 | 3 | 87.0 | $\frac{116}{338}$ | Florida Str.. |
| 13 | <i>D. disparile</i> Orbigny | | | | $\frac{2}{100}$ | Tampa |
| 14 | <i>D. ceratum</i> Dall | { 26 27 | { 5 2} | 30.0 | $\frac{50}{1097}$ | Gulf of Mex.. |
| 15 | <i>D. Gouldii</i> Dall..... | 26 | 4 | 28.0 | $\frac{12}{140}$ | S. Carolina .. |
| 16 | <i>D. platamodes</i> Watson..... | | | | $\frac{220}{430}$ | Florida Str.. |
| 17 | <i>D. ceras</i> Watson | | | | $\frac{109}{1668}$ | Gulf of Mex.. |
| 18 | <i>D. capillosum</i> Jeffreys | | | | $\frac{119}{1800}$ | N. Atlantic .. |
| 19 | <i>D. laqueatum</i> Verrill | { 27 46 | { 1 18} | 45.0 | $\frac{60}{200}$ | Chesapeake .. |
| 20 | <i>D. compressum</i> Watson | | | | $\frac{111}{800}$ | Cedar Keys.. |
| 21 | <i>D. ophiodon</i> Dall | 26 | 9 | 12.5 | $\frac{100}{310}$ | Gulf of Mex.. |
| 22 | <i>D. callithrix</i> Dall | 27 | 10 | 43.0 | $\frac{161}{1591}$ | Cape Fear... |
| 23 | <i>D. ensiculus</i> Jeffreys | 27 | 12 | 20.0 | $\frac{240}{1788}$ | N. Atlantic .. |
| 24 | <i>D. teres</i> Jeffreys | | | 9.0 | $\frac{843}{1290}$ | N. Atlantic .. |
| Genus CADULUS Philippi. | | | | | | |
| 25 | <i>C. quadridentatus</i> Dall..... | 27 | 5 | 10.0 | $\frac{7}{80}$ | Hatteras |
| 26 | var. ? <i>incisus</i> Bush..... | 41 | 20 | 8.0 | $\frac{7}{8}$ | Hatteras |
| 27 | <i>C. cylindratus</i> Jeffreys | | | 7.3 | $\frac{652}{1608}$ | N. Atlantic .. |
| 28 | <i>C. æqualis</i> Dall | 27 | 9 | 15.0 | 339 | Tortugas |
| 29 | <i>C. spectabilis</i> Verrill | 46 | 19 | 22.0 | $\frac{464}{1594}$ | Rhode Island |
| 30 | <i>C. grandis</i> Verrill..... | 46 | 20 | 15.0 | $\frac{843}{1467}$ | Nantucket .. |
| 31 | <i>C. poculum</i> Dall | | | 13.2 | $\frac{64}{340}$ | Gulf of Mex.. |
| 32 | <i>C. Watsoni</i> Dall | 27 | 12a | 13.0 | $\frac{282}{1082}$ | Gulf of Mex.. |
| 33 | <i>C. Jeffreysi</i> Monterosato..... | | | 5.0 | $\frac{40}{843}$ | N. Atlantic .. |

TABLE III. C.—*List of Scaphopoda.*

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | | | | † | | | † | | † | | Florida Str.. | |
| | | † | | † | † | † | | † | | | | St. Vincent.. | |
| | | †* | | | | | | | | † | | Cape Fear .. | Pliocene. |
| | | † | | | | † | | † | | | | Grenada..... | |
| | | * | | | | †* | | * | | | | Haiti | |
| | | * | | | * | * | | | | | | C. Romano .. | |
| | | † | | | † | † | * | † | | | | Barbados.... | |
| | | | | | * | | | | | | | Florida Str.. | |
| | | * | | | † | * | | † | | | | Cuba..... | |
| † | † | † | | | | | | | | | | Cape Fear... | |
| | | | | | | | † | † | | | | Yucatan..... | |
| | | | | † | | | * | † | | | | Grenada | |
| | | | | | * | * | | * | | | | Barbados.... | |
| | | | | | † | † | | † | | | | Barbados.... | |
| | | * | | | † | | | * | | | | Aspinwall... | |
| | | | | † | | | | † | | | | Culebra | |
| | | | | | | † | | † | | | † | Martinique.. | |
| | | | | | † | | | † | | | | Barbados.... | |
| | † | † | | | † | † | | † | | | | Grenada | |
| | | | | | † | † | | † | | | | Culebra | |
| | | | | | † | † | | † | | | | Barbados.... | |
| | | † | | | † | † | | † | | | | Grenada..... | |
| † | † | | † | | † | | | † | | † | | Barbados.... | |
| † | | † | | | | | | | | † | | Hatteras | |
| | | * | * | | | * | | | | | | West Florida | |
| | | * | | | | | | | | | | | |
| ? | | | | | | | | | | † | | Rhode Island | |
| | | | | | † | | | | | | | Florida Str.. | |
| † | † | | | | | | | † | | | | St. Vincent .. | |
| † | | † | | | | | | | | | | Hatteras | |
| | | | | | | | † | † | | | | St. Vincent .. | |
| | | | | | | | † | † | | | | Old Provid'ce | |
| † | | † | | | | | | † | | † | | Barbados.... | |

TABLE III. C.—*List of Scaphopoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|---------------------------------|-----------------------------------|-------|-------|--------------|-------------------|-------------------------|
| Genus CADULUS—Continued. | | | | | | |
| 34 | <i>C. carolinensis</i> Bush | 41 | 19 | 9.5 | $\frac{15}{382}$ | Hatteras |
| 35 | <i>C. Agassizii</i> Dall..... | 27 | 12c | 9.0 | 229 | Florida Str.. |
| 36 | <i>C. Pandionis</i> Verrill..... | 64 | 126 | ..... | $\frac{17}{506}$ | Rhode Island |
| 37 | <i>C. lunula</i> Dall | 27 | 8 | 6.0 | $\frac{18}{808}$ | C. Lookout .. |
| 38 | <i>C. obesus</i> Watson ..... | ..... | ..... | ..... | $\frac{220}{390}$ | Florida Str.. |
| 39 | <i>C. amiantus</i> Dall | 27 | 7 | 5.75 | $\frac{8}{1002}$ | Cape Florida |
| 40 | <i>C. cucurbita</i> Dall | 27 | 12d | 4.0 | $\frac{294}{310}$ | Fernandina . |
| 41 | <i>C. gracilis</i> Jeffreys ..... | ..... | ..... | ..... | $\frac{690}{843}$ | N. Atlantic .. |
| 42 | <i>C. acus</i> Dall | 27 | 11 | 8.0 | 30 | ..... |
| 43 | <i>C</i> ..... | ..... | ..... | ..... | 731 | Hatteras |
| 44 | <i>C. minusculus</i> Dall..... | ..... | ..... | 2.2 | $\frac{63}{294}$ | Hatteras |

TABLE III. C.—*List of Scaphopoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East F.a. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber- mu- da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|--------------|---------------|--------------|------|--------------|--------------------|------|-------------|----------------------------|----------------|
| | | * | † | | | | | † | | | | Old Provid'ce | |
| | | | | | † | | | † | | | | Cuba..... | |
| | | † | † | † | | | | | | † | | Florida Str.. | |
| | | * | | | † | | | † | | | | Barbados... | |
| | | | | | † | | | † | | | | St. Thomas.. | |
| | | | | | * | | | † | | | | Cuba..... | |
| | | | † | | † | | | † | | | | Florida Str.. | |
| | | † | | | | | | | | † | | Hatteras.... | |
| | | | | | | | | † | | | | Haiti..... | |
| | | † | † | | | | | | | | | Fernandina . | |
| | | † | † | | | | | | | | | Fernandina . | |

TABLE IV. D.—List of Pteropoda.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|-------------------------------------|---------------------------------------|-----|-------|--------------|-----------------|-------------------------|
| Order PTEROPODA. | | | | | | |
| Suborder THECOSOMATA. | | | | | | |
| Genus LIMACINA Cuvier. | | | | | | |
| Section HETEROFUSUS Fleming. | | | | | | |
| 1 | <i>L. trochiformis</i> Soul..... | | | 1.0 | Pelagic | N. lat. 42°.. |
| 2 | <i>L. bulimoides</i> Orb | | | 2.0 | Pelagic | N. lat. 35°.. |
| 3 | <i>L. Lesueuri</i> Orb..... | | | 1.5 | Pelagic | N. lat. 38°.. |
| 4 | <i>L. retroversa</i> Flem..... | | | 2.5 | Pelagic | Arctic Sea |
| Section LIMACINA s. s. | | | | | | |
| 5 | <i>L. helicina</i> Phipps | 48 | 14 | 3.0 | Pelagic | Arctic Sea |
| Subgenus <i>Embolus</i> Jeffreys. | | | | | | |
| 6 | <i>E. inflatus</i> Orbigny | | | 1.5 | Pelagic | N. lat. 42°.. |
| 7 | <i>E. triacanthus</i> Fischer..... | | | 4.5 | Pelagic | N. lat. 38°.. |
| Genus PERACLE Forbes. | | | | | | |
| 8 | <i>P. reticulata</i> Orbigny | | | 4.0 | Pelagic | N. lat. 37°.. |
| 9 | var. <i>diversa</i> Monterosato | | | 7.5 | Pelagic | N. lat. 31°.. |
| 10 | <i>P. ? helicoides</i> Jeffreys | | | 10.0 | Pelagic | N. lat. 57°.. |
| Family CAVOLINIIDÆ. | | | | | | |
| Genus CRESEIS Rang. | | | | | | |
| 11 | <i>C. virgula</i> Rang | | | 6.0 | Pelagic | N. lat. 41°.. |
| 12 | <i>C. conica</i> Eschscholtz | 66 | 112 | 7.0 | Pelagic | N. Atlantic |
| 13 | <i>C. recta</i> Blainville | 66 | 118 | 25.0 | Pelagic | N. lat. 48°.. |
| Section BOASIA Dall. | | | | | | |
| 14 | <i>C. chierchiæ</i> Boas..... | | | 2.5 | Pelagic | N. lat. 31°.. |
| Genus CLEODORA Pér. and Les. | | | | | | |
| Subgenus <i>Hyalocylix</i> Fol. | | | | | | |
| 15 | <i>H. striata</i> Rang..... | 66 | 119 | 6.0 | Pelagic | N. lat. 39°.. |
| Subgenus <i>Styliola</i> . | | | | | | |
| 16 | <i>S. subula</i> Quoy & Gaimard..... | | | 10.0 | Pelagic | N. lat. 41°.. |
| Subgenus <i>Cleodora</i> s. s. | | | | | | |
| 17 | <i>C. pyramidata</i> L..... | | | 15.0 | Pelagic | Spitzbergen |
| 18 | <i>C. cuspidata</i> Bosc..... | | | 16.0 | Pelagic | N. lat. 60°.. |

TABLE IV. D.—*List of Pteropoda.*

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Bermuda. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|-------|-----------|----------|------|----------|-------------------------|----------------|
| * | * | * | * | * | * | ----- | ----- | * | * | * | ? | S. lat. 28° | |
| ----- | * | * | * | * | * | ----- | ----- | * | * | * | ? | S. lat. 48° | P. Pliocene. |
| * | * | * | * | * | * | ----- | ----- | * | * | * | * | S. lat. 36° | P. Pliocene. |
| ? | | | | | | ----- | ----- | | | * | | N. lat. 40° | P. Pliocene. |
| ? | | | | | | ----- | ----- | | | * | * | N. lat. 35° | |
| * | | | * | | | ----- | * | * | * | * | * | S. lat. 40° | P. Pliocene. |
| | | | * | | | ----- | | * | * | * | * | N. lat. 18° | Pliocene. |
| * | | | * | * | * | ----- | * | * | * | * | ? | S. lat. 9° | P. Pliocene. |
| | | | * | * | * | ----- | | * | * | * | * | N. lat. 23° | Pliocene. |
| | | | ? | | | ----- | | | | * | * | N. lat. 31° | P. Pliocene. |
| * | * | * | * | * | * | ----- | * | * | * | * | * | S. lat. 35° | P. Pliocene. |
| * | * | * | * | | | ----- | | | | * | * | Equator | P. Pliocene. |
| | * | * | * | * | * | ----- | | * | * | * | ? | S. lat. 40° | P. Pliocene. |
| | | | * | | | ----- | | | | * | | N. lat. 8° | |
| * | | | * | * | | ----- | | * | * | * | ? | S. lat. 40° | P. Pliocene. |
| * | * | * | * | * | * | ----- | * | * | * | * | * | S. lat. 40° | P. Pliocene. |
| * | * | * | * | * | * | ----- | * | * | * | * | ? | S. lat. 40° | P. Pliocene. |
| * | * | * | * | * | * | ----- | | | | * | ? | S. lat. 42° | P. Pliocene. |

TABLE IV. D.—List of Pteropoda—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|-----------------------------------|---------------------------------------|------------|-------------|--------------|-----------------|-------------------------|
| Section BALANTIUM Benson. | | | | | | |
| 19 | <i>C. recurva</i> Children | | | 28.0 | | N. lat. 40° .. |
| 20 | <i>C. falcata</i> Pfeffer | | | 10.0 | Pelagic | Davis Str .. |
| Genus CUVIERINA Boas. | | | | | | |
| 21 | <i>C. columnella</i> Rang | 66 | 117 | 12.0 | Pelagic | N. lat. 43° .. |
| Genus CAVOLINIA Abild. | | | | | | |
| Section DIACRIA Gray. | | | | | | |
| 22 | <i>C. trispinosa</i> Lesueur | 66 | 115 | 11.0 | Pelagic | N. lat. 60° .. |
| 22a | ? <i>C. Harger</i> Verrill | | | | | Geo. Bks .. |
| Section CAVOLINIA s. s. | | | | | | |
| 23 | <i>C. quadridentata</i> Lesueur | | | 4.0 | Pelagic | N. lat. 40° .. |
| 24 | <i>C. longirostris</i> Lesueur | | | 7.0 | Pelagic | N. lat. 47° .. |
| 25 | <i>C. gibbosa</i> Rang | | | 11.0 | Pelagic | N. lat. 43° .. |
| 26 | <i>C. tridentata</i> Forskål | 66 | 113 | 18.0 | Pelagic | N. lat. 40° .. |
| 27 | <i>C. uncinata</i> Rang | 66 | 116 | 7.0 | Pelagic | N. lat. 40° .. |
| 28 | <i>C. inflexa</i> Lesueur | | | 7.0 | Pelagic | N. lat. 42° .. |
| Family CYMBULIIDÆ. | | | | | | |
| Genus COROLLA Dall. | | | | | | |
| (Cymbulicopsis Pelsener.) | | | | | | |
| 29 | <i>C. calceola</i> Verrill | 66 | 120 | 45.0 | Pelagic | N. lat. 40° .. |
| Suborder GYMNOSOMATA. | | | | | | |
| Family CLIONIDÆ. | | | | | | |
| Genus CLIONE Pallas. | | | | | | |
| 30 | <i>C. limacina</i> Phipps | { 66 72 | { 122 15 | 30.0 | Pelagic | Arctic Sea .. |
| Family CLIOPSISIDÆ. | | | | | | |
| Genus CLIOPSIS Troschel. | | | | | | |
| 31 | <i>C. grandis</i> Boas | | | 25.0 | Pelagic | N. lat. 40° .. |
| Genus NOTOBRANCHÆA Pels. | | | | | | |
| 32 | <i>N. Macdonaldi</i> Pels | | | 12.0 | Pelagic | N. lat. 39° .. |
| Family PNEUMODERMATIDÆ. | | | | | | |
| Genus PNEUMODERMON Cuvier. | | | | | | |
| 33 | <i>P. violaceum</i> Orbigny | | | 10.0 | Pelagic | N. lat. 45° .. |

TABLE IV. D.—*List of Pteropoda—Continued.*

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| * | | | * | * | * | * | | * | | | | S. lat. 33° | P. Pliocene. |
| ? | | | ? | | | | ? | | ? | * | | Brazil | |
| * | * | * | * | * | * | * | * | * | * | * | ? | S. lat. 40° | P. Pliocene. |
| | | * | * | * | * | * | | * | * | * | * | S. lat. 40° | P. Pliocene. |
| | | | * | | | | | * | | | | Bahamas | |
| * | * | * | * | * | * | | | * | * | * | * | S. lat. 17° | P. Pliocene. |
| * | * | * | * | * | * | | | * | * | * | ? | S. lat. 40° | P. Pliocene. |
| * | * | * | * | * | * | | | * | * | * | * | S. lat. 41° | P. Pliocene. |
| * | * | * | * | * | * | | | * | * | * | * | S. lat. 40° | P. Pliocene. |
| * | | | * | * | * | * | | * | | * | * | S. lat. 40° | P. Pliocene. |
| * | | | * | * | * | * | | * | * | * | * | S. lat. 42° | P. Pliocene. |
| * | | | | | | | | | | | | | |
| * | * | | | | | | | | | * | * | N. lat. 37° | |
| * | * | * | | | | | | | | | | China Sea | |
| * | * | * | | | | | | ? | ? | ? | | | |
| * | | | | | | | | | * | * | | S. lat. 15° | |

TABLE V. E.—*List of Gastropoda.*

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|---|--|------|-------|--------------|--------------------|-------------------------|
| Class GASTROPODA. | | | | | | |
| Subclass ANISOPLEURA. | | | | | | |
| Superorder EUTHYNEURA. | | | | | | |
| [Order PTEROPODA. See separate table.] | | | | | | |
| Order OPISTHOBRANCHIATA. | | | | | | |
| Suborder TECTIBRANCHIATA. | | | | | | |
| Family ACTÆONIDÆ. | | | | | | |
| Genus ACTÆON Montfort. | | | | | | |
| 1 | <i>A. exilis</i> Jeffreys | | | | $\frac{150}{7486}$ | N. Atlantic .. |
| 2 | <i>A. pusillus</i> Forbes | | | | $\frac{111}{450}$ | N. Atlantic .. |
| 3 | <i>A. punctostriatus</i> C. B. Adams | { 41 | 17 | | | Cape Cod.... |
| | | 52 | 22 | | $\frac{7}{63}$ | |
| 4 | <i>A. Cumingi</i> A. Adams | | | | | Cape Fear... |
| 5 | <i>A. delicatus</i> Dall | 17 | 5 | 10.0 | $\frac{73}{400}$ | Gulf of Mex. |
| 6 | <i>A. melampoides</i> Dall | { 17 | 2 | 6.0 | $\frac{310}{2674}$ | Virginia |
| | | 46 | 15 | 8.0 | | |
| 7 | <i>A. perforatus</i> Dall | 18 | 3 | 7.75 | 339 | Florida Str. |
| 8 | <i>A. Danaida</i> Dall | 17 | 12 | 11.0 | 339 | Tortugas.... |
| 9 | <i>A. incisus</i> Dall | 17 | 1, 1b | 9.0 | $\frac{294}{840}$ | Fernandina .. |
| Genus OVULACTÆON Dall. | | | | | | |
| 10 | <i>O. Meekii</i> Dall | 33 | 3, 4 | 5.5 | $\frac{200}{480}$ | Fernandina .. |
| Family RINGICULIDÆ. | | | | | | |
| Genus RINGICULA Deshayes. | | | | | | |
| Section RINGICULINA Monts. | | | | | | |
| 11 | <i>R. nitida</i> Verrill | 37 | 3 | 7.5 | $\frac{19}{1075}$ | Rhode Island |
| 12 | <i>R. semistriata</i> Orbiguy | | | | $\frac{31}{107}$ | Hatteras |
| Family TORNATINIDÆ. | | | | | | |
| Genus TORNATINA A. Adams. | | | | | | |
| 13 | <i>T. bullata</i> Kiener | | | | | Florida Str.. |
| 14 | <i>T. recta</i> Orbiguy | | | | | Tampa |
| 15 | <i>T. canaliculata</i> Say | 52 | 27 | 5.0 | $\frac{0}{63}$ | Cape Cod.... |
| 16 | <i>T. Caudai</i> Orbiguy | 41 | 13 | | $\frac{7}{48}$ | Hatteras |
| Subgenus Coleophysis Fischer. | | | | | | |
| 17 | <i>C. perplicatus</i> Dall | | | 5.0 | $\frac{120}{20}$ | Florida Str.. |
| 18 | <i>C. eburneus</i> Verrill | 46 | 14 | 6.0 | $\frac{10}{70}$ | Hatteras |

TABLE V. E.—*List of Gastropoda.*

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| † | | | | † | | | | † | | † | | Campeche... | Pliocene. |
| | | | | | † | † | | † | | † | | Havana | |
| | | † | | * | * | * | | * | | | | Haiti | P. Pliocene. |
| | | | | | * | | | * | | | | Rio | |
| | | | | | † | * | | † | | | | Barbados... | |
| | † | † | | | † | | | † | | | | Cuba | |
| | | | | | † | | | † | | | | Cuba | |
| | | | | | † | | | † | | | | Cuba | |
| | | | † | | | | † | † | | | | Yucatan | |
| | | | † | | | | | † | | | | Bahamas | |
| | | | † | | *† | † | | † | † | † | | Brazil | Pliocene. |
| | | † | | | | | | * | | | | Jamaica | |
| | | | | | * | | | * | | | | Trinidad | |
| | | | | | * | * | | * | | | | Jamaica | |
| * | | * | * | * | * | * | | * | | | | Haiti | Pliocene. |
| | | * | | | * | * | | * | | | | Martinique .. | |
| | | | | | † | | | † | | | | Barbados | |
| | | † | | * | * | | | | | | | Florida Keys | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|-----------------------------------|--|-----|--------|--------------|---------------------|-------------------------|
| Subgenus <i>Cylichnella</i> Gabb. | | | | | | |
| 19 | <i>C. bidentata</i> Orbigny | 41 | 14 | ..... | $\frac{7}{168}$ | Hatteras |
| 20 | <i>C. oryza</i> Totten | 52 | 23 | 3.07 | ..... | Cape Cod |
| Genus <i>UTRICULUS</i> Brown. | | | | | | |
| 21 | <i>U. Frielei</i> Dall | 17 | 4 | 8.2 | $\frac{100}{640}$ | Gulf of Mex. |
| 22 | <i>U. vortex</i> Dall | 17 | 3 | 7.5 | $\frac{266}{339}$ | Rhode Island |
| | | 44 | 15 | 10.0 | | |
| 23 | <i>U. domitus</i> Dall..... | 17 | 8 | 9.0 | $\frac{382}{1891}$ | ..... |
| Subgenus <i>Retusa</i> Brown. | | | | | | |
| 24 | <i>R. Gouldii</i> Couthouy | 72 | 7 | 3.0 | $\frac{5}{22}$ | Maine |
| 25 | <i>R. pertennis</i> Mighels | 52 | 25, 26 | 2.7 | $\frac{10}{294}$ | Norway |
| | | 72 | 6 | | | |
| 26 | <i>R. sulcata</i> Orbigny..... | | | | $\frac{14}{31}$ | Hatteras |
| 27 | <i>R. ovata</i> Jeffreys..... | | | | $\frac{27}{1060}$ | N. Atlantic.. |
| 28 | <i>R. obesuscula</i> Brugnone | | | | $\frac{63}{168}$ | Rhode Island |
| 29 | <i>R. cælata</i> Bush..... | 41 | 15 | 3.0 | $\frac{15}{294}$ | Hatteras |
| Genus <i>VOLVULA</i> A. Adams. | | | | | | |
| 30 | <i>V. acuta</i> Orbigny..... | 41 | 11 | 2.5 | $\frac{15}{63}$ | Hatteras |
| 31 | <i>V. oxytata</i> Bush | 41 | 12 | 4.0 | $\frac{5}{63}$ | Hatteras |
| 32 | <i>V. Bushii</i> Dall | | | 4.6 | 124 | Hatteras |
| 33 | <i>V. aspinosa</i> Dall | | | 4.0 | $\frac{18}{200}$ | Hatteras |
| Family SCAPHANDRIDÆ. | | | | | | |
| Genus <i>SCAPHANDER</i> Montfort. | | | | | | |
| 34 | <i>S. punctostriatus</i> Mighels | 72 | 4 | ..... | $\frac{16}{167}$ | Norway |
| 35 | <i>S. Watsonii</i> Dall | 17 | 10 | 8.75 | $\frac{54}{324}$ | Hatteras |
| 36 | <i>S. nobilis</i> Verrill | 64 | 106 | 35.0 | $\frac{1209}{1639}$ | Delaware B.. |
| Subgenus <i>Sabatia</i> Bellardi. | | | | | | |
| 37 | <i>S. bathymophila</i> Dall..... | 17 | 9, 9b | 16.5 | $\frac{294}{1268}$ | Fernandina .. |
| Genus <i>ATYS</i> Montfort. | | | | | | |
| 38 | <i>A. Sandersoni</i> Dall..... | 17 | 7 | 6.5 | $\frac{8}{205}$ | Hatteras |
| 39 | <i>A. caribæa</i> Orbigny | | | | $\frac{15}{100}$ | Hatteras |
| Genus <i>CYLICHNA</i> Lovén. | | | | | | |
| 40 | <i>C. Verrillii</i> Dall..... | | | 7.5 | $\frac{31}{294}$ | Hatteras |
| 41 | <i>C. alba</i> Brown | 52 | 21 | ..... | ..... | Arctic Sea... |
| Genus <i>DIAPHANA</i> Brown. | | | | | | |
| 42 | <i>D. debilis</i> Gould..... | 52 | 24 | 3.5 | $\frac{6}{30}$ | Arctic Sea... |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or L. n. | Range in depth. | Northern extreme range. |
|------------------------------|---------------------------------|-------|---------|---------------|--------------------|-------------------------|
| Family APLUSTRIDÆ. | | | | | | |
| Genus APLUSTRUM Schum. | | | | | | |
| Subgenus Hydatina Schum. | | | | | | |
| 43 | H. physis Linné..... | ..... | ..... | ..... | ..... | Sarasota..... |
| Subgenus Bullina Férussac. | | | | | | |
| 44 | B. undata Bruguière..... | ..... | ..... | ..... | ..... | Florida Keys. |
| Family BULLIDÆ. | | | | | | |
| Genus BULLA Linné. | | | | | | |
| 45 | B. striata Bruguière..... | ..... | ..... | ..... | ..... | Texas..... |
| 46 | B. solida Gmelin..... | ..... | ..... | ..... | ..... | Florida Keys. |
| 47 | B. occidentalis A. Adams..... | ..... | ..... | ..... | ..... | Tampa..... |
| 48 | B. eburnea Dall..... | 17 | 6 | 7.25 | $\frac{137}{339}$ | Hatteras..... |
| 49 | B. abyssicola Dall..... | 17 | 11 | 12.7 | $\frac{339}{1181}$ | Ireland..... |
| Genus HAMINEA Leach. | | | | | | |
| 50 | H. succinea Conrad..... | ..... | ..... | ..... | $\frac{9}{70}$ | Texas..... |
| 51 | H. solitaria Say..... | 52 | 20 | 10.0 | ..... | Mass. Bay.. |
| 52 | H. antillarum Orbigny..... | ..... | ..... | ..... | ..... | Tampa..... |
| 53 | H. Guildingi Swainson..... | ..... | ..... | ..... | ..... | Texas..... |
| 54 | H. Petitii Orbigny..... | ..... | ..... | ..... | ..... | Tampa..... |
| Genus CYLINDROBULLA Fischer. | | | | | | |
| 55 | C. Beani Fischer..... | ..... | ..... | ..... | $\frac{2}{98}$ | Cedar Keys.. |
| Family PHILINIDÆ. | | | | | | |
| Genus PHILINE Ascanius. | | | | | | |
| 56 | P. sagra Orbigny..... | 41 | 16, 16a | ..... | $\frac{3}{30}$ | Hatteras..... |
| 57 | P. infundibulum Dall..... | ..... | ..... | 12.0 | $\frac{118}{372}$ | Florida Str.. |
| 58 | P. sinuata Stimpson..... | 72 | 2 | ..... | ..... | Norway..... |
| 59 | P. amabilis Verrill..... | ..... | ..... | ..... | $\frac{130}{136}$ | Rhode Island |
| 60 | P. ———..... | ..... | ..... | ..... | $\frac{107}{168}$ | Hatteras..... |
| 61 | P. flexuosa Sars..... | ..... | ..... | ..... | ..... | Norway..... |
| Family GASTROPTERIDÆ. | | | | | | |
| Genus GASTROPTERON Meckel. | | | | | | |
| 62 | G. Meckelii? Kosse..... | ..... | ..... | ..... | ..... | Mediterran'n. |
| Family UMBRACULIDÆ. | | | | | | |
| Genus UMBRACULUM Schum. | | | | | | |
| 63 | U. bermudense Mörch..... | 14 | 9, 10 | 10.0 | ..... | Bermuda..... |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hut. | Ga. | East Fla. | Fla. Keys | West Fla. | Tex. | West Ind. | Bermuda. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|-----------|-----------|------|-----------|----------|------|----------|-------------------------|----------------|
| | | | | | * | * | | * | * | | | Guadalupe .. | |
| | | | | | * | | | * | | | | Tortola | |
| | | | | * | * | * | * | * | * | | | Barbados.... | Pliocene. |
| | | | | * | * | | * | * | | | | Barbados.... | |
| | | | | * | * | | | * | * | | | St. Vincent.. | |
| | | † | † | | † | | | † | | | | Cuba | |
| | | | | † | † | † | | † | | † | | Santa Cruz.. | |
| | | | | | * | * | * | † | | | | Grenada..... | |
| | | * | * | | | | | | | | | Georgia | |
| | | | | | * | * | | * | | | | Guadalupe .. | |
| | | | | | * | * | * | * | | | | Rio Janeiro .. | |
| | | | | | ? | * | | * | | | | St. Thomas.. | |
| | | | | | * | † | | * | | | | Guadalupe .. | |
| | | * | | | | | | * | | | | Martinique .. | |
| | | | | | † | | | † | | | | Barbados.... | |
| | | | | | * | | | | | * | | Marco..... | |
| † | | | | | | | | | | | | Delaware.... | |
| | | † | | | | | | | | | | C. Lookout.. | |
| | | | | | | | † | † | | † | | Yucatan..... | |
| | | | | † | | | | † | | † | | Guadalupe .. | |
| | | | | | * | | | * | * | | | Florida Str.. | Pliocene. |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|--|---------------------------------|-----|-------|--------------|-------------------|-------------------------|
| Genus HYALOPATINA Dall. | | | | | | |
| 64 | H. Rushii Dall | | | 9.3 | | Florida Str.. |
| | <i>Superfamily ANASPIDEA.</i> | | | | | |
| | Family APLYSIIDÆ. | | | | | |
| Genus APLYSIA Linné. | | | | | | |
| 65 | A. protea Rang | | | | | St. Augustine |
| 66 | A. Willcoxii Heilprin | | | 200.0 | | Gasparilla ... |
| | <i>Superfamily NOTASPIDEA.</i> | | | | | |
| | Family PLEUROBRANCHIDÆ. | | | | | |
| Genus PLEUROBRANCHUS Cuvier. | | | | | | |
| 67 | P. americanus Verrill | 46 | 13 | 13.5 | 250 | Rhode Island |
| Genus PLEUROBRANCHÆA Meckel. | | | | | | |
| 68 | P. tarda Verrill | | | | $\frac{28}{340}$ | Rhode Island |
| Genus KOONSIA Verrill. | | | | | | |
| 69 | K. obesa Verrill | 43 | 7 | 128.0 | $\frac{132}{312}$ | Rhode Island |
| Order NUDI BRANCHIATA. | | | | | | |
| -[Omitted.] | | | | | | |
| Order PULMONATA. | | | | | | |
| Suborder STYLOMMATOPHORA. | | | | | | |
| <i>Superfamily DITREMATA.</i> | | | | | | |
| Family ONCHIDIIDÆ. | | | | | | |
| Genus ONCHIDIUM Cuvier. | | | | | | |
| 70 | O. floridanum Dall | | | | | Knight's Key |
| Family VERONICELLIDÆ. | | | | | | |
| Genus VERONICELLA Blainville. | | | | | | |
| 71 | V. floridana Binney | | | 56.0 | | Charlotte H. |
| Suborder BASOMMATOPHORA. | | | | | | |
| <i>Superfamily AKTEOPHILA.</i> | | | | | | |
| Family AURICULIDÆ. | | | | | | |
| Subfamily AURICULINÆ. | | | | | | |
| Genus AURICULA Lam. | | | | | | |
| Subgenus <i>Auriculastrum</i> Fischer. | | | | | | |
| 72 | A. pellucens Menke | 47 | 8 | 16.0 | | Cedar Keys.. |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | | | * | | | | * | | | | Bahamas . . . | |
| | | | * | * | * | * | | * | * | | | N. Grenada . . | |
| | | | | | | * | | | | | | | |
| † | | | | | | | | | | | | | |
| *† | † | | | | | | | | | | | Chesapeake . . | |
| *† | | | | | | | | | | | | Delaware . . . | |
| | | | | | * | | | | ? | | | Florida Keys. | |
| | | | | | * | * | | | | | | Florida Keys. | |
| | | | | * | * | | | * | | | | Demerara . . . | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|--|---|-----|-------|--------------|-----------------|-------------------------|
| Genus TRALIA Gray. | | | | | | |
| 73 | <i>T. pusilla</i> Gmelin..... | 47 | 5 | 21.0 | ..... | Cedar Keys.. |
| 74 | <i>T. minuscula</i> Dall | | | | | Tampa |
| Subgenus Alexia Gray. | | | | | | |
| 75 | <i>A. myosotis</i> Draparnaud..... | 52 | 9 | | | England ... |
| Subfamily MELAMPINÆ. | | | | | | |
| Genus PEDIPES (Adans.) Blainv. | | | | | | |
| 76 | <i>P. mirabilis</i> Muhlfeldt..... | 47 | 17 | 3.6 | ..... | Tampa |
| 77 | <i>P. elongatus</i> Dall..... | 47 | 4 | 4.0 | ..... | Marco, Fla.. |
| Genus MELAMPUS Mtf. | | | | | | |
| 78 | <i>M. coffeus</i> Linné..... | 47 | 3 | | | Cedar Keys.. |
| 79 | <i>M. floridanus</i> Shuttleworth | 47 | 2 | | | Tampa |
| 80 | <i>M. flavus</i> Gmelin | 47 | 1 | 12.0 | | Cedar Keys.. |
| 81 | <i>M. lineatus</i> Say..... | 47 | 9, 12 | | | Mass. Bay.. |
| Subgenus Leuconia Gray. | | | | | | |
| 82 | <i>L. bidentata</i> Montagu | 47 | 13 | | | Shetland ... |
| Subgenus Detracia Gray. | | | | | | |
| 83 | <i>D. bulloides</i> Montagu | 47 | 7 | 11.0 | | Cedar Keys.. |
| Subgenus Sayella Dall. | | | | | | |
| 84 | <i>S. Hemphillii</i> Dall..... | 47 | 11 | 3.7 | | Cedar Keys.. |
| 85 | <i>S. Crosseana</i> Dall..... | 47 | 10 | 2.5 | | Egmont Key- |
| 86 | <i>S. ———</i> | | | | | Tampa |
| Genus BLAUNERIA Shuttlew. | | | | | | |
| 87 | <i>B. heteroclita</i> Montagu | 47 | 14 | | | Tampa |
| Superfamily PETROPHILA. | | | | | | |
| Family SIPHONARIIDÆ. | | | | | | |
| Genus SIPHONARIA Sby. | | | | | | |
| Subgenus Siphonaria s. s. | | | | | | |
| 88 | <i>S. alternata</i> Say | | | | | Bermuda ... |
| 89 | <i>S. lineolata</i> Orbigny | | | | | Fernandina .. |
| Subgenus Williamia Monterosato. | | | | | | |
| 90 | <i>W. Krebsii</i> Mörch | | | | | Turtle Harb.. |
| Family GADINIIDÆ. | | | | | | |
| Genus GADINIA Gray. | | | | | | |
| 91 | <i>G. carinata</i> Dall | | | | | Cuba..... |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | | | | * | * | | * | * | | | Guadalupe .. | |
| | | | | | * | * | | * | * | | | Bahamas | |
| * | | * | | | | * | | * | | * | * | Jamaica | |
| | | | | | * | * | | * | * | | | Guadalupe .. | |
| | | | | | * | * | | * | * | | | | |
| | | | | | * | * | * | * | | | | Cayenne | P. Pliocene. |
| | | | | | * | * | | | | | | Florida Keys | |
| | | | | | * | * | | * | | | * | Guadalupe .. | |
| * | * | * | * | * | * | * | * | * | | | | Tortola | |
| ? | | ? | | | | | | | | * | | S. Carolina ?. | |
| | | | | | * | * | | * | | | | Antilles | |
| | | | | | | * | | * | | | | | |
| | | | | | | * | | * | | | | Bahamas | |
| | | | | | | * | | * | | | | Bahamas | |
| | | | | | * | * | | * | | * | | Porto Rico .. | |
| | | | | | * | * | | * | | | | | |
| | | | | | * | * | | * | | | | Florida Keys | |
| | | | | * | * | * | * | * | | ? | | Brazil | |
| | | | | | * | * | | * | | | | Barbados | |
| | | | | | ? | | | * | * | | | Colon | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|---------------------------------|------------------------------------|-----|-------|--------------|-------------------|-------------------------|
| Superorder STREPTONEURA. | | | | | | |
| Order CTENOBRANCHIATA. | | | | | | |
| Suborder ORTHODONTA. | | | | | | |
| Superfamily TOXOGLOSSA. | | | | | | |
| Family TEREBRIDÆ. | | | | | | |
| Genus TEREBRA Bruguière. | | | | | | |
| Section HASTULA H. & A. Adams. | | | | | | |
| 92 | <i>T. hastata</i> Gmelin | | | | | Key West ... |
| 93 | <i>T. cinerea</i> Gmelin | | | | | Texas |
| Section SUBULA Schumacher. | | | | | | |
| 94 | <i>T. floridana</i> Dall | | | 70.0 | $\frac{4}{8}$ | Key West ... |
| Section ACUS H. & A. Adams: | | | | | | |
| 95 | <i>T. dislocata</i> Say | | | 57.0 | | Maryland ... |
| 96 | <i>T. concava</i> Say | | | 19.0 | | Hatteras ... |
| 97 | var. <i>vinosa</i> Dall | | | 18.0 | | Hatteras ... |
| 98 | <i>T. protexta</i> Conrad | | | 21.2 | $\frac{3}{8}$ | Hatteras ... |
| 99 | var. <i>lutescens</i> Smith | | | 15.5 | | Cape Fear ... |
| 100 | <i>T. nassula</i> Dall | 36 | 8 | 55.0 | $\frac{84}{640}$ | Gulf of Mex. |
| 101 | <i>T. limatula</i> Dall | | | 18.0 | $\frac{27}{100}$ | C. Lookout.. |
| 102 | <i>T. benthalis</i> Dall | 29 | 6 | 21.0 | $\frac{100}{400}$ | Fernandina . |
| 103 | <i>T. Rushii</i> Dall | | | 15.0 | 8 | Florida Keys |
| Family CONIDÆ. | | | | | | |
| Genus CONUS Linné. | | | | | | |
| 104 | <i>C. proteus</i> Hwass | | | | $\frac{10}{20}$ | Gulf of Mex. |
| 105 | <i>C. centurio</i> Born | | | | $\frac{3}{8}$ | Cedar Keys.. |
| 106 | <i>C. Delessertii</i> Recluz | | | 51.0 | $\frac{3}{8}$ | Hatteras ... |
| 107 | <i>C. flavescens</i> Gray | | | | $\frac{15}{170}$ | Hatteras ... |
| 108 | <i>C. floridanus</i> Gabb | | | | | Hatteras ... |
| 109 | <i>C. Agassizii</i> Dall | 9 | 8, 8a | 30.0 | $\frac{110}{5}$ | Bermuda ... |
| 110 | <i>C. Pealii</i> Green | | | | $\frac{9}{8}$ | Hatteras ... |
| 111 | <i>C. pygmaeus</i> Reeve | | | | | Magill Bay .. |
| 112 | <i>C. verrucosus</i> Hwass | | | | | Florida Keys |
| 113 | <i>C. mus</i> Hwass | | | | $\frac{9}{8}$ | Jupiter Inlet |
| 114 | <i>C. amphirugus</i> Dall | | | | 26 | Gulf of Mex. |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | | | | * | | | * | * | | | Tortola | |
| | | | | | | | * | * | | | | Barbados..... | |
| | | | | | †* | | | | | | | Florida Str.. | |
| | | * | * | * | * | * | * | * | | | | Venezuela ... | Pliocene. |
| | | * | * | | | | | | | | | Georgia | Pliocene. |
| | | * | * | | | * | | | | | | W. Florida .. | |
| | | * | * | * | | * | * | | | | | Texas | Pliocene. |
| | | * | | | | * | | | | | | W. Florida .. | |
| | | | | | | † | | † | | | | Martinique .. | |
| | | * | | † | † | † | | † | | | | Barbados..... | |
| | | | | † | † | | | ? | | | | Havana | |
| | | | | | * | | | | | | | Cape Florida. | |
| | | | | * | * | * | | * | | | | Venezuela ... | Pliocene. |
| | | | | | | * | | * | | | | Santa Cruz .. | |
| | | †* | | | * | *† | | | | * | | Florida Keys | |
| | | † | | | * | * | | †* | | | | Barbados..... | Pliocene. |
| | | * | | * | * | * | | | | | | Florida Keys | Pliocene. |
| | | | | | | | | † | * | | | Barbados..... | |
| | | * | | | * | * | | * | | | | Darien | Pliocene. |
| | | | | | * | * | | * | | | | Tobago..... | Pliocene. |
| | | | | | * | | | * | * | | | Brazil | |
| | | | | * | * | | | * | * | | | Swan Islands | |
| | | | | | ♀ | | * | | | | | Yucatan..... | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|--------------------------------------|------------------------------------|-----|-------|--------------|--------------------|-------------------------|
| Family PLEUROTOMIDÆ. | | | | | | |
| Genus PLEUROTOMA Lamarck. | | | | | | |
| Subgenus <i>Pleurotoma</i> s. s. | | | | | | |
| 115 | <i>P. albida</i> Perry | | | | $\frac{26}{100}$ | Cedar Keys.. |
| 116 | var. <i>tellea</i> Dall | | | 100.0 | $\frac{60}{111}$ | W. Florida.. |
| 117 | var. <i>vibex</i> Dall | | | 19.0 | $\frac{130}{130}$ | Florida Keys |
| 118 | <i>P. periscelida</i> Dall | 32 | 2 | 40.0 | $\frac{197}{125}$ | Hatteras ... |
| Subgenus <i>Leucosyrinx</i> Dall. | | | | | | |
| 119 | <i>L. Verrillii</i> Dall | 10 | 5 | 36.0 | $\frac{150}{940}$ | Cape Fear... |
| 120 | <i>L. Sigsbeeii</i> Dall | 11 | 10 | 25.5 | 1591 | Gulf of Mex |
| 121 | <i>L. tenoceras</i> Dall | 36 | 5 | 60.0 | $\frac{472}{124}$ | Cape Fear... |
| 122 | <i>L. subgrundifera</i> Dall | 38 | 1 | 30.0 | $\frac{528}{940}$ | Cape Fear... |
| Subgenus <i>Ancistrosyrinx</i> Dall. | | | | | | |
| 123 | <i>A. elegans</i> Dall | 38 | 3 | 27.0 | 805 | Florida Reefs |
| 124 | <i>A. radiata</i> Dall | 12 | 12 | 18.0 | $\frac{73}{640}$ | Cedar Keys.. |
| Subgenus <i>Genota</i> Adams. | | | | | | |
| 125 | <i>G. mitrella</i> Dall | 12 | 5 | 12.5 | $\frac{244}{640}$ | Fernandina . |
| Section DOLICHOTOMA Bellardi. | | | | | | |
| 126 | <i>G. viabrunnea</i> Dall | 13 | 2 | 38.0 | $\frac{180}{307}$ | South Cuba . |
| Genus DRILLIA Gray. | | | | | | |
| 127 | <i>D. ostrearum</i> Stearns | | | | $\frac{16}{170}$ | Hatteras ... |
| 128 | <i>D. albicoma</i> Dall | 10 | 8 | 25.7 | $\frac{84}{104}$ | Gulf of Mex. |
| 129 | <i>D. detecta</i> Dall | 12 | 11 | 11.7 | $\frac{330}{330}$ | Gulf of Mex. |
| 130 | <i>D. alesidota</i> Dall | | | 48.0 | $\frac{63}{107}$ | Hatteras ... |
| 131 | var. <i>macilenta</i> Dall | 36 | 1 | 36.0 | $\frac{95}{111}$ | Cape Fear... |
| 132 | <i>D. polytorta</i> Dall | 10 | 6 | 33.5 | 413 | Gulf of Mex. |
| 133 | <i>D. eucosmia</i> Dall | 13 | 1 | 19.0 | 170 | ..... |
| 134 | var. <i>canna</i> Dall | | | 15.2 | $\frac{50}{50}$ | C. Lookout.. |
| 135 | <i>D. Harfordiana</i> Reeve | | | | | Vera Cruz. |
| 136 | <i>D. ———</i> | | | | | Florida Keys |
| 137 | <i>D. ebenina</i> Dall | | | | | Tortugas ... |
| 138 | <i>D. leucocyma</i> Dall | 48 | 7 | 7.5 | | Sarasota ... |
| 139 | <i>D. albinodata</i> Reeve | | | | | Charlotte H. |
| 140 | <i>D. haliostrephis</i> Dall | 13 | 3 | 20.0 | 84 | Gulf of Mex. |
| 141 | <i>D. aestra</i> Dall | 10 | 7 | 19.0 | $\frac{101}{100}$ | Gulf of Mex. |
| 142 | <i>D. pharcida</i> Dall | 12 | 2 | 9.5 | $\frac{150}{1002}$ | East Florida. |
| 143 | <i>D. acrybia</i> Dall | | | 10.0 | $\frac{130}{294}$ | Fernandina . |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber- mu- da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|--------------------|------|----------|-------------------------|----------------|
| | | | | | | †* | | †* | | | | Barbados.... | Miocene. |
| | | | | | | † | | | | | | W. Florida .. | |
| | | | | | † | | | † | | | | Saba, W. Ind. | |
| | | † | | | | | | † | | | | Monosquillo. | |
| | | † | | | | † | | † | | | | Guadalupe .. | Pliocene. |
| | | | | | | | † | † | | | | Bequia | |
| | | † | | | | † | | † | | | | Guadalupe .. | |
| | | † | | † | | † | | † | | | | St. Kitt's.... | |
| | | | | | † | | | † | | | | Cuba..... | |
| | | | | | † | * | | † | | | | Barbados.... | |
| | | | † | | | | | † | | | | Yucatan..... | |
| | | | | | | | | † | | | | Barbados.... | |
| | | * | | | * | * | | † | | | | Grenada..... | |
| | | | | | | † | | † | | | | Barbados.... | |
| | | | | | | † | | † | | | | Culebra | |
| | | † | | | | † | | | | | | Gulf of Mex . | |
| | | † | | | | † | | † | | | | Barbados.... | |
| | | | | | | | | † | | | | Yucatan..... | |
| | | | | | | | | † | | | | Grenada..... | |
| | | † | | | | † | | † | | | | Grenada..... | |
| | | | | | | | ? | * | | | | Yucatan | |
| | | | | | * | | | | | | | Costa Rica .. | |
| | | | | | * | | | | | | | Vera Cruz... | |
| | | | | | * | * | | | | | | Yucatan | |
| | | | | | * | * | | * | | | | St. Domingo. | |
| | | | | | * | † | | | | | | Gulf of Mex. | |
| | | | | | | † | | * | | | | Grenada | |
| | | | | | † | † | | † | | | | Barbados.... | |
| | | | † | † | | | | | | | | East Florida | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|-----------------------------|---|-----|-------|--------------|----------------------|-------------------------|
| 144 | <i>Drillia tristicha</i> Dall | | | 23.0 | $\frac{111}{210}$ | Cedar Keys.. |
| 145 | <i>D. ebur</i> Reeve | | | | $\frac{14}{60}$ | Hatteras |
| 146 | <i>D. fucata</i> Reeve | | | | $\frac{14}{60}$ | Cape Fear... |
| 147 | var. <i>paria</i> Reeve | | | | $\frac{14}{60}$ | Cape Fear... |
| 148 | <i>D. pagodula</i> Dall | 13 | 6 | 18.0 | $\frac{5.0}{15.4}$ | Florida Str.. |
| 149 | var. <i>pentagonalis</i> Dall..... | | | 7.0 | 49 | Hatteras |
| 150 | <i>D. thea</i> Dall..... | 48 | 1 | 15.0 | $\frac{3}{5}$ | Hatteras |
| 151 | var. <i>carminura</i> Dall | | | 11.5 | $\frac{10.0}{11}$ | Gulf of Mex. |
| 152 | <i>D. Simpsoui</i> Dall..... | | | | $\frac{5}{8}$ | Hatteras |
| 153 | <i>D. lissotropis</i> Dall | 11 | 3, 4 | 7.0 | $\frac{7.3}{24.8}$ | Gulf of Mex. |
| 154 | <i>D. Dalli</i> Verrill..... | 60 | 66, a | 19.5 | $\frac{9.4}{14.6}$ | Rhode Island |
| 155 | var. <i>acloneta</i> Dall | | | | $\frac{17.0}{29.4}$ | Georgia |
| 156 | var. <i>cestrota</i> Dall..... | | | | 196 | Cedar Keys.. |
| 157 | <i>D. nucleata</i> Dall..... | 11 | 1 | 13.5 | $\frac{5.4}{46.4}$ | Cape Florida |
| 158 | <i>D. Verrillii</i> Dall..... | 11 | 2 | 5.5 | $\frac{2.0}{31.0}$ | Gulf of Mex. |
| 159 | <i>D. havanensis</i> Dall..... | 11 | 5 | 9.0 | $\frac{2.62}{4.0}$ | Florida Keys |
| 160 | <i>D. premorra</i> Dall | 11 | 18 | 9.5 | $\frac{1.00}{4.00}$ | Fernandina . |
| 161 | <i>D. oleacina</i> Dall | 11 | 8 | 10.0 | $\frac{3.47}{4.0}$ | Florida Str.. |
| 162 | <i>D. smirna</i> Dall | 11 | 7 | 15.0 | $\frac{3.83}{11.3}$ | Florida Str.. |
| 163 | <i>D. lithocolleta</i> Watson..... | 11 | 6 | 12.5 | $\frac{4.07}{6.5}$ | Hatteras |
| Section CYMATOSYRINX Dall. | | | | | | |
| 164 | <i>D. centimata</i> Dall..... | 36 | 9 | 22.5 | $\frac{7.31}{19.20}$ | Hatteras |
| 165 | <i>D. apynota</i> Dall | 36 | 10 | 15.0 | $\frac{2.5}{12.0}$ | Hatteras |
| 166 | <i>D. Moseri</i> Dall..... | 36 | 3 | 30.0 | $\frac{3}{50}$ | Hatteras |
| 167 | <i>D.</i> | | | | 15 | Florida Keys |
| 168 | <i>D.</i> | | | | $\frac{2.04}{16.5}$ | Georgia |
| 169 | <i>D.</i> | | | | 294 | Georgia |
| Genus BORSONIA Bellardi. | | | | | | |
| Subgenus Cordieria Rouault. | | | | | | |
| 170 | <i>C. Rouaultii</i> Dall..... | 36 | 11 | 13.6 | 100 | ..... |
| Genus BELA Gray. | | | | | | |
| 171 | <i>B. subvitrea</i> Verrill..... | | | 13.5 | 843 | Hatteras |
| 172 | <i>B. tenuicostata</i> G. O. Sars | | | | $\frac{8.43}{12.0}$ | Norway |
| 173 | <i>B.</i> | | | | 465 | Florida Str.. |
| 174 | <i>B. Blakei</i> Verrill..... | | | 16.0 | 2021 | Chesapeake . |
| 175 | <i>B.</i> | | | | 124 | Hatteras |
| 176 | <i>B. harpularia</i> Couthony..... | 50 | 17 | 17.0 | $\frac{1.0}{36.8}$ | Nova Scotia . |
| 177 | <i>B.</i> | | | | $\frac{6.3}{16.8}$ | Hatteras |
| 178 | <i>B. Rathbuni</i> Verrill..... | | | 27.0 | 1395 | Hatteras |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|---------------------------------------|------------------------------------|----------|----------|--------------|-------------------|-------------------------|
| 179 | Bela ——— | ..... | ..... | ..... | 300 | Hatteras |
| 180 | B. subturgida Verrill | ..... | ..... | 9.0 | 843 | Hatteras |
| 181 | B. ——— | ..... | ..... | ..... | $\frac{63}{124}$ | Hatteras |
| 182 | B. <i>Tanneri</i> Verrill | 61 | 78 | 21.0 | 1290 | Gulf of Maine |
| Genus MANGILIA Risso. | | | | | | |
| Subgenus <i>Cythara</i> Schumacher. | | | | | | |
| 183 | C. <i>Bartlettii</i> Dall | 12 14 | 6 5,8 | 8.0 10.0 | $\frac{0}{480}$ | Key West ... |
| 184 | C. <i>cymella</i> Dall | 12 | 4 | 12.5 | $\frac{100}{220}$ | Gulf of Mex . |
| Subgenus <i>Daphnella</i> Hinds. | | | | | | |
| 185 | D. <i>limnaeiformis</i> Kiener | ..... | ..... | ..... | ..... | Florida Keys |
| 186 | D. <i>leucophlegma</i> Dall | 9 | 9 | 10.25 | 805 | Gulf of Mex . |
| 187 | D. <i>corbicula</i> Dall | 14 | 9 | 11.2 | $\frac{19}{100}$ | Hatteras |
| 188 | D. <i>reticulosa</i> Dall | 10 | 10 | 11.5 | $\frac{76}{294}$ | Fernandina . |
| 189 | D. <i>pompholyx</i> Dall | 36 | 4 | 12.5 | $\frac{103}{294}$ | Fernandina . |
| 190 | D. <i>retifera</i> Dall | ..... | ..... | 6.5 | $\frac{69}{33}$ | Hatteras |
| 191 | D. <i>morra</i> Dall | 12 | 1 | 5.75 | $\frac{23}{30}$ | C. Lookout.. |
| 192 | D. <i>elata</i> Dall | ..... | ..... | 4.75 | $\frac{12}{2}$ | Hatteras |
| Section EUBELA Dall. | | | | | | |
| 193 | D. <i>limacina</i> Dall | 9 | 10 | 11.0 | $\frac{85}{305}$ | Rhode Island |
| 194 | D. <i>calyx</i> Dall | ..... | ..... | ..... | 124 | Hatteras |
| 195 | D. ——— | ..... | ..... | ..... | 805 | Gulf of Mex . |
| 196 | D. <i>sofia</i> Dall | 10 | 11 | 8.0 | 769 | N. Carolina? |
| 197 | var. <i>hyperlissa</i> Dall | ..... | ..... | 8.5 | 731 | Hatteras |
| Subgenus <i>Glyphostoma</i> Gabb. | | | | | | |
| 198 | G. <i>dentifera</i> Gabb | ..... | ..... | ..... | 15 | Florida Str .. |
| 199 | G. <i>Gabbii</i> Dall | 13 | 4,5,7,8 | 17.5 | $\frac{30}{250}$ | Gulf of Mex . |
| 200 | G. <i>gratula</i> Dall | 12 | 10 | 17.5 | $\frac{227}{447}$ | East Florida. |
| Subgenus <i>Mangilia</i> Risso, s. s. | | | | | | |
| 201 | M. <i>balteata</i> Reeve | ..... | ..... | ..... | ..... | Hatteras |
| 202 | M. <i>psila</i> Bush | 41 | 2 | 6.0 | ..... | Hatteras |
| 203 | M. <i>oxytata</i> Bush | 41 | 1 | 5.0 | 48 | Hatteras |
| 204 | M. <i>astrieta</i> Reeve | ..... | ..... | ..... | ..... | Florida Keys |
| 205 | M. <i>biconica</i> C. B. Adams | ..... | ..... | ..... | ..... | Hatteras |
| 206 | M. <i>plicosa</i> C. B. Adams | 50 | 14 | ..... | 0 | Cape Cod ... |
| 207 | M. <i>rubella</i> Kurtz & Stimpson | ..... | ..... | ..... | ..... | C. Lookout.. |
| 208 | M. <i>bicarinata</i> Couthouy | 50 | 15 | 11.0 | $\frac{0}{420}$ | Arctic Seas.. |
| 209 | M. <i>stellata</i> Stearns | ..... | ..... | ..... | ..... | Tampa |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range |
|----------|---|----------------|---------------|--------------|---------------------|------------------------|
| 210 | <i>Mangilia atrostyla</i> Dall..... | 41 | 4, 4a | 8.75 | $\frac{14}{333}$ | Hatteras |
| 211 | <i>M. limonitella</i> Dall..... | 48 | 3 | 7.1 | $\frac{0}{0}$ | Cedar Keys.. |
| 212 | <i>M. cerina</i> Kurtz & Stimpson | 44 | 16, a | 6.75 | $\frac{3}{10}$ | Cape Cod ... |
| 213 | <i>M. ceroplasta</i> Bush | | | 5.5 | $\frac{1}{7}$ | Hatteras |
| 214 | <i>M. cerinella</i> Dall | | | 11.8 | $\frac{1}{2}$ | Hatteras |
| 215 | <i>M. quadrata</i> Reeve | | | 8.0 | | Hatteras |
| 216 | var. <i>diminuta</i> C. B. Adams | | | | | Hatteras |
| 217 | var. <i>rugirima</i> Dall..... | | | | | Florida Keys |
| 218 | var. <i>monocingulata</i> Dall | 11 | 15, 16 | 6.75 | 100 | ..... |
| 219 | <i>M. monilifera</i> Sowerby | | | | | Florida Keys |
| 220 | <i>M. citronella</i> Dall..... | 9 | 5 | 6.25 | 70 | ..... |
| 221 | <i>M. ———</i> | | | | | Hatteras |
| 222 | <i>M. Dorvilliae</i> Gray | | | | | Florida Keys |
| 223 | <i>M. ———</i> | | | | 22 | Hatteras |
| 224 | <i>M. melanitica</i> Dall | | | | | Hatteras |
| 225 | var. <i>oxia</i> Bush..... | 41 | 3, 3a | 5.0 | $\frac{7}{8}$ | Hatteras |
| 226 | <i>M. ———</i> | | | | 294 | Fernandina . |
| 227 | <i>M. antonia</i> Dall | 10 11 | 4 11 | 5.75 7.0 | $\frac{640}{769}$ | Fernandina . |
| 228 | <i>M. serga</i> Dall | 9 | 4 | 9.0 | $\frac{382}{1073}$ | Florida Str .. |
| 229 | <i>M. peripla</i> Dall | 11 | 17 | 8.0 | $\frac{640}{1000}$ | Gulf of Mex. |
| 230 | <i>M. elusiva</i> Dall | 12 | 7 | 9.25 | $\frac{320}{640}$ | Gulf of Mex. |
| 231 | <i>M. bandella</i> Dall..... | 10 60 | 3 73 | 9.4 11.0 | $\frac{321}{2100}$ | Gulf of Maine |
| 232 | <i>M. comatotropis</i> Dall | 11 44 61 | 12 8 77 | 6.0 | $\frac{507}{1075}$ | Rhode Island |
| 233 | <i>M. scipio</i> Dall | 10 | 12 | 14.0 | $\frac{124}{932}$ | Fernandina . |
| 234 | <i>M. pelagia</i> Dall | 11 | 9 | 10.8 | 539 | Gulf of Mex. |
| 235 | <i>M. exsculpta</i> Watson | 15 | 9 | 30.0 | $\frac{248}{640}$ | Gulf of Mex. |
| 236 | <i>M. Pourtalesii</i> Dall | 9 | 6 | 17.0 | $\frac{224}{447}$ | Fernandina . |
| 237 | <i>M. subsida</i> Dall | 12 | 3 | 13.0 | 339 | Gulf of Mex. |
| 238 | <i>M. toreumata</i> Dall | 12 | 8 | 10.2 | $\frac{204}{391}$ | Fernandina . |
| | Subgenus <i>Pleurotomella</i> Verrill. | | | | | |
| 239 | <i>P. Packardii</i> Verrill..... | 44 | 7 | 13.0 | $\frac{85}{193}$ | Gulf of Maine |
| 240 | var. <i>formosa</i> Jeffreys | 60 | 72 | 10.0 | $\frac{345}{1608}$ | N. Atlantic .. |
| 241 | var. <i>Benedicti</i> V. & S | 14 60 | 4 70, a | 11.0 17.0 | $\frac{1290}{1307}$ | Gulf of Maine |
| 242 | <i>P. Bruneri</i> V. & S..... | 61 | 75 | 22.0 | $\frac{1608}{2033}$ | Rhode Island |
| 243 | <i>P. leucomata</i> Dall | 11 | 13 | 13.7 | $\frac{533}{940}$ | Cedar Keys.. |
| 244 | <i>P. Catherineae</i> V. & S | 61 | 76, a | 23.0 | $\frac{842}{2033}$ | Gulf of Maine |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|----------|--|----------|---------|--------------|---------------------|-------------------------|
| 245 | <i>Pleurotomella Agassizii</i> V. & S. | 60 | 67, 71 | 31.0 | $\frac{39}{1608}$ | Rhode Island |
| 246 | var. <i>Sandersoni</i> Verrill | | | | $\frac{2890}{2633}$ | Gulf of Maine |
| 247 | var. <i>mexicana</i> Dall | 11 | 14 | 8.5 | $\frac{502}{640}$ | Gulf of Mex. |
| 248 | <i>P. Edgariana</i> Dall | 36 | 6 | 58.0 | 205 | ..... |
| 249 | <i>P. Pandionis</i> Verrill | 60 | 69 | 43.0 | $\frac{318}{319}$ | Rhode Island |
| 250 | <i>P. Emertonii</i> Verrill & Smith | 10 60 | 9 74 | 34.0 | $\frac{1917}{2393}$ | Chesapeake . |
| 251 | <i>P. tincta</i> Verrill | 46 | 4 | | 22.0 | $\frac{2512}{1174}$ | Virginia .... |
| 252 | <i>P. chariessa</i> Watson | 46 | 3 | 52.0 | $\frac{350}{1917}$ | N. Atlantic .. |
| 253 | var. <i>phalera</i> Dall | | | 38.0 | 731 | Cape Fear... |
| 254 | var. <i>aresta</i> Dall | | | 28.0 | 731 | Cape Fear... |
| 255 | var. <i>tellea</i> Dall | | | 29.0 | 731 | Cape Fear... |
| 256 | <i>P. filifera</i> Dall | 12 | 9 | 17.5 | 331 | Gulf of Mex . |
| 257 | <i>P. Frielei</i> Verrill | 46 | 5 | 22.0 | $\frac{1198}{1178}$ | Delaware ... |
| 258 | <i>P. hadria</i> Dall | | | 27.0 | $\frac{107}{181}$ | Cape Fear... |
| 259 | <i>P. Bairdii</i> Verrill | 60 | 68 | 55.0 | $\frac{944}{2221}$ | Rhode Island |
| 260 | <i>P. Lottæ</i> Verrill | 46 | 7 | 11.5 | 1525 | Delaware ... |
| | ? Section GYMNABELA Verrill. | | | | | |
| 261 | <i>P. extensa</i> Dall | 10 | 2 | 12.2 | $\frac{640}{1000}$ | N. Atlantic .. |
| 262 | <i>P. vitrea</i> Verrill | 46 | 6 | 8.0 | $\frac{384}{228}$ | Delaware ... |
| 263 | <i>P. Blakeana</i> Dall | 10 46 | 1 8 | 8.0 | $\frac{100}{1608}$ | Gulf of Maine |
| 264 | var. <i>agria</i> Dall | | | | 10.0 | 1685 | Chesapeake . |
| 265 | <i>P. curta</i> Verrill | | | 16.0 | $\frac{843}{1917}$ | Rhode Island |
| 266 | <i>P. tornata</i> V. var. <i>Malmii</i> Dall | | | 5.0 | $\frac{806}{1206}$ | Gulf of Maine |
| 267 | <i>P. engonia</i> Verrill | | | 17.0 | $\frac{906}{1608}$ | Gulf of Maine |
| | Subgenus Taranis Jeffreys. | | | | | |
| 268 | <i>T. cirrata</i> Brugnone | | | 6.0 | $\frac{124}{808}$ | Norway |
| | Genus SPIROTROPIS G. O. Sars. | | | | | |
| 269 | <i>S. ephamilla</i> Verrill | | | | $\frac{1917}{2221}$ | Chesapeake . |
| | Family CANCELLARIIDÆ. | | | | | |
| | Genus CANCELLARIA Lam. | | | | | |
| | Subgenus Cancellaria s. s. | | | | | |
| 270 | <i>C. reticulata</i> Linné | | | | $\frac{36}{36}$ | Hatteras |
| 271 | <i>C. Conradiana</i> Dall | | | | | Gulf of Mex . |
| | Subgenus Trigonostoma Blainville. | | | | | |
| 272 | <i>T. tenera</i> Philippi | | | | | Gulf of Mex . |
| 273 | <i>T. Smithii</i> Dall | 37 | 1 | 10.5 | $\frac{22}{49}$ | Hatteras |
| 274 | <i>T. Agassizii</i> Dall | 35 | 4 | 13.5 | $\frac{18}{28}$ | C. Lookout.. |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| † | .. | † | .. | .. | .. | .. | .. | .. | .. | .. | .. | Cape Fear... | |
| ?† | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | N. lat. 38½° .. | |
| .. | .. | .. | .. | .. | .. | † | † | † | .. | .. | .. | Martinique .. | |
| .. | .. | .. | .. | .. | .. | .. | .. | † | .. | .. | .. | Curaçoa | |
| ?† | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| † | .. | .. | .. | .. | .. | .. | .. | † | .. | .. | .. | Santa Cruz .. | |
| .. | † | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | N. lat. 36° .. | |
| † | .. | † | .. | .. | .. | .. | .. | † | .. | † | .. | St. Vincent.. | Pliocene. |
| .. | .. | † | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| .. | .. | † | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| .. | .. | .. | .. | .. | .. | † | .. | .. | .. | .. | .. | N. lat. 39° 33' | |
| .. | .. | † | .. | .. | .. | † | .. | .. | .. | .. | .. | Gulf of Mex . | |
| † | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | Delaware.... | |
| † | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| .. | .. | .. | .. | .. | .. | † | † | † | .. | .. | .. | Yucatan..... | |
| † | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| † | † | † | .. | .. | .. | † | .. | † | .. | .. | .. | Santa Cruz .. | |
| † | .. | .. | .. | .. | .. | .. | .. | † | .. | .. | .. | Guadalupe .. | |
| † | † | † | .. | .. | .. | .. | .. | .. | .. | .. | .. | Hatteras | |
| .. | .. | .. | .. | † | .. | .. | .. | † | .. | .. | .. | Gulf of Mex . | |
| ?† | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | Rhode Island | |
| .. | .. | † | .. | † | .. | .. | .. | † | .. | † | .. | Florida Str.. | Pliocene. |
| † | † | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| .. | .. | * | * | * | * | * | .. | * | .. | .. | .. | Guadalupe .. | P. Pliocene. |
| .. | .. | .. | .. | .. | .. | * | .. | .. | .. | .. | .. | .. | Pliocene. |
| .. | .. | .. | .. | .. | * | .. | * | * | .. | .. | .. | Yucatan | Pliocene. |
| .. | .. | * | .. | .. | .. | .. | .. | .. | .. | .. | .. | C. Lookout.. | |
| .. | .. | * | .. | * | * | .. | .. | .. | .. | .. | .. | Key West ... | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|----------------------------------|-------------------------------------|------------|-----------|--------------|--|-------------------------|
| Genus ADMETE Moller. | | | | | | |
| 275 | A.? <i>microscopica</i> Dall..... | ..... | ..... | ..... | $\frac{300}{780}$ | Fernandina .. |
| 276 | A.? <i>nodosa</i> Verrill | 46 | 9 | 12.0 | $\frac{316}{924}$ | Delaware ... |
| Genus BENTHOBI A Dall. | | | | | | |
| 277 | B. <i>Tryoni</i> Dall | 35 | 6 | 13.0 | 731 | Cape Fear... |
| <i>Superfamily RHACHIGLOSSA.</i> | | | | | | |
| Family OLIVIDÆ. | | | | | | |
| Genus OLIVA Bruguière. | | | | | | |
| 278 | O. <i>reticularis</i> Lamarck ..... | ..... | ..... | ..... | $\frac{0}{73}$ | Key West ... |
| 279 | O. <i>literata</i> Lamarck | 34 | 8, 8' | 60.0 | $\frac{0}{2}$ | Hatteras ... |
| Genus OLIVELLA Swainson. | | | | | | |
| 280 | O. <i>mutica</i> Say | 34 | 1, 2 | 13.0 | ..... | ..... |
| 281 | O. <i>nivea</i> Gmelin ..... | ..... | ..... | ..... | $\frac{0}{0}$ | Sarasota ... |
| 282 | O. <i>jaspidea</i> Gmelin ..... | ..... | ..... | ..... | $\frac{27}{805}$ | Hatteras ... |
| 283 | var. <i>fuscocincta</i> Dall ..... | ..... | ..... | ..... | $\frac{56}{260}$ | Florida Keys. |
| 284 | O. <i>bullula</i> Reeve ..... | ..... | ..... | ..... | $\frac{72}{184}$ | Hatteras ... |
| 285 | O. ——— ..... | ..... | ..... | ..... | ..... | Key West ... |
| 286 | O. <i>floralia</i> Duclos ..... | ..... | ..... | ..... | ..... | Hatteras ... |
| Family MARGINELLIDÆ. | | | | | | |
| Genus MARGINELLA Lamarck. | | | | | | |
| 287 | M. <i>carnea</i> Storer ..... | ..... | ..... | ..... | ..... | Charlotte H. |
| 288 | M. <i>Storeria</i> Conthouy ..... | ..... | ..... | ..... | ..... | Gulf of Mex |
| 289 | M. <i>oblonga</i> Swainson ..... | ..... | ..... | ..... | ..... | Florida Keys. |
| 290 | M. <i>guttata</i> Dillwyn ..... | ..... | ..... | ..... | ..... | Hatteras ... |
| 291 | M. <i>cassis</i> Dall | 35 | 8 | 15.0 | 101 | Florida Keys. |
| 292 | M. <i>limatula</i> Conrad ..... | ..... | ..... | ..... | ..... | Hatteras ... |
| 293 | M. <i>apicina</i> Menke ..... | ..... | ..... | ..... | ..... | Hatteras ... |
| 294 | var. <i>borealis</i> Verrill | { 44 61 | { 4 79 | 14.0 | $\frac{64}{100}$ | Rhode Island |
| 295 | M. <i>pellucida</i> Pfeiffer ..... | ..... | ..... | ..... | ..... | Sarasota ... |
| 296 | M. <i>nivosa</i> Hinds ..... | ..... | ..... | ..... | ..... | Key West ... |
| 297 | M. <i>Watsoni</i> Dall | { 19 38 | { 3 2 | 9.5 | { $\frac{220}{205}$ $\frac{220}{205}$ | Gulf of Mex. |
| 298 | M. <i>cineracea</i> Dall | 42 | 6 | 13.0 | $\frac{324}{170}$ | Cape Fear... |
| 299 | M. <i>hæmatita</i> Kiener ..... | ..... | ..... | ..... | $\frac{37}{170}$ | Gulf of Mex. |
| 300 | M. <i>fusina</i> Dall | 19 | 4 | 8.0 | $\frac{224}{140}$ | Fernandina .. |
| 301 | M. <i>yucatecana</i> Dall | 19 | 5 | 5.62 | $\frac{125}{625}$ | Florida Str.. |
| 302 | M. <i>virginiana</i> Conrad ..... | ..... | ..... | ..... | $\frac{10}{234}$ | Chesapeake .. |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | | † | | | | † | † | | | | Yucatan..... | |
| † | | | | | | | | | | | | | |
| | | † | | | | | | | | | | | |
| | | | | | * ♀ | | | * † | * | | | Brazil..... | Pliocene. |
| | | * | * | * | * | * | * | | | | | Key West.... | Pliocene. |
| | | * | | * | * | * | * | * | * | | | Trinidad.... | Pliocene. |
| | | | | | * | * | * | * | * | | | Haiti..... | |
| | | * | * | * | * † | * | * | * † | * | | | Brazil..... | Pliocene. |
| | | | | | * | | | * † | | | | Barbados.... | |
| | | † | | | † | | | † | * | | | Brazil..... | P. Pliocene. |
| | | | | | * | | | * | * | | | Brazil..... | |
| | | * | | * | * | * | | * | * | | | Tortola..... | |
| | | | | | * | * | | * | | | | Rum Cay.... | |
| | | | | | | * | | * | | | | Aspinwall... | |
| | | | | | * | | | * | | | | Yucatan..... | |
| | | * | | | * | | | * | | | | Swan Island.. | |
| | | | | | | † | | † | | | | Cuba..... | |
| | | * | | | | | | | | | | C. Lookout.. | Miocene. |
| | | * | | * | * | * | * | * | | | | Jamaica..... | Pliocene. |
| † | | † | | | | | | | | | | Cape Fear... | |
| | | | | | * | * | | * | | | | St. Thomas.. | |
| | | | | | † | | | * | | | | Jamaica..... | |
| | | | | † | † | † | | | | | | Yucatan..... | |
| | | † | † | | | | | | | | | Fernandina.. | |
| | | | | | * | | | † | | | | Grenada.... | |
| | | | | | | | | † | | | | Yucatan..... | |
| | | | | | † | | | | | | | Yucatan..... | |
| | | * | † | | * | * | | | | | | Yucatan..... | Miocene. |

TABLE V. E—*List of Gastropoda*—Continued.

| Scr. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|---------------------------------------|---|-----|-------|--------------|-----------------|-------------------------|
| 303 | <i>Marginella amabilis</i> Redfield | | | | $\frac{7}{12}$ | Florida Keys. |
| 304 | <i>M.</i> ——— | | | | | Hatteras |
| 305 | <i>M. bella</i> Conrad | | | | | Hatteras |
| 306 | <i>M. margarita</i> Kiener | | | | 294 | Georgia |
| 307 | <i>M.</i> ——— | | | | 294 | Fernandina |
| 308 | <i>M.</i> ——— | | | | 294 | Fernandina |
| 309 | <i>M. fauna</i> Sowerby | | | | | Florida Keys |
| 310 | <i>M. microgonia</i> Dall | | | | 294 | Fernandina |
| 311 | <i>M. denticulata</i> Conrad | | | | $\frac{5}{4}$ | Hatteras |
| 312 | var. <i>opalina</i> Stearns | | | | $\frac{0}{2}$ | Tampa |
| 313 | <i>M. aureocincta</i> Stearns | | | | $\frac{3}{4}$ | Chesapeake |
| 314 | <i>M. seminula</i> Dall | 19 | 2 | 7.0 | $\frac{2}{4}$ | Fernandina |
| 315 | <i>M.</i> ——— | | | | $\frac{2}{4}$ | Tampa |
| 316 | <i>M. minuta</i> Pfeiffer | | | | $\frac{5}{4}$ | Fernandina |
| 317 | <i>M. minima</i> Guilding | | | | $\frac{0}{2}$ | C. Lookout |
| 318 | <i>M. Redfieldii</i> Tryon | | | | 229 | Florida Str |
| 319 | <i>M. fusca</i> Sowerby | | | | $\frac{3}{3}$ | C. Lookout |
| 320 | <i>M. succinea</i> Conrad | 19 | 6 | 12.0 | $\frac{7}{10}$ | Fernandina |
| 321 | <i>M. styria</i> Dall | | | | $\frac{5}{2}$ | Georgia |
| 322 | <i>M. torticula</i> Dall | | | | $\frac{1}{2}$ | Fernandina |
| Section VOLVARINA Hinds. | | | | | | |
| 323 | <i>M. avena</i> Valenciennes | | | | $\frac{1}{8}$ | Key West |
| 324 | <i>M. albolineata</i> Orbigny | | | | $\frac{8}{10}$ | Key West |
| 325 | <i>M. subtriplicata</i> Orbigny | | | | 11 | Key West |
| 326 | <i>M. lactea</i> Kiener | | | | $\frac{0}{1}$ | Tortugas |
| 327 | <i>M. pallida</i> Donovan | | | | $\frac{1}{1}$ | Tortugas |
| Subgenus <i>Persicula</i> Schumacher. | | | | | | |
| 328 | <i>P. catenata</i> Montagu | | | | $\frac{2}{9}$ | Turtle Harb. |
| 329 | var. <i>pulcherrima</i> Gaskoin | | | | $\frac{0}{2}$ | Florida Keys |
| 330 | <i>P.</i> ——— | | | | 294 | Fernandina |
| Subgenus <i>Volutella</i> Swainson. | | | | | | |
| 331 | <i>V. lacrimula</i> Gould | | | | $\frac{0}{10}$ | Hatteras |
| 332 | <i>V. hadria</i> Dall | | | | | Cedar Keys |
| 333 | <i>V. amianta</i> Dall | | | | $\frac{1}{2}$ | C. Lookout |
| 334 | <i>V. ovuliformis</i> Orbigny | | | | | Cape Fear |
| Family VOLUTIDÆ. | | | | | | |
| Genus <i>VOLUTA</i> Linné. | | | | | | |
| 335 | <i>V. virescens</i> Solander | | | | | Texas |

TABLE V. E.—List of *Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|-----------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | | | | † | | | † | | | | Sombrero.... | Miocene. |
| | | * | | | | | | | | | | Cape Fear... | |
| | | * | | | | | | | | | | Cape Fear... | Miocene. |
| | | | † | † | | | | * | | | | Haiti | |
| | | | † | | | | | | | | | | |
| | | | | | * | | | * | | | | Curaçoa. | |
| | | | † | † | | | | ‡ | | | | Cuba | |
| | | † | † | | * | * | | †* | | | | Barbados.... | Miocene. |
| | | | | | * | * | | | | | | Key West ... | Pliocene. |
| | * | * | | * | * | * | | | | | | Gulf of Mex. | Pliocene. |
| | | | ? | | | | † | † | | | | Yucatan | |
| | | | | | | * | | | | | | Gulf of Mex. | |
| | | | † | | * | * | | †* | | * | * | Barbados.... | Miocene. |
| | | * | | | * | * | | * | | | | Haiti | |
| | | | | † | †* | | | * | | | | Cuba | |
| | | † | † | | * | | | * | * | | | St. Thomas.. | |
| | | | † | | †* | *† | | † | | | | Sombrero.... | |
| | | | † | | † | | | † | | | | Sombrero.... | Pliocene. |
| | | | † | | † | | | | | | | N. lat. 24° .. | |
| | | | | | * | | *† | †* | * | | | Aspinwall... | Pliocene. |
| | | | | | * | | | † | * | | | Barbados.... | |
| | | | | | *† | | | * | | | | Tortola | |
| | | | | | * | | | * | | | | Tortola | |
| | | | | | *† | | | * | * | | | Tortola | Pliocene. |
| | | | | | * | | | *† | | | | Brazil | |
| | | | | | * | | | * | | | | St. Thomas.. | |
| | | | † | | | | | | | | | | |
| | | *† | † | †* | *† | * | | | | | | Florida Str.. | |
| | | | | | | * | | | | | | Charlotte H. | |
| | | †* | * | | | | | | | | | Fernandina .. | Pliocene. |
| | | * | | | * | * | | * | | | | Guadalupe .. | Pliocene. |
| | | | | | | | * | * | | | | Carthagena .. | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|--|--|-----|-------|--------------|-------------------|-------------------------|
| Genus SCAPHELLA Swainson. | | | | | | |
| 336 | <i>S. Junonia</i> Hwass..... | 34 | 5a-c | 95.0 | $\frac{10}{30}$ | C. Lookout.. |
| Subgenus <i>Aurinia</i> H. & A. Adams. | | | | | | |
| 337 | <i>A. dubia</i> Broderip | | | | $\frac{34}{168}$ | Hatteras |
| 338 | <i>A. Gouldiana</i> Dall | 29 | 3 | 69.0 | $\frac{50}{509}$ | Cape Fear... |
| 339 | <i>A. robusta</i> Dall..... | 35 | 2 | 119.0 | $\frac{119}{280}$ | Tampa |
| Family TURBINELLIDÆ. | | | | | | |
| Genus TURBINELLA Lamarck. | | | | | | |
| Subgenus <i>Cynodonta</i> Schumacher. | | | | | | |
| 340 | <i>C. muricata</i> Born..... | | | | $\frac{0}{0}$ | Florida Keys |
| 341 | <i>C. capitellum</i> Linné | | | | | Florida Keys? |
| Family MITRIDÆ. | | | | | | |
| Genus MITRA Lamarck. | | | | | | |
| 342 | <i>M. barbadensis</i> Gmelin..... | | | | | Key West.... |
| 343 | <i>M. nodulosa</i> Gmelin..... | | | | | Fort Macon.. |
| 344 | <i>M. Dupontii</i> Kiener..... | | | | | Florida Keys |
| 345 | <i>M. sulcata</i> Gmelin..... | | | | | Jupiter Inlet |
| 346 | <i>M. puella</i> Reeve | | | | | C. Lookout.. |
| 347 | <i>M. albocincta</i> C. B. Adams | | | | | Key West ... |
| 348 | <i>M. Hanleyi</i> Dohrn | | | | | Florida Keys |
| 349 | var. <i>gemmata</i> Sowerby | | | | | Charlotte H. |
| 350 | <i>M. floridana</i> Dall | 48 | 5 | 6.0 | | Marco |
| 351 | <i>M. Swainsoni</i> Brod. var. <i>antillensis</i> Dall. | 38 | 7 | 80.0 | $\frac{7}{421}$ | C. Lookout.. |
| 352 | <i>M. straminea</i> A. Adams | | | | 84 | Gulf of Mex. |
| 353 | <i>M. fulgurita</i> Reeve | | | | $\frac{73}{70}$ | Cape Florida |
| 354 | <i>M. styria</i> Dall | 15 | 6 | 19.0 | $\frac{73}{333}$ | Cape Florida |
| 355 | <i>M. wandoensis</i> Holmes..... | | | | $\frac{1}{1}$ | Hatteras |
| 356 | <i>M. Bairdii</i> Dall | 42 | 7 | 35.0 | 528 | Lat. 32° 24'.. |
| 357 | <i>M. torticula</i> Dall | 15 | 8 | 12.2 | 400 | Florida Str.. |
| Subgenus <i>Conomitra</i> Conrad. | | | | | | |
| 358 | <i>C. Blakeana</i> Dall..... | | | | 640? | Gulf of Mex. |
| 359 | var. <i>laevior</i> Dall | 35 | 10 | 9.75 | $\frac{80}{300}$ | Gulf of Mex. |
| Genus MITROMORPHA Adams. | | | | | | |
| 360 | <i>M. biplicata</i> Dall..... | 35 | 1 | 7.0 | $\frac{100}{294}$ | Fernandina . |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | * | | | * | * | | | | | | Florida Str. | P. Pliocene. |
| | | † | | | * | * | | | | | | Cape Florida | |
| | | † | † | † | † | | | | | | | Key West | |
| | | | | | | † | | † | | | | Cuba | |
| | | | | | * | | | * | | | | Guadalupe | |
| | | | | | ? | | | * | | | | Curacoa | |
| | | | | | * | | | | | | | Barbados | |
| | | * | | | | | | * | | | | Darien | |
| | | | | | * | | | ? | | | | ? | |
| | | | | * | * | | | * | | | | St. Thomas | |
| | | † | | | * | | | * | | | | Guadalupe | |
| | | | | | * | | | * | | | | St. Thomas | |
| | | | | | * | | | * | | | | Haiti | |
| | | | | | * | * | | * | | | | Jamaica | |
| | | | | | * | | | | | | | Key West | |
| | | † | | | | | | † | | | * | Grenada | Pliocene. ? |
| | | | | | | † | | | | | | ? | |
| | | | | | † | | | | | | | Barbados | |
| | | | | | † | † | | † | | | | Barbados | Miocene. |
| | | †* | | | † | * | | † | | | | Florida Str. | Pliocene. |
| | | † | | | | | | | | | | ? | |
| | | | | | † | | | † | | | | Cuba | |
| | | | | | | | † | † | | | | Yucatan | Miocene. |
| | | | | | † | | | † | | | | Yucatan | |
| | | | † | | | | | † | | | | Barbados | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme-range |
|-----------------------------------|--|-------|-------|--------------|-------------------|------------------------|
| Family FASCIOLARIIDÆ. | | | | | | |
| Genus FASCIOLARIA Lamarck. | | | | | | |
| 361 | <i>F. gigantea</i> Kiener ..... | ..... | ..... | ..... | $\frac{0}{10}$ | Hatteras |
| 362 | <i>F. tulipa</i> Linné..... | ..... | ..... | ..... | $\frac{0}{10}$ | Hatteras |
| 363 | <i>F. distans</i> Lamarck..... | ..... | ..... | ..... | $\frac{0}{64}$ | Hatteras |
| Subgenus <i>Mesorhytis</i> Meck. | | | | | | |
| 364 | <i>M. Meekiana</i> Dall | 36 | 7 | 15.5 | $\frac{220}{400}$ | Gulf of Mex. |
| Genus FULGUR Montfort. | | | | | | |
| 365 | <i>F. pyrum</i> Dillwyn..... | ..... | ..... | 80.0 | $\frac{0}{50}$ | Hatteras |
| 366 | <i>F. canaliculata</i> Say..... | 73 | 1 | 250.0 | ..... | Cape Cod.... |
| 367 | <i>F. perversa</i> Linné ..... | ..... | ..... | 375.0 | $\frac{0}{3}$ | Hatteras |
| 368 | var. <i>coarctata</i> Sowerby ..... | ..... | ..... | 112.0 | ..... | Florida |
| 369 | <i>F. carica</i> Linné..... | 74 | 1 | 200.0 | $\frac{0}{10}$ | Cape Cod.... |
| 370 | <i>F. eliceans</i> Montfort ..... | ..... | ..... | 100.0 | $\frac{0}{8}$ | S. Carolina.. |
| Genus MELONGENA. | | | | | | |
| 371 | <i>M. corona</i> Gmelin ..... | ..... | ..... | 75.0 | $\frac{0}{8}$ | Gulf of Mex. |
| 372 | <i>M. melongena</i> Linné..... | ..... | ..... | 100.0 | $\frac{0}{50}$ | Florida Keys. |
| Genus LATIRUS Montfort. | | | | | | |
| Subgenus <i>Leucozonia</i> Gray. | | | | | | |
| 373 | <i>L. cingulifera</i> Lamarck..... | ..... | ..... | ..... | ..... | Sarasota |
| 374 | <i>L. ocellata</i> Gmelin..... | ..... | ..... | ..... | ..... | Cedar Keys.. |
| Subgenus <i>Latirus</i> s. s. | | | | | | |
| 375 | <i>L. brevicaudatus</i> Lamarck ..... | ..... | ..... | ..... | ..... | Florida Str.. |
| 376 | <i>L. cayohuesonicus</i> Sowerby ..... | ..... | ..... | ..... | ..... | Key West ... |
| 377 | <i>L. infundibulum</i> Gmelin..... | ..... | ..... | ..... | ..... | Tortugas |
| Subfamily <i>Fusinae</i> . | | | | | | |
| Genus FUSUS Lamarck. | | | | | | |
| 378 | <i>F. timesus</i> Dall..... | ..... | ..... | 88.0 | $\frac{27}{254}$ | Cedar Keys.. |
| 379 | <i>F. eucosmius</i> Dall | 35 | 5 | 85.0 | $\frac{27}{111}$ | Cedar Keys.. |
| 380 | <i>F. Couei</i> Petit ..... | ..... | ..... | ..... | $\frac{29}{7}$ | Charlotte H.. |
| 381 | <i>F. halistreptus</i> Dall..... | 35 | 7 | 80.0 | 338 | Florida Str.. |
| 382 | <i>F. Schrammii</i> Crosse..... | ..... | ..... | ..... | 407 | Cape Fear... |
| 383 | <i>F. benthalis</i> Dall..... | 15 | 10 | 15.0 | $\frac{15}{1002}$ | Florida Keys. |
| 384 | <i>F. ———</i> ..... | ..... | ..... | ..... | ..... | Florida Str.. |
| 385 | <i>F. amiantus</i> Dall | 15 | 11 | 17.0 | 805 | Gulf of Mex. |
| 386 | <i>F. æpynotus</i> Dall ..... | ..... | ..... | 24.0 | $\frac{10}{34}$ | Gulf of Mex. |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | | | | | | | | | | | Florida Keys | |
| | | * | * | * | * | * | * | * | | | | Carthagenæ . | |
| | | * | * | * | * | * | * | | ? | | | Yucatan . . . | |
| | | | | | † | † | | † | | | | Cuba | |
| | | *† | * | * | * | * | * | | | | | Gulf of Mex. | P. Pliocene. |
| * | * | * | * | * | | * | * | | | | | Gulf of Mex. | |
| | | * | * | * | * | * | * | * | | | | Cuba | P. Pliocene. |
| | | | | | | **? | | | | | | Gulf of Mex. | |
| * | * | * | * | * | * | * | * | * | | | | St. Thomas.. | Miocene. |
| | | * | * | | * | * | | * | | | | Campeche . . . | |
| | | | | | * | * | * | * | | | | Guadalupe .. | |
| | | | | | * | | * | * | | | ? | N. Grenada.. | |
| | | | | * | * | * | * | * | | | | Brazil. | |
| | | | | * | * | | * | * | | | | Guadalupe .. | |
| | | | | * | | | | * | | | | Brazil | |
| | | | | * | | | | * | | | | Swan Islands | |
| | | | | * | | | | * | | | ? | Santa Lucia . | |
| | | | | † | *† | | | † | | | | S. of Cuba . . . | Pliocene? |
| | | | | †* | *† | | | † | | | | Barbados . . . | |
| | | | | * | * | | | | | | | C. Romano . . . | |
| | | | † | | | | | † | | | | Bahamas | |
| | | † | | | | | | † | | | | Guadalupe . . . | |
| | | | | *† | | | | *† | | | | Sombrero . . . | |
| | | | | † | | | | | | | | Cuba | |
| | | | | † | | | | | | | | Cuba | |
| | | | | † | | | | † | | | | Sombrero . . . | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|----------|------------------------------------|----------|--------|--------------|--------------------|-------------------------------|
| 387 | <i>Fusus alcimus</i> Dall | | | 15.0 | 95 | Gulf of Mex. |
| 388 | var. <i>Rushii</i> Dall..... | | | 8.5 | 200 | Florida Str.. |
| 389 | <i>F. amphurgus</i> Dall | | | 14.0 | 101 | Gulf of Mex. |
| | Family BUCCINIDÆ. | | | | | |
| | Genus BUCCINUM Linné. | | | | | |
| 390 | <i>B. undatum</i> Linné..... | 72 | 12 | 50.0 | $\frac{0}{0}$ | Arctic Sea... |
| 391 | <i>B. abyssorum</i> Verrill..... | 61 | 80 | 43.0 | $\frac{49}{1309}$ | N. lat. 42°... |
| | Genus CHRYSODOMUS Swainson. | | | | | |
| | Subgenus <i>Sipho</i> Mörch. | | | | | |
| 392 | <i>S. islandicus</i> Linné..... | | | | $\frac{20}{1650}$ | Arctic Sea... |
| 393 | <i>S. Stimpsoni</i> Mörch | 72 | 11 | 75.0 | $\frac{16}{319}$ | Arctic Sea... |
| 394 | <i>S. pubescens</i> Verrill..... | | | 60.0 | $\frac{18}{640}$ | Nova Scotia. |
| 395 | <i>S. ———</i> | | | | 528 | Hatteras |
| 396 | <i>S. pygmæus</i> Gould | 48 50 | 9 4 | | $\frac{10}{640}$ | Nova Scotia. |
| 397 | var. <i>planulus</i> Verrill | | | | | |
| 398 | <i>S. Sarsii</i> Jeffreys..... | 61 | 81 | 40.0 | $\frac{273}{3033}$ | Rhode Island |
| 399 | <i>S. obesus</i> Verrill | | | 25.0 | $\frac{234}{233}$ | Hatteras |
| 400 | <i>S. glyptus</i> Verrill | 61 | 82 | 30.0 | $\frac{193}{936}$ | Rhode Island |
| 401 | <i>S. cælatus</i> Verrill | | | 30.0 | $\frac{75}{31}$ | Rhode Island |
| 402 | <i>S. Bocagei</i> Fischer..... | | | 21.0 | 1121 | Spain |
| 403 | <i>S. Rushii</i> Dall | | | 11.0 | $\frac{124}{294}$ | Fernandina.. |
| | Section MOHNIA Friele. | | | | | |
| 404 | <i>S. simplex</i> Verrill | | | 14.0 | $\frac{99}{843}$ | Gulf of Maine |
| 405 | <i>S. hispidulus</i> Verrill | | | 7.5 | 2033 | Gulf of Maine |
| | Section PTYCHOSALPINX Gill. | | | | | |
| 406 | <i>S. globulus</i> Dall | 35 | 12 | 31.0 | $\frac{338}{966}$ | Florida Str.. |
| | Genus JUMALA Friele. | | | | | |
| 407 | <i>J. brychia</i> Verrill..... | 46 | 10, a | 41.0 | $\frac{294}{2574}$ | N. lat. 36 $\frac{1}{4}$ ° .. |
| | Genus LIOMESUS Stimpson. | | | | | |
| 408 | <i>L. Stimpsoni</i> Dall..... | 35 | 11 | 32.5 | $\frac{159}{247}$ | S. Carolina.. |
| | Genus PISANIA Bivona. | | | | | |
| 409 | <i>P. variegata</i> Gray..... | | | | | Florida Keys. |
| 410 | <i>P. pusio</i> Linné | | | | | Key West ... |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| --- | --- | --- | --- | --- | --- | --- | † | --- | --- | --- | --- | Yucatan.... | |
| --- | --- | --- | --- | † | † | --- | --- | --- | --- | --- | --- | Bahamas.... | |
| --- | --- | --- | --- | --- | † | --- | --- | --- | --- | --- | --- | Florida Keys | |
| * | .. | *? | --- | --- | --- | --- | --- | --- | --- | * | --- | Charleston H | Pliocene. |
| * | .. | † | --- | --- | --- | --- | --- | --- | --- | --- | --- | Hatteras.... | |
| † | † | † | --- | --- | --- | --- | --- | --- | --- | *† | --- | S. Carolina.. | |
| † | † | † | --- | --- | --- | --- | --- | --- | --- | --- | --- | Hatteras.... | P. Pliocene. |
| † | † | † | --- | --- | --- | --- | --- | --- | --- | --- | --- | S. Carolina.. | |
| --- | --- | † | --- | --- | --- | --- | --- | --- | --- | --- | --- | Savannah... | |
| † | † | † | --- | --- | --- | --- | --- | --- | --- | --- | --- | Cape Fear... | |
| --- | --- | † | --- | --- | --- | --- | --- | --- | --- | --- | --- | Cape Fear... | |
| † | † | † | † | --- | --- | --- | --- | --- | --- | † | --- | Fernandina.. | |
| --- | --- | † | † | --- | --- | --- | --- | --- | --- | --- | --- | Fernandina.. | |
| ? | --- | --- | --- | --- | --- | --- | --- | † | --- | --- | --- | Jamaica.... | |
| † | --- | † | --- | --- | --- | --- | --- | --- | --- | --- | --- | Cape Fear... | |
| † | --- | --- | --- | --- | --- | --- | --- | ? | --- | † | --- | Africa..... | |
| --- | --- | --- | † | † | † | --- | --- | † | --- | --- | --- | Florida Str.. | |
| --- | --- | † | --- | --- | --- | --- | --- | --- | --- | --- | --- | Hatteras.... | |
| ?† | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| --- | --- | --- | --- | † | † | --- | --- | † | --- | --- | --- | Jamaica.... | |
| --- | † | --- | † | --- | --- | --- | --- | †? | --- | --- | --- | St. Kitts?... | |
| --- | --- | † | --- | --- | --- | --- | --- | --- | --- | --- | --- | S. Carolina.. | Pliocene. |
| --- | --- | --- | --- | --- | * | --- | --- | * | * | --- | --- | Trinidad.... | |
| --- | --- | --- | --- | --- | * | --- | --- | * | --- | --- | --- | Darien..... | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|--------------------------------------|--------------------------------------|----------|---------|--------------|-----------------|-------------------------|
| Subgenus Tritonidea Swainson. | | | | | | |
| 411 | <i>T. tineta</i> Conrad..... | ----- | ----- | ----- | ----- | Hatteras |
| 412 | <i>T. cancellaria</i> Conrad..... | ----- | ----- | ----- | ----- | Jupiter Inlet |
| 413 | <i>T. Orbigny</i> Payraudeau | ----- | ----- | ----- | $\frac{22}{25}$ | Gulf of Mex. |
| 414 | <i>T. limbata</i> Philippi | ----- | ----- | ----- | 24 | Gulf of Mex. |
| Genus PHOS Montfort. | | | | | | |
| 415 | <i>P. Cande</i> i Orbigny | ----- | ----- | ----- | $\frac{25}{30}$ | Hatteras |
| 416 | <i>P. parvus</i> C. B. Adams..... | 48 | 6 | 13.2 | $\frac{1}{5}$ | Charlotte H. |
| Genus ENGINA Gray. | | | | | | |
| 417 | <i>E. turbinella</i> Kiener | ----- | ----- | ----- | ----- | Key West ... |
| Genus NASSARIA Link. | | | | | | |
| Subgenus Nassarina Dall. | | | | | | |
| 418 | <i>N. Bushii</i> Dall..... | 15 | 12 | 9.0 | $\frac{15}{24}$ | Sand Key ... |
| 419 | <i>N. glypta</i> Bush..... | 41 | 5, a | 5.5 | $\frac{1}{3}$ | Hatteras |
| 420 | <i>N. columbellata</i> Dall | ----- | ----- | 12.2 | 124 | Gulf of Mex. |
| 421 | <i>N. Grayi</i> Dall | 32 | 12a | 12.0 | $\frac{13}{30}$ | Gulf of Mex. |
| Family NASSIDÆ. | | | | | | |
| Genus NASSA Lamarck. | | | | | | |
| 422 | <i>N. trivittata</i> Say | 48 50 | 13 7 | ----- | $\frac{0}{0}$ | Nova Scotia .. |
| 423 | <i>N. obsoleta</i> Say | 50 | 9 | ----- | ----- | Nova Scotia .. |
| 424 | <i>N. vibex</i> Say | 50 | 8 | ----- | $\frac{0}{3}$ | Cape Cod .. |
| 425 | <i>N. acuta</i> Say | ----- | ----- | ----- | ----- | N. Carolina .. |
| 426 | <i>N. ambigua</i> Montagu | ----- | ----- | ----- | $\frac{0}{1}$ | C. Lookout .. |
| 427 | <i>N. consensa</i> Ravenel | ----- | ----- | ----- | $\frac{5}{0}$ | Hatteras |
| 428 | <i>N. Hotessieri</i> Orbigny | ----- | ----- | ----- | $\frac{3}{0}$ | Hatteras |
| 429 | <i>N. scissurata</i> Dall | ----- | ----- | ----- | $\frac{5}{14}$ | Florida Str .. |
| Family COLUMBELLIDÆ. | | | | | | |
| Genus COLUMBELLA Lamarck. | | | | | | |
| 430 | <i>C. mercatoria</i> Lamarck..... | ----- | ----- | ----- | $\frac{0}{0}$ | C. Lookout .. |
| 431 | <i>C. rusticoides</i> Heilprin | ----- | ----- | ----- | ----- | Cedar Keys.. |
| Subgenus Anachis Adams. | | | | | | |
| 432 | <i>A. avara</i> Say | 50 | 12 | ----- | ----- | Mass. Bay ... |
| 433 | var. <i>semiplicata</i> Stearns..... | ----- | ----- | ----- | ----- | Cedar Keys.. |
| 434 | var. <i>translirata</i> Ravenel..... | ----- | ----- | ----- | ----- | New York ... |
| 435 | var. <i>similis</i> Ravenel..... | ----- | ----- | ----- | ----- | C. Lookout .. |
| 436 | <i>A. haliaeti</i> Jeffreys..... | ----- | ----- | ----- | $\frac{30}{40}$ | N. Atlantic .. |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | * | | * | * | * | * | * | | | | Vera Cruz... | |
| | | | | * | | * | * | * | | | | Darien | |
| | | | | | | | * | * | | * | | Yucatan | |
| | | | | | * | | | * | | | | Cuba | |
| | | † | | * | | † | | † | | | | Darien | |
| | | | | * | | | * | * | | | | Barbados | Pliocene. |
| | | | | | * | | | * | | | | Jamaica | |
| | | | | | † | | | † | | | | Barbados | |
| | | *† | | | * | | | | | | | Florida Keys | Pliocene. |
| | | | | | | | † | † | | | | Yucatan | |
| | | | | | | | † | † | | | | Barbados | |
| * | * | *† | * | | | | | | | | | St. Augustine | Miocene. |
| * | | * | * | * | | * | | | | | | Tampa | |
| * | * | * | * | * | * | * | | * | | | | Aspinwall | Pliocene. |
| | | * | * | * | | * | * | * | | | | Barbados | Pliocene. |
| | | ? | | | * | * | | * | * | | | Barbados | Pliocene. |
| | | †* | | | * | * | | | | | | Florida Keys | Pliocene. |
| | | † | | | † | * | | †* | * | | | Barbados | |
| | | | | † | † | | | † | | | | Barbados | |
| | | * | * | * | * | * | | * | | | | Barbados | Pliocene. |
| | | | | | * | * | | * | | | | Cuba | |
| | | | | | | | | | | | | | Miocene. |
| * | | * | * | | | | | | | | | Florida Keys | |
| | | | | | | * | | | | | | Charlotte H. | |
| | | | * | * | * | | * | | | | | Yucatan | |
| | | * | | | | * | | | | | | Yucatan | |
| *† | | * | | | | | | | | | | Hatteras | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|----------|--|-----|-------|--------------|----------------------------|-------------------------|
| 437 | <i>Anachis albella</i> C. B. Adams | | ----- | ----- | ----- | Cape Fear... |
| 438 | <i>A. samanensis</i> Dall | | ----- | ----- | ----- | Turtle Harb. |
| 439 | <i>A. pulchella</i> Kiener | | ----- | ----- | ----- | Key West ... |
| 440 | <i>A. obesa</i> C. B. Adams | | ----- | ----- | ----- | Hatteras |
| 441 | <i>A. Hotessieriana</i> Orbigny | | ----- | ----- | ----- | Tampa |
| 442 | <i>A. amphissella</i> Dall | 19 | 10c | 4.0 | $\frac{294}{413}$ | Fernandina . |
| 443 | var. <i>Rushii</i> Dall | | ----- | ----- | $\frac{294}{465}$ | Fernandina |
| | Subgenus <i>Nitidella</i> Swainson. | | | | | |
| 444 | <i>N. nitidula</i> Sowerby | | ----- | ----- | ----- | Jupiter Inlet. |
| 445 | <i>N. cribraria</i> Lamarek | | ----- | ----- | ----- | Key West ... |
| 446 | <i>N. lævigata</i> Linné | | ----- | ----- | ----- | Florida Keys |
| 447 | <i>N. parvula</i> Dunker | | ----- | ----- | ----- | Gulf of Mex . |
| 448 | <i>N. moleculina</i> Duclos | | ----- | ----- | ----- | Florida Keys |
| 449 | var. <i>dicomata</i> Dall | | ----- | ----- | ----- | Key West ... |
| | Subgenus <i>Astyris</i> Adams. | | | | | |
| 450 | <i>A. lunata</i> Say | 50 | 17 | ----- | $\frac{0}{12}$ | Cape Ann ... |
| 451 | var. <i>Duclosiana</i> Orbigny | | ----- | ----- | $\frac{0}{63}$ | Hatteras |
| 452 | <i>A. pura</i> Verrill | 50 | 13? | ----- | $\frac{1\frac{1}{2}}{265}$ | Rhode Island |
| 453 | <i>A. Raveneli</i> Dall | | ----- | ----- | $\frac{1\frac{1}{2}}{203}$ | Hatteras |
| 454 | <i>A. multilineata</i> Dall | | ----- | ----- | $\frac{0}{202}$ | C. Lookout .. |
| 455 | <i>A. diaphana</i> Verrill | 35 | 9 | 9.0 | $\frac{0}{487}$ | Rhode Island |
| 456 | <i>A. rosacea</i> Gould | 69 | 1 | ----- | $\frac{5}{60}$ | Arctic Seas.. |
| 457 | <i>A. fusiformis</i> Orbigny | | ----- | ----- | ----- | Turtle Harb. |
| 458 | <i>A. Verrillii</i> Dall | 19 | 8 | 9.0 | $\frac{310}{803}$ | Fernandina . |
| 459 | <i>A. profundi</i> Dall | | ----- | ----- | $\frac{34}{805}$ | Hatteras |
| | Subgenus <i>Æsopus</i> Gould. | | | | | |
| 460 | <i>Æsopus Stearnsii</i> Tryon | 29 | 5 | 4.0 | ----- | Cape Fear... |
| | Subgenus <i>Conidea</i> Swainson. | | | | | |
| 461 | <i>C. ovulata</i> Lamarek | | ----- | ----- | ----- | Florida Str.. |
| | Family MURICIDÆ. | | | | | |
| | Subfamily <i>Muricinae</i> . | | | | | |
| | Genus MUREX Linné. | | | | | |
| 462 | <i>M. Beaui</i> Fisch. & Bernardi | | ----- | ----- | $\frac{82}{183}$ | Cedar Keys.. |
| 463 | <i>M. Cabritii</i> Bernardi | | ----- | ----- | $\frac{25}{164}$ | Hatteras |
| 464 | <i>M. messorius</i> Reeve | | ----- | ----- | $\frac{2}{30}$ | Cedar Keys.. |
| | Subgenus <i>Chicoreus</i> Montfort. | | | | | |
| 465 | <i>C. rufus</i> Lamarek | | ----- | ----- | $\frac{5}{30}$ | Cape Fear... |
| 466 | <i>C. brevifrons</i> Lamarek | | ----- | ----- | ----- | S. Carolina .. |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber- mu- da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|--------------------|------|----------|-------------------------|----------------|
| | | * | | | * | * | | * | | | | Jamaica | Pliocene. |
| | | | | | * | | | * | | | | St. Thomas.. | |
| | | | | | * | | | * | | | | Barbados.... | |
| | | * | * | | * | * | * | * | | | | St. Thomas.. | |
| | | | ? | | * | | | * | | | | Guadalupe .. | |
| | | † | | | | | | * | | | | Yucatan | |
| | | † | † | | | | | | | | | Florida Str.. | |
| | | | | * | * | | | * | * | | | Barbados.... | |
| | | | | | * | | | * | * | | | Barbados.... | |
| | | | | | * | | | * | * | | | Aspinwall... | |
| | | | | | | | * | * | | | | Barbados.... | |
| | | | | | * | | | | | | | Key West ... | |
| | | | | | * | | | | | | | Florida Str.. | |
| * | * | * | | * | * | * | | | | | | Turtle Harb. | Pliocene. |
| | | † | * | * | * | * | | * | | | | Barbados.... | |
| † | | * | | | | | | | | | | Hatteras ... | |
| | | † | | † | | | | | | | | Fowey Rocks | |
| | | *† | | | † | | | | | | | Cape Florida | |
| † | | | | | | † | | | | | | Gulf of Mex . | |
| ?† | | | | | | | | | | * | * | New York... | |
| | | | | | * | | | * | | | | Barbados.... | |
| | | | | † | † | | | † | | | | Pernambuco.. | |
| | | † | | | † | | | * | | | | Aspinwall... | |
| | | * | | | | * | | | | | | Tampa Bay.. | |
| | | | | ? | | | | * | | | | Barbados.... | |
| | | | | | † | † | | † | | | | Guadalupe .. | |
| | | †* | | | | † | | † | | | | Barbados.... | |
| | | | | * | * | * | * | * | | | | Aspinwall... | |
| | | * | | * | * | * | | * | | | | Carthageana . | Pliocene. |
| | | * | | * | * | * | | * | | | | Carthageana . | Pliocene. |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|---------------------------------------|--|-----|-------|--------------|--------------------|-------------------------|
| Subgenus <i>Phyllonotus</i> Swainson. | | | | | | |
| 467 | <i>P. pomum</i> Gmelin | 16 | 2 | 15.0 | ..... | Beaufort, N.C. |
| 468 | <i>P. fulvescens</i> Sowerby ..... |  |  |  | ..... | Hatteras |
| 469 | <i>P. Pazi</i> Crosse | 15 | 1 | 32.0 | $\frac{220}{333}$ | Florida Str.. |
| 470 | <i>P. hystericinus</i> Dall | 16 | 4 | 21.0 | $\frac{142}{254}$ | Cuba |
| Subgenus <i>Pteronotus</i> Swainson. | | | | | | |
| 471 | <i>P. macropterus</i> Deshayes | | | | 63 | Hatteras |
| 472 | <i>P. phaneus</i> Dall | 42 | 1 | 17.0 | $\frac{294}{434}$ | Fernandina.. |
| 473 | <i>P. tristichus</i> Dall | 15 | 3 | 15.5 | $\frac{152}{450}$ | Florida Str.. |
| Genus <i>EUPLEURA</i> Adams. | | | | | | |
| 474 | <i>E. caudata</i> Say | 50 | 11 | ..... | $\frac{1}{3}$ | Cape Cod.... |
| 475 | <i>E. Stimpsoni</i> Dall | 42 | 3 | 12.0 | $\frac{100}{294}$ | Fernandina.. |
| Genus <i>TROPHON</i> Montfort. | | | | | | |
| Subgenus <i>Boretrophon</i> Fischer. | | | | | | |
| 476 | <i>B. vaginatus</i> C. & J | | | | 843 | N. Atlantic.. |
| 477 | <i>B. abyssorum</i> Verrill | | | 8.0 | $\frac{843}{2033}$ | Rhode Island |
| 478 | <i>B. lacunellus</i> Dall | 15 | 4 | 41.0 | $\frac{227}{769}$ | Cape Fear... |
| 479 | <i>B. actinophorus</i> Dall | 15 | 2 | 17.5 | $\frac{140}{218}$ | Santa Cruz .. |
| Subgenus <i>Aspella</i> Mörch. | | | | | | |
| 480 | <i>A. hastula</i> Reeve | | | | 14 | Cape Fear... |
| 481 | <i>A. scalarioides</i> Blainville ..... |  |  |  | ..... | Mediterran'n |
| 482 | var. <i>paupercula</i> C. B. Adams ..... |  |  |  | ..... | West Florida |
| 483 | var. <i>obeliscus</i> A. Adams ..... |  |  |  | ..... | Vera Cruz... |
| 484 | var. <i>lamellosa</i> Dunker ..... |  |  |  | ..... | Florida Keys |
| Genus <i>OCINEBRA</i> Leach. | | | | | | |
| 485 | <i>O. cellulosa</i> Conrad | 16 | 1 | 12.0 | $\frac{0}{14}$ | C. Lookout.. |
| 486 | var. <i>levicula</i> Dall | | | | $\frac{3}{7}$ | C. Lookout.. |
| 487 | <i>O. intermedia</i> C. B. Adams ..... |  |  |  | ..... | Key West ... |
| Genus <i>MURICIDEA</i> Swainson. | | | | | | |
| 488 | <i>M. hexagona</i> Lamarck | | | | 25 | Gulf of Mex. |
| 489 | <i>M. multangula</i> Philippi | | | | $\frac{0}{95}$ | Cape Fear... |
| 490 | <i>M. floridana</i> Conrad | | | | $\frac{0}{13}$ | St. Augustine |
| 491 | <i>M. Philippiana</i> Dall | | | | $\frac{0}{25}$ | Key West ... |
| Genus <i>UROSALPINX</i> Stimpson. | | | | | | |
| 492 | <i>U. cinereus</i> Say | 50 | 6 | 28.0 | $\frac{0}{10}$ | Nova Scotia .. |
| 493 | <i>U. perrugatus</i> Conrad ..... |  |  |  | ..... | Cedar Keys .. |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Ilat. | Ga. | East Fla. | Fla. Keys | West. Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|-------|-----|-----------|-----------|------------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | * | * | * | * | * | * | * | | | | Venezuela... | Pliocene. |
| | | * | | | | * | * | | | | | Texas | P. Pliocene. |
| | | | | † | † | | | † | | | | Guadalupe .. | |
| | | | | | | | | † | | | | Martinique .. | |
| | | † | | | | | | | | | | | |
| | | | † | | | | | | | | | St. Augustine | |
| | | | | | † | | | † | | | | Cuba | |
| * | * | * | * | * | * | * | | | * | | ? | Charlotte H. | Pliocene. |
| | | | † | | | | | † | | | | Barbados.... | |
| | | † | | | | | | † | | *† | | St. Kitts | Pliocene. |
| † | | † | | | | | | | | | | Hatteras | |
| | | † | | | | † | | † | | | | Dominica ... | |
| | | | | | | | | † | | | | Barbados.... | |
| | | * | | | | | | | | | | Tropics..... | |
| | | | | | | | | | | * | | Africa..... | |
| | | | | | * | † | * | * | * | * | | St. Thomas.. | |
| | | | | | | | * | * | | | | St. Thomas.. | |
| | | | | | * | | | * | * | | | Cuba | |
| | | * | | | * | * | * | * | * | | | Sombrero ... | |
| | | * | | | * | * | | * | | | | Yucatan | |
| | | | | | * | | * | * | * | | | St. Thomas.. | |
| | | | | | * | | * | * | | * | | St. Thomas.. | Pliocene. |
| | | * | | * | * | * | †* | * | | | | Yucatan | Pliocene. |
| | | | * | | * | * | | | | | | C. Romano... | |
| | | | | | * | | * | * | | | | Yucatan | |
| * | * | * | * | | | *? | | | | | | St. Augustine | Miocene. |
| | | | | * | * | | | | | | | Key West ... | Pliocene. |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|-------------------------------------|--|----------|---------------|--------------|-------------------|-------------------------|
| 494 | <i>Urosalpinx tampaensis</i> Conrad..... | | | | | Cedar Keys. |
| 495 | <i>U. ? carolinensis</i> Verrill..... | | | 15.0 | $\frac{120}{933}$ | Hatteras.... |
| 496 | <i>U. ? macra</i> Verrill..... | | | 13.0 | $\frac{85}{933}$ | Hatteras.... |
| Genus TYPHIS Montfort. | | | | | | |
| 497 | <i>T. longicornis</i> Dall..... | 15 38 | 7 5 | 15.0 23.0 | $\frac{127}{400}$ | Gulf of Mex. |
| Subfamily <i>Purpurinae</i> . | | | | | | |
| Genus PURPURA Bruguière. | | | | | | |
| 498 | <i>P. patula</i> Linné..... | | | | | Jupiter Inlet. |
| 499 | <i>P. lapillus</i> Linné..... | 50 | 1, 2, 3 | | | Norway.... |
| 500 | <i>P. haemastoma</i> Linné..... | 34 46 | 3, 4 1a-2b | 50.0 | | Hatteras.... |
| 501 | <i>P. deltoidea</i> Lamarek..... | | | | | Jupiter Inlet. |
| Genus SISTRUM Montfort. | | | | | | |
| 502 | <i>S. roseum</i> Reeve..... | | | | | Gulf of Mex. |
| 503 | <i>S. nodulosum</i> C. B. Adams..... | | | | | C. Romano.. |
| Subfamily <i>Coralliophilinae</i> . | | | | | | |
| Genus CORALLIOPHILA Adams. | | | | | | |
| 504 | <i>C. Deburghiae</i> Reeve..... | 16 44 | 5 1 | 20.0 27.0 | $\frac{56}{878}$ | Hatteras.... |
| 505 | <i>C. abbreviata</i> Lamarek..... | | | | $\frac{15}{100}$ | Cape Fear... |
| 506 | <i>C. bracteata</i> Brocchi..... | | | | $\frac{0}{30}$ | Hatteras.... |
| 507 | <i>C. laetuea</i> Dall..... | 16 | 6 | 11.0 | $\frac{152}{382}$ | Fernandina. |
| Suborder STREPTODONTA. | | | | | | |
| Superfamily PTENOGLOSSA. | | | | | | |
| Genus SCALA Humphrey. | | | | | | |
| 508 | <i>S. angulata</i> Say..... | | | | | Connecticut. |
| 509 | <i>S. Sayana</i> Dall..... | 50 | 10 | | | Virginia.... |
| 510 | <i>S. tenuis</i> Sowerby..... | | | | | Gulf of Mex. |
| 511 | <i>S. cburnea</i> Potiez & Michaud..... | | | | | Hatteras.... |
| 512 | <i>S. centiquadra</i> Mörch..... | | | | | Hatteras.... |
| 513 | <i>S. muscapedia</i> Dall..... | | | 17.5 | 15 | Cape Fear... |
| 514 | <i>S. apiculata</i> Dall..... | | | 5.0 | $\frac{17}{50}$ | Hatteras.... |
| 515 | <i>S. multistriata</i> Say..... | 50 | 5 | | | Cape Cod... |
| 516 | <i>S. Pourtalesii</i> Verrill & Smith..... | 61 | 92 | 17.5 | $\frac{79}{351}$ | Rhode Island |
| 517 | <i>S. contorquata</i> Dall..... | 18 | 9 | 4.7 | 161 | ..... |
| 518 | <i>S. ———</i> | | | | 56 | Florida Str.. |

TABLE V. E.—*List of Gastropoda*—Continued.

| N.J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | | | | | * | | | | | | Sarasota | |
| | | † | | | *? | | | | | | | Key West | |
| | | † | | | † | | | | | | | Cape Florida | |
| | | | | | † | | | † | | | | Cuba | |
| | | | | * | * | * | * | * | * | * | * | Brazil | |
| * | | | | | | | | | | * | | New York | Pliocene. |
| | | * | * | * | * | | * | * | * | | | Trinidad | |
| | | | * | * | * | * | * | * | * | * | | St. Vincent | |
| | | | | | | | * | * | | | | Barbados | |
| | | | | * | * | | | * | | | | Aspinwall | |
| | | † | | | † | † | | † | | | | Barbados | Miocene. |
| | | * | | | * | * | | *† | | * | | Tropics | Pliocene. |
| | | * | | | * | | | | | | | Key West | |
| | | | † | | † | | | † | | | | Cuba | |
| * | * | * | * | | * | * | * | | * | * | | Texas | |
| | * | * | | | * | * | * | | | | | Key West | |
| | | | | | * | | * | * | * | | | St. Thomas | |
| | | † | | | * | | | * | * | | | Barbados | |
| | | † | | | | | | * | | | | Yucatan | |
| | | * | | | | | | | | | | Cape Fear | |
| * | | * | | | | | | | | | | S. Carolina | Pliocene. |
| † | | | | | | | | † | | | | Sombrero | |
| | | | | | | | | † | | | | Grenada | |
| | | | | † | | | | * | | | | Rum Cay | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|----------|---|------|-------|--------------|--|-------------------------|
| 519 | <i>Scala Dunkeriana</i> Dall | | | | | Turtle Harb. |
| 520 | <i>S. nitidella</i> Dall | | | 13.5 | $\frac{3\frac{2}{3}}$ | Hatteras |
| 521 | <i>S. ———</i> | | | | 8 | Cape Florida |
| 522 | <i>S. Frielei</i> Dall | | | 4.75 | $\frac{6\frac{3}{7}}$ | Hatteras |
| 523 | <i>S. sericiflra</i> Dall | | | 5.1 | | Gulf of Mex. |
| 524 | <i>S. Rushii</i> Dall | | | | $\frac{0}{6\frac{3}{8}}$ | Hatteras |
| 525 | <i>S. clathratula</i> Adams | | | | $\frac{1\frac{0}{16}}$ | Rhode Island |
| 526 | <i>S. novemcostata</i> Mörch | | | | $\frac{1\frac{0}{0}}$ | Hatteras |
| 527 | <i>S. babylonia</i> Dall | 42 | 8 | 30.0 | 731 | Cape Fear |
| 528 | <i>S. ———</i> | | | | 940 | Cedar Keys |
| 529 | <i>S. formosissima</i> Jeffreys | 18 | 11 | 8.0 | 339 | N. Atlantic |
| 530 | <i>S. permodesta</i> Dall | | | | | C. Lookout |
| 531 | <i>S. scipio</i> Dall | | | 16.0 | $\frac{1\frac{2}{3}}$ | Hatteras |
| 532 | <i>S. polacia</i> Dall | 18 | 10 | 7.25 | 229 | Florida Str. |
| 533 | <i>S. Dalliana</i> Verrill & Smith | 61 | 91 | 10.5 | $\frac{8\frac{5}{2}}$ | Rhode Island |
| 534 | <i>S. teres</i> Bush | 41 | 8 | 4.0 | $\frac{1\frac{4}{6}}$ | Hatteras |
| 535 | <i>S. erectispina</i> Mörch | | | | $\frac{1\frac{5}{8}}$ | Hatteras |
| 536 | <i>S. turricula</i> Sowerby | | | | $\frac{1\frac{6}{2}}$ | Hatteras |
| 537 | <i>S. grœnlandica</i> Perry | { 61 | { 90 | | | Arctic Sea |
| | | { 72 | { 105 | | | |
| 538 | <i>S. denticulata</i> Sowerby | | | | | Hatteras |
| 539 | <i>S. pernobilis</i> Fischer & Bernardi | | | 38.0 | $\frac{1\frac{0}{7}}$ $\frac{8\frac{0}{5}}$ | Hatteras |
| 540 | <i>S. belaurita</i> Dall | 18 | 11b | 8.3 | 73 | |
| 541 | <i>S. clathrus</i> Linné | | | | | Bahamas |
| 542 | <i>S. Krebsii</i> Mörch | | | | | Tortugas |
| 543 | <i>S. Candeara</i> Orbigny | | | | | Tortugas |
| 544 | <i>S. Blandii</i> Mörch | | | | | Tortugas |
| 545 | <i>S. lineata</i> Say | | | | | Cape Cod |
| | Section ACRILLA Adams. | | | | | |
| 546 | <i>S. retifera</i> Dall | | | | $\frac{4\frac{0}{3}}$ | Hatteras |
| | Section CIRSOTREMA Mörch. | | | | | |
| 547 | <i>S. cochlea</i> Sowerby | | | | $\frac{2\frac{5}{12}}$ | Hatteras |
| | Subgenus <i>Opalia</i> Adams. | | | | | |
| 548 | <i>O. crenata</i> var. <i>Hotessieriana</i> Orbigny | | | | | Tortugas |
| 549 | <i>O. hellenica</i> Forbes | 18 | 1 | 6.9 | $\frac{8\frac{0}{0}}$ | Hatteras |
| 550 | <i>O. aurifila</i> Dall | 18 | 4 | 11.0 | 270 | |
| 551 | <i>O. Leeana</i> Verrill | 61 | 93 | | 146 | Rhode Island |
| 552 | <i>O. concava</i> Dall | | | 14.0 | $\frac{1\frac{5}{4}}$ | Fernandina |
| 553 | <i>O. discobolaria</i> Dall | 18 | 2 | 6.5 | $\frac{2\frac{2}{4}}$ | Fernandina |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | | | | * | | | * | | | | Haiti | |
| | | † | | | | * | | | | | | Cedar Keys | |
| | | | | | * | | | | | | | | |
| | | † | | | | | | | | | | | |
| | | | | | | | ? | * | | | | Honduras | |
| | | † | | | | | | * | | | | Haiti | |
| † | | † | | | | | | | | | | Hatteras | |
| | | †* | | | | | | * | | | | St. Thomas | |
| | | † | | | | | | | | | | | |
| | | | | | | † | | | | | | | |
| | | | | | † | | | | | | | Florida Keys | |
| | | † | | | | | | * | | | | Jamaica | |
| | | * | | | | | | * | | | | Vera Cruz | |
| | | | | | † | | | † | | | | Cuba | |
| † | | † | | | | | | | | | | Cape Fear | |
| | | * | | | | | | | | | | | |
| | | † | | | | | | * | | | | St. Thomas | |
| | | * | * | | | | | * | | | | Haiti | |
| ? | | ?* | | | | | | | | * | * | Rhode Isl'd? | Pliocene. |
| | | † | | | | * | | * | | | | Bahamas | |
| | | † | | | | | | † | | | | Guadalupe | |
| | | | | | | | | † | | | | Barbados | |
| | | | | | ? | | | * | * | | | Barbados | |
| | | | | | * | | | * | | | | Sombrero | |
| | | | | | * | | | * | | | | Cuba | |
| | | | | | * | | | * | | | | St. Thomas | |
| * | * | * | | | | * | | | | | | Charlotte H | Pliocene. |
| | | † | † | † | | | | | | | | Florida Str. | |
| | | † | | | | * | | * | | | | Santa Cruz | |
| | | | | | * | | | * | | | | Guadalupe | |
| | | † | | | * | | | * | | * | | Haiti | |
| | | | | | | | | † | | | | Martinique | |
| †? | | | | | * | | | | | | | Florida Str. | |
| | | | † | | † | | | † | | | | Cuba | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|-----------------------------------|---|-----|-------------|--------------|-------------------|-------------------------|
| Genus ACLIS Lovèn. | | | | | | |
| 554 | <i>A. lata</i> Dall | 18 | 8 | 5.5 | $\frac{190}{294}$ | Fernandina .. |
| 555 | <i>A. egregia</i> Dall | 18 | 12 | 13.0 | $\frac{294}{386}$ | Fernandina .. |
| 556 | <i>A. nucleata</i> Dall | 18 | 7 | 9.3 | $\frac{294}{464}$ | Fernandina .. |
| 557 | <i>A. tenuis</i> Verrill | | | 3.8 | $\frac{63}{1769}$ | George's B'ks |
| 558 | <i>A. striata</i> Verrill | | | 4.0 | $\frac{63}{106}$ | B. of Fundy .. |
| 559 | <i>A. ———</i> | | | | $\frac{294}{386}$ | Fernandina .. |
| 560 | <i>A. ———</i> | | | | $\frac{294}{386}$ | Fernandina .. |
| 561 | <i>A. ———</i> | | | | 294 | Fernandina .. |
| Family JANTHINIDÆ. | | | | | | |
| Genus JANTHINA Lamarck. | | | | | | |
| 562 | <i>J. communis</i> Lamarck | | | | Pelagic | Nantucket .. |
| 563 | <i>J. globosa</i> Swainson | | | | Pelagic | Gulf Stream. |
| 564 | <i>J. prolongata</i> Blainville | | | | Pelagic | N. Atlantic .. |
| 565 | <i>J. exigua</i> Lamarck | | | | Pelagic | Gulf Stream. |
| <i>Superfamily GYMNOGLOSSA.</i> | | | | | | |
| Family EULIMIDÆ. | | | | | | |
| Genus EULIMA Risso. | | | | | | |
| 566 | <i>E. conoidea</i> Kurtz & Stimpson | | | | | Hatteras |
| 567 | <i>E. gracilis</i> C. B. Adams | | | | | Hatteras |
| 568 | <i>E. intermedia</i> Cantraine | 52 | 14 | | $\frac{11}{646}$ | Norway |
| 569 | <i>E. jamaicensis</i> C. B. Adams | | | | | Cedar Keys.. |
| 570 | <i>E. subcarinata</i> Orbigny | | | | | Hatteras |
| 571 | <i>E. Carolii</i> Dall | | | | | Hatteras |
| Section MELANELLA Bowdich. | | | | | | |
| 572 | <i>E. arcuata</i> C. B. Adams | 19 | 11 | 4.0 | | Fernandina .. |
| 573 | <i>E. elongata</i> Dautzenberg | | | | | Norway |
| 574 | <i>E. gibba</i> De Folin | | | | | Hatteras |
| Subgenus Liostraca Adams. | | | | | | |
| 575 | <i>L. bilineata</i> Alder | | | | | Norway |
| 576 | <i>L. acuta</i> Sowerby | | | | $\frac{10}{106}$ | C. Lookout.. |
| 577 | <i>L. stenostoma</i> Jeffreys | | | | $\frac{10}{1062}$ | Norway |
| 578 | <i>L. fusus</i> Dall | 19 | 11 <i>d</i> | 13.3 | $\frac{24}{646}$ | Fernandina .. |
| 579 | <i>L. Hemphillii</i> Dall | 48 | 11 | 3.0 | | Cedar Keys.. |
| Genus STILIFER Broderip. | | | | | | |
| 580 | <i>S. Stimpsoni</i> Verrill | | | | $\frac{6}{1256}$ | George's B'ks |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber. mu. da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|--------------|------|----------|-------------------------|----------------|
| | | | † | | | | | † | | | | Barbados.... | |
| | | | † | | | | | † | | | | Guadalupe .. | P. Pliocene. |
| | | | † | | | | | † | | | | St. Vincent.. | P. Pliocene. |
| † | | *† | | † | | | | † | | | | Florida Str.. | |
| † | | † | | | | | | | | | | Hatteras ... | |
| | | | † | † | | | | † | | | | Florida Str.. | |
| | | | † | † | | | | † | | | | Florida Str.. | |
| | | | † | | | | | | | | | | |
| * | * | * | * | * | * | * | * | * | * | * | * | Aspinwall ... | |
| | | | * | * | * | * | | * | * | * | | | |
| | | | | ? | | | | * | * | | | | |
| | | | | * | | | | * | | | * | Barbados.... | |
| | | * | * | | * | * | | * | | | | West Indies . | Pliocene. |
| | | * | | | * | * | * | * | | | | St. Thomas.. | |
| † | † | *† | | | * | * | | *† | | | †* | Barbados.... | |
| | | | | | * | * | | * | | | | Haiti | |
| | | * | | | * | * | | * | | | | Haiti | |
| | | * | | | * | | | * | | | | Jamaica.... | Pliocene. |
| | | † | | | ? | | | † | | * | | | |
| | | * | | | * | | | * | | * | | Barbados.... | |
| | | † | | | | | † | | | * | * | Campeche.. | |
| | | †* | | | † | * | | † | | * | | Haiti | |
| | | * | | | | | | * | | | * | Barbados.... | |
| | | †? | † | | | | | | | *† | | Fernandina . | |
| | | | † | | | | † | † | | | | St. Kitts ... | |
| | | | | * | * | | | | | | | Marco..... | |
| * | | *? | | | * | | | | | | | Fla. Keys ?.. | |

TABLE V. E.—List of *Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|-----------------------------------|--|-----|-------|--------------|--------------------|-------------------------|
| Genus NISO Risso. | | | | | | |
| 581 | <i>N. splendidula</i> Sowerby | | | 27.0 | $\frac{15}{111}$ | Cape Fear... |
| 582 | <i>N. interrupta</i> Sowerby | 18 | 5, 6 | 20.0 | $\frac{11}{84}$ | Florida Str.. |
| 583 | var. <i>albida</i> Dall | 18 | 5 | 8.1 | 116 | ..... |
| 584 | var. <i>tricolor</i> Dall | | | | $\frac{15}{107}$ | Hatteras |
| 585 | var. <i>ægleës</i> Bush | 41 | 10, a | 7.5 | $\frac{3}{2}$ | Hatteras |
| 586 | var. <i>circinata</i> Dall ..... |  |  |  |  | ..... |
| Family PYRAMIDELLIDÆ. | | | | | | |
| Genus PYRAMIDELLA Lamarck. | | | | | | |
| Section LONGCHÆUS Mörch. | | | | | | |
| 587 | <i>P. crenulata</i> Holmes | | | | | S. Carolina.. |
| 588 | <i>P. candida</i> Mörch | | | | | Hatteras |
| Section PYRAMIDELLA s. s. | | | | | | |
| 589 | <i>P. dolabrata</i> Linné | | | | | Sarasota |
| Genus TURBONILLA Leach. | | | | | | |
| 590 | <i>T. lævis</i> C. B. Adams | | | | $\frac{15}{107}$ | Hatteras |
| 591 | <i>T. ———</i> | | | | | Estella Pass. |
| 592 | <i>T. ———</i> | | | | $\frac{12}{80}$ | Cape Fear... |
| 593 | <i>T. puncta</i> C. B. Adams | | | | $\frac{12}{8}$ | Hatteras |
| 594 | <i>T. exilis</i> C. B. Adams | | | | $\frac{3}{63}$ | Hatteras |
| 595 | <i>T. Bushiana</i> Verrill | | | 12.0 | $\frac{365}{1467}$ | Rhode Island |
| 596 | <i>T. Rathbuni</i> Verrill and Smith | 63 | 104 | | $\frac{64}{1398}$ | Rhode Island |
| 597 | <i>T. pusilla</i> C. B. Adams | | | | $\frac{10}{294}$ | Hatteras |
| 598 | <i>T. ———</i> | | | | $\frac{3}{124}$ | Hatteras |
| 599 | <i>T. ———</i> | | | | | Hatteras |
| 600 | <i>T. perlepida</i> Verrill | | | 7.0 | 70 | Chesapeake |
| 601 | <i>T. ———</i> | | | | $\frac{63}{104}$ | Hatteras |
| 602 | <i>T. grandis</i> Verrill | | | 18.0 | 1582 | Maryland |
| 603 | <i>T. belothea</i> Dall | 26 | 7d | 14.0 | $\frac{50}{93}$ | Florida Str.. |
| 604 | <i>T. interrupta</i> Totten | 26 | 2, 2b | 11.0 | $\frac{2}{107}$ | Nova Scotia |
| 605 | <i>T. ? elegans</i> Verrill | 52 | 6 | | | Mass. Bay |
| 606 | <i>T. reticulata</i> C. B. Adams | | | | | Hatteras |
| 607 | <i>T. multicostata</i> C. B. Adams | | | | | S. Carolina |
| 608 | <i>T. obeliscus</i> C. B. Adams | | | | $\frac{12}{63}$ | Hatteras |
| 609 | <i>T. virga</i> Dall | | | 8.1 | $\frac{1}{5}$ | Hatteras |
| 610 | <i>T. punicea</i> Dall | | | 8.0 | $\frac{3}{11}$ | C. Lookout.. |
| 611 | <i>T. subulata</i> C. B. Adams | | | | $\frac{1}{63}$ | Hatteras |
| 612 | <i>T. ———</i> | | | | $\frac{14}{63}$ | Hatteras |
| 613 | <i>T. curta</i> Dall | 26 | 7c | 8.3 | $\frac{15}{640}$ | Hatteras |

TABLE V. E.—*List of Gastropoda*—Continued.

| N.J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-nu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | * | | | | † | | | | | * | New Grenada | |
| | | | | | † | | | | | | * | Centr. Am. . . | |
| | | | | | | | | * | | | | St. Lucia . . . | |
| | | †* | | | | | | | | | | N. Carolina . . | |
| | | * | | | | * | | | | | | Tampa | |
| | | | | | | | | * | | | | Barbados . . . | |
| | | * | | | * | * | | * | | | | St. Thomas . . | Pliocene. |
| | | * | * | | * | * | | * | | | | Barbados . . . | |
| | | | | | * | * | | * | | | | Barbados . . . | P. Pliocene. |
| | | †* | | | | | | * | | | | Jamaica | |
| | | | | * | | | | * | | | | Honduras . . . | |
| | | †* | | | | * | | | | | | Charlotte H. . | |
| | | * | | | | | | * | | | | Haiti | |
| | | †* | | | * | * | | * | | | | Haiti | |
| †? | | | | | | | | † | | ? | | Old Provid'ce | |
| †? | | | | | | | | | | | | | |
| | | * | * | | | | | * | | | | Barbados . . . | |
| | | † | | | | | | | | | | | |
| | | * | | | * | * | | | | | | Charlotte H. . | |
| † | | | | | | | | | | | | | |
| | | † | | | | | | | | | | | |
| † | | | | | | | | | | | | | |
| | | | | | † | † | | † | | | | Barbados . . . | |
| | | †† | | | * | * | | † | | * | | Barbados . . . | P. Pliocene. |
| | * | * | | * | | | | | | | | East Florida . | |
| | | †* | | | | | | * | | | | Jamaica | |
| | | * | | | * | | | * | | | | Jamaica | |
| | | * | | | * | * | | * | | | | St. Thomas . . | |
| | | * | | | * | * | | * | | | | Key West . . . | |
| | | * | * | | * | * | | * | | | | Bahamas | |
| | | †* | | | * | | | * | | | | Haiti | |
| | | †* | | | | | | * | | | | Haiti | |
| | | †* | | | | | † | † | | | | Yucatan | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|----------|--------------------------------------|-----|-------|--------------|---------------------------|-------------------------|
| | Subgenus <i>Parthenia</i> Lowe. | | | | | |
| 614 | <i>P. cedrosa</i> Dall | 48 | 4 | 5.5 | ..... | Cedar Keys.. |
| | Subgenus <i>Stylopsis</i> A. Adams. | | | | | |
| 615 | <i>S. resticula</i> Dall | | | 3.5 | ..... | Gulf of Mex .. |
| | Subgenus ? <i>Careliopsis</i> Mörch. | | | | | |
| 616 | <i>C. styliiformis</i> Mörch..... | | | | $\frac{2}{3\frac{1}{2}}$ | Hatteras |
| | Genus EULIMELLA Forbes. | | | | | |
| 617 | <i>E. unifasciata</i> Forbes | 19 | 11c | 6.0 | $\frac{80}{120}$ | Britain..... |
| 618 | <i>E. ———</i> | | | | $\frac{107}{124}$ | Hatteras |
| 619 | <i>E. ———</i> | | | | $\frac{63}{107}$ | Hatteras |
| 620 | <i>E. ———</i> | | | | 168 | C. Lookout.. |
| 621 | <i>E. scillæ</i> Scacchi | | | | $\frac{6}{3\frac{1}{2}}$ | Norway |
| 622 | <i>E. lissa</i> Verrill | | | 6.0 | 142 | Hatteras |
| | Genus PERISTICHIA Dall. | | | | | |
| 623 | <i>P. toreta</i> Dall | 42 | 10 | 10.8 | $\frac{2}{2\frac{1}{2}}$ | C. Lookout.. |
| 624 | <i>P. agria</i> Dall | | | 6.0 | $\frac{2}{6\frac{1}{3}}$ | Hatteras |
| | Genus OSCILLA Adams. | | | | | |
| 625 | <i>O. nivea</i> Mörch..... | 48 | 2 | 8.4 | ..... | Key West ... |
| | Genus SYRNOLA A. Adams. | | | | | |
| 626 | <i>S. ———</i> | | | | 205 | Cape Fear... |
| 627 | <i>S. producta</i> C. B. Adams..... | 52 | 13 |  | ..... | Mass. Bay ... |
| 628 | <i>S. fusca</i> C. B. Adams | 52 | 15 |  | ..... | Cape Cod.... |
| | Genus ODOSTOMIA Fleming. | | | | | |
| 629 | <i>O. unidentata</i> Montagu | | | | $\frac{63}{200}$ | Norway |
| 630 | <i>O. engonia</i> Bush..... | | | 5.0 | $\frac{16}{200}$ | Hatteras |
| 631 | <i>O. tornata</i> Verrill..... | | | 3.0 | $\frac{15}{142}$ | Hatteras |
| 632 | <i>O. acutidens</i> Dall | | | 4.2 | $\frac{2}{107}$ | Hatteras |
| 633 | <i>O. disparilis</i> Verrill | | | 3.2 | 142 | Hatteras |
| 634 | <i>O. teres</i> Bush..... | 41 | 9 | 4.5 | $\frac{14}{2\frac{1}{2}}$ | Hatteras |
| 635 | <i>O. trifida</i> Totten..... | 52 | 8 |  | ..... | Mass. Bay ... |
| 636 | <i>O. bisuturalis</i> Say..... | 52 | 7 |  | ..... | Mass. Bay ... |
| 637 | <i>O. impressa</i> Say | 52 | 11 | | $\frac{2}{3}$ | Mass. Bay ... |
| 638 | <i>O. seminuda</i> C. B. Adams | 52 | 10 |  | ..... | Mass. Bay ... |
| 639 | <i>O. ———</i> ..... |  |  |  | ..... | Texas..... |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | | | | | * | | | | | | Gulf of Mex . | |
| | | | | | * | | | | | | | Key West ... | |
| | | †* | | | | * | | * | | | | St. Thomas .. | |
| | | † | † | | | † | | | | | | Barbados.... | |
| | | † | | | | | | | | | | | |
| | | * | | | | | | | | | | | |
| | | † | | | * | | | * | | | | West Indies . | |
| | | † | | | | | | | | | | | |
| | | * | | | * | * | | | | | | Key West ... | |
| | | † | | | * | | | | | | | Key West ... | |
| | | | | | * | | | * | | | | Martinique .. | |
| | | * | | * | * | | | * | | | | Haiti..... | |
| * | | | | | | | | | | | | Delaware ? .. | |
| * | | | | | | | | | | | | Delaware ? .. | |
| | | † | | † | | | | | | | | East Florida. | |
| | | *† | | † | | | | | | | | East Florida. | |
| | | *† | | | | | | | | | | Cape Fear... . | |
| | | †* | | † | | * | | | | | | West Florida. | |
| | | † | | | | | | | | | | | |
| | | * | | | | | | | | | | | |
| * | | | | | | | | | | | | New Jersey.. | |
| * | | | | | | | | | | | | Delaware B.. | |
| * | * | * | * | * | | * | | | | | | Tampa | |
| * | | * | | * | * | * | | | | | | Florida Keys. | |
| | | | | * | | | * | | | | | Key West ... | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|----------|--|-----|-------|--------------|--|-------------------------|
| | <i>Superfamily</i> TÆNIOGLOSSA. | | | | | |
| | Family TRITONIIDÆ. | | | | | |
| | Genus DISTORTRIX Link. | | | | | |
| 640 | <i>D. reticulata</i> Link. | | | | $\frac{22}{1\frac{3}{4}}$ | Hatteras ... |
| | Genus GYRINEUM Link. | | | | | |
| 641 | <i>G. affine</i> Broderip. | | | | | Hatteras ... |
| | Genus TRITONIUM Link. | | | | | |
| 642 | <i>T. tritonis</i> L. var. <i>nobilis</i> Conrad ... | | | | 121 | Key West ... |
| | Subgenus Colubraria Schumacher. | | | | | |
| 643 | <i>C. testacea</i> Mörch ... | | | | | Hatteras ... |
| 644 | <i>C. lanceolata</i> Menke ... | | | | | Hatteras ... |
| 645 | <i>C. Swiftii</i> Tryon ... | | | | | Bermuda ... |
| 646 | <i>C. reticulata</i> Blainville. | | | | | Nassau ... |
| | Subgenus Ranularia Schumacher. | | | | | |
| 647 | <i>R. tuberosa</i> Lamarck ... | | | | | Key West ... |
| | Subgenus Lampusia Schumacher. | | | | | |
| 648 | <i>L. chlorostoma</i> Lamarck ... | | | | | Jupiter Inlet. |
| 649 | <i>L. pileare</i> Lamarck. | | | | | Key West ... |
| 650 | <i>L. gracile</i> Reeve. | 29 | 2 | 25.5 | $\frac{24}{10\frac{1}{2}}$ | Gulf of Mex. . |
| 651 | <i>L. pharcida</i> Dall. | 36 | 2 | 23.6 | 82 | Antilles? ... |
| 652 | <i>L. labiosa</i> Wood. | | | | $\frac{49}{1}$ | Hatteras ... |
| 653 | <i>L. olearium</i> Linnæus ... | | | | | Hatteras ... |
| 654 | <i>L. cynocephala</i> Lamarck. | | | | | Florida Str.. |
| | Subgenus Lotorium Montfort. | | | | | |
| 655 | <i>L. femorale</i> Linné ... | | | | | Cedar Keys.. |
| | Family OÖCORITIDÆ. | | | | | |
| | Genus Oöcorys Fischer. | | | | | |
| 656 | <i>O. abyssorum</i> Verrill & Smith. | | | | $\frac{16\frac{2}{3}}{2\frac{1}{2}\frac{2}{3}\frac{1}{1}}$ | Chesapeake . |
| 657 | <i>O. sulcata</i> Fischer ... | 62 | 83 | | | Hatteras? ... |
| | Family ———?. | | | | | |
| | Genus DALIUM Dall. | | | | | |
| 658 | <i>D. solidum</i> Dall. | 19 | 10d | 41.0 | 576 | Grenada ... |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | †* | | | * | * | | | | | | Barbados... | |
| | | † | | | † | | † | † | | | † | Tropics | |
| | | | | | † | | | † | * | ? | | Barbados... | |
| | | † | | | * | | * | † | | | | Sombrero.... | Pliocene. |
| | | † | | | * | | † | * | * | | | Barbados.... | |
| | | | | ? | | | | † | * | | | Barbados.... | |
| | | | | ? | | | | * | | * | | Haiti | |
| | | | | | * | | | * | * | | * | Tropics | |
| | | | | * | * | | * | † | * | | | Barbados... | |
| | | | | * | * | | | * | * | | | Trinidad | |
| | | | | | | * | | † | | | | Aspinwall .. | |
| | | | | | | | | † | | | | Barbados.... | |
| | | * | | | | | | * | | * | | Tropics | |
| | | † | | | | | * | * | | | | Carthage-na | |
| | | | | | * | | * | * | | | | Margarita Id. | |
| | | | | * | * | | | * | * | | | Guadalupe .. | |
| | | † | † | | | | † | | | | | Cedar Keys.. | |
| | | † | | | | | | † | | † | | Africa | |
| | | | | | | | | † | | | | | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. | |
|------------------------------------|---------------------------------------|-------|-------|--------------|-------------------|-------------------------|--------------|
| Family CASSIDIDÆ. | | | | | | | |
| Genus CASSIS Lamarck. | | | | | | | |
| 659 | <i>C. cameo</i> Stimpson ..... | ..... | ..... | ..... | ..... | Hatteras | |
| 660 | <i>C. tuberosa</i> Linné ..... | ..... | ..... | ..... | ..... | Hatteras | |
| 661 | <i>C. testiculus</i> Linné ..... | ..... | ..... | ..... | ..... | Hatteras | |
| 662 | <i>C. inflata</i> Shaw ..... | ..... | ..... | ..... | ..... | Hatteras | |
| Genus GALEODEA Link. | | | | | | | |
| 663 | <i>G. Coronadoi</i> Crosse ..... | ..... | ..... | ..... | 124 | Cape Fear... | |
| Genus LAMBIDIUM Link. | | | | | | | |
| 664 | <i>L. oniscus</i> Linné ..... | ..... | ..... | ..... | ..... | Tortugas | |
| Genus ONISCIDIA Swainson. | | | | | | | |
| 65 | <i>O. Dennisoni</i> Reeve..... | ..... | ..... | ..... | 130 | Gulf of Mex. | |
| Genus SCONSIA Gray. | | | | | | | |
| 666 | <i>S. striata</i> Lamarck ..... | ..... | ..... | ..... | 85 | Cape Florida.. | |
| Family DOLIIDÆ. | | | | | | | |
| Genus DOLIUM Lamarck. | | | | | | | |
| 667 | <i>D. galea</i> Linné ..... | ..... | ..... | ..... | ..... | Hatteras | |
| 668 | <i>D. perdix</i> Linné..... | ..... | ..... | ..... | ..... | Florida Keys.. | |
| Subgenus Eudolium Dall. | | | | | | | |
| 669 | <i>E. Crosseanum</i> Monterosato..... | { | 15 | 5 | 35.0 | $\frac{80}{407}$ | Rhode Island |
| | | | 44 | 2a-b |  |  |  | 83, a |
| 670 | <i>E. Ferrillii</i> Dall | | 35 | 12 | 32.0 | 73 | Grenada..... |
| Genus PYRULA Lamarck. | | | | | | | |
| 671 | <i>P. papyratia</i> Say ..... | ..... | ..... | ..... | ..... | N. Carolina.. | |
| Family AMPHIPERASIDÆ. | | | | | | | |
| Genus AMPHIPERAS Gronovius. | | | | | | | |
| Subgenus Simnia Risso. | | | | | | | |
| 672 | <i>S. acicularis</i> Lamarck ..... | ..... | ..... | ..... | ..... | Cape Fear... | |
| 673 | <i>S. intermedia</i> Sowerby ..... | ..... | ..... | ..... | $\frac{16}{170}$ | Hatteras | |
| 674 | <i>S. uniplicata</i> Sowerby ..... | ..... | ..... | ..... | $\frac{12}{21}$ | N. Carolina.. | |
| 675 | <i>S. aureocincta</i> Dall ..... | ..... | ..... | 18.5 | $\frac{9}{70}$ | Florida Str.. | |
| Genus ULTIMUS Montfort. | | | | | | | |
| 676 | <i>U. gibbosus</i> Linné..... | ..... | ..... | ..... | $\frac{16}{80}$ | Hatteras | |
| Genus PEDICULARIA Swainson. | | | | | | | |
| 677 | <i>P. decussata</i> Gould | 19 | 9a, b | 6.0 | $\frac{100}{450}$ | Georgia | |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber- mu- da. | Eur. | West Am. | Southern extr me range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|--------------------|-------|----------|-------------------------|----------------|
| --- | --- | * | - | --- | * | * | --- | * | --- | --- | --- | Barbados.... | |
| --- | --- | * | * | --- | --- | * | --- | * | --- | --- | --- | Barbados.... | |
| --- | --- | * | --- | --- | * | --- | * | * | * | --- | --- | Trinidad.... | |
| --- | --- | †* | --- | † | † | † | * | *† | --- | --- | --- | Brazil..... | |
| --- | --- | † | --- | --- | --- | --- | --- | ?*† | --- | --- | --- | Matanzas ... | |
| --- | --- | --- | --- | ? | * | --- | --- | * | --- | --- | --- | Trinidad.... | |
| --- | --- | --- | --- | --- | --- | --- | † | † | --- | --- | --- | Guadalupe .. | |
| --- | --- | --- | --- | --- | † | --- | --- | † | --- | E. I. | --- | Barbados.... | |
| --- | --- | * | --- | --- | * | * | * | * | --- | --- | --- | Trinidad.... | |
| --- | --- | --- | --- | --- | * | * | --- | * | * | --- | --- | Brazil..... | |
| --- | --- | † | † | † | --- | --- | --- | † | --- | † | --- | Barbados.... | |
| --- | --- | --- | --- | --- | --- | --- | --- | † | --- | --- | --- | --- | |
| --- | --- | * | * | * | * | * | * | * | --- | --- | --- | West Indies . | |
| --- | --- | * | --- | --- | * | --- | --- | * | --- | --- | --- | Brazil..... | |
| --- | --- | † | --- | --- | --- | --- | *† | *† | --- | --- | --- | Brazil..... | |
| --- | --- | †* | * | --- | *† | * | --- | †* | --- | --- | --- | Barbados.... | |
| --- | --- | --- | --- | --- | † | --- | --- | † | --- | --- | --- | Sombrero.... | |
| --- | --- | --- | * | --- | * | * | --- | * | * | --- | --- | Trinidad.... | |
| --- | --- | --- | † | --- | --- | --- | --- | † | --- | --- | --- | Barbados.... | |

TABLE V. E.—List of Gastropoda—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|---------------------------------|---|----------|---------------|--------------|------------------|-------------------------|
| Family CYPRÆIDÆ. | | | | | | |
| Genus CYPRÆA Linné. | | | | | | |
| 678 | <i>C. exanthema</i> Linné | | | 100. 0 | $\frac{0}{10}$ | Hatteras |
| 679 | <i>C. cinerea</i> Gmelin | | | | $\frac{1}{163}$ | Hatteras |
| 680 | <i>C. spurca</i> Linné | | | | $\frac{0}{25}$ | Cedar Keys.. |
| 681 | <i>var. flaveola</i> Lam..... | | | | | Key West ... |
| Genus TRIVIA Gray. | | | | | | |
| 682 | <i>T. pediculus</i> Linné | | | | | St. Augustine |
| 683 | <i>T. suffusa</i> Gray..... | | | | | Cedar Keys.. |
| 684 | <i>T. subrostrata</i> Gray..... | | | | $\frac{80}{177}$ | Florida Str.. |
| 685 | <i>T. nivea</i> Gray | | | | | Florida Keys |
| 686 | <i>T. candidula</i> Gaskoin | | | | $\frac{18}{140}$ | Hatteras |
| 687 | <i>T. globosa</i> Gray | | | | $\frac{23}{640}$ | Cedar Keys.. |
| 688 | <i>T. quadripunctata</i> Gray..... | | | | $\frac{0}{15}$ | Jupiter Inlet |
| Genus ERATO Risso. | | | | | | |
| 689 | <i>E. Maugeriae</i> Gray..... | | | | $\frac{0}{63}$ | Hatteras |
| Family CARINARIIDÆ. | | | | | | |
| Genus CARINARIA Lamarck. | | | | | | |
| 690 | <i>C. mediterranea</i> Peron & Lesueur..... | | | | | N. lat. 40° ... |
| Genus ATLANTA Lesueur. | | | | | | |
| 691 | <i>A. Peronii</i> Lesueur | 43 66 | 4, 4a 110a | } | Pelagic | N. lat. 42° ... |
| 692 | <i>A. Gaudichaudi</i> Eyd. & Soul..... |  |  |  |  |  | 66 | 111 | Pelagic | N. lat. 40° ... |
| 693 | <i>A. rosea</i> Souleyet..... | | | | Pelagic | N. lat. 41° ... |
| 694 | <i>A. Lamanoni</i> Eyd. & Soul | | | | Pelagic | N. lat. 39° ... |
| 695 | <i>A. pulchella</i> Verrill..... | | | | Pelagic | N. lat. 40° ... |
| 696 | <i>A. inclinata</i> Souleyet..... | | | | Pelagic | N. lat. 41° ... |
| Genus OXYGYRUS Benson. | | | | | | |
| 697 | <i>O. Keraudreni</i> Orbigny | | | | Pelagic | N. lat. 40° ... |
| Family STROMBIDÆ. | | | | | | |
| Genus STROMBUS Linné. | | | | | | |
| 698 | <i>S. gigas</i> Linné..... | | | | | Florida Keys. |
| 699 | <i>S. pugilis</i> Linné | | | | | Hatteras |
| 700 | <i>S. bituberculatus</i> Lamarck | | | | | Jupiter Inlet |
| 701 | <i>S. accipitrinus</i> Lamarck | | | | | Florida Keys. |
| 702 | <i>S. costatus</i> Gmelin..... | | | | | St. Augustine |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | * | | | * | * | * | * | * | | * | Darien | |
| | | † | | | † | † | * | * | * | | | Guadalupe .. | |
| | | | | * | * | * | | * | | * | | Barbados.... | |
| | | | | | * | | | * | | | | Swan Islands | |
| | | | * | * | * | * | | * | * | | | Barbados.... | Pliocene. |
| | | | | | * | * | * | * | | | | Barbados.... | |
| | | | | | * † | | | * † | | | | Barbados.... | |
| | | | | | * | | | * | | | | Barbados.... | |
| | | * | | | * | * | | † * | | * | | Barbados.... | |
| | | | | | * † | * | | * † | | | | Barbados.... | Pliocene. |
| | | | | | * | | | * | * | | | Barbados.... | |
| | | * † | | | * | * | * | | | | | Aspinwall ... | Pliocene. |
| * | | * | | | * | | | * | * | * | | Tropics | Pliocene |
| | | * | * | * | * | * | * | * | * | *? | ? | Tropics | Pliocene. |
| * | | | * | | | | | | | | | Tropics | |
| * | * | | * | | | | | | | | | Tropics | |
| * | | | * | | | | | | | | | Tropics | |
| * | | * | | | | | | | | | | Tropics | |
| * | * | * | * | * | * | * | * | * | * | | | Tropics | P. Pliocene. |
| | | | | | * | | | * | * | | | Carthagenas . | |
| | | * | | * | * | * | * | * | * | | | Aspinwall ... | |
| | | | | * | * | | | * | | | | Guadalupe .. | |
| | | | | | * | | | * | | | | Guadalupe .. | |
| | | | * | * | * | * | | | | | | Guadalupe .. | ? Pliocene, |

TABLE V. E.—List of Gastropoda—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|----------------------------|--|-------|--------|--------------|--------------------|-------------------------|
| Family TRIFORIDÆ. | | | | | | |
| Genus TRIFORIS Deshayes. | | | | | | |
| Section TRIFORIS s. s. | | | | | | |
| 703 | <i>T. mirabilis</i> C. B. Adams ..... | ..... | ..... | ..... | ..... | C. Lookout .. |
| 704 | <i>T. lilacina</i> Dall..... | ..... | ..... | 9.0 | 6 | Turtle Harb., |
| Section MASTONIA Hinds. | | | | | | |
| 705 | <i>T. perversa</i> L. var. <i>nigrocincta</i> Ad... .. | ..... | ..... | ..... | $\frac{0}{30}$ | Cape Cod.... |
| 706 | <i>T. decorata</i> C. B. Ad. var. <i>olivacea</i> Dall ..... | ..... | ..... | ..... | ..... | W. Florida .. |
| 707 | <i>T. pulchella</i> C. B. Adams..... | ..... | ..... | ..... | ..... | Florida Str.. |
| 708 | <i>T. turrithomæ</i> Orbigny | 41 | 6 | ..... | ..... | Hatteras |
| 709 | <i>T. melanura</i> C. B. Adams..... | ..... | ..... | ..... | ..... | Hatteras |
| Section INELLA Bayle. | | | | | | |
| 710 | <i>T. longissima</i> Dall..... | 20 | 10 | 26.0 | $\frac{175}{450}$ | Hatteras |
| 711 | <i>T. triserialis</i> Dall | 20 | 5a, 6a | 15.5 | $\frac{125}{154}$ | Hatteras |
| 712 | var. <i>aspera</i> Jeffreys..... | ..... | ..... | ..... | $\frac{125}{131}$ | N. Atlantic .. |
| 713 | var. <i>intermedia</i> Dall..... | 20 | 8 | 11.0 | ..... | Florida Str.. |
| 714 | <i>T. colon</i> Dall..... | 20 | 12 | 12.0 | $\frac{450}{1002}$ | Florida Str.. |
| Section SYCHAR Hinds. | | | | | | |
| 715 | <i>T. bigemma</i> Watson ..... | ..... | ..... | ..... | $\frac{294}{640}$ | Fernandina . |
| 716 | var. <i>hircus</i> Dall | 20 | 11 | 12.5 | 640 | Gulf of Mex . |
| 717 | <i>T. abrupta</i> Dall | 20 | 9 | 7.5 | 640 | Gulf of Mex . |
| 718 | <i>T. torticula</i> Dall..... | 20 | 11b | 10.5 | 640 | Gulf of Mex . |
| 719 | <i>T. inflata</i> Watson..... | ..... | ..... | ..... | $\frac{294}{640}$ | Georgia |
| 720 | var. <i>ibex</i> Dall ..... | ..... | ..... | ..... | $\frac{450}{640}$ | Florida Str.. |
| 721 | <i>T. cylindrella</i> Dall..... | 20 | 6 | 6.5 | 640 | Gulf of Mex . |
| 722 | <i>T. Rushii</i> Dall..... | ..... | ..... | ..... | 200 | Florida Str.. |
| Family CERITHIOPSIDÆ. | | | | | | |
| Genus SEILA A. Adams. | | | | | | |
| 723 | <i>S. terebralis</i> C. B. Adams | 52 | 5 | ..... | $\frac{0}{20}$ | Mass. Bay.... |
| Genus CERITHIOPSIS F. & H. | | | | | | |
| 724 | <i>C. tubercularis</i> Montagu..... | ..... | ..... | ..... | ..... | N. Europe.... |
| 725 | <i>C. Greenii</i> C. B. Adams | 52 | 2 | ..... | $\frac{3}{10}$ | Mass. Bay.... |
| 726 | <i>C. crystallina</i> Dall..... | 20 | 3 | 16.0 | $\frac{50}{305}$ | Gulf of Mex . |
| 727 | <i>C. Martensii</i> Dall..... | 20 | 2 | 11.25 | $\frac{229}{181}$ | Lat. 24° 15' |
| 728 | <i>C. pulchella</i> Jeffreys..... | ..... | ..... | 4.2 | $\frac{2}{63}$ | Britain..... |
| 729 | <i>C. Sigsbeeana</i> Dall | 20 | 1 | 10.5 | 220 | Gulf of Mex . |

TABLE V. E.—*List of Gastropoda*—Continued.

| N.J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | * | | | * | | | * | | | | Jamaica..... | |
| | | | | | * | | | | | | | Florida Str.. | |
| * | * | * | * | | * | * | | | | * | | Key West?.. | Pliocene. |
| | | | | | * | *† | | * | | | | Haiti..... | |
| | | | | | *† | | | * | | | | Haiti..... | |
| | | * | | | *† | | | * | | | | Guadalupe.. | |
| | | | | | * | | | * | | | | Jamaica..... | |
| | | | | | † | | | † | | | | Cuba..... | |
| | | † | | | † | | | † | | | | Barbados.... | |
| | | | † | | † | | | † | | * | | Florida Str.. | |
| | | | | | † | | | † | | | | Barbados.... | |
| | | | | | † | | † | † | | | | Yucatan..... | |
| | | | † | | | | | † | | | | St. Thomas.. | |
| | | | | | | | † | † | | | | Yucatan..... | |
| | | | | | | | † | † | | | | Yucatan..... | |
| | | | † | | | | † | † | | | | Yucatan..... | |
| | | | | | *† | | † | | | | | Culebra..... | |
| | | | | | | | † | | | | | Yucatan..... | |
| | | | | | | | † | | | | | Yucatan..... | |
| | | | | † | | | | † | | | | Bahamas..... | |
| * | | * | | | * | * | * | * | | *? | | Haiti..... | Miocene. |
| | | | | | * | | | | | * | | Key West... | |
| | | * | * | * | * | * | * | * | * | | | Haiti..... | |
| | | | | † | † | *† | | † | | | | Barbados.... | |
| | | | | | | † | | | | | | Gulf of Mex. | |
| | | † | | | | | | | | * | | Hatteras..... | |
| | | | | | † | | | † | | | | Cuba..... | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|--------------------------------------|--|----------|---------|--------------|--------------------|-------------------------|
| Section MFTAXIA Monterosato. | | | | | | |
| 730 | <i>C. abrupta</i> Watson | 20 | 5 | 4.3 | $\frac{1.5}{100}$ | Cape Fear... |
| 731 | <i>C. metaxæ</i> Della Chiaje | | | | $\frac{2}{220}$ | Hatteras |
| 732 | var. <i>taniolata</i> Dall | | | | $\frac{1.5}{52}$ | C. Lookout.. |
| Subgenus Eumeta Mörch. | | | | | | |
| 733 | <i>E. subulata</i> Montagu | 20 52 | 4 1) | 14.3 | $\frac{2}{18}$ | Cape Cod.... |
| Subgenus Cerithiella Verrill. | | | | | | |
| 734 | <i>C. Whiteavesii</i> Verrill | | | | $\frac{2.38}{313}$ | Gulf St. Law. |
| Family CERITHIIDÆ. | | | | | | |
| Genus Bittium Leach. | | | | | | |
| 725 | <i>B. alternatum</i> Say | 52 | 4 | | | Mass. Bay:.. |
| 736 | <i>B. ? (Alaba?) Adamsi</i> Dall | | | | | Hatteras |
| 737 | <i>B. ? (Alaba?) cerithioides</i> Dall | | | | | C. Lookout.. |
| Section DIASTOMA Deshayes. | | | | | | |
| 738 | <i>B. varium</i> Pfeiffer | | | | | Chesapeake. |
| Genus CERITHIUM Bruguière. | | | | | | |
| 739 | <i>C. floridanum</i> Mörch | | | | | Hatteras |
| 740 | <i>C. algicola</i> C. B. Adams | | | | | Tampa |
| 741 | <i>C. uncinatum</i> (Gmel.) Tryon | | | | | Key Largo .. |
| 742 | <i>C. eburneum</i> Bruguière | | | | | Key West ... |
| 743 | <i>C. literatum</i> Born | | | | | Jupiter Inlet |
| 744 | var. <i>semiferrugineum</i> Lamarck .. | | | | | St. Augustine |
| 745 | <i>C. muscarum</i> Say | | | | | Jupiter Inlet |
| 746 | <i>C. variabile</i> C. B. Adams | | | | | Tampa |
| 747 | <i>C. minimum</i> Gmelin | | | | | Tampa |
| 748 | var. <i>nigrescens</i> Menke | | | | | Tampa |
| Genus CERITHIDEA Swainson. | | | | | | |
| 749 | <i>C. costata</i> Wood | | | | | Tampa |
| 750 | <i>C. scalariformis</i> Say | | | | | Georgia |
| 751 | <i>C. varicosa</i> Sowerby | | | | | Texas |
| 752 | <i>C. turrita</i> Stearns | | | | | Cedar Keys.. |
| Family PLANAXIDÆ. | | | | | | |
| Genus PLANAXIS Lamarck. | | | | | | |
| 753 | <i>P. nucleus</i> Wood | | | | | Tortugas |
| 754 | <i>P. lineatus</i> Da Costa | | | | | Key West ... |

TABLE V. E.—List of Gastropoda—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber- mu- da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|--------------------|------|----------|-------------------------|----------------|
| --- | --- | * | ?† | --- | --- | --- | --- | † | --- | † | --- | Barbados | |
| --- | --- | * | --- | --- | *† | --- | --- | † | --- | * | --- | Key West | |
| --- | --- | †* | --- | --- | --- | --- | --- | --- | --- | --- | --- | Cape Fear | |
| * | --- | * | --- | --- | --- | * | * | * | --- | --- | --- | Grenada | |
| --- | --- | † | † | --- | --- | --- | --- | --- | --- | --- | --- | Fernandina | |
| * | ? | *? | --- | --- | --- | --- | --- | --- | --- | --- | --- | C. Lookout | |
| --- | --- | * | --- | --- | * | * | --- | * | --- | --- | --- | Haiti | |
| --- | --- | * | --- | --- | --- | --- | --- | * | --- | --- | --- | Haiti | |
| --- | * | * | --- | --- | * | * | * | * | --- | --- | --- | St. Thomas | |
| --- | --- | * | --- | --- | * | * | --- | * | --- | --- | --- | Cuba | Pliocene. |
| --- | --- | --- | --- | --- | * | * | --- | * | * | --- | --- | Jamaica | |
| --- | --- | --- | --- | --- | * | * | --- | * | --- | --- | --- | Jamaica | |
| --- | --- | --- | --- | --- | * | * | --- | * | --- | --- | --- | Swan Islands | |
| --- | --- | --- | --- | * | * | * | --- | * | * | --- | --- | Swan Islands | |
| --- | --- | --- | * | --- | * | * | --- | * | --- | --- | --- | Santa Cruz | |
| --- | --- | --- | --- | * | * | * | --- | * | * | --- | --- | Jamaica | |
| --- | --- | --- | --- | --- | * | * | --- | * | * | --- | --- | Curaçoa | |
| --- | --- | --- | --- | --- | * | * | --- | * | * | --- | --- | Guadalupe | |
| --- | --- | --- | --- | --- | * | * | --- | * | * | --- | --- | Venezuela | |
| --- | --- | --- | --- | --- | * | * | --- | † | --- | --- | --- | Jamaica | |
| --- | --- | --- | * | * | * | * | * | --- | --- | --- | --- | Key West | |
| --- | --- | --- | --- | --- | ? | * | * | * | --- | --- | --- | Jamaica | |
| --- | --- | --- | --- | --- | * | * | --- | * | --- | --- | --- | Bahamas | |
| --- | --- | --- | --- | --- | * | --- | --- | * | * | --- | --- | Darien | |
| --- | --- | --- | --- | --- | * | --- | --- | * | --- | --- | --- | Barbados | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|--------------------------------------|--|-------|--------|--------------|--------------------|-------------------------|
| Family MODULIDÆ. | | | | | | |
| Genus MODULUS Gray. | | | | | | |
| 755 | <i>M. modulus</i> Linné..... | ..... | ..... | ..... | ..... | Hatteras |
| 756 | var. <i>floridanus</i> Conrad..... | ..... | ..... | ..... | ..... | Florida Keys..... |
| 757 | var. <i>catenulatus</i> Philippi ..... | ..... | ..... | ..... | ..... | Florida Keys..... |
| Family TRICHOTROPIDÆ. | | | | | | |
| Genus TRICHOTROPIS Sowerby. | | | | | | |
| Subgenus <i>Mesostoma</i> Deshayes. | | | | | | |
| 758 | <i>M. migrans</i> Dall. | 29 | 8 | 9.25 | 80 | Florida Str.. |
| Subgenus <i>Dolophanes</i> Gabb. | | | | | | |
| 759 | <i>D. Gabbi</i> Dall..... | 29 | 7 | 9.0 | 785 | ..... |
| 760 | <i>D. columbella</i> Dall ..... | ..... | ..... | ..... | ..... | Gulf of Mex .. |
| Family CÆCIDÆ. | | | | | | |
| Genus CÆCUM Fleming. | | | | | | |
| 761 | <i>C. floridanum</i> Stimpson..... | ..... | ..... | ..... | $\frac{2}{13}$ | Hatteras |
| 762 | <i>C. pulebellum</i> Stimpson | 50 | 22 | ..... | $\frac{1}{52}$ | Cape Cod ... |
| 763 | <i>C. instructum</i> De Folin..... | ..... | ..... | ..... | ..... | Hatteras |
| 764 | <i>C. bipartitum</i> De Folin ..... | ..... | ..... | ..... | ..... | Hatteras |
| 765 | <i>C. ———</i>..... | ..... | ..... | ..... | ..... | Florida Keys..... |
| 766 | <i>C. Cooperi</i> Smith | 43 | 8 | ..... | ..... | Cape Cod..... |
| 767 | <i>C. decussatum</i> De Folin..... | ..... | ..... | ..... | ..... | Key Largo .. |
| 768 | <i>C. carolinianum</i> Dall ..... | ..... | ..... | ..... | $\frac{2}{63}$ | Hatteras |
| 769 | <i>C. ———</i>..... | ..... | ..... | ..... | ..... | Tampa |
| 770 | <i>C. glabrum</i> Montagu ..... | ..... | ..... | ..... | ..... | Cape Fear..... |
| Subgenus <i>Meioceras</i> Carpenter. | | | | | | |
| 771 | <i>M. Deshayesii</i> De Folin ..... | ..... | ..... | ..... | ..... | Tampa |
| 772 | <i>M. nitidum</i> Stimpson..... | ..... | ..... | ..... | ..... | Tampa |
| 773 | <i>M. undulosum</i> De Folin..... | ..... | ..... | ..... | ..... | Charlotte H .. |
| Family SEGUENZIIDÆ. | | | | | | |
| Genus SEGUENZIA Jeffreys. | | | | | | |
| 774 | <i>S. monocingulata</i> Seguenza | 62 | 88, 89 | 5.0 | $\frac{100}{2033}$ | Gulf of Maine |
| 775 | <i>S. trispinosa</i> Watson..... | ..... | ..... | 3.5 | $\frac{294}{675}$ | Hatteras |
| 776 | <i>S. ionica</i> Watson ..... | ..... | ..... | 4.5 | $\frac{320}{1563}$ | Gulf of Mex .. |
| 777 | <i>S. ———</i>..... | ..... | ..... | ..... | $\frac{323}{603}$ | Gulf of Mex .. |
| 778 | <i>S. carinata</i> Watson ..... | ..... | ..... | 4.0 | $\frac{675}{1125}$ | N. Atlantic .. |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber- mu- da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|--------------------|------|----------|-------------------------|------------------------|
| | | * | | * | * | | | * | * | | | Carthagena | Pliocene. Pliocene. |
| | | | | | * | | | * | * | | | St. Thomas | |
| | | | | | * | | | * | * | | | St. Thomas | |
| | | | | | † | | | † | | | | Havana | |
| | | | | | | | | † | | | | St. Vincent | Miocene. |
| | | | | | † | | | † | | | | Havana | Miocene. |
| | | * | | | * | * | | * | | | | Brazil | Pliocene. |
| * | | * | | | * | | | | | | | Tortugas | |
| | | * | | | | * | | | | | | Tampa | Pliocene. |
| | | * | | | | * | | | | | | Key West | |
| * | | * | | | | | | * | | | | Jamaica | Pliocene. |
| | | | | | * | | | * | | | | Bahamas | |
| | | † | | | * | * | | | | | | Tortugas | |
| | | | | | | * | | | | | | Tampa | |
| | | * | | | | * | | | | * | | Tampa | Pliocene. |
| | | | | | * | * | | * | | | | Jamaica | |
| | | | | | * | * | | * | | | | Jamaica | |
| | | | | | | * | | * | | | | Jamaica | Pliocene. |
| † | | † | | † | | † | † | † | | | | Brazil | Miocene. |
| | | † | † | | | | † | † | | | | Brazil | |
| | | | | | † | | | † | | † | | Culebra | |
| | | | | | | † | | † | | | | Old Provid'ce | |
| | | | | † | | | | † | | † | | Brazil | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|-----------------------------|------------------------------------|-------|-------|--------------|-------------------|-------------------------|
| Family VERMETIDÆ. | | | | | | |
| Genus SILIQUARIA Bruguière. | | | | | | |
| 779 | <i>S. squamata</i> Blainville..... | ----- | ----- | ----- | $\frac{2}{163}$ | Sarasota |
| 780 | <i>S. modesta</i> Dall..... | 26 | 4 | 26, 0 | $\frac{94}{805}$ | Cedar Keys.. |
| Genus VERMICULARIA Lamarck. | | | | | | |
| 781 | <i>V. spirata</i> Philippi..... | 51 | 4 | ----- | $\frac{3}{175}$ | N. England.. |
| 782 | <i>V. ? nigricans</i> Dall..... | ----- | ----- | ----- | $\frac{2}{14}$ | Gulf of Mex.. |
| Genus SIPHONIUM Mörch. | | | | | | |
| 783 | <i>S. nebulosum</i> Dillwyn..... | ----- | ----- | ----- | ----- | St. Augustine |
| Genus VERMETUS Mörch. | | | | | | |
| Subgenus Petaloconchus Lea. | | | | | | |
| 784 | <i>P. erectus</i> Dall..... | 38 | 4 | 25. 0 | $\frac{37}{805}$ | Gulf of Mex.. |
| 785 | <i>P. irregularis</i> Orbigny..... | ----- | ----- | ----- | ----- | Cedar Keys.. |
| Genus BIVONIA Gray. | | | | | | |
| 786 | <i>B. exserta</i> Dall..... | 26 | 6 | 11. 0 | $\frac{31}{1002}$ | C. Lookout.. |
| Family TURRITELLIDÆ. | | | | | | |
| Genus TURRITELLA Lamarck | | | | | | |
| Section HAUSTATOR Montfort. | | | | | | |
| 787 | <i>T. variegata</i> Linné..... | ----- | ----- | ----- | ----- | Texas..... |
| 788 | <i>T. yucatecana</i> Dall..... | 26 | 3 | 16. 5 | 640 | Gulf of Mex.. |
| Section TORCULA Gray. | | | | | | |
| 789 | <i>T. exoleta</i> Linné..... | ----- | ----- | ----- | $\frac{45}{170}$ | Cape Florida |
| 790 | <i>T. ———</i> | ----- | ----- | ----- | $\frac{40}{0}$ | Hatteras.... |
| 791 | <i>T. acropora</i> Dall..... | ----- | ----- | ----- | $\frac{3}{413}$ | Hatteras.... |
| Family MATHILDIIDÆ. | | | | | | |
| Genus MATHILDA Semper. | | | | | | |
| 792 | <i>M. yucatecana</i> Dall..... | 20 | 7 | 8. 0 | $\frac{204}{610}$ | Savannah... |
| 793 | <i>M. barbadensis</i> Dall..... | 26 | 10 | 6. 2 | 100 | ----- |
| 794 | <i>M. Rushii</i> Dall..... | ----- | ----- | 5. 0 | $\frac{204}{465}$ | Fernandina.. |
| 795 | <i>M. scitula</i> Dall..... | ----- | ----- | 5. 25 | $\frac{49}{294}$ | Hatteras.... |
| Subgenus Geganina Jeffreys. | | | | | | |
| 796 | <i>G. Jeffreysi</i> Dall..... | ----- | ----- | ----- | 294 | Fernandina.. |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | | | | * | * | | * | * | | | Barbados... | |
| | | | | | † | † | | † | | | | Curaçoa... | |
| | * | * | * | * | * | * | * | * | * | | | Santa Cruz.. | |
| | | | | | * | * | * | * | | | | Florida Str.. | |
| | | | | * | * | * | | * | | | | Tortola | |
| | | | | | † | † | | † | | | | Barbados... | |
| | | | | | * | * | | * | | | | Guadalupe .. | |
| | | * | | | † | † | † | * | | | | Barbados... | |
| | | | | | | | * | * | | | | Carthagena . | |
| | | | | | | | † | † | | | | Yucatan..... | |
| | | | | | † | † | * | † | | | | Barbados... | Pliocene. |
| | | †* | | | | | * | | | | | Texas | |
| | | *† | | | * | *† | | † | | | | Grenada..... | Pliocene. |
| | | | † | | | | † | † | | | | Yucatan..... | |
| | | | | | | | | † | | | ? | Barbados... | |
| | | | † | † | | | | | | | | Florida Str.. | |
| | | † | † | | | | | | | | | Fernandina.. | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|-------------------------------|---|-------|-------|--------------|--------------------|-------------------------|
| Family LITORINIDÆ. | | | | | | |
| Genus LITORINA Pérussac. | | | | | | |
| Section MELARAPHE Muhlfeldt. | | | | | | |
| 797 | <i>L. ziczac</i> Dillwyn | ----- | ----- | ----- | ----- | Florida Keys |
| 798 | var. <i>lineata</i> Philippi | ----- | ----- | ----- | ----- | Jupiter Inlet. |
| 799 | <i>L. angulifera</i> Lamarek | ----- | ----- | ----- | ----- | Jupiter Inlet. |
| Section LITORINA s. s. | | | | | | |
| 800 | <i>L. guttata</i> Philippi | ----- | ----- | ----- | ----- | Tortugas ... |
| 801 | <i>L. mespilum</i> Menke | ----- | ----- | ----- | ----- | Texas |
| 802 | <i>L. irrorata</i> Say | 69 | 6 | ----- | ----- | Rhode Island |
| 803 | <i>L. rudis</i> Donovan | 51 | 6 | }----- | }----- | Arctic Ocean. |
| | | 69 | 3 | | | |
| 804 | <i>L. palliata</i> Say | 51 | 5 | ----- | ----- | Nova Scotia . |
| Genus LACUNA Turton. | | | | | | |
| 805 | <i>L. vineta</i> Turton | 52 | 19 | ----- | ----- | Arctic Ocean. |
| Subgenus Cithna A. Adams. | | | | | | |
| 806 | <i>C. tenella</i> Jeffreys | ----- | ----- | ----- | $\frac{114}{2050}$ | N. Atlantic.. |
| Genus TECTARIUS Valenciennes. | | | | | | |
| 807 | <i>T. muricatus</i> Linné | ----- | ----- | ----- | ----- | Jupiter Inlet. |
| Genus ECHINELLA Swainson. | | | | | | |
| 808 | <i>E. nodulosa</i> Pfeiffer | ----- | ----- | ----- | ----- | C. Lookout.. |
| Family FOSSARIDÆ. | | | | | | |
| Genus FOSSARUS Philippi. | | | | | | |
| 809 | <i>F. elegans</i> Verrill | 62 | 87 | ----- | $\frac{100}{142}$ | Rhode Island |
| Subgenus Gottoina Adams. | | | | | | |
| 810 | <i>G. bella</i> Dall | 28 | 10 | 3.55 | $\frac{15}{107}$ | Hatteras ... |
| 811 | <i>G. compacta</i> Dall | 28 | 6 | 2.33 | $\frac{49}{107}$ | Hatteras ... |
| Subgenus Isapis Carpenter. | | | | | | |
| 812 | <i>I. anomala</i> C. B. Adams | ----- | ----- | ----- | 294 | Fernandina . |
| Family LITIOPIDÆ. | | | | | | |
| Genus ALABA A. Adams. | | | | | | |
| 813 | <i>A. tervaricosa</i> C. B. Adams | ----- | ----- | ----- | ----- | Tampa |
| 814 | <i>A. conoidea</i> Dall | ----- | ----- | ----- | $\frac{300}{294}$ | Fernandina . |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | | | | * | | * | * | * | | | Barbados... | |
| | | | | * | * | | | * | | | | Guadalupe .. | |
| | | | | * | * | * | * | * | * | | | Carthagena .. | |
| | | | | | * | | | * | | | | St. Thomas .. | |
| | | | | | | | * | * | | | | Barbados... | |
| * | | * | * | * | | * | * | * | | | | Jamaica..... | |
| * | | | | | | | | | | * | * | New Jersey.. | P. Pliocene. |
| * | | | | | | | | | | | | New Jersey.. | P. Pliocene. |
| * | | | | | | | | | | * | * | New Jersey.. | P. Pliocene. |
| * | | | † | † | | | | | | † | * | Brazil..... | Pliocene. |
| | | | | * | * | * | | * | * | | | Aspinwall... | |
| | | * | | * | * | | * | * | * | | | Barbados.... | |
| † | † | † | | | | | | | | | | Cape Fear... | |
| | | † | | | * | | | | | | | Florida Keys. | |
| | | † | | | † | | | † | | | | Cuba..... | |
| | | | ** | | | | | * | | | | Jamaica | * |
| | | | | * | * | | | * | | | | Haiti | |
| | | | † | | | | | † | | | | Campeche Bk | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|----------------------------------|--|-----|-------|--------------|--------------------|-------------------------|
| Genus LITIOPA Rang. | | | | | | |
| 815 | <i>L. bombyx</i> Kiener | | | | Pelagic. | Maine..... |
| Family SOLARIIDÆ. | | | | | | |
| Genus FLUXINA Dall. | | | | | | |
| 816 | <i>F. brunnea</i> Dall | 22 | 6, 6a | 10.7 | $\frac{80}{968}$ | Florida Str.. |
| 817 | <i>F. discula</i> Dall..... | 23 | 5, 6 | 3.0 | 982 | ..... |
| Genus SOLARIUM Lamarck. | | | | | | |
| 818 | <i>S. granulatum</i> Lamarck | | | | | Hatteras |
| 819 | <i>S. peracutum</i> Dall..... | 33 | 2, 5 | 6.0 | $\frac{73}{180}$ | ..... |
| 820 | <i>S. Sigsbeeii</i> Dall | 23 | 3, 3a | 2.3 | 310 | Florida Str.. |
| 821 | <i>S. bisulcatum</i> Orbigny..... | | | | $\frac{114}{193}$ | Hatteras |
| 822 | var. <i>boreale</i> Verrill..... | 62 | 95a | 12.0 | $\frac{24}{49}$ | Rhode Island |
| 823 | <i>S. Krebsii</i> Mörch | | | | 63 | Hatteras |
| Genus TORINIA Gray. | | | | | | |
| 824 | <i>T. canalifera</i> C. B. Adams | | | | | Gulf of Mex . |
| 825 | <i>T. cyclostoma</i> Menke | | | | | Key West ... |
| 826 | <i>T. cylindrica</i> Gmelin..... | | | | | Gulf of Mex . |
| Genus OMALAXIS Deshayes. | | | | | | |
| 827 | <i>O. nobilis</i> Verrill | 46 | 12 | 3.0 | $\frac{70}{292}$ | Chesapeake . |
| 828 | <i>O. lamellifera</i> Dall..... | | | | 205 | Florida Str.. |
| Family RISSOIDÆ. | | | | | | |
| Genus RISSOA Fréminville. | | | | | | |
| Section CINGULA. | | | | | | |
| 829 | <i>R. minuta</i> Totten | 52 | 17 | | $\frac{0}{13}$ | Nova Scotia . |
| Section ONOBA. | | | | | | |
| 830 | <i>R. aculeus</i> Gould | 52 | 12 | | $\frac{0}{349}$ | Arctic Sea... |
| 831 | <i>R. ———</i> | | | | | Marco..... |
| Section RISSOA s. s. | | | | | | |
| 832 | <i>R. Jan-Mayeni</i> Friele | 61 | 86 | | $\frac{100}{800}$ | Arctic Sea... |
| 833 | var. <i>brychia</i> Verrill..... | | | 2.3 | $\frac{100}{1290}$ | Rhode Island |
| 834 | <i>R. Sandersoni</i> Verrill | | | 4.0 | 142 | Hatteras |
| 835 | <i>R. castanea</i> Moller | | | | $\frac{0}{102}$ | Arctic Sea... |
| 836 | <i>R. pelagica</i> Stimpson | | | | $\frac{4}{355}$ | Arctic Sea... |
| 837 | <i>R. exarata</i> Stimpson | | | | $\frac{4}{107}$ | Nova Scotia . |
| 838 | <i>R. precipitata</i> Dall | 19 | 1 | 4.0 | $\frac{498}{610}$ | Gun Cay |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-------|-------|-------|-----------|------------|-----------|-------|-----------|------------|-------|----------|-------------------------|----------------|
| * | .. | * | * | * | * | | | * | | | | Brazil..... | P. Pliocene. |
| | | | | | † | | | † | | | | Jamaica | |
| | | | | | | | | † | | | | Dominica | |
| | | † | | | | | * | † | | | * | Sombrero | |
| | | | | | | | | † | | | | Barbados..... | |
| | | | | | † | | | † | | | | Cuba..... | |
| | | † | † | † | | | | * | | | | Martinique .. | |
| ?† | | †* | | † | | | | † | | | | Florida Str.. | |
| | | † | | | | | | * | | | | Porto Plata .. | |
| | | | | | | | * | * | | | | Guadelupe .. | |
| | | | | | | | | | | | | St. Thomas.. | |
| | | | | | | | * | | | | | St. Thomas.. | |
| | | | | | | | | | | | | Barbados.... | |
| | | | | | | | | | | | | Cuba | |
| | | | | | | | | | | | | | |
| * | | | | | | | | | | | | New Jersey.. | |
| | | | | | | | | | | | | | |
| * | | | | | | | | | | | | New York ... | |
| | | | | | | | * | | | | | Gulf of Mex. | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | Hatteras | |
| | | | | | | | | | | | | Barbados.... | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | Hatteras | |
| | | *† | † | † | | | | | | *† | | Florida Str.. | |
| | | | | | | | | | | | | Hatteras | P. Pliocene. |
| | | | | | | | | | | | | Yucatan | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|---------------------------------|--|-------|-------|--------------|--------------------|-------------------------|
| 839 | Rissoa ——— | ..... | ..... | ..... | 63 | Hatteras |
| 840 | <i>R. acuticostata</i> Dall | 19 | 10 | 3.7 | $\frac{32}{633}$ | Hatteras |
| 841 | <i>R. pyrrius</i> Watson ..... | ..... | ..... | 3.0 | $\frac{30}{780}$ | Florida Str .. |
| 842 | <i>R. xanthias</i> Watson ..... | ..... | ..... | 2.5 | $\frac{22}{390}$ | Florida Str .. |
| 843 | <i>R. syngenes</i> Verrill ..... | ..... | ..... | 3.0 | 142 | Hatteras |
| Genus BENTHONELLA Dall. | | | | | | |
| 844 | <i>B. gaza</i> Dall | 42 | 5 | 6.5 | $\frac{6}{463}$ | Fernandina.. |
| 845 | <i>B. Fischeri</i> Dall ..... | ..... | ..... | 5.3 | $\frac{94}{1060}$ | Cedar Keys.. |
| 846 | <i>B. nisonis</i> Dall ..... | ..... | ..... | 9.0 | 940 | Gulf of Mex. |
| Genus RISSOINA Orbigny. | | | | | | |
| 847 | <i>R. decussata</i> Montagu ..... | ..... | ..... | ..... | $\frac{2}{17}$ | Cape Fear... |
| 848 | <i>R. lævigata</i> C. B. Adams ..... | ..... | ..... | ..... | $\frac{0}{22}$ | C. Lookout.. |
| 849 | <i>R. bryerea</i> Montagu ..... | ..... | ..... | ..... | $\frac{0}{18}$ | Florida Keys |
| 850 | <i>R. Chesnelii</i> Michaud ..... | ..... | ..... | ..... | ..... | Hatteras |
| 851 | <i>R. multicostata</i> C. B. Adams ..... | ..... | ..... | ..... | ..... | Key Largo... |
| 852 | <i>R. Sagraiana</i> Orbigny ..... | ..... | ..... | ..... | ..... | Florida Str .. |
| 853 | <i>R. cancellata</i> Philippi ..... | ..... | ..... | ..... | ..... | Florida Keys |
| Family ADEORBIDÆ. | | | | | | |
| Genus SKENEIA Fleming. | | | | | | |
| 854 | <i>S. planorbis</i> Fabricius | 52 | 18 | ..... | ..... | Arctic Sea... |
| Genus ADEORBIS Wood. | | | | | | |
| 855 | <i>A. supranitidus</i> Wood | 41 | 7, 7a | ..... | $\frac{15}{23}$ | N. Atlantic .. |
| 856 | var. <i>Orbignyi</i> Fischer ..... | ..... | ..... | ..... | $\frac{10}{193}$ | Norway |
| 857 | <i>A. Beau</i> Fischer ..... | ..... | ..... | ..... | ..... | Florida Keys |
| 858 | <i>A.? olivaceus</i> Verrill | 44 | 5 | 4.0 | $\frac{103}{1290}$ | Gulf of Maine |
| Genus CLATHRELLA Recluz. | | | | | | |
| 859 | <i>C. naticoides</i> Dall ..... | ..... | ..... | ..... | 22 | Hatteras |
| Family AMPULLARIIDÆ. | | | | | | |
| Genus AMPULLARIA Lam. | | | | | | |
| 860 | <i>A. depressa</i> Say ..... | ..... | ..... | ..... | ..... | Georgia |
| 861 | <i>A. caliginosa</i> Reeve ..... | ..... | ..... | ..... | ..... | Florida |
| Family ASSIMINEIDÆ. | | | | | | |
| Genus ASSIMINEA Leach. | | | | | | |
| 862 | <i>A. Auberiana</i> Orbigny ..... | ..... | ..... | ..... | ..... | Cedar Keys.. |
| 863 | <i>A. concinna</i> C. B. Adams ..... | ..... | ..... | ..... | ..... | Key West ... |
| 864 | <i>A. ———</i> ..... | ..... | ..... | ..... | ..... | Tampa |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | † | | | | | | | | | | | |
| | | † | | | | *† | † | † | | | | Barbados | |
| | | | | | † | | | † | | | | Culebra | |
| | | | | | † | | | † | | | | Brazil | |
| | | † | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | † | † | | † | † | † | | | | Cuba | |
| | | | | | | † | † | † | | | | Cuba | |
| | | | | | | † | | | | | | Cedar Keys | |
| | | * | | | * | * | | * | | | | Haiti | Pliocene. |
| | | * | | | * | * | | * | | | | St. Thomas | Pliocene. |
| | | | | | * | * | | * | * | | | Barbados | |
| | | * | | | * | * | | * | | | | Guadalupe | Pliocene. |
| | | | | | * | * | | * | | | | Guadalupe | Pliocene. |
| | | | | | * | * | | * | | | | Martinique | |
| | | | | | * | * | | * | * | | | Haiti | |
| | | | | | | | | | | | | | |
| * | | * | | | * | * | | * | * | | | Charlotte H. | |
| | | * | | | * | * | | * | * | | | Cedar Keys | Pliocene. |
| | | * | | | * | * | | * | * | | | Guadalupe | Pliocene. |
| | | | | | * | * | | * | * | | | Guadalupe | |
| ?† | | | | | | | | | | | | Rhode Island | |
| | | * | | | | | | † | | | | Old Provid'ce | |
| | | | | | | | | | | | | | |
| | | | * | * | * | * | * | * | | | | Mexico | P. Pliocene. |
| | | | | | * | * | * | * | | | | Central Am. | |
| | | | | | * | * | | * | * | | | Cuba | |
| | | | | | * | * | | * | * | | | Haiti | |
| | | | | | * | * | | * | * | | | | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|------------------------------|-------------------------------------|------|--------|--------------|----------------------|-------------------------|
| Family TRUNCATELLIDÆ. | | | | | | |
| Genus TRUNCATELLA Risso. | | | | | | |
| 865 | <i>T. caribæënsis</i> Sowerby | | | | | Alabama |
| 866 | <i>T. bilabiata</i> Pfeiffer | | | | | Sarasota |
| 867 | <i>T. pulchella</i> Pfeiffer | | | | | Tampa |
| 868 | <i>T. subcylindrica</i> Gray | | | | | Tampa |
| Family ————— ? | | | | | | |
| Genus SEPARATISTA Gray. | | | | | | |
| Subgenus Haloceras Dall. | | | | | | |
| 869 | <i>H. cingulata</i> Verrill | | | | $\frac{0.06}{1.497}$ | Gulf of Maine |
| Family CHORISTIDÆ. | | | | | | |
| Genus CHORISTES Carpenter. | | | | | | |
| 870 | <i>C. elegans</i> Carpenter | 44 | 9a-b | | $\frac{1.43}{0.40}$ | Gulf of Me. ? |
| Family CALYPTRÆIDÆ. | | | | | | |
| Genus MITRULARIA Schumacher. | | | | | | |
| 871 | <i>M. equestris</i> Linné | | | | $\frac{1.5}{1.89}$ | Hatteras |
| Genus CRUCIBULUM Schumacher | | | | | | |
| 872 | <i>C. auricula</i> Gmelin | | | | $\frac{3.5}{1.11}$ | Cedar Keys .. |
| 873 | <i>C. striatum</i> Say | 50 | 27, 28 | | $\frac{2}{1.89}$ | Nova Scotia. |
| Genus CALYPTRÆA Lamarck. | | | | | | |
| 874 | <i>C. Candeanæ</i> Orbigny | | | | $\frac{6}{2}$ | Hatteras |
| Genus CREPIDULA Lamarck. | | | | | | |
| 875 | <i>C. fornicata</i> Linné | { 48 | { 16 | } | } | Pr. Ed. Isl'd .. |
| | | 50 | 23, 24 | | | |
| 876 | <i>C. convexa</i> Say | 50 | 25 | | $\frac{0}{2}$ | Nova Scotia. |
| Section JANACUS Mörch. | | | | | | |
| 877 | <i>C. plana</i> Say | { 48 | { 12 | } | } | Pr. Ed. Isl'd .. |
| | | 50 | 26 | | | |
| Section SANDALIUM Schum. | | | | | | |
| 878 | <i>C. aculeata</i> Gmelin | | | | $\frac{0}{25}$ | C. Lookout .. |
| Family CAPULIDÆ. | | | | | | |
| Genus CAPULUS Montfort. | | | | | | |
| 879 | <i>C. hungaricus</i> Linné | { 44 | { 6 | } | } | Iceland |
| | | 48 | 8 | | | |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| --- | --- | --- | --- | --- | * | * | ? | * | --- | --- | --- | Guadalupe | --- |
| --- | --- | --- | --- | --- | * | * | --- | * | --- | --- | --- | Honduras | --- |
| --- | --- | ? | * | * | * | * | * | * | --- | --- | --- | St. Thomas | --- |
| --- | --- | --- | --- | * | * | --- | --- | * | --- | --- | --- | St. Thomas | --- |
| † | † | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | Delaware B. | --- |
| †? | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | Rhode Island | P. Pliocene. |
| --- | --- | * | --- | *† | † | * | * | --- | --- | --- | --- | Barbados | Pliocene. |
| --- | --- | --- | --- | * | * | * | * | --- | --- | --- | --- | Barbados | Pliocene. |
| * | --- | * | --- | † | --- | --- | --- | ? | --- | --- | --- | Florida Keys. | Pliocene. |
| --- | --- | * | --- | * | * | * | --- | * | --- | --- | --- | Haiti | --- |
| * | * | * | * | * | * | * | * | * | --- | --- | --- | Carthagena | Miocene. |
| * | --- | * | * | * | --- | --- | --- | --- | --- | --- | --- | East Florida. | --- |
| * | * | * | * | * | * | * | * | * | * | ? | --- | Trinidad | Miocene. |
| --- | --- | * | * | * | * | * | * | * | --- | --- | --- | Barbados | Pliocene. |
| † | --- | † | --- | * | --- | --- | --- | * | † | --- | --- | Florida Keys. | Miocene. |

TABLE V. E.—List of Gastropoda—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|----------|---------------------------------------|-----|--------|--------------|--------------------|-------------------------|
| | Section KREBSIA Mörch. | | | | | |
| 880 | <i>Capulus intortus</i> Lamarck | | | | | Key West ... |
| | Section HYALORISIA Dall. | | | | | |
| 881 | <i>C. galea</i> Dall | 14 | 3 | 18.5 | 218 | Barbados.... |
| | Family AMALTHEIDÆ . | | | | | |
| | Genus AMALTHEA Schumacher. | | | | | |
| 882 | <i>A. benthophila</i> Dall | 14 | 1a, b | 8.0 | $\frac{5.0}{373}$ | Sand Key.... |
| 883 | <i>A. antiquata</i> Linné | | | | | Turtle Harb. |
| 884 | <i>A. subrufa</i> Lamarck | | | | | Key West ... |
| | Family XENOPHORIDÆ . | | | | | |
| | Genus XENOPHORA Fischer. | | | | | |
| 885 | <i>X. conchyliophora</i> Born | | | | $\frac{1.4}{250}$ | Hatteras ... |
| 886 | <i>X. caribæa</i> Petit | | | | $\frac{1.4}{274}$ | Hatteras ... |
| | Family NATICIDÆ . | | | | | |
| | Genus NATICA Lamarck. | | | | | |
| 887 | <i>N. maroccana</i> Dillwyn | | | | | Hatteras ... |
| 888 | <i>N. livida</i> Pfeiffer | | | | | Hatteras ... |
| 889 | <i>N. canrena</i> Lamarck | | | | | Hatteras ... |
| 890 | <i>N. castrensis</i> Dall | | | 12.5 | $\frac{37}{100}$ | Key West ... |
| 891 | <i>N. perlineata</i> Dall | | | 18.5 | $\frac{7.0}{225}$ | Gulf of Mex. |
| 892 | <i>N. pusilla</i> Say | 50 | 21 | | $\frac{1}{25}$ | Massachus'ts |
| | Subgenus Neverita Risso. | | | | | |
| 893 | <i>N. duplicata</i> Say | 51 | 12 | | | Mass. Bay... |
| 894 | <i>N. nubila</i> Dall | | | 13.0 | $\frac{1.0}{200}$ | Gulf of Mex. |
| | Subgenus Lunatia Gray. | | | | | |
| 895 | <i>L. heros</i> Say | 51 | 1, 11 | | $\frac{0}{233}$ | Labrador... |
| 896 | var. <i>triseriata</i> Say | 50 | 18, 19 | | $\frac{0}{63}$ | Labrador... |
| 897 | <i>L. grœnlandica</i> Möller | | | | | Arctic Sea... |
| 898 | <i>L. tenuis</i> Recluz | | | | $\frac{8.4}{640}$ | Cape Fear... |
| 899 | <i>L. levicula</i> Verrill | 44 | 3 | 40.0 | $\frac{2.0}{100}$ | Gulf of Maine |
| 900 | <i>L. semisulcata</i> Gray | | | | | Jupiter Inlet |
| 901 | <i>L. immaculata</i> Totten | 50 | 20 | | $\frac{0}{30}$ | Nova Scotia. |
| 902 | <i>L. leptalea</i> Watson | | | | $\frac{45.0}{640}$ | Fernandina . |
| 903 | <i>L. fringilla</i> Dall | 21 | 12 | 5.75 | $\frac{3.32}{640}$ | Gulf of Mex. |
| 904 | var. <i>perla</i> Dall | 21 | 11 | 6.5 | $\frac{2.94}{424}$ | Fernandina . |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|-----|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | | | | * | † | | * | | | | Barbados... | |
| | | | | | | | | † | | | | | |
| | | | | | † | | | † | | | | St. Vincent.. | |
| | | | | | * | | | * | | | | Aspinwall. | |
| | | | | | * | | | * | | | | Barbados... | |
| | | * | | | *† | † | | † | * | | | Guadalupe .. | Eocene. |
| | | * | | | † | † | | † | | | | Barbados... | |
| | | † | | | | † | | † | * | * | | Barbados | Eocene. |
| | | † | | | † | † | | † | | | | Barbados | |
| | | * | | * | * | * | * | * | * | | | Carthagera .. | Pliocene. |
| | | | | | † | | | † | | | | Barbados | |
| | | | | | † | | | † | | | | Barbados..... | |
| * | | * | * | * | * | * | | | | | | Florida Keys | |
| * | * | * | * | * | * | * | * | | | | | Vera Cruz ... | Miocene. |
| | | | | | † | | | † | | | | Barbados.... | |
| * | * | * | ? | | | | | | | | | Hog Isl'd, Va. | Miocene. |
| * | | † | | | | | | | | | | Hatteras ... | Miocene. |
| * | | * | | | | | | | | | | Hatteras ... | |
| | | † | | | † | | † | † | | | | Cuba | |
| †? | | | | | | | | | | | | Rhode Island | |
| | | | | * | | * | | * | | | | Porto Rico .. | |
| | | * | | | | | | | | | | Hatteras ... | |
| | | | † | † | † | | † | † | | | | Sombrero ... | |
| | | | | | | | | † | | | | Old Provid'ce | |
| | | | † | | | | | † | ? | | | St. Vincent.. | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|----------|--|-----|-------|--------------|-------------------|-------------------------|
| | Subgenus <i>Polynices</i> Montfort. | | | | | |
| 905 | <i>P. uberina</i> Orbigny | | | | $\frac{1}{70}$ | Hatteras |
| 906 | <i>P. lactea</i> Guilding..... | | | | | Florida Keys. |
| 907 | <i>P. brunnea</i> Link | | | | | Tortugas |
| | Genus <i>SIGARETUS</i> Lamarck. | | | | | |
| 908 | <i>S. perspectivus</i> Say | | | | | New York ... |
| 909 | <i>S. maculatus</i> Say | | | | | Hatteras ... |
| 910 | <i>S. minor</i> Dall | | | 4.0 | $\frac{5}{34}$ | Cape Florida |
| | Subgenus <i>Eunaticina</i> Fischer. | | | | | |
| 911 | <i>E. carolinensis</i> Dall | | | 5.5 | $\frac{63}{124}$ | Hatteras |
| | Genus <i>GYRODES</i> Conrad. | | | | | |
| 912 | <i>G. depressa</i> Seguenza..... | | | | $\frac{15}{1380}$ | N. Atlantic.. |
| | Family LAMELLARIIDÆ. | | | | | |
| | Genus <i>LAMELLARIA</i> Montagu. | | | | | |
| 913 | <i>L. Rangii</i> Bergh | | | | | Gulf of Mex .. |
| 914 | <i>L. pellucida</i> Verrill..... | 72 | 5 | | $\frac{26}{787}$ | Rhode Island |
| | Genus <i>MARSENINA</i> Gray. | | | | | |
| 915 | <i>M. ampla</i> Verrill | | | | | Eastport |
| | Superfamily <i>DOCOGLOSSA</i> . | | | | | |
| | Family <i>ACMÆIDÆ</i> . | | | | | |
| | Genus <i>ACMÆA</i> Eschscholtz. | | | | | |
| 916 | <i>A. Candeara</i> Orbigny | | | | | Florida Str.. |
| 917 | <i>A. punctulata</i> Gmelin | | | | | Florida Keys. |
| 918 | var. <i>pulcherrima</i> Guilding | | | | | Key West ... |
| 919 | <i>A. melanoleuca</i> Gmelin | | | | | Charlotte H. |
| 920 | <i>A. testudinalis</i> Linné..... | 51 | 2, 3 | 40.0 | $\frac{0}{0}$ | Arctic Sea... |
| 921 | var. <i>alveus</i> Couthouy..... | 51 | 7, 8 | | $\frac{0}{0}$ | Arctic Sea... |
| | Genus <i>PECTINODONTA</i> Dall. | | | | | |
| 922 | <i>P. arcuata</i> Dall | 25 | 3a, b | 5.0 | $\frac{226}{883}$ | Haiti |
| | Family LEPETIDÆ ? | | | | | |
| | Genus <i>PROFILIDIUM</i> F. & H. | | | | | |
| 923 | <i>P. ? elegans</i> Verrill | | | 3.5 | 1395 | Chesapeake : |
| 924 | <i>P. ? pertenuis</i> Jeffreys | | | | 640 | Rhode Island |
| 925 | <i>P. ancyloide</i> F. & H..... | 31 | 2b, c | | | Norway |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber- mu- da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|--------------------|------|----------|-------------------------|----------------|
| | | †* | | | * | * | | † | | | | Sombrero.... | |
| | | | | | * | ? | * | * | * | | | Brazil..... | |
| | | | | | * | | * | * | | | | Trinidad ... | |
| * | * | * | | * | * | * | * | * | | | | Martinique .. | |
| | | * | | | * | * | | * | | | | Guadalupe .. | |
| | | | | | † | † | | † | | | | Sombrero ... | |
| | | † | | | | | | | | | | | |
| | | *† | | | | | | | | * | | C. Lookout.. | Pliocene. |
| | | | | | | | * | | | | | | |
| † | † | * | | | | | | | | | | Hatteras ... | |
| | | | | | | * | | | | | | Sarasota ... | |
| | | | | | * | | * | * | | | | Barbados.... | |
| | | | | | * | | | * | | | | Barbados.... | |
| | | | | * | * | | | * | | | | Cuba..... | |
| | | | | * | * | | | * | | | | St. Thomas .. | |
| * | | | | | | | | | * | * | | New York... | P. Pliocene. |
| * | | | | | | | | | | * | | New York... | P. Pliocene. |
| | | | | | | | | † | | | | St. Lucia ... | |
| † | † | | | | | | | | | | | Virginia ... | |
| ?† | | | | | | | | | | | | | |
| | | | | | | | | | | † | | | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. | | | | | |
|----------|---|----------------|---------------------------|--------------|--------------------|-------------------------|--|--|-----|----|--------------|
| | Genus LEPETELLA Verrill. | | | | | | | | | | |
| 926 | <i>L. tubicola</i> Verrill | 25 | 6 | 3.75 | $\frac{130}{547}$ | Rhode Island | | | | | |
| | <i>Superfamily RHIPIDOGLOSSA.</i> | | | | | | | | | | |
| | Family SCUTELLINIDÆ. | | | | | | | | | | |
| | Genus SCUTELLINA Gray. | | | | | | | | | | |
| 927 | <i>S. antillarum</i> Shuttleworth | 31 | 10, 11 | ..... | ..... | Key West ... | | | | | |
| | Family ADDISONIIDÆ. | | | | | | | | | | |
| | Genus ADDISONIA Dall. | | | | | | | | | | |
| 928 | <i>A. paradoxa</i> Dall..... | 25 44 63 | 1, a-e 10, 11a 100a | 12.0 | $\frac{50}{640}$ | Rhode Island | | | | | |
| | Family COCCULINIDÆ. | | | | | | | | | | |
| | Genus COCCULINA Dall. | | | | | | | | | | |
| 929 | <i>C. Rathbuni</i> Dall..... | 25 | 5, 7, 7a | 13.0 | $\frac{100}{618}$ | Rhode Island | | | | | |
| 930 | <i>C. Dalli</i> Verrill..... | | | 6.0 | 317 | Delaware ... | | | | | |
| 931 | <i>C. Beanii</i> Dall..... | 25 44 | 2, 4, 8 12 | 8.0 | $\frac{100}{803}$ | Rhode Island | | | | | |
| 932 | <i>C. reticulata</i> Verrill | | | | | | | | 2.6 | 70 | Chesapeake . |
| 933 | <i>C. spinigera</i> Jeffreys | 31 | 7, 8, 9 | 2.0 | $\frac{325}{413}$ | N. Atlantic.. | | | | | |
| 934 | <i>C. leptalea</i> Verrill | 63 | 101 | 4.0 | $\frac{294}{2033}$ | Rhode Island | | | | | |
| | Family PHASIANELLIDÆ. | | | | | | | | | | |
| | Genus PHASIANELLA Lamarck. | | | | | | | | | | |
| 935 | <i>P. brevis</i> Orbigny | 19 | 10b | 2.0 | $\frac{15}{287}$ | Hatteras | | | | | |
| 936 | <i>P. umbilicata</i> Orbigny..... | | | | $\frac{2}{15}$ | C. Lookout.. | | | | | |
| 937 | <i>P. pulchella</i> C. B. Adams | | | | | Cedar Keys.. | | | | | |
| | Family TURBINIDÆ. | | | | | | | | | | |
| | Genus TURBO Linné. | | | | | | | | | | |
| 938 | <i>T. Spenglerianus</i> Chemnitz | | | | | Florida Str.. | | | | | |
| 939 | <i>T. filusus</i> Kiener | | | | | Tortugas | | | | | |
| 940 | <i>T. castaneus</i> Gmelin..... | | | | $\frac{25}{293}$ | Hatteras | | | | | |
| 941 | <i>T. crenulatus</i> Gmelin | | | | $\frac{2}{30}$ | Hatteras | | | | | |
| | Genus ASTRALIUM Link. | | | | | | | | | | |
| 942 | <i>A. cælatum</i> Gmelin..... | | | | | Key West ... | | | | | |
| 943 | <i>A. imbricatum</i> Gmelin..... | | | | | Florida Keys | | | | | |
| 944 | <i>A. tuber</i> Linné | | | | | Jupiter Inlet | | | | | |
| 945 | <i>A. longispinum</i> Lamarck..... | | | | | Florida Keys | | | | | |
| 946 | <i>A. brevispinum</i> Lamarck | | | | | Florida Keys | | | | | |
| 947 | <i>A. americanum</i> Gmelin | | | | | Florida Keys | | | | | |

TABLE V. E.—*List of Gastropoda*—Continued.

| N.J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| † | † | --- | † | --- | --- | † | --- | --- | --- | † | --- | Cedar Keys.. | |
| --- | --- | --- | --- | --- | * | --- | --- | * | --- | --- | --- | St. Thomas.. | |
| † | † | --- | --- | --- | --- | --- | --- | --- | --- | †† | --- | Chesapeake . | |
| †† | --- | --- | --- | --- | --- | --- | --- | † | --- | --- | --- | Barbados.... | |
| † | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | Barbados.... | |
| † | † | * | --- | --- | --- | --- | --- | --- | --- | --- | --- | Hatteras | |
| --- | --- | † | --- | --- | --- | --- | --- | --- | --- | † | --- | Hatteras | |
| † | † | † | † | --- | --- | --- | --- | --- | --- | --- | --- | Fernandina . | |
| --- | --- | †* | --- | --- | † | --- | --- | † | --- | --- | --- | Martinique.. | |
| --- | --- | * | --- | --- | * | --- | --- | * | * | --- | --- | Guadalupe .. | |
| --- | --- | --- | --- | --- | * | * | --- | * | * | --- | --- | St. Thomas.. | |
| --- | --- | --- | --- | ? | --- | --- | --- | * | --- | --- | --- | Guadalupe .. | |
| --- | --- | --- | --- | --- | * | --- | --- | --- | --- | --- | --- | Trinidad | |
| --- | --- | * | --- | * | * | * | --- | * | --- | --- | --- | Barbados.... | |
| --- | --- | --- | --- | --- | * | --- | --- | * | --- | --- | --- | Tortola..... | |
| --- | --- | --- | --- | --- | * | --- | --- | * | --- | --- | --- | St. Lucia.... | |
| --- | --- | --- | * | --- | * | --- | --- | * | --- | --- | --- | Martinique .. | |
| --- | --- | --- | --- | --- | * | --- | --- | * | * | --- | --- | Barbados.... | |
| --- | --- | --- | --- | --- | * | --- | --- | * | --- | --- | --- | Aspinwall ... | |
| --- | --- | --- | --- | --- | * | --- | --- | * | --- | --- | --- | Carthagena.. | |

TABLE V. E.—List of Gastropoda—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|--|--|------------------|-------|--------------|-----------------------------|-------------------------|
| Genus LEPTOTHYRA Carpenter. | | | | | | |
| 948 | <i>L. induta</i> Watson | 38 | 6 | 7.0 | $\frac{15}{2805}$ | Hatteras |
| 949 | <i>L. Philipiana</i> Dall | 34 | 7, 7a | 3.5 | 133 | ..... |
| 950 | <i>L. Linnæi</i> Dall | 33 | 9 | 5.5 | $\frac{116}{805}$ | Florida Str.. |
| Family TROCHIDÆ. | | | | | | |
| Genus OMPHALIUS Philippi. | | | | | | |
| 951 | <i>O. excavatus</i> Lamarck ..... | ..... | ..... | ..... | ..... | Florida Str.. |
| 952 | <i>O. fasciatus</i> Born ..... | ..... | ..... | ..... | ..... | Texas |
| 953 | <i>O. indusii</i> Gmelin ..... | ..... | ..... | ..... | ..... | Key West ... |
| 954 | <i>O. Hotessierianus</i> Orbigny ..... | ..... | ..... | ..... | ..... | Florida Str.. |
| Genus LIVONA Gray. | | | | | | |
| 955 | <i>L. pica</i> Linné ..... | ..... | ..... | ..... | ..... | Charlotte H. |
| Genus GAZA Watson. | | | | | | |
| 956 | <i>G. superba</i> Dall | 22 | 4, 4a | 32.0 | $\frac{31\frac{1}{2}}{324}$ | Gulf of Mex. |
| 957 | <i>G. Fischeri</i> Dall | 37 | 6 | 16.0 | $\frac{43\frac{3}{4}}{640}$ | Gulf of Mex. |
| Subgenus Callogaza Dall. | | | | | | |
| 958 | <i>C. Watsoni</i> Dall | } 22 23 24 | 7, 7a | 7.75 | } $\frac{84}{640}$ | Gulf of Mex. |
| | | | 1, 1a | 8.0 | | |
| | | | 2, 2a | 6.0 | | |
| Genus MICROGAZA Dall. | | | | | | |
| 959 | <i>M. rotella</i> Dall | 22 | 5, 5a | 4.0 | $\frac{73}{805}$ | Hatteras |
| Genus UMBONIUM Link. | | | | | | |
| 960 | <i>U. Bairdii</i> Dall | 21 | 6, 6a | 4.0 | $\frac{200}{640}$ | Florida Keys |
| Genus TEINOSTOMA Adams. | | | | | | |
| 961 | <i>T. semistriata</i> Orbigny ..... | ..... | ..... | ..... | ..... | Key West ... |
| 962 | <i>T. cryptospira</i> Verrill ..... | ..... | ..... | 2.5 | $\frac{22}{142}$ | Hatteras |
| 963 | <i>T. ———</i> ..... | ..... | ..... | 3.5 | 294 | Fernandina . |
| Subgenus <i>Ethalia</i> H. & A. Adams. | | | | | | |
| 964 | <i>E. multistriata</i> Verrill ..... | ..... | ..... | 2.5 | $\frac{3}{142}$ | Hatteras |
| 965 | <i>E. solida</i> Dall | 28 | 3, 5 | 2.0 | 310 | Gulf of Mex. |
| 966 | <i>E. ———</i> ..... | ..... | ..... | ..... | $\frac{25}{294}$ | Fernandina . |
| 967 | <i>E. reclusa</i> Dall | 28 | 7, 8 | 1.0 | $\frac{12}{63}$ | Hatteras |
| 968 | <i>E. suppressa</i> Dall ..... | ..... | ..... | 0.75 | ..... | West Florida |
| Genus DILLWYNELLA Dall. | | | | | | |
| 969 | <i>D. modesta</i> Dall | 21 | 3, 3a | 3.0 | 226 | ..... |
| Genus DISCOPSIS De Folin. | | | | | | |
| 970 | <i>D. omalos</i> De Folin ..... | ..... | ..... | 0.2 | ..... | Fernandina . |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-------|-------|-------|-----------|------------|-----------|-------|-----------|------------|-------|----------|-------------------------|----------------|
| | | † | † | | *† | | † | † | | | | Martinique .. | |
| | | | | | | | | † | | | | Dominica ... | |
| | | | | | † | | | † | | | | Barbados.... | |
| | | | | | ? | | | * | | | | Guadalupe .. | |
| | | | | | * | | | | | | | Trinidad ... | |
| | | | | | * | | | | | | | Santa Cruz.. | |
| | | | | ? | *? | | | * | | | | Guadalupe .. | |
| | | | | | * | * | | * | * | | | Aspinwall... | |
| | | | | | | † | | † | | | | Barbados.... | |
| | | | | | | † | | † | | | | St. Lucia... | |
| | | | | | † | † | | † | | | | Barbados.... | |
| | | † | | | † | | | † | | | | Barbados.... | |
| | | | | | † | | | † | | | | Yucatan..... | |
| | | | | | * | | | * | | | | St. Thomas.. | |
| | | † | | | | | | | | | | | |
| | | | † | | | | | † | | | | Barbados.... | |
| | *† | | * | | | | | * | | | | Haiti | |
| | | | | | | † | | † | | | | Cuba..... | |
| | | | † | † | | | | | | | | S. E. Florida. | |
| | *† | | | | | | | | | | | Cape Fear... | |
| | | | | | | * | | | | | | Gulf of Mex.. | |
| | | | | | | | | † | | | | St. Lucia.... | |
| | | | *? | | | | | † | | | | Guadalupe .. | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon | Range in depth. | Northern extreme range. |
|-------------------------------------|------------------------------------|-------|--------|-------------|-------------------|-------------------------|
| Genus COCHLIOLEPIS Stimpson. | | | | | | |
| 971 | <i>C. parasitica</i> Stimpson..... | ..... | ..... | ..... | ..... | S. Carolina.. |
| 972 | <i>C. striata</i> Stimpson..... | ..... | ..... | 1.5 | ..... | Tampa..... |
| Genus CALLIOSTOMA Swainson. | | | | | | |
| 973 | <i>C. englyptum</i> A. Adams..... | ..... | ..... | ..... | $\frac{3}{32}$ | Hatteras.... |
| 974 | <i>C. Bairdii</i> V. & S..... | 63 | 96 | ..... | $\frac{56}{640}$ | Rhode Island |
| 975 | <i>C. aurora</i> Dall..... | 37 | 2 | 21.0 | $\frac{140}{170}$ | ..... |
| 976 | <i>C. circumcinctum</i> Dall..... | 22 | 3, 3a | 8.0 | $\frac{940}{940}$ | Gulf of Mex. |
| 977 | <i>C. echinatum</i> Dall..... | 21 | 2a, 5 | 5.25 | 80 | Gulf of Mex. |
| 978 | <i>C. sapidum</i> Dall..... | 21 | 2, 4 | 5.0 | 805 | Gulf of Mex. |
| 979 | <i>C. corbis</i> Dall..... | 33 | 1 | 5.0 | $\frac{220}{220}$ | Gulf of Mex. |
| 980 | <i>C. tiara</i> Watson..... | ..... | ..... | ..... | $\frac{220}{220}$ | Gulf of Mex. |
| 981 | <i>C. roseolum</i> Dall..... | 24 | 6, 6a | 9.5 | $\frac{21}{200}$ | Hatteras.... |
| 982 | <i>C. apicinum</i> Dall..... | 24 | 3, 3a | 7.5 | $\frac{73}{178}$ | Gulf of Mex. |
| 983 | <i>C. pulcher</i> C. B. Adams..... | ..... | ..... | ..... | $\frac{15}{63}$ | Hatteras.... |
| 984 | <i>C. orion</i> Dall..... | 28 | 2 | 4.5 | 80 | Florida Str.. |
| Section EUCASTA Dall. | | | | | | |
| 985 | <i>C. indiana</i> Dall..... | 32 | 3, 5 | 8.3 | 170 | ..... |
| Section EUTROCHUS A. Adams. | | | | | | |
| 986 | <i>C. jujubinum</i> Gmelin..... | ..... | ..... | ..... | ..... | Hatteras.... |
| 987 | var. <i>Tampaensis</i> Conrad..... | ..... | ..... | ..... | ..... | Hatteras.... |
| 988 | var. <i>Rawsoni</i> Dall..... | ..... | ..... | ..... | ..... | Cedar Keys.. |
| 989 | <i>C. yucatecanum</i> Dall..... | 24 | 4, 4a | 7.0 | $\frac{15}{32}$ | Cape Fear... |
| 990 | <i>C. Sayanum</i> Dall..... | 33 | 10, 11 | 37.0 | $\frac{107}{100}$ | Hatteras.... |
| 991 | <i>C. Benedicti</i> Dall..... | 32 | 7 | 14.0 | 200 | C. Lookout.. |
| 992 | <i>C. cinctellum</i> Dall..... | 32 | 1, 4 | 9.5 | 175 | Florida Str.. |
| Section DENTISTYLA Dall. | | | | | | |
| 993 | <i>C. asperillum</i> Dall..... | ..... | ..... | 7.5 | $\frac{100}{100}$ | Hatteras.... |
| 994 | var. <i>dentiferum</i> Dall..... | 23 | 7, 8 | 7.5 | 140 | ..... |
| 995 | <i>C. sericifilum</i> Dall..... | 24 | 1, 1a | 4.5 | 92 | ..... |
| Genus MARGARITA Leach. | | | | | | |
| 996 | <i>M. erythrocoma</i> Dall..... | 28 | 1 | 5.0 | $\frac{16}{84}$ | Florida Keys |
| Subgenus Turcicula Dall. | | | | | | |
| 997 | <i>T. imperialis</i> Dall..... | 22 | 1, 1a | 15.0 | $\frac{122}{100}$ | Florida Str.. |
| Subgenus Bathymophila Dall. | | | | | | |
| 998 | <i>B. euspira</i> Dall..... | 32 | 8 | 5.75 | $\frac{220}{200}$ | N. Atlantic.. |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|---------------|
| --- | --- | * | --- | --- | * | * | --- | --- | --- | --- | --- | Florida Keys | |
| --- | --- | --- | --- | --- | --- | * | --- | --- | --- | --- | --- | Gulf of Mex. | |
| --- | --- | * | * | * | * | * | * | --- | --- | --- | --- | Vera Cruz... | Pliocene. |
| † | † | *† | --- | † | † | --- | --- | † | --- | --- | --- | Florida Keys | |
| --- | --- | --- | --- | --- | --- | --- | --- | † | --- | --- | --- | Barbados.... | |
| --- | --- | --- | --- | --- | --- | --- | † | † | --- | --- | --- | Yucatan | |
| --- | --- | --- | --- | --- | --- | --- | --- | * | --- | --- | --- | Cuba..... | |
| --- | --- | --- | --- | --- | * | --- | --- | * | --- | --- | --- | Cuba | |
| --- | --- | --- | --- | † | † | † | † | † | --- | --- | --- | Jamaica | |
| --- | --- | --- | --- | † | --- | † | † | † | --- | --- | --- | Dominica ... | |
| --- | --- | † | --- | † | † | * | † | † | --- | --- | --- | Yucatan | |
| --- | --- | --- | --- | --- | † | --- | --- | † | --- | --- | --- | Barbados.... | |
| --- | --- | *† | --- | --- | * | --- | * | * | --- | --- | --- | St. Thomas.. | |
| --- | --- | --- | --- | --- | † | --- | --- | † | --- | --- | --- | Cuba..... | |
| --- | --- | --- | --- | --- | --- | --- | --- | † | --- | --- | --- | Grenada | |
| --- | --- | * | * | * | * | * | * | * | --- | --- | --- | Carthagena . | |
| --- | --- | * | * | * | * | * | * | * | --- | --- | --- | Honduras ... | |
| --- | --- | --- | --- | --- | --- | --- | --- | * | --- | --- | --- | Mauritius ... | |
| --- | --- | * | --- | --- | --- | * | --- | * | --- | --- | --- | Yucatan | |
| --- | --- | † | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| --- | --- | † | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| --- | --- | --- | --- | --- | † | --- | --- | † | --- | --- | --- | Cuba | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| --- | --- | † | --- | --- | † | † | --- | † | --- | --- | --- | Barbados.... | |
| --- | --- | --- | --- | --- | --- | --- | --- | † | --- | --- | --- | Barbados.... | |
| --- | --- | --- | --- | --- | --- | --- | --- | † | --- | --- | --- | Grenada | |
| --- | --- | --- | --- | --- | † | --- | --- | † | --- | --- | --- | Haiti | |
| --- | --- | --- | --- | --- | † | --- | --- | † | --- | --- | --- | Cuba..... | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| --- | --- | --- | --- | --- | † | --- | --- | † | --- | --- | --- | Culebra | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|--------------------------------------|-------------------------------------|----------|----------|--------------|--------------------|-------------------------|
| Subgenus Solariella A. Adams. | | | | | | |
| 999 | <i>S. amabilis</i> Jeffreys | | | | $\frac{193}{888}$ | Norway |
| 1000 | <i>S. lamellosa</i> V. & S. | 63 | 98 | | $\frac{15}{192}$ | Rhode Island |
| 1001 | <i>S. obscura</i> Couthouy | 52 | 16 | | $\frac{40}{487}$ | Arctic Sea... |
| 1002 | <i>S. ægleis</i> Watson | | | | $\frac{320}{640}$ | Fernandina . |
| 1003 | var. <i>lata</i> Dall | | | | $\frac{213}{808}$ | Florida Str.. |
| 1004 | var. <i>rhina</i> Watson | | | | $\frac{324}{1000}$ | Florida Str.. |
| 1005 | var. <i>clavata</i> Watson | | | | $\frac{320}{808}$ | Florida Str.. |
| 1006 | <i>S. infundibulum</i> Watson | | | | $\frac{752}{1688}$ | Delaware ... |
| 1007 | <i>S. Ottoi</i> Philippi | 44 63 | 14 97 | | $\frac{64}{1538}$ | Hebrides.... |
| 1008 | <i>S. scabriuscula</i> Dall | 21 | 10, 10a | 4.75 | 539 | Gulf of Mex. |
| 1009 | <i>S. lissocona</i> Dall | 21 | 8, 8a | 5.5 | $\frac{327}{321}$ | Cedar Keys.. |
| 1010 | <i>S. lacunella</i> Dall | 21 | 1, 1a | 4.5 | $\frac{10}{124}$ | C. Hatteras.. |
| 1011 | var. <i>depressa</i> Dall | | | | 805 | Gulf of Mex. |
| 1012 | <i>S. iris</i> Dall | 21 | 7, 7a | 5.0 | 119 | Florida Keys. |
| 1013 | <i>S. ———</i> | | | | 294 | Fernandina . |
| 1014 | <i>S. ———</i> | | | | 169 | Cedar Keys.. |
| 1015 | <i>S. lubrica</i> Dall | 21 | 9, 9a | 4.0 | $\frac{116}{808}$ | Cedar Keys.. |
| 1016 | var. <i>iridea</i> Dall | | | 3.8 | 193 | Cape Florida. |
| Genus EUCHELUS Philippi. | | | | | | |
| 1017 | <i>E. guttarosea</i> Dall | 33 | 7 | 5.0 | $\frac{16}{480}$ | Florida Str.. |
| 1018 | <i>E. eucasta</i> Dall | | | | 440 | Georgia |
| Genus BASILISSA Watson. | | | | | | |
| 1019 | <i>B. alta</i> Watson | | | | $\frac{339}{1019}$ | Cedar Keys.. |
| 1020 | var. <i>delicatula</i> Dall | 22 | 2, 2a | 5.0 | 805 | Gulf of Mex. |
| 1021 | <i>B. superba</i> Watson | | | | $\frac{400}{1480}$ | Gulf of Mex. |
| Section ANCISTROBASIS Dall. | | | | | | |
| 1022 | <i>B. costulata</i> Watson | | | | $\frac{15}{640}$ | Georgia |
| 1023 | var. <i>depressa</i> Dall | 23 | 4, 4a | 2.5 | 640 | Gulf of Mex. |
| Family DELPHINULIDÆ. | | | | | | |
| Genus LIOTIA Gray. | | | | | | |
| 1024 | <i>L. cruentata</i> Muhlfeldt | | | | | Key West ... |
| 1025 | <i>L. Riisii</i> Dunker | | | | | Tortugas |
| 1026 | <i>L. Briareus</i> Dall | 24 | 5, 5a | 7.5 | $\frac{76}{480}$ | Florida Str.. |
| 1027 | var. <i>perforata</i> Dall | | | | $\frac{76}{480}$ | Florida Str.. |
| 1028 | var. <i>aspina</i> Dall | | | | $\frac{76}{480}$ | Florida Str.. |
| 1029 | <i>L. Bairdii</i> Dall | 33 | 8 | 6.0 | $\frac{15}{60}$ | Hatteras |
| 1030 | var. <i>trullata</i> Dall | | | | | Gulf of Mex.. |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Bermu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|-----------|------|----------|-------------------------|----------------|
| | | | | | † | † | | † | | * | | St. Lucia.... | |
| | | *† | | | | | | † | | | | Barbados ... | |
| ?† | | | | | | | | | | *† | * | Rhode Island | |
| | | | † | | | † | | † | | | | St. Vincent.. | |
| | | | | † | † | | | † | | † | | Martinique... | Pliocene. |
| | | | | | † | | | † | | † | | St. Vincent.. | |
| | | | | | † | | | † | | | | Brazil..... | |
| † | † | | | | † | | | † | † | | | Brazil..... | |
| † | † | | | | | | | † | | † | | St. Thomas.. | Pliocene. |
| | | | | | † | | | † | | | | Cuba | |
| | | | | | † | † | | | | | | Gulf of Mex. | |
| | | † | | | † | | | † | | | | Santa Cruz.. | |
| | | | | | † | | | | | | | Florida Keys. | |
| | | | | | † | | | | | | | Florida Str.. | |
| | | | † | | | | | | | | | | |
| | | | | | | † | | | | | | Gulf of Mex. | |
| | | | | | † | † | | † | | | | St. Lucia.... | |
| | | | | | † | † | | | | | | Gulf of Mex. | |
| | | | | | † | | | *† | | | | Haiti..... | |
| | | | † | | | | | | | | | | |
| | | | | | | † | | † | | | | Brazil..... | |
| | | | | | † | | | † | | | | Tobago | |
| | | | | | | † | | | | | | Australia.... | |
| | | | † | | * | | | † | | | | Culebra | |
| | | | | | | | † | † | | | | Yucatan..... | |
| | | | | | * | | | * | | | | Honduras ... | |
| | | | | | * | | | * | | | | St. Thomas.. | |
| | | | | | † | | | † | | | | Barbados ... | |
| | | | | | † | | | † | | | | Barbados.... | |
| | | | | | † | | | † | | | | Barbados.... | |
| | | † | † | | *† | | | † | | | | Havana | |
| | | | | | † | | | † | | | | Florida Str.. | |

TABLE V. E.—*List of Gastropoda*—Continued.

| N.J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da | Eur. | West Am. | Southern extreme range. | Range in time. |
|------|-----|------|-----|-----------|------------|-----------|------|-----------|-----------|------|----------|-------------------------|----------------|
| --- | --- | * | --- | --- | --- | * | --- | --- | --- | --- | --- | Tampa | Pliocene. |
| --- | --- | --- | --- | * | --- | --- | --- | * | --- | --- | --- | Barbados..... | |
| --- | --- | * | --- | --- | † | --- | --- | † | --- | --- | --- | Barbados..... | |
| --- | --- | --- | --- | --- | --- | --- | --- | † | --- | --- | --- | Grenada | |
| --- | --- | --- | --- | --- | * | --- | --- | --- | --- | --- | --- | Florida Str .. | |
| --- | --- | --- | --- | --- | † | --- | --- | † | --- | --- | --- | Cuba..... | |
| † | † | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| --- | --- | * | --- | --- | --- | * | --- | --- | --- | --- | --- | Florida | |
| --- | --- | --- | --- | --- | --- | * | --- | * | --- | --- | --- | Jamaica | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| --- | --- | † | --- | --- | --- | † | --- | † | --- | † | --- | Old Provid'ce | |
| † | --- | * | † | --- | --- | --- | --- | --- | --- | --- | --- | Fernandina .. | |
| --- | --- | *† | † | --- | --- | --- | --- | --- | --- | --- | --- | Fernandina .. | |
| ?† | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | Rhode Island | |
| --- | --- | † | † | --- | † | --- | --- | † | --- | --- | --- | Cuba..... | |
| † | --- | † | † | --- | --- | --- | --- | --- | --- | --- | --- | Fernandina .. | |
| --- | --- | --- | --- | --- | † | --- | --- | † | --- | --- | --- | Cuba..... | |
| --- | --- | --- | --- | --- | † | --- | --- | † | --- | --- | --- | Cuba..... | |
| --- | --- | †* | --- | --- | --- | --- | --- | --- | --- | --- | --- | Cape Fear... | |
| --- | --- | --- | † | --- | --- | --- | --- | † | --- | † | --- | Yucatan..... | |
| --- | --- | --- | --- | --- | † | --- | --- | † | --- | --- | --- | Cuba..... | |
| --- | --- | --- | † | --- | --- | --- | --- | --- | --- | *† | --- | Fernandina .. | Pliocene. |
| --- | --- | --- | --- | * | * | --- | * | * | * | --- | --- | St. Vincent.. | |
| --- | --- | --- | --- | * | * | * | * | * | * | --- | --- | Aspinwall... | |
| --- | --- | --- | --- | * | --- | --- | --- | * | --- | --- | --- | Aspinwall... | |
| --- | --- | --- | --- | * | * | --- | --- | * | * | --- | --- | Aspinwall... | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|----------|---|----------------------|----------------------|--------------|---------------------------|-------------------------|
| | Genus NERITINA Lamarck. | | | | | |
| 1056 | <i>N. reclinata</i> Say | ----- | ----- | ----- | ----- | St. Augustine |
| 1057 | var. <i>palmae</i> Dall | ----- | ----- | ----- | ----- | Palma Sola.. |
| 1058 | <i>N. virginea</i> Linné | ----- | ----- | ----- | ----- | Tampa |
| 1059 | <i>N. pupa</i> Linné | ----- | ----- | ----- | ----- | Charlotte H. |
| 1060 | <i>N. viridis</i> Lamarck | ----- | ----- | ----- | ----- | No Name Key |
| | Section THEODOXUS Montfort. | | | | | |
| 1061 | <i>N. Showalteri</i> Lea | ----- | ----- | ----- | Fluv. | Alabama |
| | Family STOMATIIDÆ. | | | | | |
| | Genus STOMATELLA Lamarck. | | | | | |
| 1062 | <i>S. picta</i> Orbigny | ----- | ----- | ----- | ----- | Florida Keys |
| | Superfamily ZYGOBRANCHIA. | | | | | |
| | Family HALIOTIDÆ. | | | | | |
| | Genus HALIOTIS Linné. | | | | | |
| 1063 | <i>H. Pourtalesii</i> Dall | ----- | ----- | ----- | 200 | Florida Str.. |
| | ? Family SCISSURELLIDÆ. | | | | | |
| | Genus SCISSURELLA Orbigny. | | | | | |
| 1064 | <i>S. crispata</i> Fleming | 48 | 15 | ----- | $\frac{7\frac{1}{2}}{90}$ | Norway |
| 1065 | <i>S. alta</i> Watson | ----- | ----- | ----- | $\frac{150}{200}$ | Florida Str.. |
| 1066 | <i>S. ———</i> | ----- | ----- | ----- | $\frac{294}{434}$ | Fernandina .. |
| | Family PLEUROTOMARIIDÆ. | | | | | |
| | Genus PLEUROTOMARIA Sowerby. | | | | | |
| 1067 | <i>P. Quoyana</i> Fischer and Bernardi .. | 29 31 37 | 1 1a-c 5 | 42.0 | $\frac{73}{130}$ | Gulf of Mex. |
| 1068 | <i>P. Adansoniana</i> Crosse and Fischer. | 30 31 32 37 | — 3, 6 10 4 | | | |
| | Family FISSURELLIDÆ. | | | | | |
| | Genus PUNCTURELLA Lowe. | | | | | |
| 1069 | <i>P. circularis</i> Dall | 26 | 7, 7b | 3.0 | 539 | Gulf of Mex. |
| 1070 | <i>P. trifolium</i> Dall | 26 | 8, 8b | 7.0 | 640 | Gulf of Mex. |
| 1071 | <i>P. Watsoni</i> Dall | ----- | ----- | 3.0 | $\frac{100}{200}$ | Gulf of Mex. |
| 1072 | <i>P. profundi</i> Jeffreys | ----- | ----- | ----- | $\frac{300}{390}$ | Fernandina .. |
| 1073 | <i>P. agger</i> Watson | ----- | ----- | ----- | $\frac{320}{400}$ | Florida Str.. |
| 1074 | <i>P. eritmeta</i> Verrill | ----- | ----- | 5.0 | 1451 | Rhode Island |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|----------|---|-----|--------|--------------|-------------------|-------------------------|
| 1075 | <i>Puncturella sportella</i> Watson | | | | $\frac{390}{430}$ | N. lat. 24° .. |
| 1076 | <i>P. abyssicola</i> Verrill | | | 10.0 | 1537 | N. lat. 39° .. |
| 1077 | <i>P. erecta</i> Dall | | | 7.0 | 107 | Hatteras |
| | Subgenus Fissurisepta Seguenza. | | | | | |
| 1078 | <i>F. triangulata</i> Dall | | | | $\frac{300}{390}$ | Fernandina .. |
| 1079 | <i>F. rostrata</i> Seguenza | | | | | N. Atlantic .. |
| | Subgenus Cranopsis Adams. | | | | | |
| 1080 | <i>C. asturiana</i> Fischer | | | | | N. Atlantic .. |
| | Genus EMARGINULA Lamarck. | | | | | |
| | Subgenus Rimula DeFrance. | | | | | |
| 1081 | <i>R. frenulata</i> Dall | 28 | 4 | 2.3 | $\frac{6}{62}$ | Hatteras |
| | Subgenus Subemarginula Blainville. | | | | | |
| 1082 | <i>S. octoradiata</i> Gmelin | | | | | Tortugas |
| 1083 | <i>S. ———</i> | | | | 300 | Gulf of Mex. |
| | Subgenus Emarginula s. s. | | | | | |
| 1084 | <i>E. tumida</i> Sowerby | | | | | Gulf of Mex. |
| 1085 | <i>E. pumila</i> A. Adams | | | | $\frac{10}{16}$ | Turtle Harb. |
| 1086 | <i>E. cancellata</i> Philippi | | | | $\frac{8}{87}$ | Britain |
| 1087 | <i>E. compressa</i> Cantraine | | | | $\frac{84}{640}$ | Portugal |
| | Genus FISSURELLA Bruguière. | | | | | |
| 1088 | <i>F. alternata</i> Say | | | | $\frac{1}{60}$ | Hatteras |
| 1089 | var. <i>Sayi</i> Dall | | | | $\frac{50}{94}$ | Florida Str.. |
| 1090 | <i>F. nodosa</i> Born | | | | | Tortugas |
| 1091 | <i>F. Listeri</i> Orbigny | | | | | Indian Key.. |
| 1092 | <i>F. cayennensis</i> Lamarck | | | | | Cedar Keys.. |
| 1093 | <i>F. gemmulata</i> Reeve | | | | | Tortugas |
| | Subgenus Glyphis Carpenter. | | | | | |
| 1094 | <i>G. barbadensis</i> Gmelin | | | | | Charlotte H. |
| 1095 | <i>G. cancellata</i> Sowerby | | | | | Tortugas |
| 1096 | <i>G. Tanneri</i> Verrill | 44 | 13,13a | 16.0 | $\frac{104}{142}$ | Delaware |
| 1097 | <i>G. ———</i> | | | | $\frac{50}{8}$ | Key West.... |
| 1098 | <i>G. ———</i> | | | | 107 | Hatteras |
| 1099 | <i>G. ———</i> | | | | 2 | Marco |
| 1100 | <i>G. fluviana</i> Dall | 14 | 6, 6a | 6.0 | $\frac{76}{70}$ | Florida Str.. |
| | Genus FISSURELLIDEA Orbigny. | | | | | |
| 1101 | <i>F. limatula</i> Reeve | | | | $\frac{16}{20}$ | Cape Fear... |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | | | † | | | | † | | | | Culebra | |
| † | | | | | | | | | | | | | |
| | | † | | | | | | | | | | | |
| | | | † | | | | † | † | | | | Culebra | |
| | | | † | | | | | | | | † | Fernandina | Pliocene. |
| | | † | † | | † | | | † | | † | | St. Barts | Pliocene. |
| | | † | | | * | | | | | | | Tortugas | |
| | | | | | * | | | * | | | | Barbados | |
| | | | | | | | † | † | | | | Cuba | |
| | | | | | * | | | * | | | | Cuba | |
| | | | | | * | | | * | | | | Haiti | |
| | | † | | | † | | | *† | * | †* | | Barbados | |
| | | | † | | * | | | † | | † | | Barbados | Pliocene. |
| | | * | | * | * | * | | * | * | | | Barbados | Pliocene. |
| | | | | | † | | | † | | | | Barbados | |
| | | | | | * | | | * | * | | | Barbados | |
| | | | | | * | | | * | * | | | Barbados | |
| | | | | | * | * | | † | * | | | St. Lucia | Pliocene. |
| | | | | | * | | | * | * | | | Guadalupe | |
| | | | | | * | * | | * | * | | | Barbados | |
| | | | | | * | | | * | * | | | St. Barts | |
| † | † | † | | | | | | | | | | Hatteras | |
| | | † | | | † | | | † | | | | Barbados | |
| | | | | | * | | | | | | | | |
| | | | | | † | | | † | | | | Barbados | |
| | | * | | | * | | | † | | | | Barbados | |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|----------|--|-------|--------|--------------|--------------------|-------------------------|
| 1102 | <i>Fissurellidea fasciata</i> Pfeiffer ..... | ..... | ..... | ..... | ..... | Gulf of Mex... |
| 1103 | <i>F. pustula</i> Linné..... | ..... | ..... | ..... | ..... | C. Lookout .. |
| | Genus CLYPIDELLA Swainson. | | | | | |
| 1104 | <i>C. fascicularis</i> Lamarek ..... | ..... | ..... | ..... | ..... | Key West..... |
| | Subclass ISOPLEURA. | | | | | |
| | Order POLYPLACOPHORA. | | | | | |
| | Superfamily EOCHITONIA. | | | | | |
| | Family LEPTOCHITONIDÆ. | | | | | |
| | Genus LEPTOCHITON Gray. | | | | | |
| 1105 | <i>L. alveolus</i> Sars..... | ..... | ..... | ..... | $\frac{100}{540}$ | Arctic Sea... |
| 1106 | <i>L. pergranatus</i> Dall..... | ..... | ..... | ..... | $\frac{114}{1181}$ | Gulf of Mex... |
| | Genus HANLEYIA Gray. | | | | | |
| 1107 | <i>H. tropicalis</i> Dall..... | 26 | 8c.8d. | 4.0 | 128 | Sand Key ... |
| 1108 | <i>H. mendicaria</i> Mighels..... | ..... | ..... | ..... | $\frac{49}{317}$ | Arctic Sea ... |
| | Family ISCHNOCHITONIDÆ. | | | | | |
| | Genus TRACHYDERMON Carpenter. | | | | | |
| 1109 | <i>T. exaratus</i> Sars..... | 45 | 2, 2a | ..... | $\frac{179}{279}$ | Norway |
| 1110 | <i>T. ruber</i> Lowe..... | 51 | 9 | ..... | $\frac{5}{5}$ | Arctic Sea... |
| | Genus CHÆTOPLEURA Shuttleworth. | | | | | |
| 1111 | <i>C. apiculata</i> Sowerby..... | 51 | 10 | ..... | $\frac{0}{35}$ | Cape Cod ... |
| 1112 | <i>C. Janeirensis</i> Gray..... | ..... | ..... | ..... | ..... | Key West... |
| | Genus ISCHNOCHITON Gray. | | | | | |
| 1113 | <i>I. limaciformis</i> Say..... | ..... | ..... | ..... | ..... | Key West ... |
| 1114 | <i>I. purpurascens</i> C. B. Adams..... | ..... | ..... | ..... | ..... | Florida Keys. |
| 1115 | <i>I. papillosus</i> C. B. Adams..... | ..... | ..... | ..... | ..... | Tampa |
| 1116 | <i>I. ———</i>..... | ..... | ..... | ..... | ..... | Turtle Harb. |
| 1117 | <i>I. funiculatus</i> Carpenter ..... | ..... | ..... | ..... | ..... | Key West ... |
| | Genus CERATOZONA Dall. | | | | | |
| 1118 | <i>C. Guildingi</i> Reeve..... | ..... | ..... | ..... | ..... | Jupiter Inlet |
| | Family LOPHYRIDÆ. | | | | | |
| | Genus CHITON s. s. | | | | | |
| 1119 | <i>C. squamosus</i> Linné ..... | ..... | ..... | ..... | ..... | Indian Key.. |
| 1120 | <i>C. marmoratus</i> Gmelin..... | ..... | ..... | ..... | ..... | Texas |

TABLE V. E.—*List of Gastropoda*—Continued.

| Ser. No. | Name and authority for species. | Pl. | Figs. | Alt. or Lon. | Range in depth. | Northern extreme range. |
|----------|--------------------------------------|----------|-----------------|--------------|-----------------|-------------------------|
| | Genus TONICIA Gray. | | | | | |
| 1121 | T. Schrammii Shuttleworth..... | | | | | Key West ... |
| | Family ACANTHOPLEURIDÆ. | | | | | |
| | Genus ACANTHOPLEURA Guilding. | | | | | |
| 1122 | A. picea Gmelin..... | | | | | Charlotte H. |
| | Superfamily OPSICHTONIA. | | | | | |
| | Family PLACOPHORIDÆ. | | | | | |
| | Genus PLACOPHORA Gray (em.). | | | | | |
| 1123 | P. atlantica Verrill & Smith..... | 45 63 | 1a, b) 102a) | 32.0 | 443 | Off Cape Cod. |
| | Family MOPALIIDÆ. | | | | | |
| | Genus ACANTHOCHITON Leach. | | | | | |
| 1124 | A. astriger Reeve..... | | | | | Tortugas ... |
| 1125 | A. spiculosus Reeve..... | | | | | Cedar Keys... |
| | Genus NOTOPLAX H. Adams. | | | | | |
| 1126 | N. floridanus Dall..... | | | | | Cape Florida |
| | Family AMICULIDÆ. | | | | | |
| | Genus AMICULA Gray. | | | | | |
| 1127 | A. vestita Sowerby..... | 63 | 103a | | 10 60 | Arctic Sea... |

TABLE VI. F.—*List of Cephalopoda.*

| | | | | | | |
|---|-------------------------------------|----------------|------------------------|--|--|-----------------------------|
| | Class CEPHALOPODA. | | | | | |
| | Order DIBRANCHIATA. | | | | | |
| | Suborder OCTOPODA. | | | | | |
| | • Family ARGONAUTIDÆ. | | | | | |
| | Genus ARGONAUTA Linné. | | | | | |
| 1 | A. argo L. var. americana Dall..... | 43 64 67 | 1a-b) 142b) 1-3) | | | N. lat. 43 ^c ... |
| | Suborder SEPIOPHORA. | | | | | |
| | Family SPIRULIDÆ. | | | | | |
| | Genus SPIRULA Lamarck. | | | | | |
| 2 | S. Peronii Lamarck..... | 68 | 4 | | | Cape Cod ... |

TABLE V. E.—*List of Gastropoda*—Continued.

| N. J. | Va. | Hat. | Ga. | East Fla. | Fla. Keys. | West Fla. | Tex. | West Ind. | Ber-mu-da. | Eur. | West Am. | Southern extreme range. | Range in time. |
|-------|-----|------|-----|-----------|------------|-----------|------|-----------|------------|------|----------|-------------------------|----------------|
| | | | | | * | | | * | * | | | Guadalupe .. | |
| | | | | | * | * | | * | * | | | New Grenada | |
| ? | | | | | | | | | | | | Rhode Island | |
| | | | | | * | | | * | | | | St. Thomas.. | |
| | | | | | * | * | | * | | | | Barbados.... | |
| | | | | | * | | | | | | | Key West ... | |
| †? | | | | | | | | | | | † | New York ?.. | |

TABLE VI. F.—*List of Cephalopoda*.

| | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|--|---|----|---|----|---------------|--|
| * | | * | | | | * | | * | | ? | *? | Brazil†..... | |
| *? | *? | *? | *? | *? | *† | *† | | † | *? | | | Tropics ?.... | |

SUMMARY OF THE TABLES.

The following table shows the relative proportions of the different groups included in the fauna and enumerated in the tables preceding :

| | In the tables. | Extra limital. |
|--|----------------|----------------|
| Brachiopods | 21 | 2 |
| Pelecypods | 487 | 13 |
| Scaphopods | 44 | 2 |
| Pteropods | 33 | 3 |
| Gastropods | 1, 127 | 59 |
| Cephalopods | 2 | ..... |
| Total | 1, 714 | 79 |
| Deduct extra-limital species | 79 | ..... |
| Total enumerated species from Sandy Hook to Florida and the Rio Grande | 1, 635 | ..... |

It may be added that, with but few exceptions, the enumerated extra-limital forms are likely, with further exploration, to be found in our region.

If all the Nudibranchiata, Heteropoda, and Cephalopoda were enumerated the total would be at least eighteen hundred forms.

It is probable that some of the species enumerated in the tables will hereafter prove to be synonymous with other enumerated species. But there is a reasonable prospect of the discovery of deep-water species, new to science or to the region, and of Antillean species which extend to the region of the Florida Keys which are not here enumerated, so that the loss from the above-mentioned cause will probably be more than made up numerically. This being the first attempt to enumerate the Molluscan fauna of the whole region, generalizations may well be deferred.

EXPLANATION OF THE PLATES.

NOTE.—The figures following the authority for the specific name denote the actual length in millimeters of the longest diameter of the figure, whether that be the height or the breadth, except where otherwise stated.

PLATE I.

- FIG. 1. *Corbula Krebsiana* C. B. Adams; 6.1.
1 a. " "
1 b. " "
2. *Basterotia quadrata* Hinds; 10.0; left valve.
2 a. Same, hinge seen from above.
2 b. " " " " below.
3. *Corbula Knoxiana* C. B. Adams; 12.7; front.
3 a. " " back of left valve.
3 b. " "
3 c. " "
4. *Corbula disparilis* D'Orbigny; 9.0.
4 a. " "
4 b. " "
5. *Corbula Dietziana* C. B. Adams; 10.7.
5 a. " "
5 b. " "
6. *Corbula Kjoeriana* C. B. Adams; 12.0
6 a. " "
6 b. " "
7. *Corbula cymella* Dall; 13.5.
7 a. " "

All the above, except figures 2 a, 2 b, and 4 a, 4 b, are drawn by W. H. Dall with the camera lucida from typical specimens of the describer in the museum at Amherst.

The following plates (I-XI) are from the Report on the Mollusca of the Blake Expedition, parts I and II, drawn by J. C. McConnell (except where otherwise stated) from the specimens. For the use of these plates we are indebted to Prof. Alex. Agassiz.

PLATE II.

- FIG. 1 a, 1 b. *Verticordia (Euciroa) elegantissima* Dall; 13.25.
2, 2 a. *Halonympha claviculata* Dall; 12.0.
3 a, 3 b. *Cardiomya perrostrata* Dall; 8.0.
4 a, 4 b. *Verticordia (Haliris) Fischeriana* Dall; 10.0.
5 a-5 c. *Corbula Swiftiana* C. B. Adams, from type; 10.4.
6 a-6 d. *Corbula Chittyana* C. B. Adams, from type; 8.5.
7, 7 a-c. *Corbula Barrattiana* C. B. Adams, from types; 8.9.

PLATE III.

- FIG. 1. *Cuspidaria obesa* Lovèn, var.? 13.0.
 2. *Cuspidaria Jeffreysi* Dall; 15.0.
 3. *Cuspidaria arcuata* Dall; 12.5; inside.
 4. Same, outside.
 5. *Myonera limatula* Dall; 11.15.
 6. *Cardiomya pectinata* Cpr., var. *beringensis* Leche [N. W. coast of America]; 6.0
 7. *Myonera lamellifera* Dall; 12.5.
 8. *Leiomya (Plectodon) granulata* Dall; 11.0.
 9. *Cardiomya corpulenta* Dall; 14.0.
 10. *Cardiomya striata* Jeffreys; 19.0.

PLATE IV.

- FIG. 1 a. *Pecten (Amusium) Dalli* E. A. Smith; 62.0; inside of lower valve.
 1 b. The same, inside of upper valve.
 2. *Pecten (Pseudamusium) Sigsbeei* Dall; 11.5.
 3. *Pecten (Propeamusium) Pourtalesianus* Dall, var. *marmoratus*; 13.5.
 4 a-b. *Pecten (Pseudamusium) imbrifer* Lovèn; 12.5.
 5 a-b. *Dimya argentea* Dall; 12.0.
 6. *Cardium (antillarum* Orb. var.?) *ceramidum* Dall; 8.2.
 7. *Cardium peramabilis* Dall; 12.5.
 8. *Abra lioica* Dall; 8.1.
 9 a-b. *Saxicava azaria* Dall; 25.0.

PLATE V.

- FIG. 1, 2. *Pecten (Propeamusium) cancellatus* E. A. Smith; 26.0.
 1 a. The same; a bit of the sculpture enlarged.
 3. *Pecten (Propeamusium) Sayanus* Dall; 15.5.
 4. *Pecten caurinus* Gould, young valve; 6.0.
 5. *Pecten (Propeamusium) Holmesii* Dall; 12.0.
 6. *Hinnites Adamsi* Dall; upper valve; 28.0.
 7, 7 a. *Pecten (Propeamusium) alaskensis* Dall; 22.8; West America.
 8. *Pecten (Pseudamusium) reticulus* Dall; 7.0.
 9. *Pecten (Propeamusium) Sayanus* Dall; 15.5.
 10. *Pecten (Pseudamusium) reticulus* Dall; 7.0.
 11. *Pecten (Propeamusium) Holmesii* Dall; 12.0.
 12. *Pecten (Propeamusium) Pourtalesianus* Dall; 13.5.

PLATE VI.

- FIG. 1. *Magasella radiata* Dall; 6.1; N. W. America.
 2. *Thecidium Barrettii* Davidson; 5.1.
 3. *Modiola polita* V. and S.; 42.5.
 4 a-c. *Terebratula Bartlettii* Dall; 40.0.
 5. *Pecten (Janira) hemicyclius* Ravenel; 4.0.
 Inside view of upper shell of young fry.
 6. *Terebratula incerta* Davidson; 11.5; interior.
 6 a. The same; horizontal view of loop.
 7, 8. *Modiolaria lateralis* Say; 7.5.
 9, 10. *Arca ectocomata* Dall; 46.0.
 11. *Tellina sybaritica* Dall; 7.0.
 12. *Crassatella floridana* Dall; young shell; 11.0.

PLATE VII.

- FIG. 1 a-b. *Leda (Neilonella) corpulenta* Dall; 9.5.
 2. *Nucula crenulata* A. Adams; 6.0.
 3 a-b. *Leda acuta* Conrad; 9.5.
 4 a-b. *Gouldia cerina* C. B. Adams; 10.5; type.
 5 a-b. *Astarte Smithii* Dall; 7.0.
 6 a-b. *Astarte nana* (?Jeffreys) Dall; 8.2.
 7 a-b. *Leda solidifacata* Dall; 12.5.
 8. *Leda acuta* Conrad; 9.5.

PLATE VIII.

- FIG. 1, a. *Tindaria cytherea* Dall; 8.6.
 2. *Nucula* var. *obliterata* Dall; 6.0.
 3, 3 a. *Arca polycyma* Dall; 9.75.
 4, 4 a. *Macrodon asperula* Dall; 8.5.
 5. *Arca pectunculoides*, var. *orbiculata*, Dall; 8.0.
 6. *Leda (Saturnia) quadrangularis* Dall; 4.6.
 7, 7 a. *Limopsis antillensis* Dall; 4.25.
 8, 8 a. *Pandora (Clidiophora) carolinensis* Bush; 14.2.
 9, 9 a. *Arca glomerula* Dall; 5.75.
 10. *Cetoconcha margarita* Dall; 7.3.
 11. *Leda Carpenteri* Dall; 10.5.
 12, 12 a. *Leda vitrea*, var. *cerata*, Dall; 6.5.
 13. *Vesicomya pilula* Dall; 2.6.

PLATE IX.

- FIG. 1, 1 a. *Yoldia liorhina* Dall; 13.1.
 2, 2 a. *Yoldia solenoides* Dall; 12.5.
 3. *Leda Carpenteri* Dall; 10.5.
 4. *Mangilia serga* Dall; 9.0.
 5. *Mangilia citronella* Dall; 4.0.
 6. *Mangilia Pourtalesii* Dall; 17.0.
 7, 7 a. *Xylophaga abyssorum* Dall; 4.0.
 8. *Conus Agassizii* Dall; 30.0; adult.
 8 a. The same, young shell; 9.0.
 9. *Daphnella leucophlegma* Dall; 10.25.
 10. *Daphnella (Eubela) limacina* Dall; 11.0.

PLATE X.

- FIG. 1. *Gymnobela Blakeana* Dall; 8.25.
 2. *Gymnobela extensa* Dall; 12.25.
 3. *Mangilia bandella* Dall; 9.37.
 4. *Mangilia antonia* Dall; 5.75.
 5. *Leucosyrinx Ferrillii* Dall; 36.0.
 6. *Drillia polytorta* Dall; 33.5.
 7. *Drillia acestra* Dall; 19.0.
 8. *Drillia albicoma* Dall; 25.7.
 9. *Pleurotomella Emertonii* Verrill & Smith; 34.0.
 10. *Daphnella reticulosa* Dall; 11.5.
 11. *Daphnella sofia* Dall, outer lip imperfect; 8.0.
 12. *Mangilia ? scipio* Dall, outer lip imperfect; 14.0.

PLATE XI.

- FIG. 1. *Drillia nucleata* Dall; 13.5.
 2. *Drillia Ferrillii* Dall; 5.5.
 3. *Drillia lissotropis* Dall, young; 4.5.
 4. *Drillia lissotropis* Dall, adult; 7.0.
 5. *Drillia havanensis* Dall; 9.0.
 6. *Drillia lithocolleta* Watson, young; 12.5.
 7. *Drillia smirna* Dall; 15.0.
 8. *Drillia oleacina* Dall; 10.0.
 9. *Mangilia pelagia* Dall; 10.75.
 10. *Leucosyrinx Sigsbeeii* Dall; 25.5.
 11. *Mangilia antonia* Dall, young; 7.0.
 12. *Mangilia comatotropis* Dall; 6.0.
 13. *Pleurotomella leuco nata* Dall; 13.5.
 14. *Mangilia Agassizii* V. & S.; young shell of var. *mexicana* Dall; 8.5.
 15. *Mangilia quadrata* var. *monocingulata* Dall; 6.75.
 16. *Mangilia quadrata* var.; 7.0.
 17. *Mangilia peripla* Dall; 8.0.
 18. *Drillia premorra* Dall; 9.5.

PLATE XII.

- FIG. 1. *Daphnella morra* Dall; 5.75.
 2. *Drillia pharcida* Dall; 9.5.
 3. *Mangilia* ? *subsida* Dall; 13.0.
 4. *Cythara cymella* Dall; 13.0.
 5. *Genota mitrella* Dall; 12.5.
 6. *Cythara Bartlettii* Dall, adult; 8.0.
 7. *Mangilia elusiva* Dall; 9.25.
 8. *Mangilia toreumata* Dall; 10.5.
 9. *Pleurotomella filifera* Dall; 17.5.
 10. *Glyphostoma gratula* Dall; 17.5.
 11. *Drillia detecta* Dall; 11.75.
 12. *Ancistrosyrinx radiata* Dall; 13.0.

PLATE XIII.

- FIG. 1. *Drillia eucosmia* Dall; 19.0.
 2. *Genota (Dolichotoma) viabrunnea* Dall; 38.0.
 3. *Drillia haliostrephis* Dall; 20.0.
 4. *Glyphostoma Gabbii* Dall, young; 4.5.
 5. *Glyphostoma Gabbii* Dall, young; 9.5.
 6. *Drillia pagodula* Dall; 13.5.
 7. *Glyphostoma Gabbii* Dall, adult; 19.0.
 8. *Glyphostoma Gabbii* Dall, young; 16.0.

PLATE XIV.

- FIG. 1. *Amalthea benthophila* Dall, on spine of Echinoderm, viewed from above; 8.0.
 1 a. *Amalthea benthophila* Dall, from the right; 8.0.
 1 b. *Amalthea benthophila* Dall, from below; 8.0.
 2. *Loripes compressa* Dall; 11.0.
 3. *Capulus (Hyalorisia) galea* Dall, from below; 18.5.
 3 a. *Capulus (Hyalorisia) galea* Dall, profile; 18.5.
 4. *Pleurotomella Packardii* var. *Benedicti* V. & S.; 11.0.
 5. *Cythara Bartlettii* Dall, nearly adult; 10.0.
 6. *Glyphis fluviana* Dall, from below; 10.6.
 6 a. *Glyphis fluviana* Dall, profile; 10.6.
 7. *Daphnella corbicula* Dall; 11.2.
 8. *Cythara Bartlettii* Dall, young; 10.0.
 9. *Umbraculum bermudense* Mörch? young shell; 10.0.
 10. *Umbraculum bermudense* Mörch? profile; 10.0.

PLATE XV.

- FIG. 1. *Murex Pazi* Crosse, young shell; 7.5.
 2. *Trophon?* *actinophorus* Dall; 17.5.
 3. *Pteronotus tristichus* Dall; 15.5.
 4. *Trophon lacunella* Dall; 41.0.
 5. *Dolium (Eudolium) Crosseanum* Monterosato; 35.0.
 6. *Mitra (Costellaria?) styria* Dall; 19.0.
 7. *Typhis (Trubatsa) longicornis* Dall, young; 7.5.
 8. *Mitra (Thala?) torticula* Dall; 12.2.
 9. *Mangilia?* *exsculpta* Watson; 30.0.
 10. *Fusus benthalis* Dall; 15.0.
 11. *Fusus amiantus* Dall; 17.0.
 12. *Nassarina Bushiæ* Dall; 9.0.

PLATE XVI.

- FIG. 1. *Ocenebra (Favartia) cellulosa* Conrad, young; 12.0.
 2. *Murex pomum* Gmelin, very young; 15.0.
 3. *Murex Hidalgoi* Crosse; 23.0.
 4. *Murex hystericina* Dall; 21.0.
 5. *Coralliophila Deburghiæ* Reeve, young; 20.0.
 6. *Coralliophila lactuca* Dall, young; 11.0.

PLATE XVII.

- FIG. 1. *Actæon incisus* Dall; 9.0.
 1 b. *Actæon incisus* Dall var., adolescent; 6.8.
 2. *Actæon melampoides* Dall; 6.0.
 3. *Utriculus vortex* Dall; 7.5.
 4. *Utriculus Frickei* Dall; 8.2.
 5. *Actæon delicatus* Dall; 10.0.
 6. *Bulla eburnea* Dall; 7.25.
 7. *Atys?* *Sandersoni* Dall; 6.5.
 8. *Utriculus (vortex var.?) domitus* Dall; 9.0.
 9. *Sabatia bathymophila* Dall, adult; 16.5.
 9 b. *Sabatia bathymophila* Dall, adolescent; 10.0.
 10. *Scaphander Watsoni* Dall; 8.75.
 11. *Bulla abyssicola* Dall; 12.75.
 12. *Actæon Danaida* Dall; 11.0.

PLATE XVIII.

- FIG. 1. *Scala hellenica* var. *Mörchiana* Dall; 6.87.
 2. *Scala discobolaria* Dall; 6.5.
 3. *Actæon perforatus* Dall; 7.75.
 4. *Scala aurifila* Dall; 11.0.
 5. *Niso interrupta* Sowerby var. *albida* Dall; 8.1.
 6. *Niso interrupta* var. *albida* Dall, base; 3.5.
 7. *Aclis nucleata* Dall; 9.3.
 8. *Aclis lata* Dall; 5.5.
 9. *Scala contorquata* Dall; 4.7.
 10. *Scala polacia* Dall, aperture imperfect; 7.25.
 11. *Scala formosissima* Jeffreys; 8.5. The aperture is a little distorted where it joins the body whorl.
 11 b. *Scala belaurita* Dall; 8.3.
 12. *Aclis egregia* Dall; 13.0.

PLATE XIX.

- FIG. 1. *Rissoa precipitata* Dall; 4.0.
 2. *Marginella seminula* Dall; 7.0.
 3. *Marginella Watsoni* Dall; 9.5.
 4. *Marginella fusina* Dall; 8.0.
 5. *Marginella yucatecana* Dall; 5.62.
 6. *Marginella succinea* Conrad; 12.0.
 7. *Marginella torticula* Dall; 11.5.
 8. *Columbella* (*Anachis*?) *Verrillii* Dall; 9.0.
 9. *Pedicularia decussata* Gould, profile; 6.0.
 9 b. *Pedicularia decussata*, young, showing spiral apex; 2.5.
 10. *Rissoa xanthias* Watson, var. *cuticostata* Dall; 3.7.
 10 b. *Eucosmia brevis* Orbigny; 2.0.
 10 c. *Columbella* (*Anachis*) *amphissella* Dall; 4.0.
 10 d. *Dalium solidum* Dall; 41.0.
 11. *Eulima* (*Melanella*) *arcuata* C. B. Adams; 4.0.
 11 b. *Leiostraca fusus* Dall; 13.5.
 11 c. *Eulimella unifasciata* Forbes; 6.0.

PLATE XX.

- FIG. 1. *Cerithiopsis Sigsbeeana* Dall; 10.5.
 2. *Cerithiopsis Martensii* Dall; 11.25.
 3. *Cerithiopsis crystallina* Dall; 16.0. Poor figure.
 4. *Eumeta subulata* Montagu; 14.25.
 5. *Cerithiopsis abrupta* Watson; 4.3
 5 a. *Triforis triserialis* Dall; 8.25.
 6. *Triforis cylindrella* Dall; 6.5.
 6 a. *Triforis triserialis* Dall; 15.5.
 7. *Mathilda yucatecana* Dall; 8.0.
 8. *Triforis triserialis* var. *intermedia* Dall; 11.0.
 9. *Triforis abrupta* Dall; 7.5.
 10. *Triforis longissima* Dall; 26.0.
 11. *Triforis bigemma* var. *hircus* Dall; 12.5.
 11 b. *Triforis torticula* Dall; 10.5.
 12. *Triforis colon* Dall; 12.0.
 12 b. *Triforis inflata* Watson var. *ibex* Dall; 11.0.

PLATE XXI.

- FIG. 1. *Solariella lacunella* Dall; base, 5.0.
 1 a. *Solariella lacunella* Dall; profile, 4.5.
 2. *Calliostoma sapidum* Dall; 5.0.
 2 a. *Calliostoma echinatum* Dall; base, 4.75.
 3. *Dillwynella modesta* Dall; top, alt. 3.0.
 3 a. *Dillwynella modesta* Dall; profile, diam. 4.0.
 4. *Calliostoma sapidum* Dall; base, 4.12.
 5. *Calliostoma echinatum* Dall; 5.25.
 6. *Umbonium Bairdii* Dall, young specimen; profile, alt. 4.0.
 6 a. *Umbonium Bairdii* Dall; base, diam. 5.0.
 7. *Solariella iris* Dall; profile, 5.0.
 7 a. *Solariella iris* Dall; base, 5.5.
 8. *Solariella lissocona* Dall; profile, 5.5.
 8 a. *Solariella lissocona* Dall; base, 4.5.
 9. *Solariella lubrica* Dall; profile, 4.0.
 9 a. *Solariella lubrica* Dall; base, 3.25.
 10. *Solariella scabriuscula* Dall; base, 4.0.
 10 a. *Solariella scabriuscula* Dall; profile, 4.75.
 11. *Lunatia fringilla* var. *perla* Dall; 6.5.
 12. *Lunatia fringilla* Dall; 5.75.

PLATE XXII.

- FIG. 1. *Turcicula imperialis* Dall, immature shell without the apical whorls; 13.0.
 1 a. *Turcicula imperialis* Dall; base, 13.0.
 2. *Basilissa alta* Watson, var. *delicatula* Dall; alt. 5.0.
 2 a. *Basilissa alta* Watson, var. *delicatula* Dall; base, diam. 6.0.
 3. *Calliostoma circumcinctum* Dall; diam. 6.9.
 3 a. *Calliostoma circumcinctum* Dall; alt. 8.0.
 4. *Gaza superba* Dall; profile, alt. 24.0.
 4 a. *Gaza superba* Dall; base, diam. 35.5.
 5. *Microgaza rotella* Dall; base, diam. 6.75.
 5 a. *Microgaza rotella* Dall; profile, alt. 4.0.
 6. *Fluxina brunnea* Dall; profile, alt. 10.75. The margins of the aperture are broken.
 6 a. *Fluxina brunnea* Dall; base, diam. 15.5.
 7. *Callogaza Watsoni* Dall; profile, alt. 7.75.
 7 a. *Callogaza Watsoni* Dall; base, diam. 12.5.

PLATE XXIII.

- FIG. 1. *Callogaza Watsoni* Dall, young; 8.0.
 1 a. *Callogaza Watsoni* Dall, young; 8.0.
 2. *Liotia variabilis* Dall; base, diam. 6.0. A calcareous foraminifer is attached to the periphery.
 2 a. The same in profile, alt. 4.5.
 3. *Solarium Sigsbeeii* Dall; diam. 5.5. Margin of aperture defective.
 3 a. The same in profile, alt. 2.3.
 4. *Basilissa costulata* Watson var. *depressa* Dall; base, diam. 5.0.
 4 a. *Basilissa costulata* Watson var. *depressa* Dall; profile, alt. 2.5.
 5. *Fluxina discula* Dall; profile, alt. 3.0.
 6. *Fluxina discula* Dall; base, 6.5.
 7. *Calliostoma (Dentistyla) asperrimum* var. *dentiferum* Dall; base, 6.0.
 8. *Calliostoma (Dentistyla) asperrimum* var. *dentiferum* Dall; profile, showing tooth on the pillar; 7.5.

PLATE XXIV.

- FIG. 1. *Calliostoma (Dentistyla) sericifilum* Dall; 4.2.
 1 a. *Calliostoma (Dentistyla) sericifilum* Dall; base, 4.5.
 2. *Callogaza Watsoni* Dall, base of young shell; 6.0.
 2 a. *Callogaza Watsoni* Dall; 6.0.
 3. *Calliostoma apicinum* Dall; alt. 7.5.
 3 a. *Calliostoma apicinum* Dall; base, diam. 7.0.
 4. *Calliostoma yucatecanum* Dall; 7.0.
 4 a. *Calliostoma yucatecanum* Dall; base, 7.0.
 5. *Liotia briareus* Dall; alt. 7.5.
 5 a. *Liotia briareus* Dall; base, 9.0.
 6. *Calliostoma roseolum* Dall; alt. 9.5.
 6 a. *Calliostoma roseolum* Dall; base, 7.0.
 7. *Leptothyra Philipiana* Dall; alt. 3.5.
 7 a. *Leptothyra Philipiana* Dall; base, diam. 4.0. This species is named in honor of Dr. Philip P. Carpenter.

PLATE XXV.

- FIG. 1. *Addisonia (lateralis* var. ?) *paradoxa* Dall; from above; 10.0.
 1 b. *Addisonia (lateralis* var. ?) *paradoxa* Dall, profile; alt. 4.0.
 1 c. *Addisonia (lateralis* var. ?) *paradoxa* Dall; from below, showing soft parts.
 1 d. *Addisonia (lateralis* var. ?) *paradoxa* Dall; showing animal crawling.
 1 e. *Addisonia (lateralis* var. ?) *paradoxa* Dall; dentition, complete series across the radula.
 2. *Cocculina Beanii* Dall; dentition, transverse series and one detached uncinus.
 3. *Pectinodonta arcuata* Dall; dentition, pair of laterals.
 3 a. *Pectinodonta arcuata* Dall; base of right lateral, with cusp broken off.
 3 b. *Pectinodonta arcuata* Dall; shell in profile, twice natural size.
 4. *Cocculina Beanii* Dall; in profile; 8.0.
 5. *Cocculina Rathbuni* Dall; dentition, transverse series and two detached uncini.
 6. *Lepetella tubicola* Verrill; dentition, transverse series.
 7. *Cocculina Rathbuni* Dall, from above; 10.0.
 7 a. *Cocculina Rathbuni* Dall, in profile; 10.0.
 8. *Cocculina Beanii* Dall, from above; 8.0.

PLATE XXVI.

- FIG. 1. *Dentalium sericatum* Dall; 13.0.
 2. *Turbonilla interrupta* Totten; foot of animal from below, greatly magnified.
 2 b. *Turbonilla interrupta* Totten; animal from above.
 3. *Turritella yucatecana* Dall; 16.5.
 4. *Siliquaria modesta* Dall; 26.0.
 5. *Dentalium ceratum* Dall; 30.0.
 6. *Bivonia? eserta* Dall, young in first stage; 11.0.
 7. *Puncturella circularis* Dall; from below; 5.75.
 7 b. *Puncturella circularis* Dall, profile; 5.75.
 7 c. *Turbonilla curta* Dall; the aperture is imperfect; 8.3.
 7 d. *Turbonilla belothea* Dall; 14.0.
 8. *Puncturella trifolium* Dall, from below; 14.0.
 8 b. *Puncturella trifolium* Dall, profile; 14.0.
 8 c. *Hanleyia tropicalis* Dall; medial valve; 4.0.
 8 d. *Hanleyia tropicalis* Dall; posterior valve; 3.0.
 9. *Dentalium ophiodon* Dall; 12.5.
 10. *Mathilda barbadense* Dall; .2.

PLATE XXVII.

- FIG. 1. *Dentalium laqueatum* Verrill; 29.0.
 2. *Dentalium ceratum* Dall, v ry young; 7.0.
 :. *Dentalium carduus* D. ll; 16.0.
 4. *Dentalium Gouldii* Dall, var. *obscurum*; 28.0.
 5. *Cadulus quadridentatus* Dall, and outline of aperture; 10.0.
 6. *Dentalium perlongum* Dall, and outline of aperture; 80.0.
 7. *Cadulus amiantus* Dall; 5.75.
 8. *Cadulus lunula* Dall, and outline of aperture; 6.0.
 9. *Cadulus æqualis* Dall, and outline of aperture; 15.0
 10. *Dentalium callithrix* Dall; 25.0.
 11. *Cadulus acus* Dall; 8.0.
 12. *Dentalium ensiculus* Jeffreys, and outline of aperture; 20.0.
 12 a. *Cadulus Watsoni* Dall, and outline of aperture; 13.0.
 12 b. *Dentalium callipeplum* Dall; 36.0.
 12 c. *Cadulus Agassizii* Dall, and outline of aperture; 9.0.
 12 d. *Cadulus cucurbita* Dall, and outline of aperture, 4.0.

NOTE.—When the outline of the aperture is given it is on the same scale as the figure to which it refers, and its antero-posterior line is from left to right, or in the direction of a line drawn across the plate horizontally.

PLATE XXVIII.

- FIG. 1. *Margarita erythrocoma* Dall; alt. 5.0.
 2. *Calliostoma orion* Dall; alt. 4.5.
 3. *Ethalia solida* Dall; base, 2.75.
 4. *Rimula frenulata* Dall; from above; 6.25.
 5. *Ethalia solida* Dall, profile; 2.0.
 6. *Fossarus (Gottoina) compactus* Dall, profile; 2.3.
 7. *Ethalia reclusa* Dall, profile; alt. 1.0.
 8. *Ethalia reclusa* Dall, base; 2.1.
 9. *Cyclostrema pompholyx* Dall; 4.2.
 10. *Fossarus (Gottoina) bellus* Dall; 3.5.
 11. *Liotia miniata* Dall; 2.5.

PLATE XXIX.

- FIG. 1. *Pleurotomaria Quoyana* F. & B. The animal sketched from life by J. H. Blake, redrawn by McConnell; 50.0.
 2. *Lampusia gracile* Reeve; 25.5.
 3. *Aurinia Gouldiana* Dall; 69.0.
 4. *Fusus caloosacnsis* Heilprin; 60.0. In arranging the figures for the plates, by an error this figure was substituted for that of *F. timessus*, Dall. The figure of *F. timessus* will therefore appear in my Report on the Fossils of the Florida Pliocene.
 5. *Æsopus Stearnsii* Tryon; 4.0.
 6. *Terebra (Acus) benthalis* Dall; 21.0.
 7. *Dolophanes Gabbii* Dall; 9.00.
 8. *Mesostoma migrans* Dall; 9.25.

PLATE XXX.

- FIG. 1. *Pleurotomaria Adansoniana* C. & F. Redrawn by McConnell from water-color sketch from life by J. H. Blake. The shell is merely indicated.
2. Anterior termination of gill in *P. Adansoniana*. *a*, osphradium; *b*, blood sinus (?). Only the inner series of gill lamellæ is here indicated. At this part of the gill they are narrow and pointed; farther back they become broader and more rounded at the distal end.
 3. Posterior free termination of intestine (*c*) lying on the glandular (renal ?) organ, behind which in the commissure are two orifices on each side (*a*), with a short bunch of papillæ behind them and the flaps of the mantle with their papillose edges (*b*) corresponding to the edges of the sinus on each side.
 4. Another specimen.
 5. The first specimen crawling.
 6. The head, viewed from above.

PLATE XXXI.

- FIG. 1. *Pleurotomaria Quoyana* F. & B. Rhachidian and lateral teeth much magnified. 1 *b*, one of the outermost uncini; 1 *c*, one of the inner tricuspid uncini greatly magnified.
2. *Propilidium ancyloide* Forbes. Transverse row of teeth from above. 2 *b*, rhachidian and lateral teeth in profile; 2 *c*, jaw. All much magnified. Scandinavia and Britain.
 3. *Pleurotomaria Adansoniana* C. & F. Separated teeth numbered in their order from the rhachis; *o*, rhachidian tooth.
 4. General view of a single transverse row of teeth.
 5. Same, a single tufted uncinus; $\frac{11^2}{1}$.
 6. Same, end of tufted uncinus; $\frac{25^0}{1}$.
 7. *Cocculina spinigera* Jeffreys. Penis from above magnified.
 8. *Cocculina spinigera* Jeffreys. Head from above, showing tentacles and position of penis at the side of the right tentacle, magnified.
 9. Rhachidian tooth of *C. spinigera*.
 10. *Scutellina antillarum* Shuttleworth. Showing rhachidian tooth laterals and consolidated uncini of one side of a single transverse row of the radula; $\frac{18^0}{1}$.
 11. The same, a single separated uncinus.

PLATE XXXII.

- FIG. 1. *Calliostoma (Eutrochus) cinctellum* Dall; 8.0.
2. *Pleurotoma periscelida* Dall; 40.5.
 3. *Calliostoma (Eucasta) indiana* Dall; 7.6.
 4. *Calliostoma (Eutrochus) cinctellum* Dall; 9.5.
 5. *Calliostoma (Eucasta) indiana* Dall; 8.5.
 6. *Liotia (Lippistes) acrilla* Dall; 4.3.
 7. *Calliostoma (Eutrochus) Benedicti* Dall; 18.0.
 8. *Margarita (Bathymophila) euspira* Dall; alt. 5.75; max. diam. 7.0.
 9. *Liotia (Lippistes) amabilis* Dall; 5.0.
 10. *Pleurotomaria Adansoniana* C. & F.; 35.0.
 11. *Liotia (Lippistes) acrilla* Dall; 4.3.
 12. *Liotia (Lippistes) amabilis* Dall; 5.0.
 - 12a. *Nassarina Grayi* Dall; 12.0.

PLATE XXXIII.

- FIG. 1. *Calliostoma corbis* Dall; 5.0.
 2. *Solarium peracutum* Dall; 17.5.
 3. *Ovulaetæon Meekii* Dall; apex 3.0.
 4. *Ovulaetæon Meekii* Dall; 5.5.
 5. *Solarium peracutum* Dall; 17.5.
 6. *Cyclostrema turbinum* Dall; 3.25.
 7. *Euchelus guttarosæ* Dall; 5.00.
 8. *Liotia Bairdii* Dall; 6.0.
 9. *Leptothyra Linnei* Dall; 5.5.
 10. *Calliostoma (Eutrochus) Sayanum* Dall; 40.0.
 11. *Calliostoma (Eutrochus) Sayanum* Dall; 37.0.

PLATE XXXIV.

These figures are from drawings by the late Dr. William Stimpson.

- FIG. 1. *Olivella nutica* Say. *a-g*, varieties of form and color, natural size; *h*, operculum, natural size; *i, l*, operculum outside and inside, magnified; *m*, animal crawling; *n*, head, showing absence of eyes and tentacles; *o*, section of oral aperture magnified; *p*, penis; *r*, section of shell showing absorption of internal walls.
 2. *Olivella nutica* Say; dentition.
 3. *Purpura hæmastoma* Linné var. *floridana* Conrad. *c*, animal from below, natural size; *d*, head and verge from above.
 4. *Purpura hæmastoma* Linné var. *floridana* Conrad; dentition.
 5. *Scaphella junonia* Hwass. *b*, shell one-half natural size; *c*, sculpture of early whorls; *d*, nucleus; *e*, section of shell.
 6. *Volutomitra grönlandica* Beck. Young shell and magnified nucleus. Cape Cod northward.
 7. *Volutomitra grönlandica* Beck. Rhachidian tooth; *a*, from above; *b*, in profile.
 8. *Oliva literata* Lamarek. *a*, animal crawling, $\frac{2}{3}$; *b*, tentacula and eyes; *c*, soft parts removed from the shell, showing (*f'*) foot, (*g*) propodium, (*h*) respiratory siphon, (*i*) vent, (*l*) posterior filament of mantle, (*m*) mantle raised up, (*n*) verge, (*o*) gill; *d*, section of muzzle showing proboscis extruded; *e*, gill and sensory organ (osphradium).
 8♀. *Oliva literata* Lamarek. Dentition taken from a female specimen.

PLATE XXXV.

- FIG. 1. *Mitromorpha biplicata* Dall; 7.0.
 2. *Aurinia robusta* Dall; 119.0.
 3. *Columbella (Astyris) profundus* Dall; 8.0.
 4. *Cancellaria (Trigonostoma) Agassizi* Dall; 13.5.
 5. *Fusus eucosmius* Dall; 85.0.
 6. *Benthobia Tryoni* Dall; 13.0.
 7. *Fusus halistreptus* Dall; 80.0.
 8. *Marginella cassis* Dall; 15.0.
 9. *Columbella (Astyris) diaphana* Verrill; 9.0.
 10. *Conomitra Blakeana* var. *æviior* Dall; 9.75.
 11. *Liomesus? Stimpsoni* Dall; 32.5.
 12. *Eudolium Verrillii* Dall; 32.0.
 12 a. *Sipho (Ttychosalpinx?) globulus* Dall; 31.0.

PLATE XXXVI.

- FIG. 1. *Drillia alesidota* var. *macilentata* Dall; 36.5.
 2. *Lampusia pharcida* Dall; 23.6.
 3. *Drillia (Cymatosyrinx) Moseri* Dall; 30.0.
 4. *Daphnella pompholyx* Dall; 12.5.
 5. *Leucosyrinx tenoceras* Dall; 60.0.
 6. *Pleurotomella Edgariana* Dall; 58.0.
 7. *Mesorhytis Meekiana* Dall; 15.5.
 8. *Terebra nassula* Dall; 55.0.
 9. *Drillia (Cymatosyrinx) centimata* Dall; 22.5.
 10. *Drillia (Cymatosyrinx) apynota* Dall; 15.0.
 11. *Cordieria Rouaultii* Dall; 13.6.

PLATE XXXVII.

- FIG. 1. *Cancellaria (Trigonostoma) Smithii* Dall; 10.5.
 2. *Calliostoma aurora* Dall; lat. 26.5.
 3. *Ringicula nitida* Verrill; 7.5.
 4. *Pleurotomaria (Entemnotrochus) Adansoniana* Crosse and Fischer; major diam. 88.0.
 5. *Pleurotomaria (Perotrochus) Quoyana* Fischer and Bernardi; major diam. 48.0.
 6. *Gaza Fischeri* Dall, enlarged three-fifths; diameter of specimen, 25.0.

PLATE XXXVIII.

- FIG. 1. *Pleurotoma (Leucosyrinx) subgrundifera* Dall; 30.0.
 2. *Marginella Watsoni* Dall; 9.5.
 3. *Pleurotoma (Ancistrosyrinx) elegans* Dall; 27.0.
 4. *Vermetus (Pelaloconchus) erectus* Dall; 25.0.
 5. *Typhis (Trubatsa) longicornis* Dall, adult; 23.0.
 6. *Leptothyra induta* Watson var. *albida* Dall; 7.0.
 7. *Mitra Swainsoni* Broderip var. *antillensis* Dall; 80.0.

PLATE XXXIX.

- FIG. 1. *Bushia elegans* Dall; 12.5.
 2. *Cetoconcha bulla* Dall; interior of left valve; 13.0.
 3. *Cetomya elongata* Dall; left valve; 22.5.
 4. *Verticordia perversa* Dall; 5.0.
 5. *Cetoconcha bulla* Dall; left valve; 13.0.
 6. *Terebratulina cubensis* Pourtales, side view of shell adhering to a bit of coral, natural size.
 7. *Verticordia (Euciroa) elegantissima* Dall; left valve of old individual, natural size.
 8. *Terebratulina Cailleti* Crosse, young specimen considerably magnified.
 9. *Eudesia floridana* Pourtales; natural size.
 10. *Terebratulina cubensis* Pourtales; interior of hæmal valve enlarged about one-fourth, from an original drawing by W. H. Dall.
 11. *Eudesia floridana* Pourtales; interior of hæmal valve, natural size, from an original drawing by W. H. Dall.

PLATE XL.

- FIG. 1. *Pecten phrygium* Dall; 36.5.
 2. *Cuspidaria microrrhina* Dall, dorsal view of right valve, natural size
 3. The same, side view.
 4. *Cardium* (*Fulvia*?) *peramabilis* Dall; †.
 5. *Callocardia* (*Vesicomya*) *venusta* Dall; 19.0.
 6. *Amusium* *Dalli* E. A. Smith, natural size.
 7. *Meiocardia Agassizii* Dall; 22.0.
 8. *Tindaria amabilis* Dall; 15.0.

PLATE XLI.

- FIG. 1. *Mangilia oxytata* Bush.
 2. *Mangilia lanceolata* Adams var. *psila* Bush.
 3. *Mangilia melanitica* Dall var. *oxia* Bush.
 3 a. *Mangilia melanitica* Dall var.
 4. *Mangilia atrostyla* Dall.
 4 a. *Mangilia atrostyla* Dall.
 5. *Nassarina glypta* Bush.
 5 a. *Nassarina glypta* Bush.
 6. *Triforis turris-thomæ* Orbigny.
 7. *Adeorbis supranitidus* Wood.
 7 a. *Adeorbis supranitidus* Wood.
 8. *Scala teres* Bush.
 9. *Eulimella*? *engonia* var. *teres* Bush.
 10. *Niso interrupta* Sby. var. *agleës* Bush.
 11. *Volvula acuta* Orbigny.
 12. *Volvula oxytata* Bush.
 13. *Tornatina Candei* Orbigny.
 14. *Cylichnella bidentata* Orbigny.
 15. *Retusa calata* Bush.
 16. *Philine sagra* Orbigny.
 16 a. *Philine sagra* Orbigny.
 17. *Actæon punctostriatus* Adams, var.
 18. *Dentalium leptum* Bush.
 18 a. *Dentalium leptum* Bush.
 19. *Cadulus carolinensis* Bush.
 20. *Cadulus quadridentatus* var. *incisus* Bush.
 21. *Cuspidaria ornatissima* Orbigny.

The drawings for this plate were made by Miss Bush, and lent by Professor Verrill for use in the present publication. They first appeared in the Transactions of the Connecticut Academy of Sciences (vol. vi, part ii, plate xiv).

PLATE XLII.

- FIG. 1. *Pteronotus phaneus* Dall; 17.0.
 2. *Pseudamusium strigillatum* Dall; 10.0.
 3. *Eupleura Stimpsoni* Dall; 12.0.
 4. *Crassatella floridana* Dall; 50.0.
 5. *Benthonella gaza* Dall; 10.0.
 6. *Marginella cineracea* Dall; 13.0.
 7. *Mitra Bairdii* Dall; 35.0.
 8. *Scala babylonica* Dall; 30.0.
 9. *Pecten effluens* Dall; 26.0.
 10. *Peristichia toreta* Dall; 10.75.
 11. *Cyclostrema cistronium* Dall; max. diam, 2.0.

The figures on this plate are unpublished and were drawn for the U. S. Fish Commission by J. C. McConnell.

PLATE XLIII.

- FIG. 1. *Argonauta argo* Lin. var. *americana* Dall. The animal slightly contracted by alcohol.
- 1 a. The same, the shell from in front.
 - 1 b. The same, from the side.
 2. *Abralia megaptera* Verrill, front view of one of the sessile arms, $\frac{2}{3}$.
 3. *Cavolinia* (*Diacria*?) *Hargerii* Verrill. This is referred by Pelseneer to the young of some indeterminate *Cavolinia*, but the large size of the shell and the absence of intermediate specimens would seem to render this decision questionable.
 4. *Atlanta Peronii* Lesueur, side view.
 - 4 a. The same, front view.
 5. *Heterodoris robusta* V. and E., dorsal view.
 - 5 a. The same, ventral view.
 6. *Doris complanata* Verrill and Emerton, dorsal view.
 7. *Koonsia obesa* Verrill, somewhat distorted by alcohol; $\frac{3}{4}$.
 8. *Cæcum Cooperi* Smith: anterior part of shell showing animal extended, enlarged about 10 diameters.

This plate appeared in the Transactions of the Connecticut Academy of Sciences (vol. vi, pl. xxviii). The figures were drawn for the U. S. Fish Commission by Mr. J. H. Emerton.

PLATE XLIV.

- FIG. 1. *Coralliophila Deburghiæ* Reeve var. *Lintoni* Verrill; 27.0.
2. *Eudolium Crosseanum* Monterosato; 60.0.
 - 2 a. The same, part of the odontophore, $\frac{2}{3}$.
 - 2 b. The same, animal partly contracted by alcohol.
 3. *Lunatia levicula* Verrill; 39.0.
 4. *Marginella* (*apicina* var.?) *borealis* Verrill 11.0.
 5. *Adeorbis*? *olivaceus* Verrill; 4.0.
 6. *Capulus hungaricus* Linné; 20.0.
 7. *Pleurotomella Packardii* Verrill; soft parts.
 8. *Mangilia comatropis* Dall.
 9. *Choristes elegans* Carpenter, young shell, enlarged.
 - 9 a. Top view of a somewhat older specimen same scale.
 - 9 b. Basal view of a still older specimen, same scale.
 10. *Addisonia paradoxa* Dall, part of the radula.
 11. The same, shell in profile, $\frac{2}{3}$.
 - 11 a. The same, dorsal view of the same specimen.
 - 11 b. The same, the animal, viewed from below, in shell $\frac{2}{3}$.
 12. *Cocculina Beanii* Dall, $\frac{2}{3}$.
 13. *Glyphis Tanneri* Verrill, top; 35.0.
 - 13 a. " " " profile; alt. 17.0.
 14. *Solariella Ottoi* Philippi, part of one side of the radula.
 15. *Utriculus vortex* Dall; $\frac{2}{3}$.
 16. *Mangilia cerina* Kurtz & Stimpson, soft parts, from life, enlarged about 8 diameters.
 - 16 a. *Mangilia cerina* K. & S., dorsal view of head and foot more extended.

This plate first appeared in the Transactions of the Connecticut Academy of Sciences (vol. vi, pl. xxix). The figures were drawn for the U. S. Fish Commission, by J. H. Emerton, under the direction of Prof. A. E. Verrill.

PLATE XLV.

- FIG. 1. *Placophora atlantica* Verrill & Smith; nat. size.
 1 a. The same, dorsal view.
 1 b. The same, views of detached valves, two diameters.
 2. *Trachydermon exaratus* Sars; 20.0.
 2 a. The same, ventral view.
 2 b. Anterior valve, $\frac{1}{2}$.
 3. *Cuspidaria lamellosa* Sars; 7.3.
 4. *Lyonsia*? *arata* Verrill & Smith; 36.0.
 5, 6. The same; views of the beak and hinge of two specimens to show variations; $\frac{1}{2}$.
 7. *Lyonsiella* (*in sculpta* Jeffreys var.?) *gemma* Verrill; 4.5. Interior of left valve.
 8. The same; exterior of the right valve of a larger specimen.
 9. *Verticordia* (*Trigonulina*) *ornata* Orbigny; 3.0.
 9 a. The same, view of the interior.
 10. *Diplodonta turgida* Verrill & Smith; 25.0.
 11. The same, interior of a somewhat smaller valve.
 12. *Modiola polita* Verrill & Smith; 33.0.
 13. *Tellimya ferruginosa* Montagu; 8.5, with the animal extended.
 14. *Leda pernula* Müller; 17.0. Halifax to Martha's Vineyard, on the American coast; Europe.
 14 a. The same, view of the hinge.
 15. *Leda acuta* Conrad; 12.0. Side view.
 16. *Idas argenteus* Jeffreys, var. *lamellosus* Verrill & Smith; $\frac{1}{2}$.
 16 a. The same, interior of the right valve; $\frac{1}{2}$.

This plate first appeared in the Transactions of the Connecticut Academy of Sciences (vol. vi., pl. xxx). The figures were drawn, under the direction of Prof. A. E. Verrill, for the U. S. Fish Commission, by J. H. Emerton.

PLATE XLVI.

- FIG. 1. *Purpura hæmastoma* Linné var. *floridana* Conrad, operculum, inside view, nat. size.
 1 a. The same, outside view.
 2 a. The same, a view of the shell, nat. size.
 2 b. The same, from the opposite side. [The preceding figures were drawn by the late Dr. William Stimpson.]
 3. *Pleurotomella chariessa* Watson; 52.0.
 4. *Pleurotomella tinctoria* Verrill; 22.0.
 5. *Pleurotomella frielei* Verrill; 22.0.
 6. *Pleurotomella vitrea* Verrill; 8.0.
 7. *Pleurotomella lottæ* Verrill; 11.5.
 8. *Pleurotomella* (*Gymnobela*) *blakeana* Dall; 8.0.
 9. *Admete*? *nodosa* Verrill; 12.0.
 10. *Jumala brychia* Verrill; 41.0.
 10 a. The same, operculum.
 11. *Laxispira nitida* Verrill; 5.0.
 12. *Omalaxis nobilis* Verrill; diam. 11.0, alt. 3.0.
 13. *Pleurobranchus americanus* Verrill; 13.5.
 14. *Coleophysis*? *eburnea* Verrill; 6.0.
 15. *Actæon melampoides* Dall; 8.0.

PLATE XLVI—Continued

- FIG. 16. *Dentalium candidum* Jeffreys; 75.0;
 17. The same, young shell; 35.0.
 18. *Dentalium laqueatum* Verrill; 45.0.
 19. *Cadulus spectabilis* Verrill; 22.0.
 20. *Cadulus grandis* Verrill; 12.5.
 21. *Pseudamysium undatum* Verrill & Smith; 19.0.
 22. *Cryptodon grandis* Verrill; 21.0.
 23. *Barbatia* (*Macrodon*?) *profundicola* Verrill; 12.0.
 23. The same, interior of left valve.
 24. *Discinisca atlantica* King; 6.2; view from above, the setæ projecting from the shell.

With the exceptions mentioned, the figures above enumerated first appeared in the Transactions of the Connecticut Academy of Sciences (vol. vi, pl. xlv). They were drawn under the supervision of Prof. A. E. Verrill, for the U. S. Fish Commission, by Messrs. J. H. Blake and J. H. Emerton.

PLATE XLVII.

- FIG. 1. *Melampus flavus* Gmelin; 12.0.
 2. *Melampus floridanus* Shuttleworth; 7.5.
 3. *Melampus coffeus* Linné, nat. size.
 4. *Pedipes elongatus* Dall; 4.0.
 5. *Tralia pusilla* Gmelin; 11.0.
 6. *Pedipes unisulcatus* Cooper, west coast of America. Introduced for comparison.
 7. *Detracia bulloides* Montagu; 11.0.
 8. *Auriculastrum pellucens* Menke; 16.0. In old specimens the peristome becomes rather thick.
 9. *Melampus lineatus* Say; nat. size.
 10. *Sayella Crosseana* Dall; 2.5.
 11. *Sayella Hemphilli* Dall; 3.75.
 12. *Melampus lineatus* Say, typical or banded form, nat. size.
 13. *Leuconia bidentata* Montagu.
 14. *Blauneria heteroclita* Montagu.
 15. *Pedipes liratus* Binney; 3.3. This is extremely similar to *P. mirabilis* Muhl. feldt, the common species of the Antilles, Bermuda, and the Florida region. It is introduced for comparison.
 16. *Melampus olivaceus* Carpenter, nat. size. West America.
 17. *Pedipes mirabilis* Muhl. feldt, var. *naticoides* Stearns; 3.6.

Figures 4, 6, 8, 10, 11 were drawn by J. C. McConnell, and have appeared in the Proceedings of the National Museum; Fig. 17 was drawn by Prof. E. S. Morse; the remainder are extracted from Binney's Land and Fresh Water Shells of North America, published by the Smithsonian Institution, and were furnished by the Institution for this publication.

PLATE XLVIII.

- FIG. 1. *Drillia thea* Dall; 15.0.
 2. *Oscilla nivea* Mörch; 8.5.
 3. *Mangilia limonitella* Dall; 6.75.
 4. *Turbonilla (Parthenia) cedrosa* Dall; 5.5. The aperture is a little broken.
 5. *Mitra floridana* Dall; 6.0.
 6. *Phos parvus* Ads. var. *intricatus* Dall; 13.2.
 7. *Drillia leucocyma* Dall; 7.5. The last whorl of this specimen has been repaired after fracture.
 8. Teeth of *Capulus hungaricus* Linné, much enlarged.
 9. *Sipho pygmaeus* Gould, showing soft parts.
 10. *Tachyrhynchus crosa* Couthouy?, showing animal and part of the shell, enlarged. Cape Cod northward, West America, Arctic Seas.
 11. *Liostraca Hemphillii* Dall; 3.0.
 12. *Crepidula (Janacus) unguiformis* Lamarck, dentition much enlarged.
 13. *Nassa trivittata* Say, twice nat. size, showing animal as if crawling.
 14. *Limacina helicina* Phipps; dentition, enlarged.
 15. *Scissurella crispata* Fleming, showing animal, from a sketch by Lucas Barrett; 4.0.
 16. *Crepidula fornicata* Lamarck, from below, showing soft parts; 20.0.

Figures 1-7 and 11 were drawn by J. C. McConnell and first appeared in the Proceedings of the U. S. National Museum. Figures 9, 10, 13, and 16 were loaned by the U. S. Fish Commission and are now first published. They were drawn by Prof. A. E. Verrill. Figures 8, 12, 14, and 15 have appeared in the publications of the British Museum and Woodward's Manual, and were loaned by the Smithsonian Institution.

PLATE XLIX.

- FIG. 1. *Terebratulina caputserpentis* Linné, showing interior of hæmal valve somewhat enlarged. *T. septentrionalis* Couthouy (see plate lxix) appears to be an American race of this species.
 2. The same, showing soft parts.
 3. *Platidia seminula* Philippi (*P. anomioides* Scacchi); interior of hæmal valve, much enlarged.
 4. The same, showing soft parts; 4.5.
 5. *Yoldia limatula* Say, showing animal; †.
 6. *Parastarte triquetra* Conrad; 5.0. Exterior.
 7. The same, interior of right valve.
 8. The same, interior of left valve.
 9. *Mya arenaria* Linné with the left valve, and mantle-lobe and part of the siphons removed, showing anatomical features: *a*, anterior adductor muscle; *a'* posterior adductor; *b*, visceral mass or body; *cl*, cloaca; *e*, epidermis of siphons; *f*, foot; *g*, gills; *h*, heart; *m*, cut edge of the mantle; *o*, mouth; *s*, *s'*, siphons; *t*, labial palpi; *v*, vent; *u*, the umbo of the shell; *p. o.*, pedal orifice of the mantle; *r*, rectum. From a drawing by Miss Hume.
 10. *Lyonsia hyalina* Conrad, showing animal extended.
 11. *Thecidium mediterraneum* Sowerby; 5.5; interior of hæmal valve showing soft parts.

Figure 10 is loaned by the U. S. Fish Commission. Figures 6, 7, and 8 are taken from the Proceedings of the U. S. National Museum. The others are from the British Museum series, and were loaned by the Smithsonian Institution.

PLATE L.

- FIG. 1. *Purpura lapillus* Linné.
 2. The same; a younger specimen.
 3. The same; ovicapsules enlarged about four times.
 4. *Chrysodomus (Sipho) pygmaeus* Gould.
 5. *Scala mullistriata* Say.
 6. *Urosalpinx cinereus* Say.
 7. *Nassa trivittata* Say.
 8. *Nassa vibex* Say.
 9. *Nassa (Ilyanassa) obsoleta* Say.
 10. *Scala Sayana* Dall; 17.0.
 11. *Eupleura caudata* Say, small northern form.
 12. *Anachis avara* Say, variety.
 13. *Astyris pura*? Verrill; (*A. zonalis* Linsley, non Verrill).
 14. *Mangilia?* *plicosa* C. B. Adams.
 15. *Mangilia?* *bicarinata* Couthouy.
 16. *Astyris lunata* Say.
 17. *Bela harpularia* Couthouy.
 18. *Lunatia triseriata* Say; young.
 19. The same; older specimen.
 20. *Lunatia immaculata* Totten.
 21. *Natica pusilla* Say.
 22. *Cæcum pulchellum* Stimpson.
 23. *Crepidula fornicata* Lamarek.
 24. The same; young specimen.
 25. *Crepidula convexa* Say.
 26. *Crepidula (unguiformis* Lam. var.?) *plana* Say.
 27. *Crucibulum striatum* Say; profile.
 28. The same, from below.

Except where otherwise indicated the figures are of natural size. These figures were drawn by E. S. Morse, were first published in Mr. W. G. Binney's edition of Gould's Invertebrata of Massachusetts, and were loaned on the present occasion by the U. S. Fish Commission.

PLATE LI.

- FIG. 1. *Lunatia heros* Say, showing animal crawling.
 2. *Acmæa testudinalis* Linné, profile.
 3. The same, from below.
 4. *Vermicularia spirata* Philippi.
 5. *Litorina palliata* Say.
 6. *Litorina rudis* Maton.
 7. *Acmæa testudinalis* var. *alveus* Couthouy, profile.
 8. The same from below.
 9. *Trachydermon ruber* Linné.
 10. *Chaetopleura apiculata* Say.
 11. *Lunatia heros* Say.
 12. *Neverita duplicata* Say.

The same remarks apply to these figures as to those included in Plates L, LII, and LIII.

PLATE LII.

- FIG. 1. *Eumeta subulata* Montagu; (*Cerithiopsis Emersonii* Ad.).
 2. *Cerithiopsis Greenii* C. B. Adams.
 3. *Triforis adversa* var. *nigrocincta* Adams.
 4. *Bittium alternatum* Say; (*B. nigrum* Totten).
 5. *Seila terebralis* C. B. Adams.
 6. *Turbonilla elegans* Verrill.
 7. *Odostomia bisuturalis* Say.
 8. *Odostomia trifida* Totten.
 9. *Alexia myosotis* Draparnaud, young shell.
 10. *Odostomia seminuda*.
 11. *Odostomia impressa* Say.
 12. *Rissoa* (*Onoba*) *aculeus* Gould.
 13. *Syrnola producta* Adams.
 14. *Eulima intermedia* Cautraine (*E. oleacea* K. and S.).
 15. *Syrnola fusca* Adams.
 16. *Solariella obscura* Couthouy.
 17. *Rissoa* (*Cingula*) *minuta* Totten.
 18. *Skenea planorbis* Fabricius.
 19. *Lacuna vineta* Montagu.
 20. *Haminea solitaria* Say.
 21. *Cylichna alba* Brown.
 22. *Actæon puncto striatus* Adams.
 23. *Cylichnella oryza* Stimpson.
 24. *Diaphana debilis* Gould.
 25, 26. *Utriculus pertenuis* Mighels, a series showing variations.
 27. *Tornatina canaliculata* Say; 5.0.

Figures 6, 25, and 26 were loaned by the U. S. Fish Commission; and were drawn by Prof. A. E. Verrill. See remarks under Plate L.

PLATE LIII.

- FIG. 1. *Anomia simplex* Orbigny, side view.
 2. The same, from below.
 3. *Siliqua costata* Say.
 4. *Ensis americana* Gould.
 5. *Anomia aculeata* Gmelin, from above.
 6. The same, from below.
 7. The same, sculpture magnified.
 8. The same, smooth variety.
 9. *Modiolaria corrugata* Stimpson.
 10. *Crenella glandula* Totten.
 11. *Pecten irradians* Lamarck, typical form.

For remarks see note to Plate L.

PLATE LIV.

- FIG. 1. *Modiola plicatula* Lamarck, typical form.
 2. *Modiolaria nigra* Gray.
 3. *Mytilus edulis* Linné, rayed color-variety.
 4. *Modiola modiolus* Linné.

For remarks see note to Plate L.

PLATE LV.

- FIG. 1. *Tellina tenera* Say, showing extended animal.
 2. *Mya arenaria* Linné, showing extended animal.
 3. *Tagelus gibbus* Spengler, showing extended animal.
 4. *Ensis americanus* Gould, showing extended animal.
 5. The same, terminal siphonal papillæ.
 6. *Teredo navalis* Linné, removed from burrow, showing external soft parts, shell, and pallets.
 7. *Venus mercenaria* Linné, showing extended animal.

These figures were loaned by the U. S. Fish Commission. They first appeared in the first Annual Report of the Commission in Prof. A. E. Verrill's report on the invertebrate animals of Vineyard Sound, and were drawn from life by Professor Verrill.

PLATE LVI.

- FIG. 1. *Yoldia limatula* Say.
 2. *Arca transversa* Say.
 3. *Tagelus gibbus* Spengler.
 4. *Nucula proxima* Say.
 5. *Tagelus divisus* Spengler.
 6. *Macoma baltica* Linné, var. *fusca* Adams.
 7. *Kellia planulata* Stimpson, enlarged about twice nat. size.
 8. *Nucula delphinodonta* Mighels, enlarged to about twice nat. size.
 9. *Yoldia sapotilla* Gould.
 10. *Macoma tenta* Say, typical form.
 11. *Gemma purpurea* H. C. Lea (*G. gemma* Totten), identified from Lea's type.
 12. *Tellina tenella* Verrill.
 13. *Tellina tenera* Say.
 14. *Cumingia tellinoides* Conrad.
 15. *Cytherea convexa* Say.
 16. *Arca (Argina) pexata* Say.

For remarks see note under Plate L. Fig. 12 was drawn by Prof. A. E. Verrill.

PLATE LVII.

- FIG. 1. *Cyprina islandica* Linné.
 2. *Mactra solidissima* Dillwyn.

For remarks see note under Plate L.

PLATE LVIII.

- FIG. 1. *Astarte undata* Gould.
 2. *Cryptodon Gouldii* Philippi.
 3. *Solenomya velum* Say.
 4. *Astarte quadrans* Gould, Long Island Sound northward to Nova Scotia.
 5. *Cardium pinnulatum* Conrad.
 6. *Divaricella dentata* Wood.
 7. *Astarte castanea* Say.
 8. *Liocardium Mortoni* Conrad, showing extended animal.
 9. *Venericardia borealis* Conrad, typical form.
 10. *Venericardia borealis* var. *novangliæ* Morse.
 11. *Eriphyla lunulata* Conrad, enlarged.
 12. *Cryptodon obesus* Verrill, greatly enlarged.
 13. *Eriphyla lunulata* Conrad, natural size.
 14. *Lucina filosa* Stimpson.

See Plate L for remarks. Figures 1, 11, and 12 were drawn by Prof. A. E. Verrill.

PLATE LIX.

- FIG. 1. *Xylotrya fimbriata* Jeffreys; showing shell, interior and exterior, pallets, and sculpture, enlarged.
2. *Teredo navalis* Linné; exterior of shell, pallets, and sculpture, enlarged.
3. *Teredo megotara* Hanley; shell, interior and exterior, and pallets, enlarged.
4. *Teredo Thomsoni* Tryon; shell, interior and exterior, and pallets, enlarged.
5. *Thracia myopsis* Beck; Arctic Seas to Cape Cod.
6. *Periploma (Cochlodesma) Leana* Conthony.
7. *Periploma fragilis* Totten.
8. *Gastranella tumida* Verrill, enlarged.
9. *Thracia truncata* Mighels and Adams; Arctic Seas to New York.
10. *Corbula contracta* Say.
11. *Lyonsia hyalina* Conrad.
12. *Pholas (Barnea) truncata* Say.
13. *Saxicava arctica* Deshayes.
14. *Clidiophora Gouldiana* Dall (*C. trilineata* Gould non Say).
15. *Petricola pheladiformis* Lamarek.

For remarks see note under Plate L. Figure 8 was drawn by Prof. A. E. Verrill.

PLATE LX.

- FIG. 66. *Drillia? Dalli* Verrill & Smith.
- 66 a. The same; side view of last whorl, showing anal notch.
67. *Pleurotomella Agassizii* Verrill; adult.
68. *Pleurotomella Bairdii* Verrill.
69. *Pleurotomella Pandionis* Verrill.
70. *Pleurotomella Packardii* Verrill; var. *Benedicti* Verrill & Smith.
- 70 a. The same; nucleus, showing sculpture of larval or *Sinusigera* shell.
71. *Pleurotomella Agassizii* Verrill; young.
- 71 a. The same; nucleus, showing *Sinusigera* sculpture.
72. *Pleurotomella Packardii* Verrill; var. *formosa* Jeffreys.
73. *Mangilia bandella* Dall.
74. *Pleurotomella Emertonii* Verrill & Smith.

The figures on this plate and several which follow were loaned by the U. S. Fish Commission. They first appeared in the Report of the Commissioner of Fisheries for 1883, though reduced copies of them had been used to illustrate Prof. Verrill's papers in the Transactions of the Connecticut Academy of Sciences. They were drawn under the supervision of Prof. Verrill for the U. S. Fish Commission by J. H. Emerton and others.

Some of these figures, in a reduced form, reappear on Plates XLIII-XLVI, but as they are rather small there it was thought best to duplicate them by using the larger figures, since the latter were available. Had all the figures on the reduced scale been available, separately, of larger size, none of the former would have been used; but, after all, the duplication is of little consequence, as, in a general way, it is true that the more good figures there are accessible, the better for students.

PLATE LXI.

- FIG. 75. *Pleurotomella Bruneri* Verrill & Smith.
 76. *Pleurotomella catherinæ* Verrill & Smith.
 76 a. The same, enlarged tip, showing sculpture of nucleus.
 77. *Mangilia comatotropis* Dall.
 78. *Bela Tanneri* Verrill & Smith.
 79. *Marginella (apicina* var. ?) *borealis* Verrill.
 80. *Buccinum abyssorum* Verrill, and operculum.
 81. *Sipho Sarsii* Jeffreys.
 82. *Sipho* (?) *glyptus* Verrill.
 86. *Rissoa Jan-Mayeni* Friele.
 90. *Scala gronlandica* Perry.
 91. *Scala Dalliana* Verrill & Smith.
 92. *Scala Pourtalesii* Verrill & Smith.
 93. *Scala (Opalia) Leeana* Verrill.
 94. *Scala Andrewsii* Verrill; 5.5, Newport, R. Id., 100 fms.

For remarks on these figures see note under preceding plate.

PLATE LXII.

- FIG. 83. *Eudolium Crosseanum* Monterosato.
 83 a. The same, showing soft parts of male specimen reduced one-third from natural size.
 84. *Oöcorys sulcata* Fischer; shell.
 84 a. The same; operculum.
 84 b. The same; dentition.
 85. *Torellia fimbriata* Verrill & Smith; Martha's Vineyard and northward.
 87. *Fossarus elegans* Verrill & Smith.
 88. *Seguenzia monocingulata* Seguenza.
 88 a. The same, operculum, inside view.
 89. The same, var. *eritima* Verrill.

For remarks on these figures see note under Plate LX.

PLATE LXIII.

- FIG. 95. *Solarium boreale* Verrill, young shell.
 95 a. The same, still younger, showing immersed nucleus.
 96. *Calliostoma Bairdii* Verrill & Smith; from above, showing animal crawling.
 97. *Solariella Ottoi* Philippi.
 98. *Solariella lamellosa* Verrill & Smith.
 99. *Cyclostrema fulgidum* Jeffreys.
 100. *Addisonia paradoxa* Dall, from below, showing animal in shell.
 100 a. The same, profile of shell.
 101. *Cocculina leptalea* Verrill.
 102. *Placophora atlantica* Verrill & Smith, viewed from above.
 102 a. The same, viewed from below.
 103. *Amicula vestita* Sowerby var. *Emersonii* Couthouy, viewed from below.
 This is a purely northern species.
 103 a. The same, posterior part of body from below, showing the fenestræ and also the way in which the tail is temporarily channeled to allow of the expulsion of fecal pellets.
 104. *Turbonilla Rathbuni* Verrill & Smith.

For remarks in regard to these figures see note under Plate LX.

PLATE LXIV.

- FIG. 106. *Scaphander nobilis* Verrill.
 123. *Dentalium occidentale* Stimpson; †.
 124. The same, a more curved variety.
 125. The same, a more finely grooved variety.
 125 a. The same, transverse section of Fig. 125.
 126. *Cadulus Pandionis* Verrill & Smith.
 136. *Diplodonta turgida* Verrill & Smith; interior of left valve.
 136 a. *Crenella decussata* Montagu.
 140. *Leda acuta* Conrad; interior of left valve.
 140 a. *Petricola pholadiformis* Lamarck; showing extended siphons.
 141. *Pecten* (*Pseudamusium*?) *vitreus* Gmelin.
 142. *Pseudamusium imbrifer* Lovèn; a, right and b, left valve.
 142 a. *Turtonia minuta* Fabricius, with extended foot, greatly magnified; drawn by Prof. A. E. Verrill.
 142 b. *Argonauta argo* Linné; typical Mediterranean form swimming; for comparison with the variety *Americana*.

Figure 136 a first appeared in the proceedings of the U. S. National Museum, illustrating Miss Bush's paper on the shells of Labrador. Figure 142 b is from the British Museum series, and was lent by the Smithsonian Institution. The others were received from the U. S. Fish Commission. See note under Plate LX. Figure 140 a is one of those drawn by Morse for Binney's Gould. Fig. 142 a is now first published.

PLATE LXV.

- FIG. 127. *Teredo megotara* Hauley; removed from its burrow, showing shell, pallets and soft parts, about half natural size.
 128. *Poromya sublevis* Verrill; interior of right valve.
 128 a. *Siliqua costata* Say; interior, showing hinge, pallial line, and muscular impressions.
 129. *Cuspidaria striata* Jeffreys.
 130. *Cetoconcha bulla* Dall.
 131. *Verticordia* (*Trigonulina*) *ornata* Orbigny, right valve; a, interior, b, exterior view.
 132. *Verticordia flexuosa* Verrill & Smith, exterior of left valve.
 133. *Lyonsia*? *arata* Verrill & Smith, showing hinge in right valve of two specimens, a and b.
 134. The same, exterior of right valve.
 135. *Diplodonta turgida* Verrill & Smith, interior of right valve.

Figure 128 a is now first published. For the others see note under Plate LX.

PLATE LXVI.

- FIG. 110. *Atlanta Peronii* Lesueur, side view of shell.
 110 a. The same, front view.
 111. *Atlanta Gaudichaudi* Eydoux & Souleyet, from a camera lucida sketch by Mr. W. E. Safford.
 112. *Crescis conica* Eschscholtz, showing animal in situ.
 113. *Cavolinia tridentata* Forskål, with animal extended.
 115. *Cavolinia* (*Diacria*) *trispinoza* Gray, with animal extended.
 116. *Cavolinia uncinata* Rang, with animal extended.
 117. *Cuvierina columnella* Rang, showing extended animal, and remnant of the larval cone at the base.
 118. *Crescis recta* Blainville, side view of shell, greatly enlarged.

PLATE LXVI—Continued.

- FIG. 119. *Creseis (Hyalocylix) striata* Rang, showing animal extended, enlarged.
120. *Corolla calceola* Verrill, with extended animal in situ, two-thirds natural size. This species and *C. spectabilis* Dall, of the Pacific, belong to the same group. The former was referred to *Gleba*, Forskål, by Dr. Pelseneer in his description of the Challenger Pteropods, probably on account of the poor state of his material. But *C. spectabilis* has precisely such a "shell" as *C. calceola*, which does not resemble the "shell" of *Gleba*, and has been taken with its "shell" in the Santa Barbara Channel, California. The genus *Cymbuliopsis* Pelseneer, being of later date than *Corolla*, will therefore fall into the synonymy of the latter name.
121. *Spongiobranchia australis* Orbigny. This figure represents the adult form of a tropical Pteropod not yet found on our coast, though certain larvæ, perhaps of *Notobranchæa*, have been referred to it.
122. *Clione limacina* Phipps.

Figures 112 and 113 are from Binney's Gould. The remarks applying to the others will be found under Plate LX.

PLATE LXVII.

- FIG. 63. *Argonauta argo* Linné, var. *americana* Dall. Animal removed from the shell and somewhat contracted by immersion in alcohol.
- 63 a. The same, front view of shell.
- 63 b. The same, side view of shell.

The average *Argonauta argo* of the Mediterranean has from two to three times as many radial folds and carinal nodules as the variety here figured. It is also more compressed and narrow, and the marginal rib on each side of the aperture is less prominent and usually is merged in the margin imperceptibly and does not stand out laterally at all. There are, doubtless, variations in these characters, but on the whole the Antillean and American form seems sufficiently constant for the latter to receive a varietal name.

For remarks on the figures, see note under Plate LX.

PLATE LXVIII.

- FIG. 1. *Teredo dilatata* Stimpson, interior and exterior views of valves; pallets.
2. *Teredo norvegica* Spengler, enlarged; interior view of valve; the two valves united; pallets.
3. *Lyrodus chlorotica* Gould; interior and exterior view of valves, and the two pallets.
4. *Spirula Peronii* Lamarck; shell.
5. *Kellia suborbicularis* Montagu; natural size; hinge line and umbo magnified.
6. *Montacuta elevata* Stimpson.
7. *Turtonia minuta* O. Fabricius.
8. *Nucula tenuis* Montagu; somewhat enlarged.
9. *Pholas (Barnea) costata* Linné.
10. *Zirphæa crispata* Leach.

The figures of which this and the remaining plates (LXIX-LXXIV) are composed are from Mr. W. G. Binney's edition of Gould's Invertebrata of Massachusetts, drawn by Prof. E. S. Morse, and borrowed for the purposes of this publication from the Smithsonian Institution.

PLATE LXXIX.

- FIG. 1. *Astyris rosacea* Gould.
 2. *Mya arenaria* Linné.
 3. *Litorina rudis*, var. *tenebrosa*, Montagu.
 4, 5. *Terebratulina septentrionalis* Couthouy; hæmal view and side view.
 6. *Litorina irrorata* Say.
 7. *Petricola pholadiformis* Lamarek.
 8. *Mactra lateralis* Say.
 9. *Thracia Conradi* Couthouy.

PLATE LXX.

- FIG. 1. *Mactra ovalis* Gould.
 2. *Pecten magellanicus* Gmelin.

PLATE LXXI.

- FIG. 1. *Venus mercenaria*, var. *notata*, Say.
 2. *Mytilus edulis* Linné; typical form.
 3. *Venus mercenaria* Linné; typical.

PLATE LXXII.

- FIG. 1. *Chione limacina* Phipps; enlarged to twice natural size.
 2. *Philine sinuata* Stimpson.
 3. *Philine quadrata* Searles Wood; Europe, Arctic seas, southward to Cape Cod.
 4. *Scaphander puncto-striatus* Mighels and Adams; enlarged about one-third.
 5. *Lamellaria pellucida* Verrill.
 6. *Utriculus pertenuis* Mighels.
 7. *Utriculus Gouldii* Couthouy.
 8. *Philine lincolata* Couthouy; enlarged three times. Arctic seas, southward to Cape Cod.
 9. *Adeorbis costulata* Möller.
 10. *Scala grænlandica* Perry.
 11. *Sipho Stimpsoni* Mörch.
 12. *Buccinum undatum* Linné.

PLATE LXXIII.

- FIG. 1. *Fulgur canaliculatus* Linné.

PLATE LXXIV.

- FIG. 1. *Fulgur carica* Gmelin.

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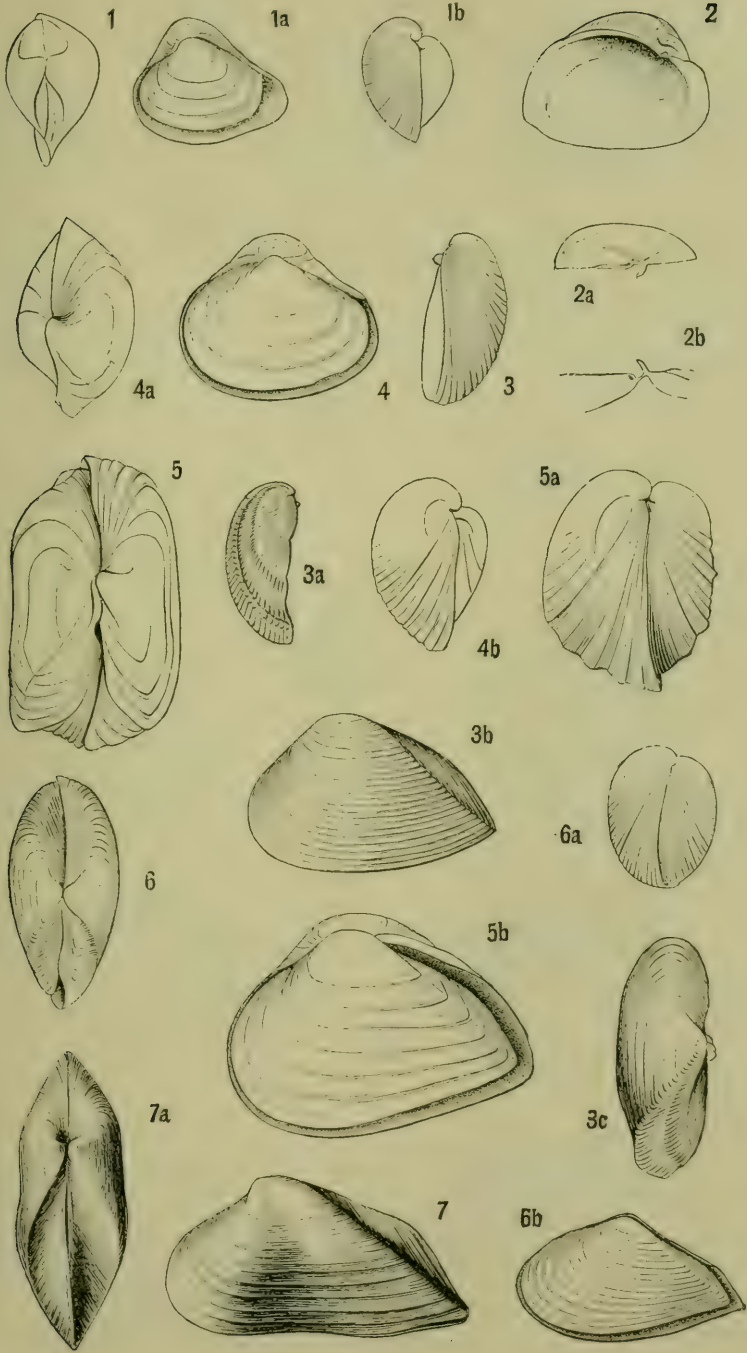
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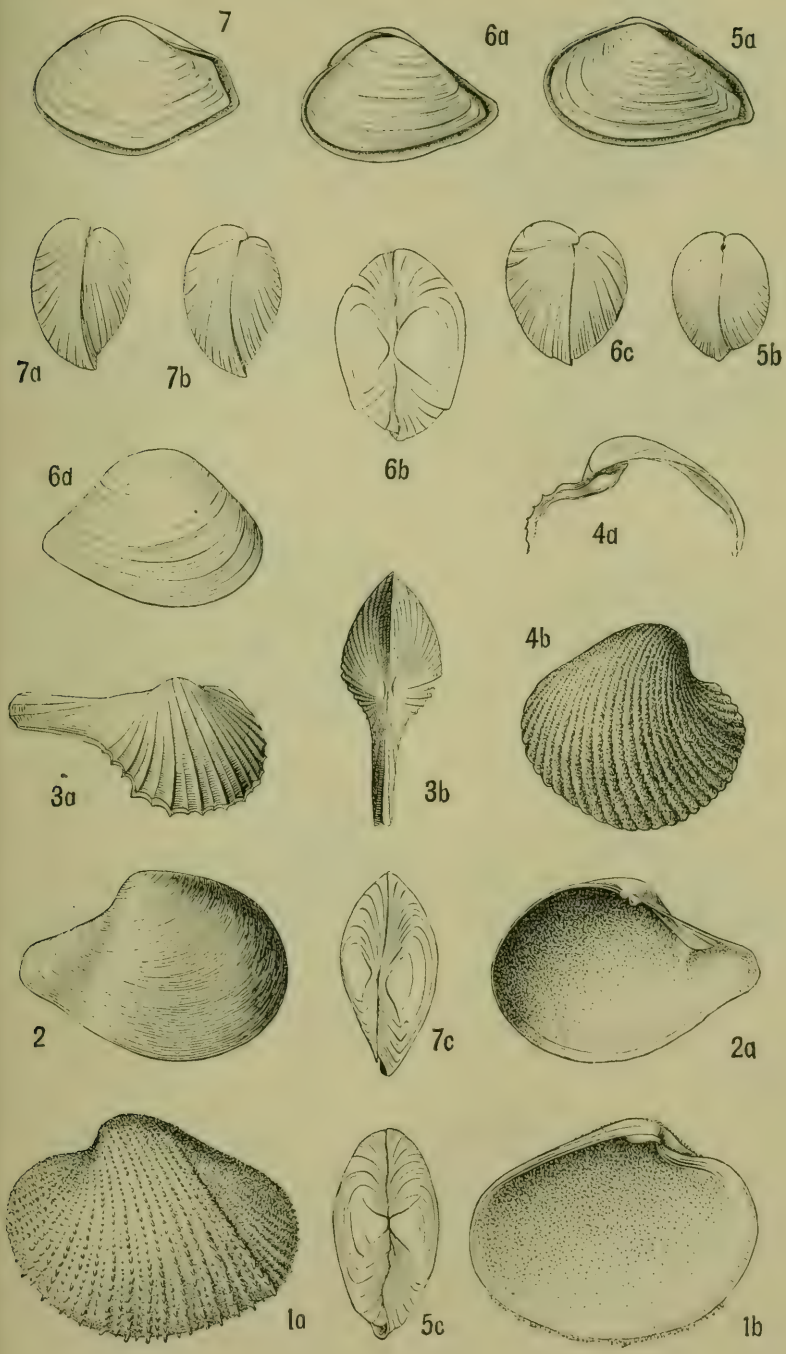
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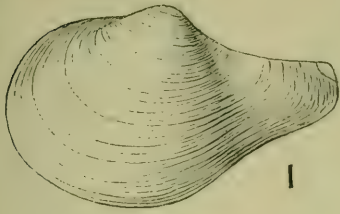
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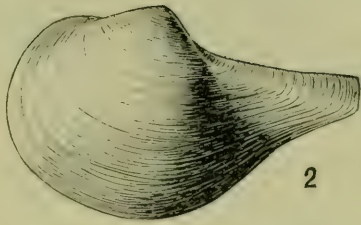
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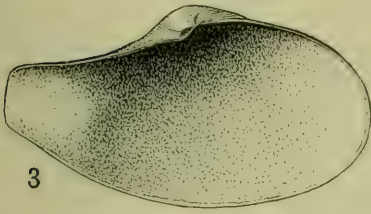




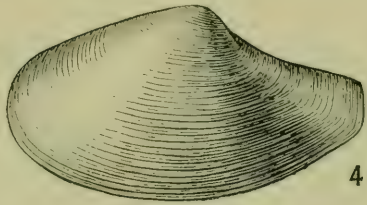
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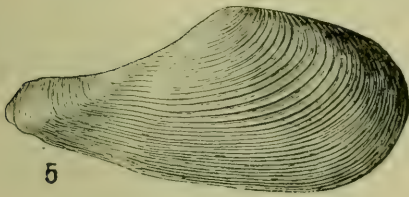
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3



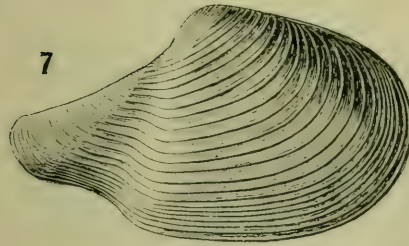
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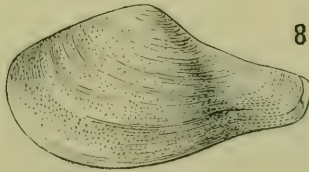
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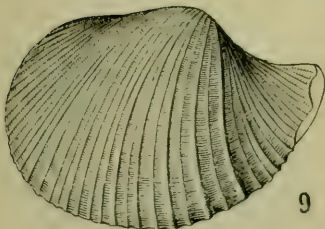
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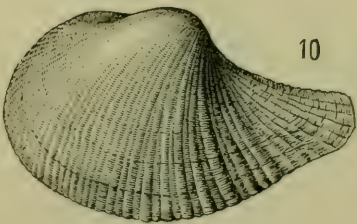
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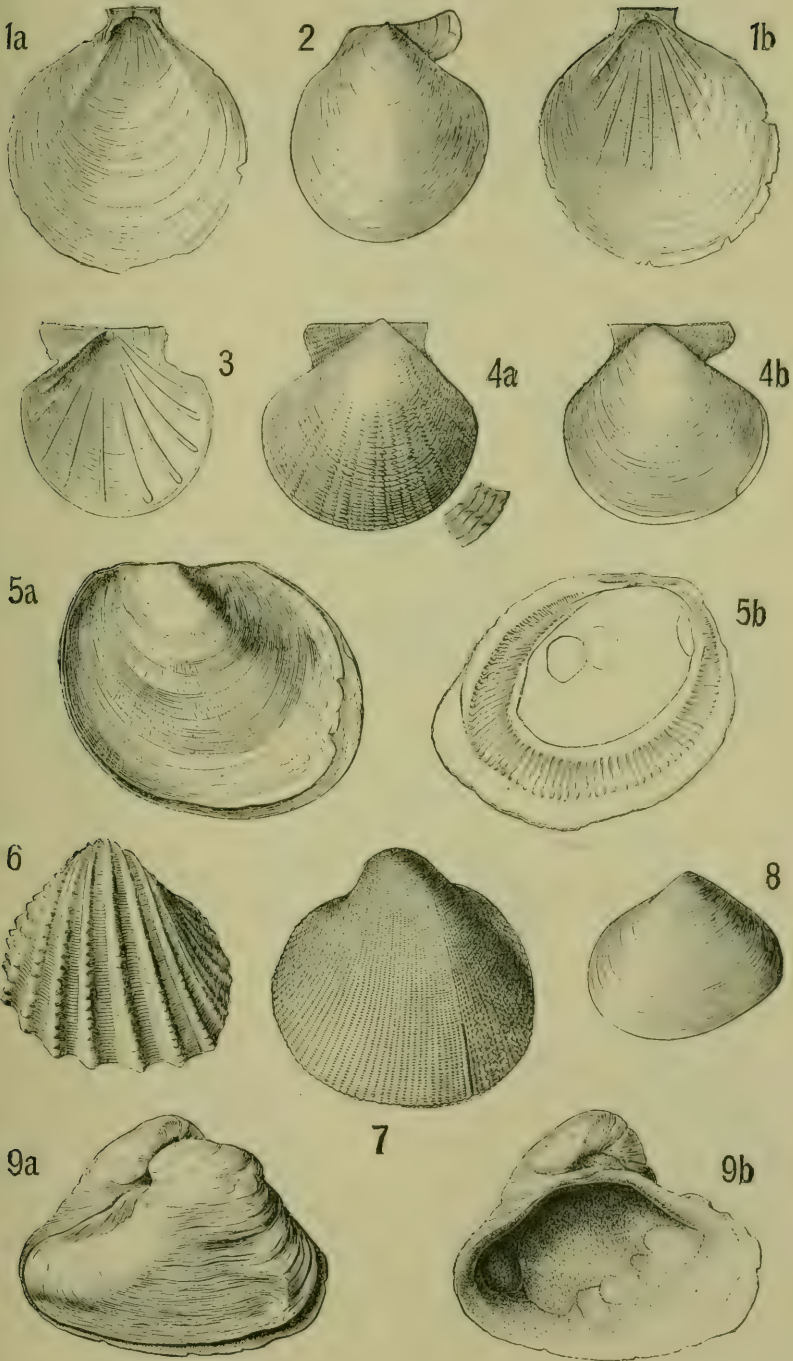
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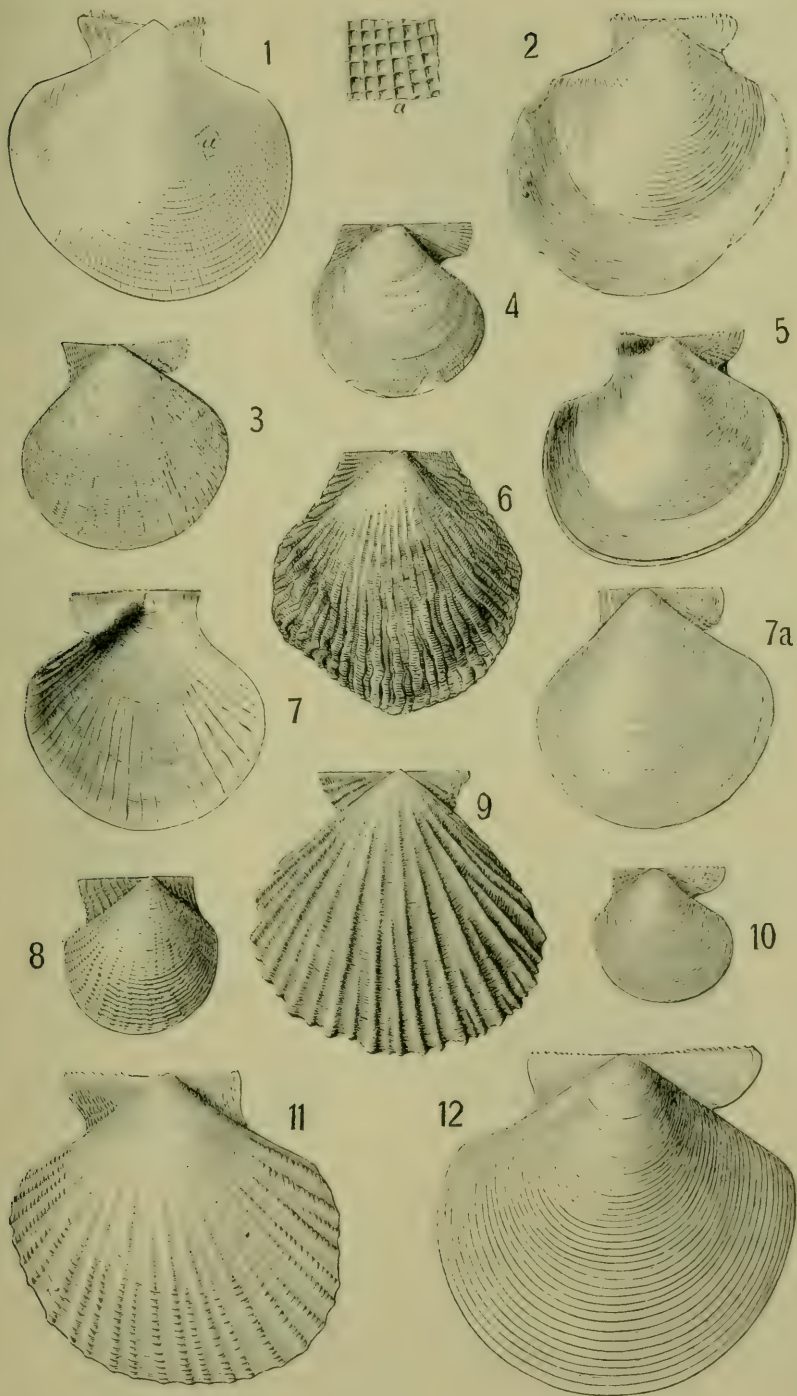


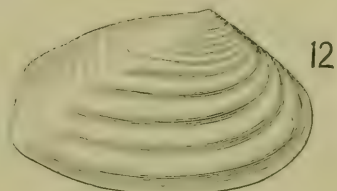
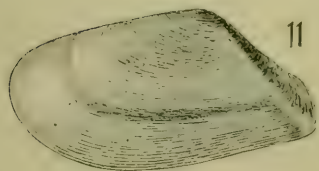
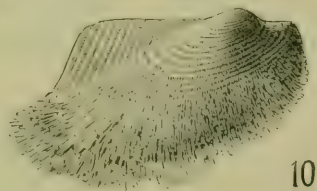
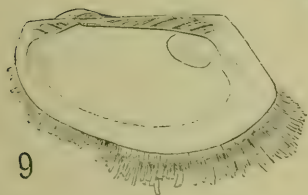
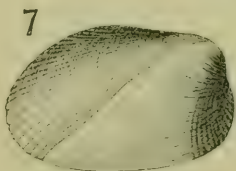
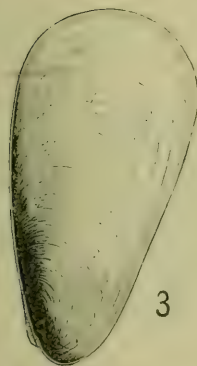
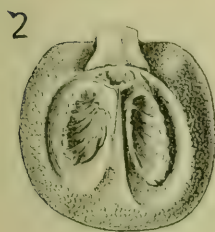
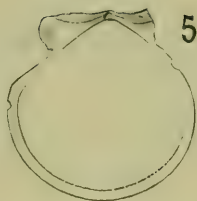
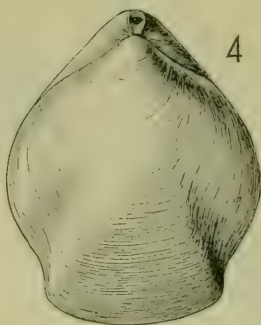
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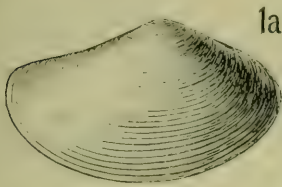


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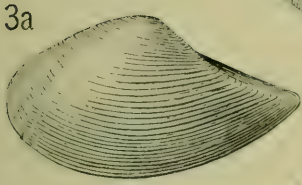
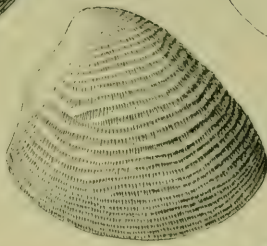


1a



1b

2

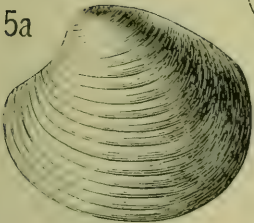
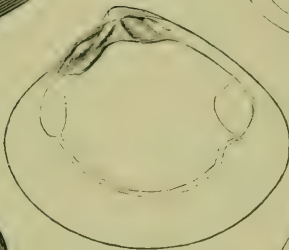


3a



3b

4a

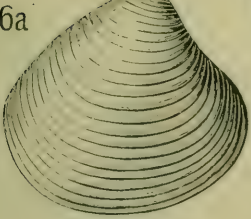
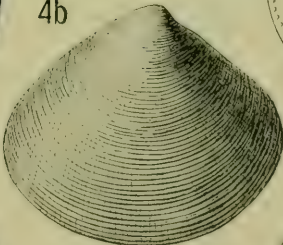


5a

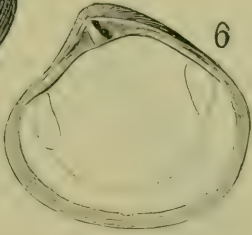


5b

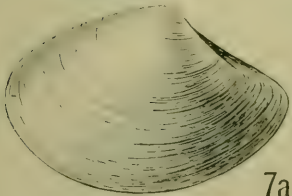
4b



6a



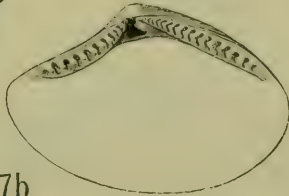
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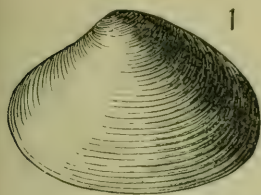
7a



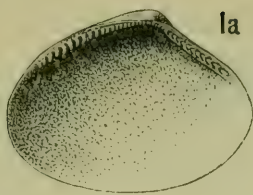
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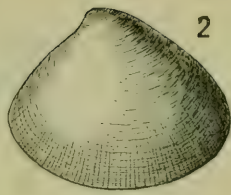
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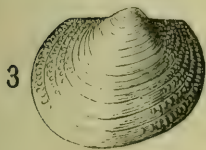
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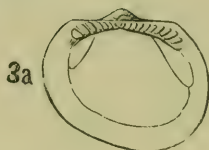
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2



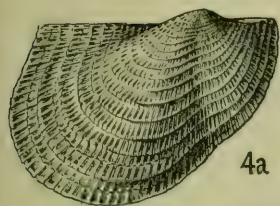
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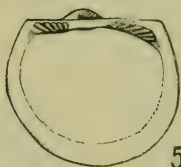
3a



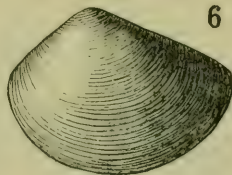
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4a



5

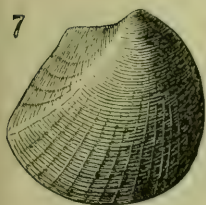


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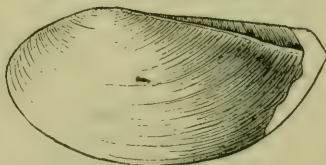


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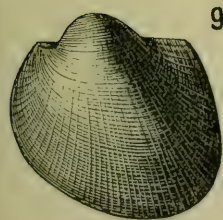
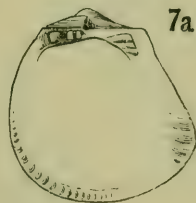
8a



7



7a

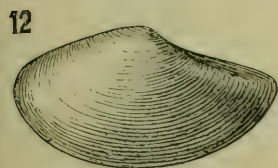
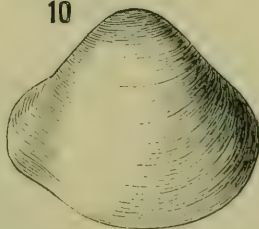


9



9a

10



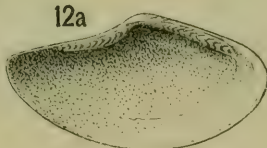
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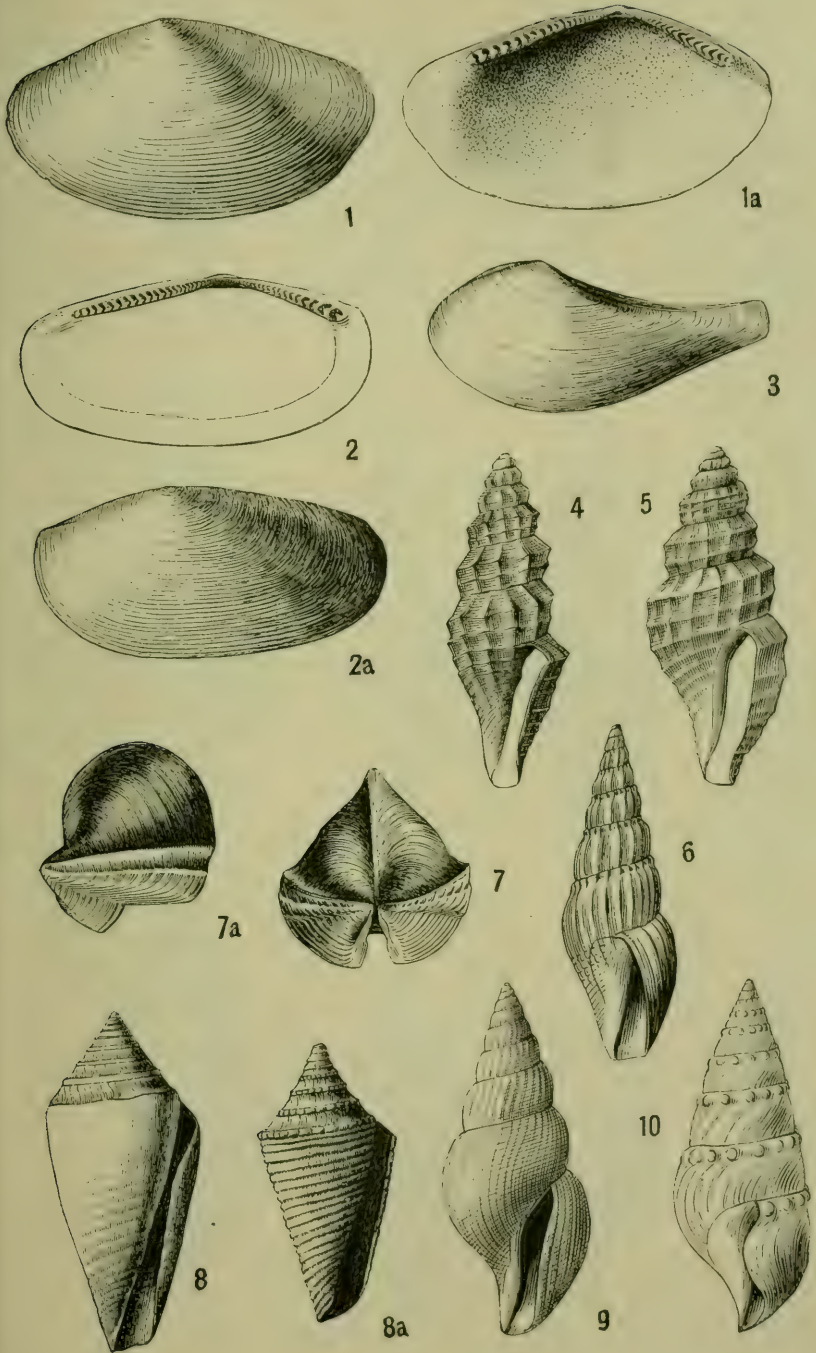
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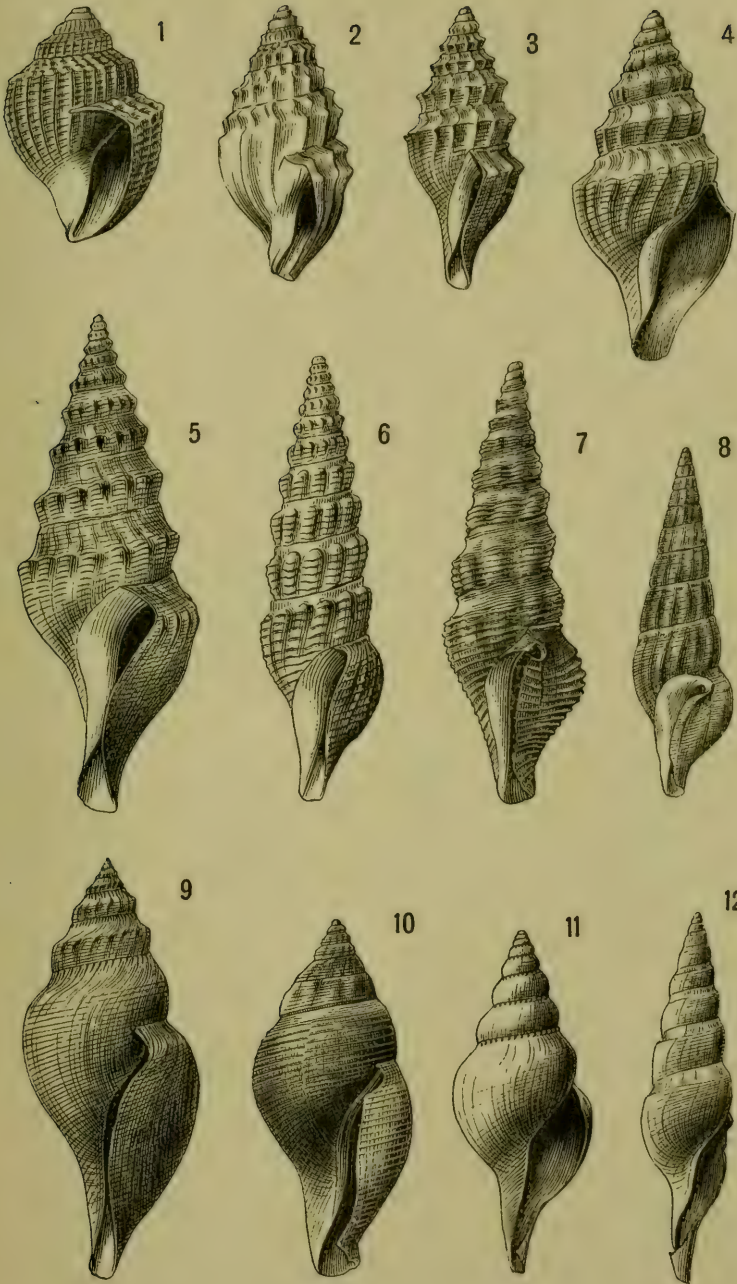


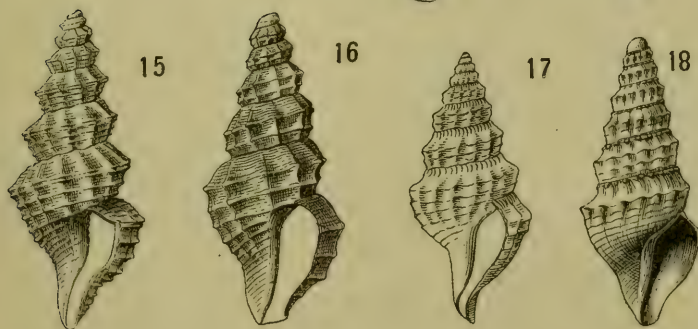
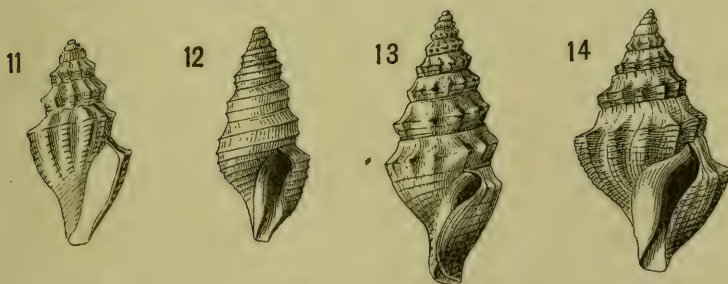
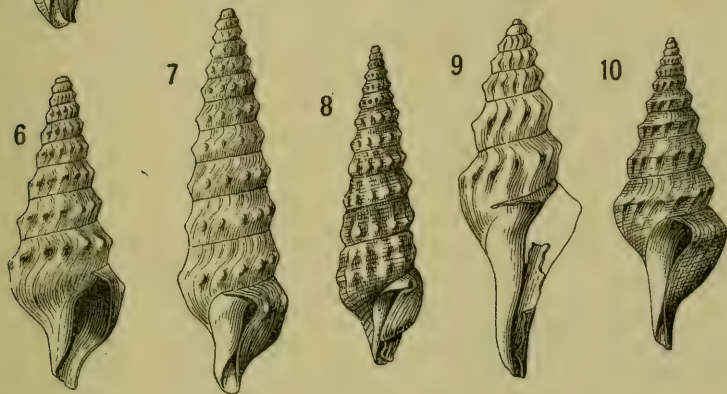
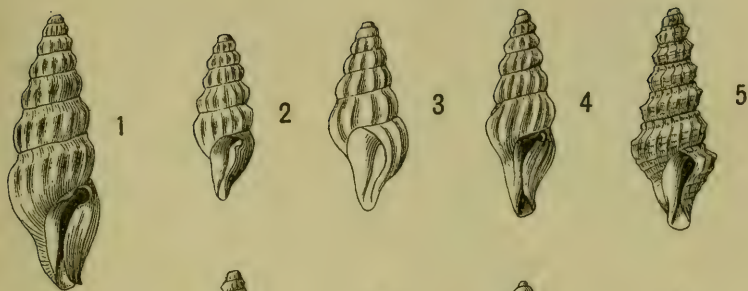
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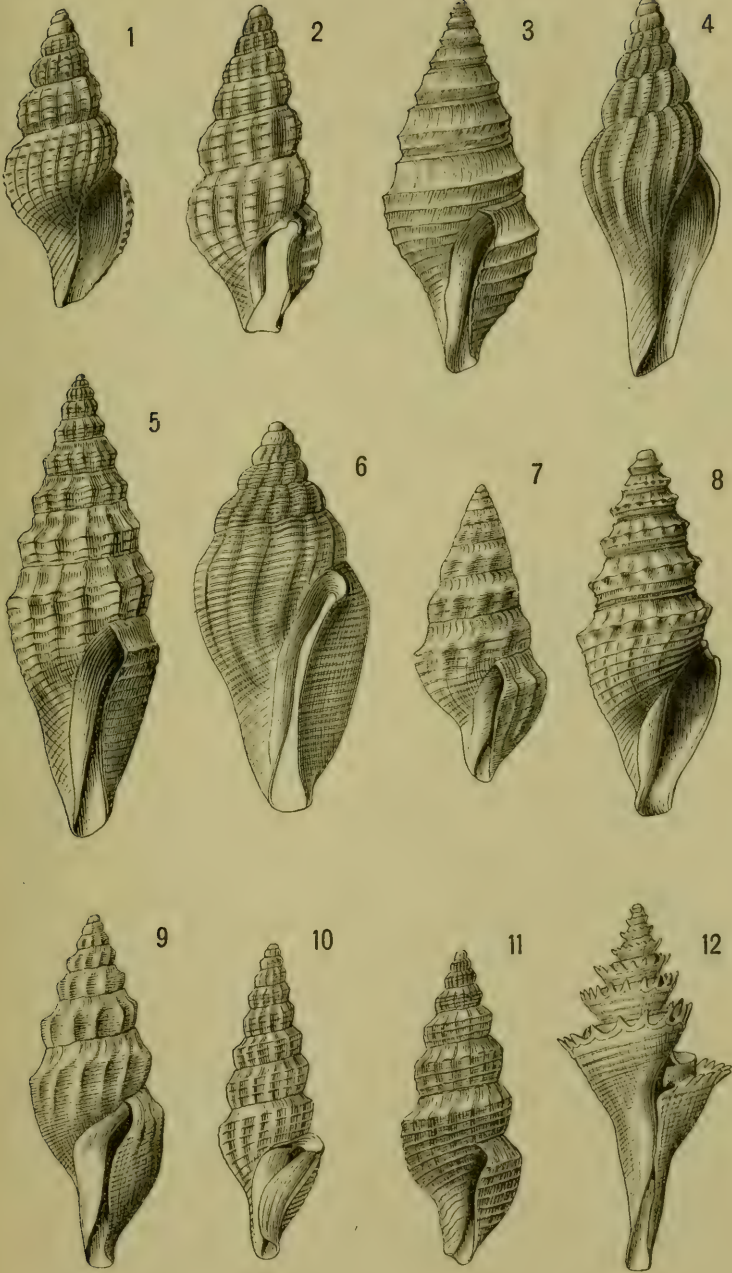


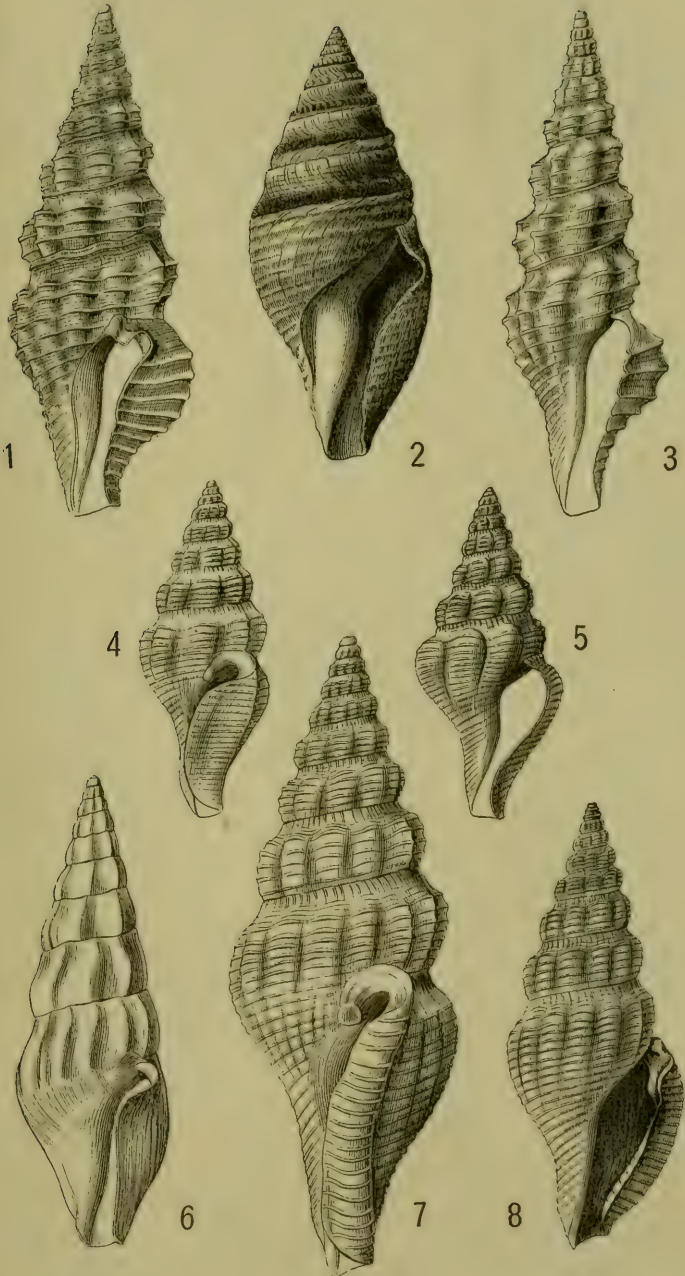
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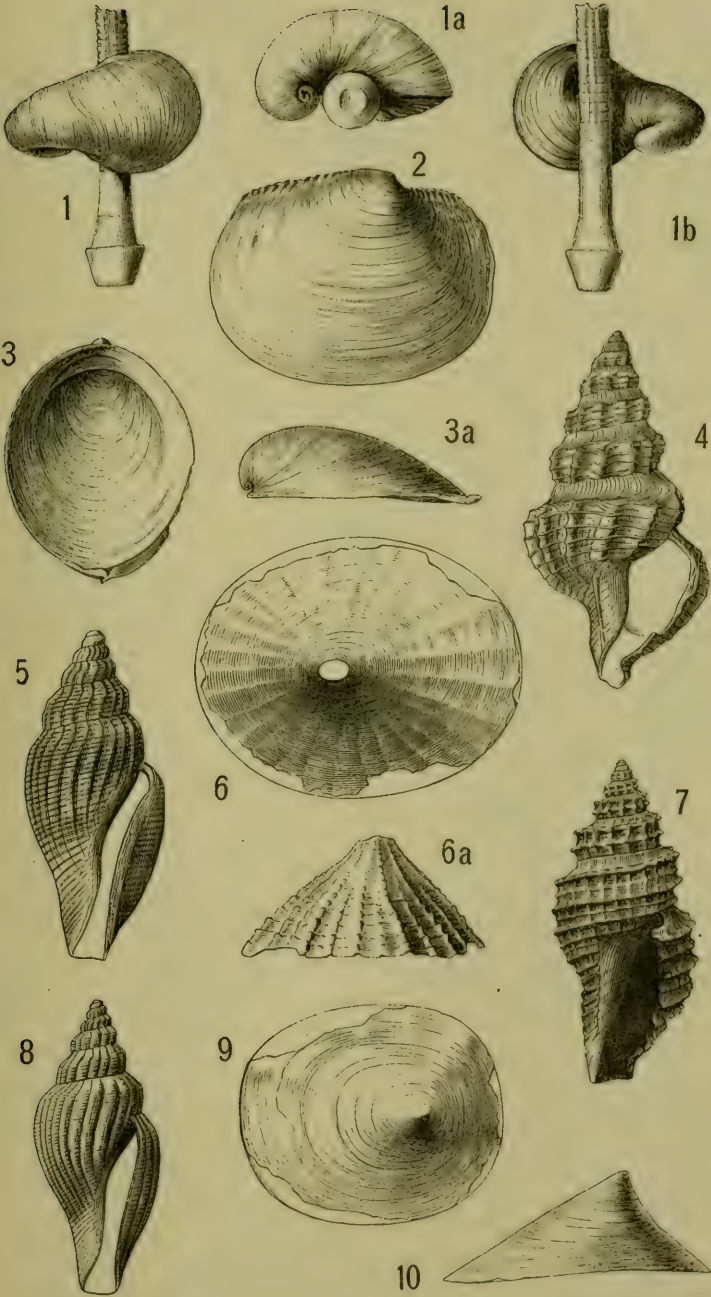


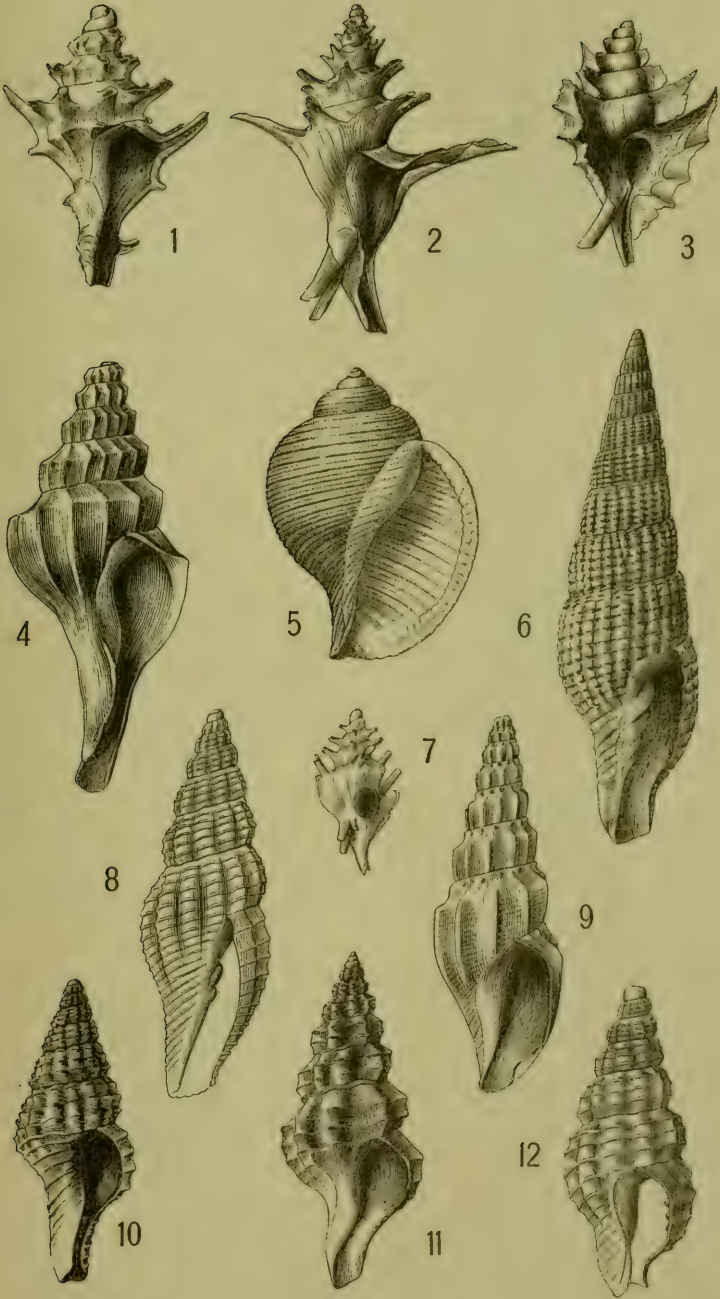














1



2



3



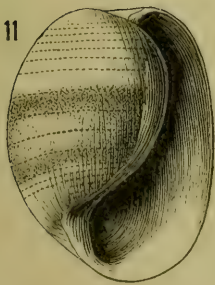
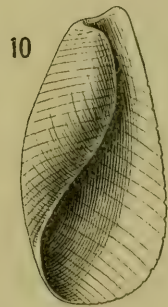
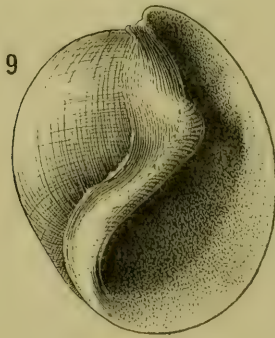
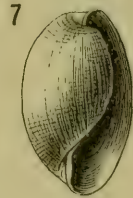
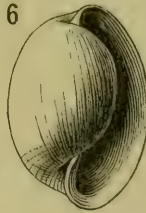
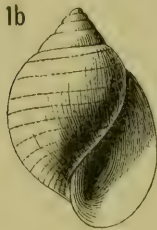
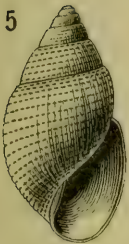
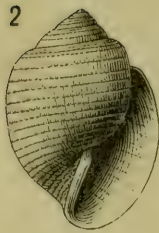
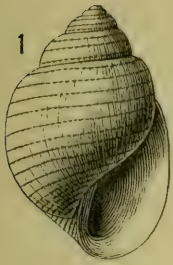
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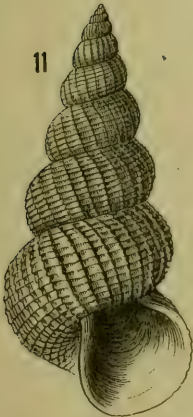
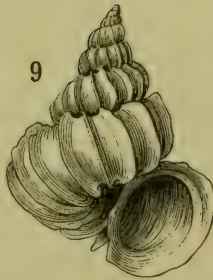
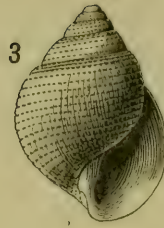


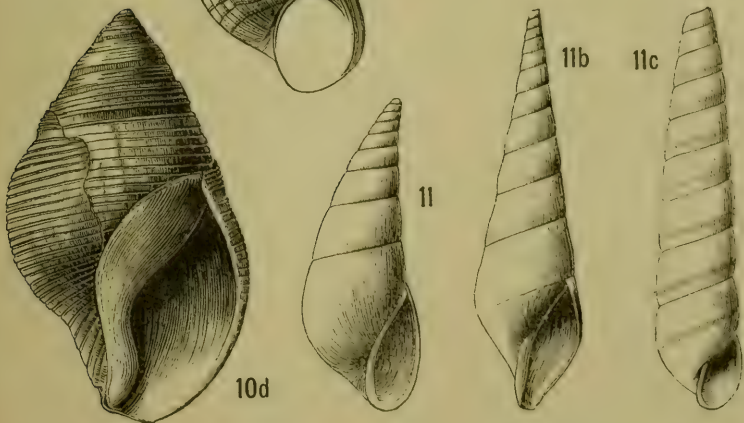
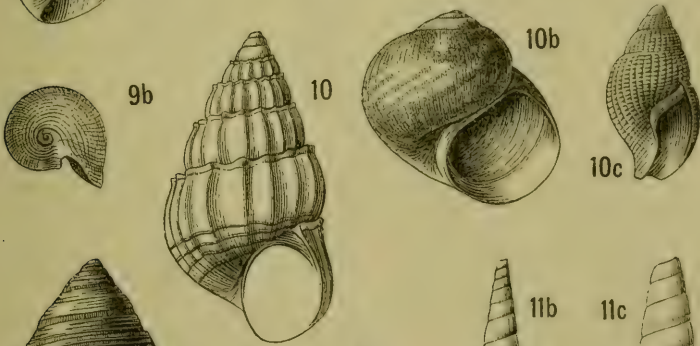
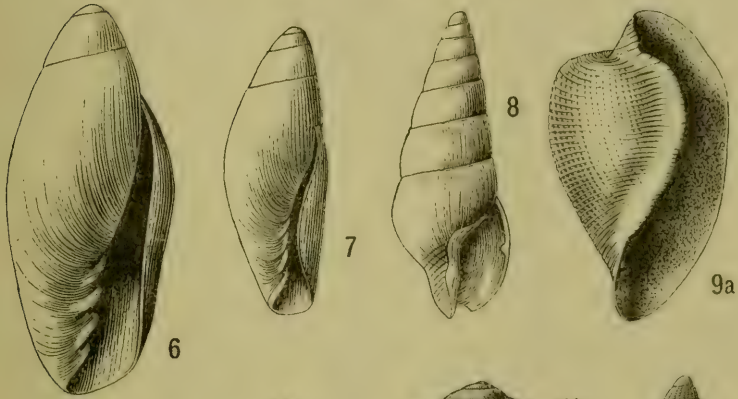
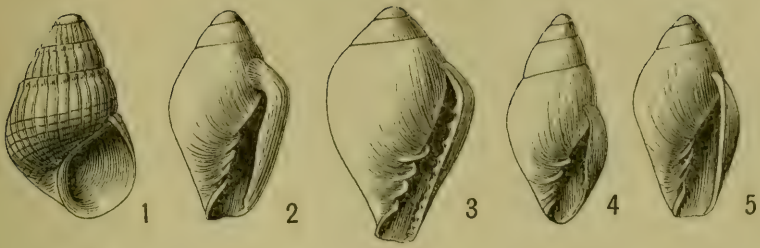
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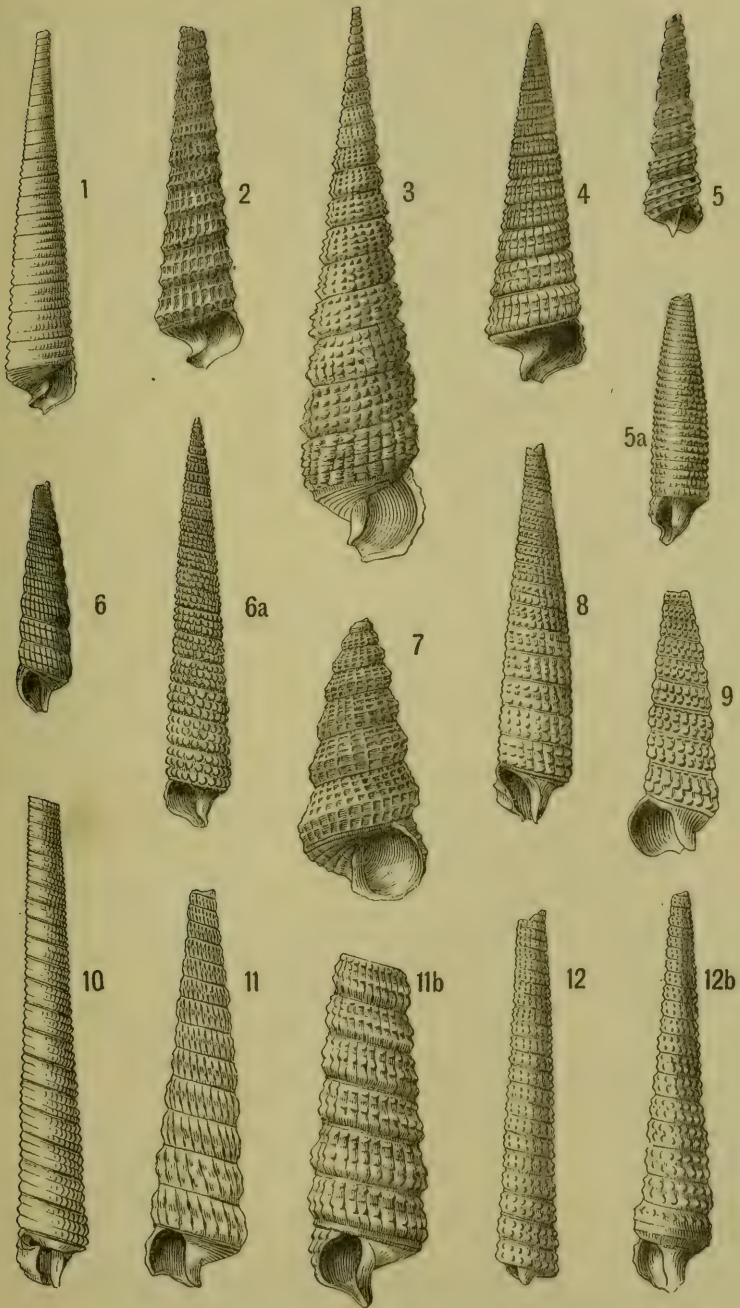


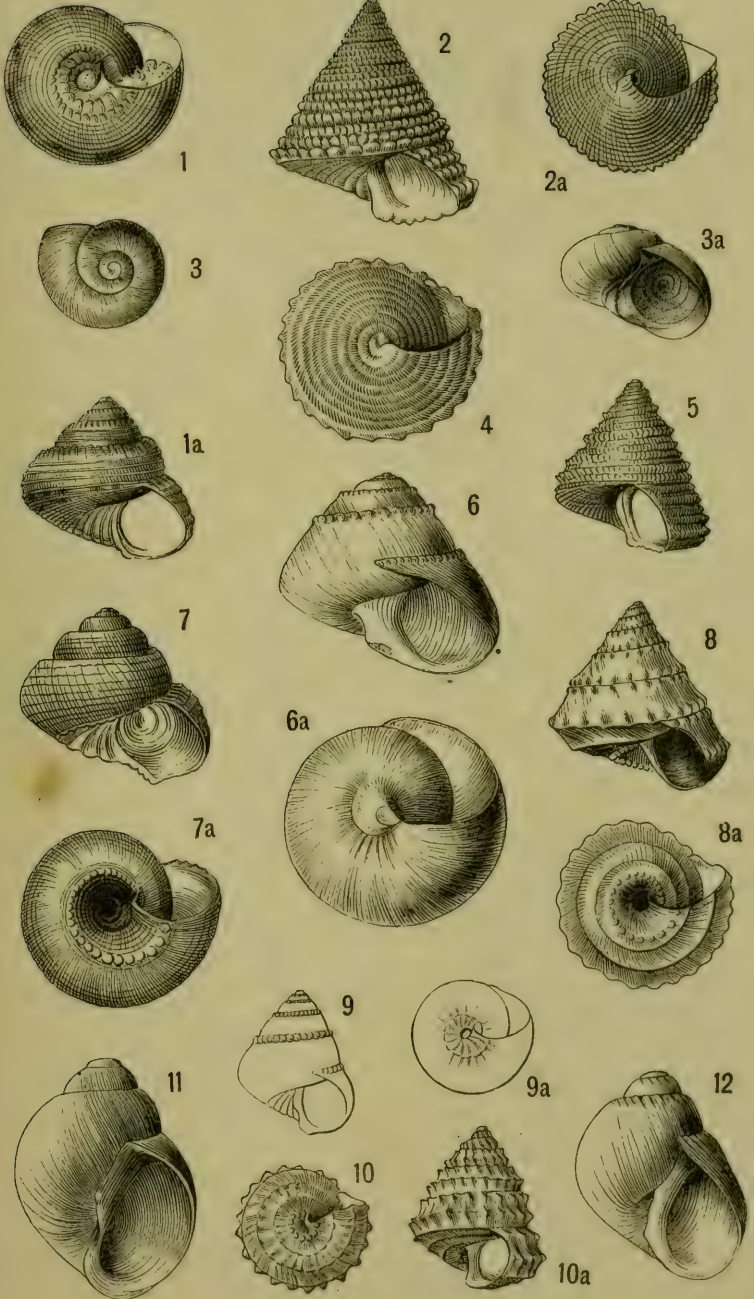
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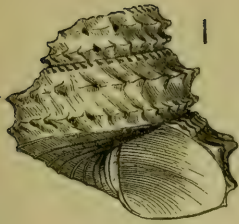




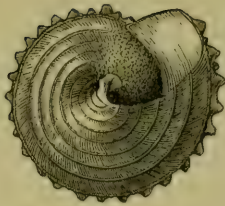








1



1a

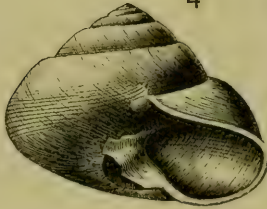


2

3

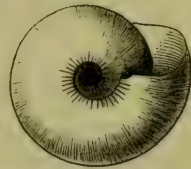


4

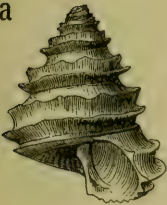


2a

5



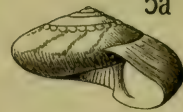
3a



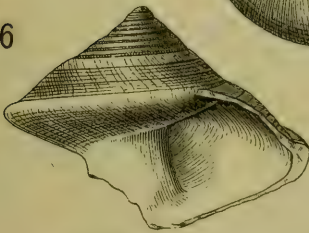
4a



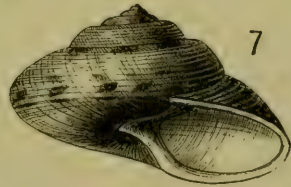
5a



6



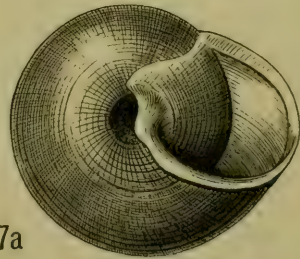
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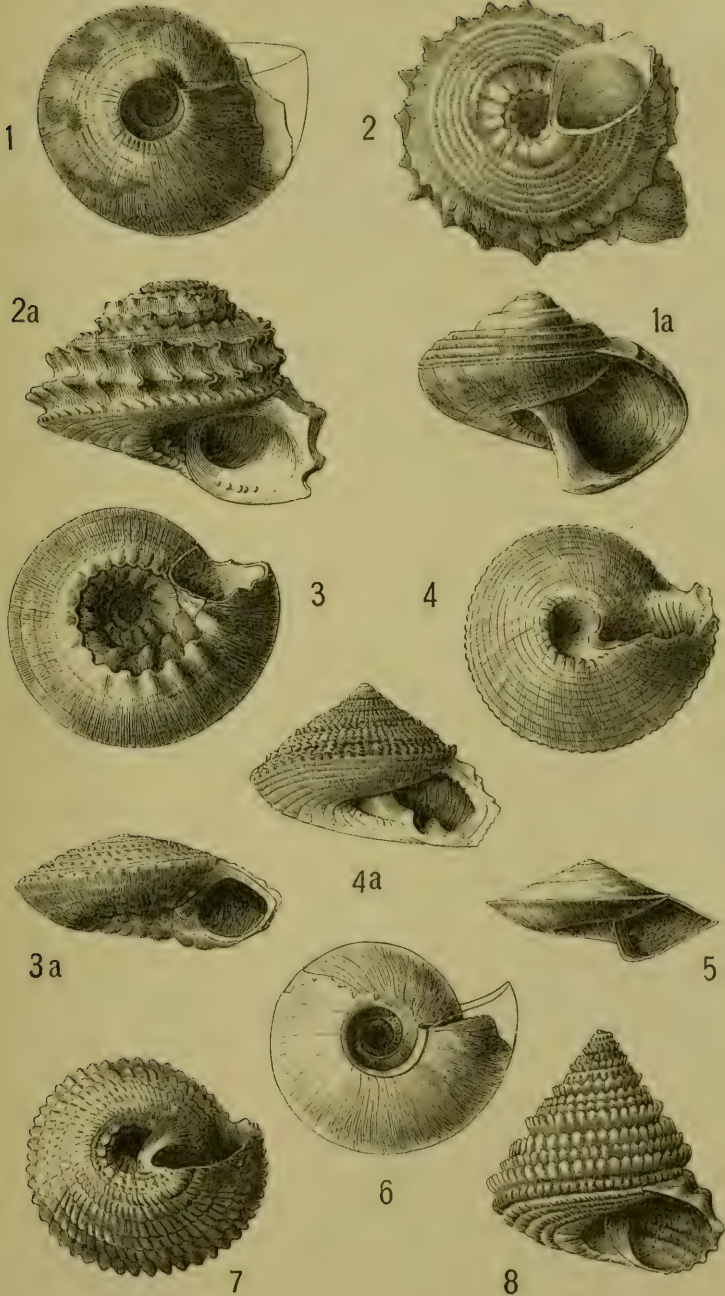


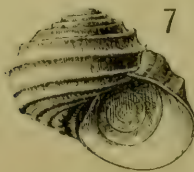
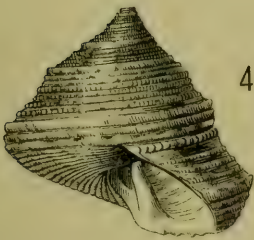
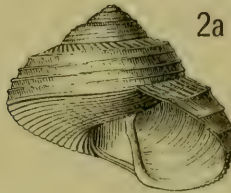
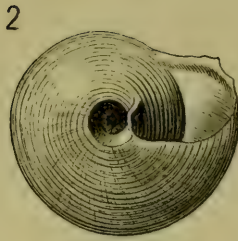
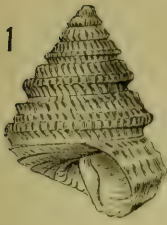
6a

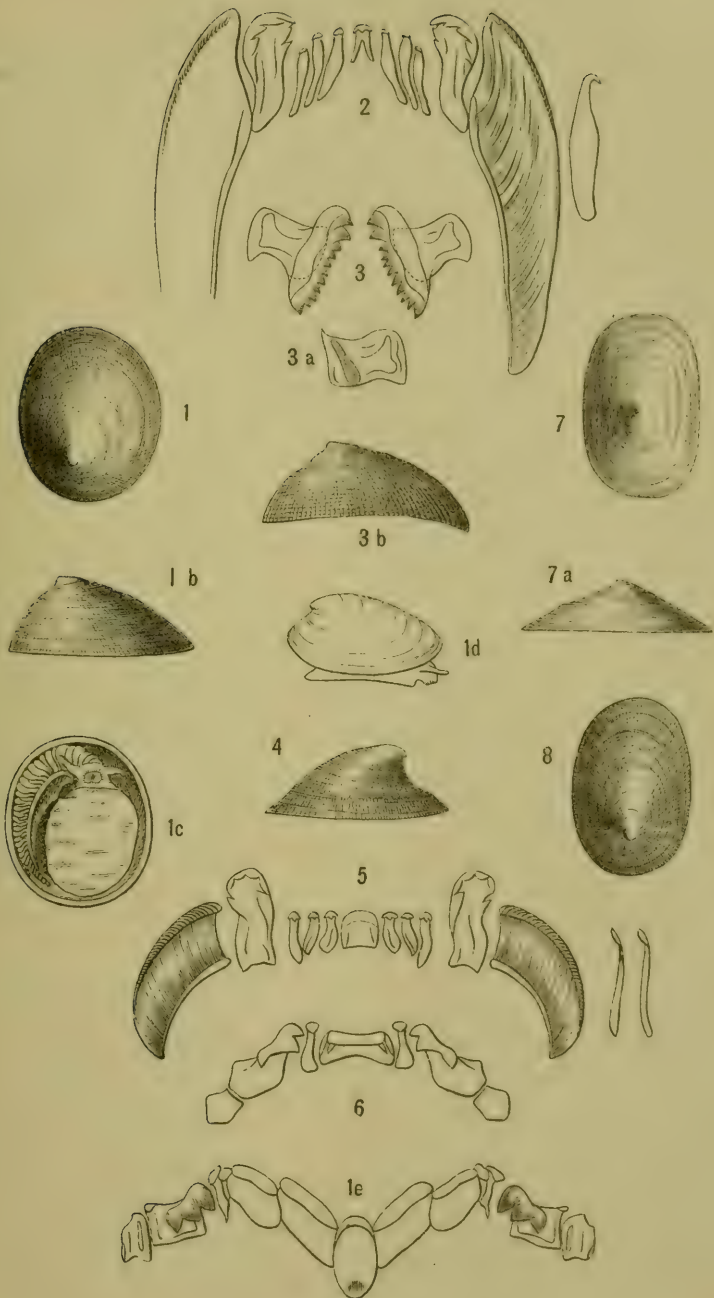


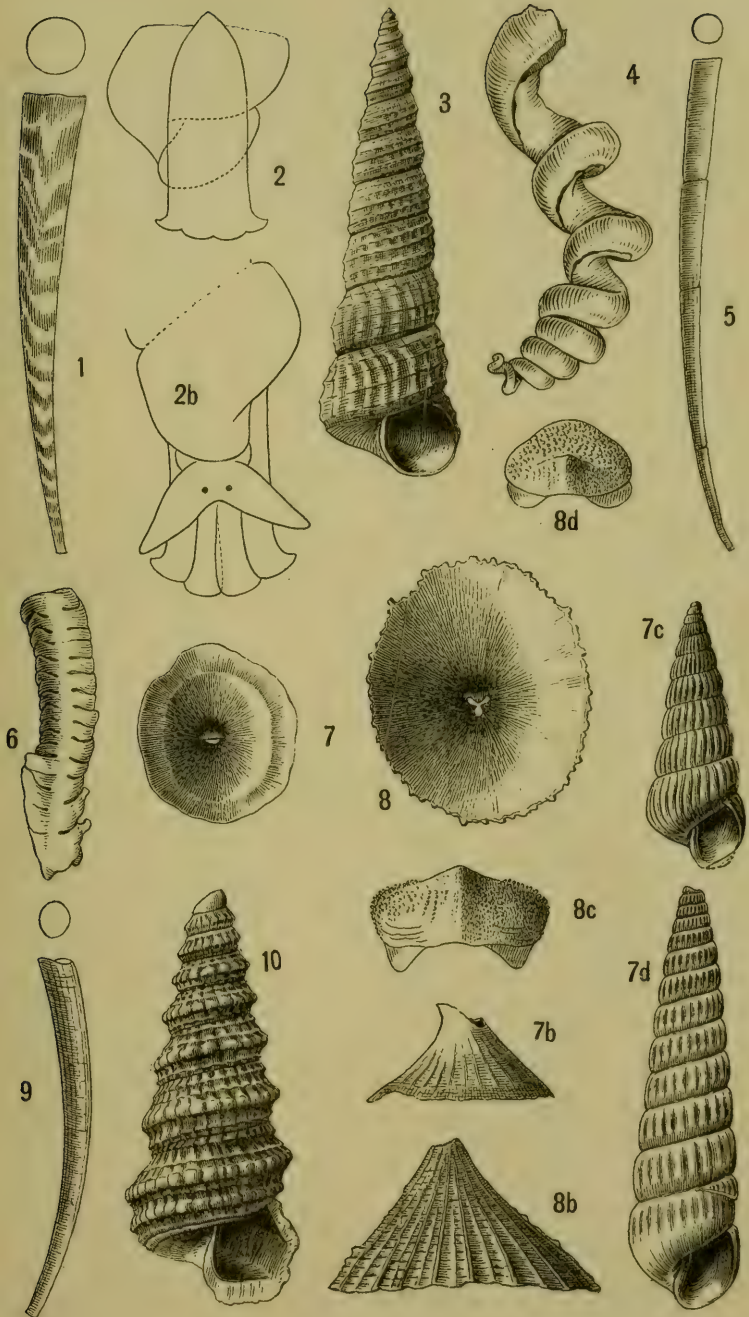
7a

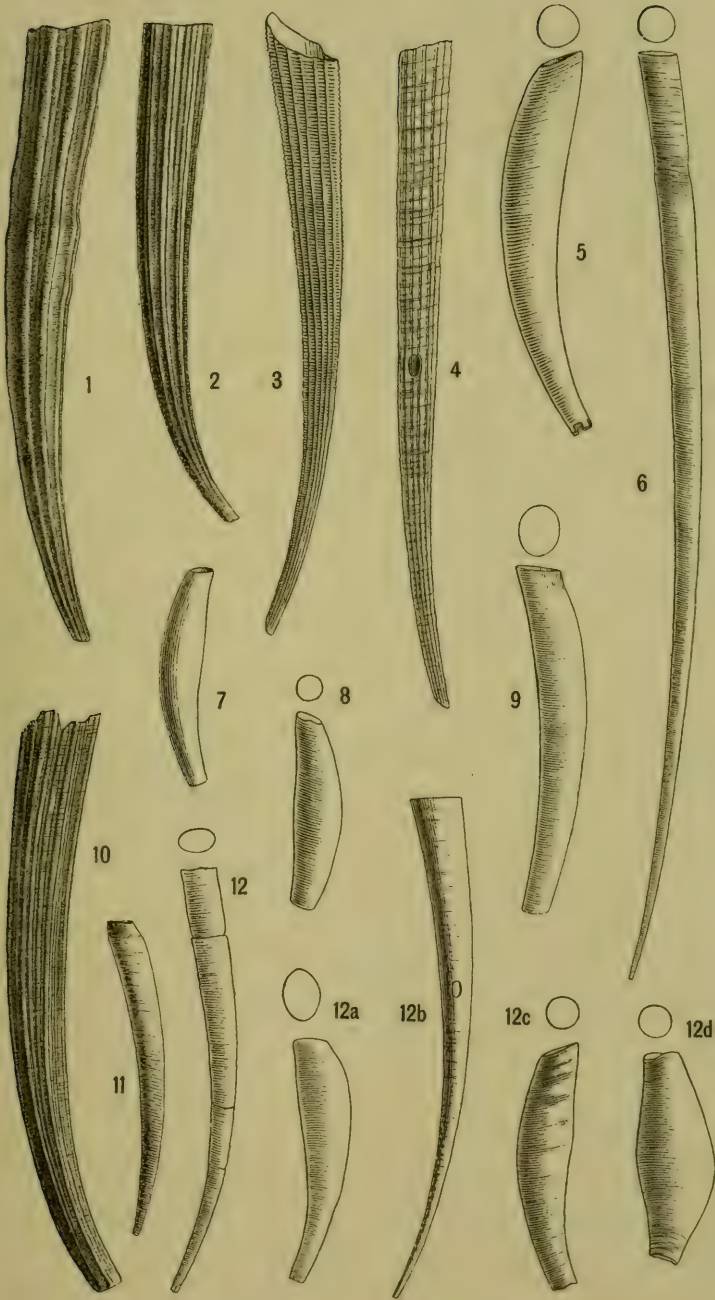


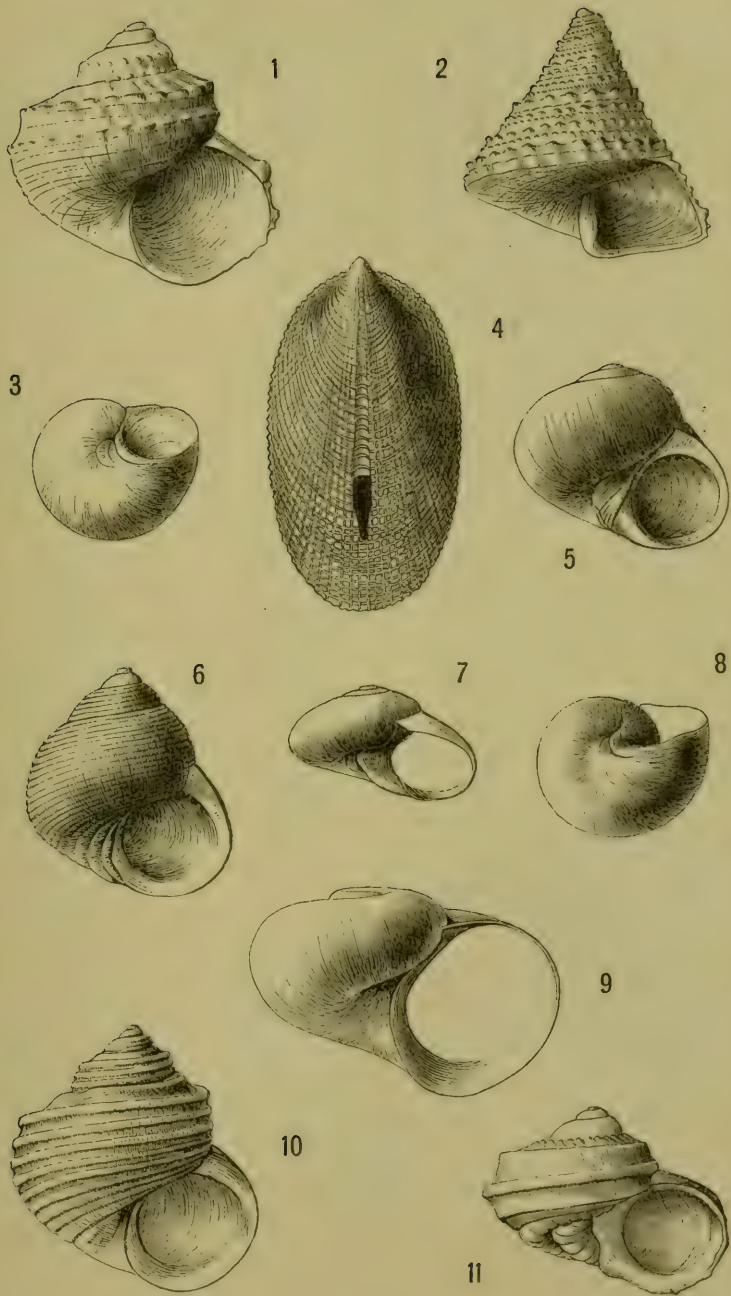


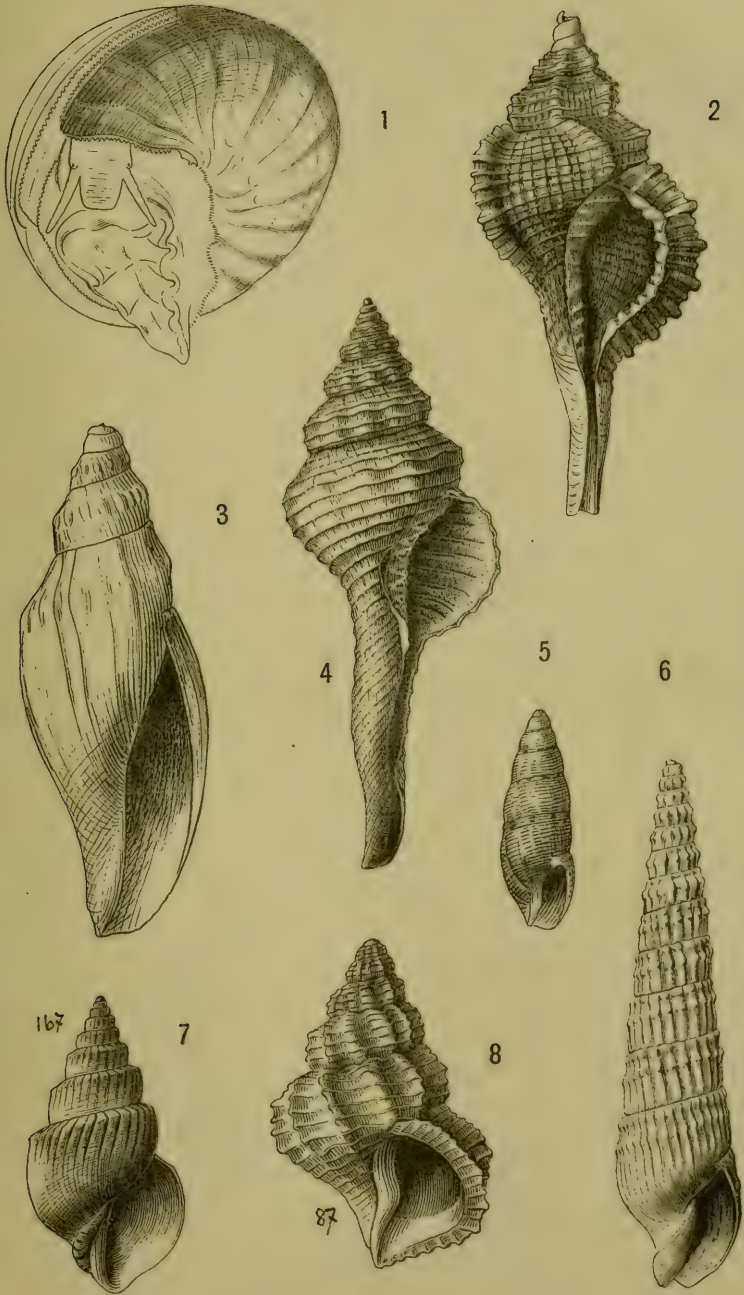


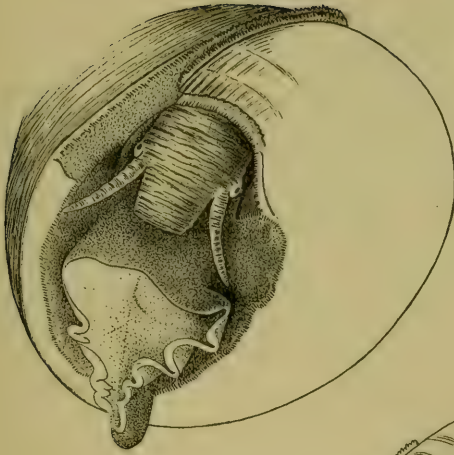




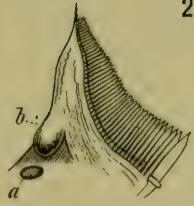




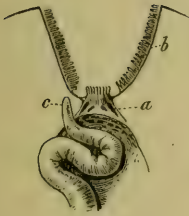




1



2



3



4

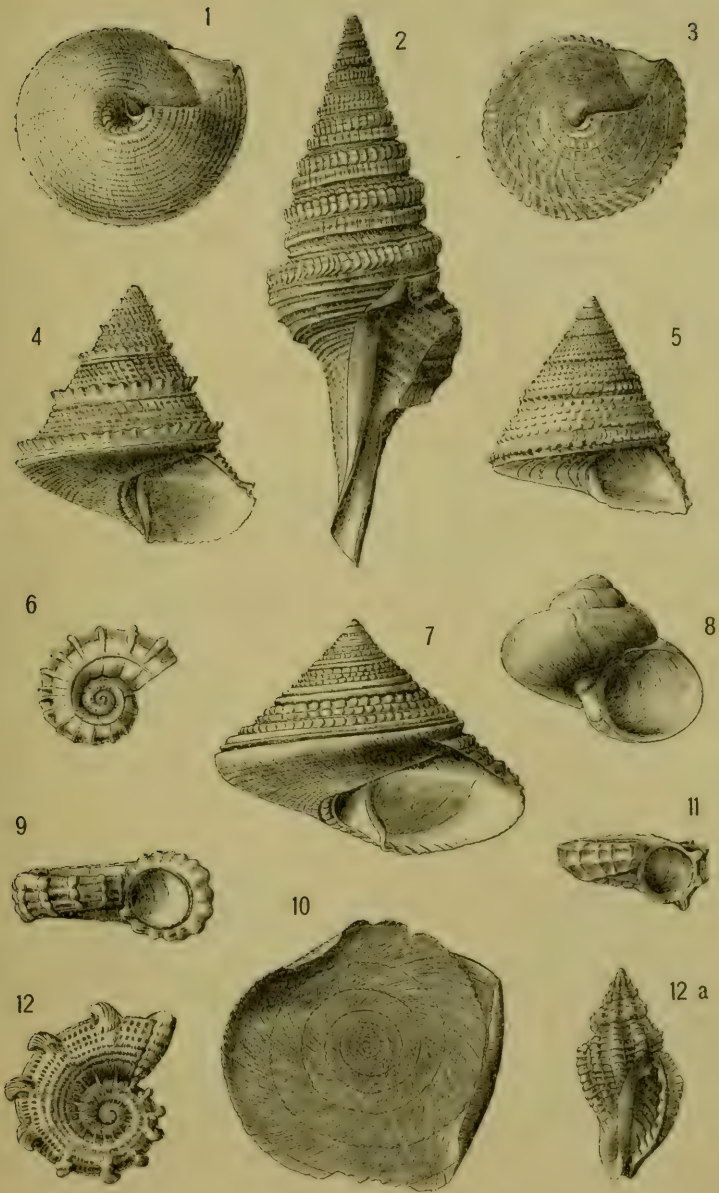


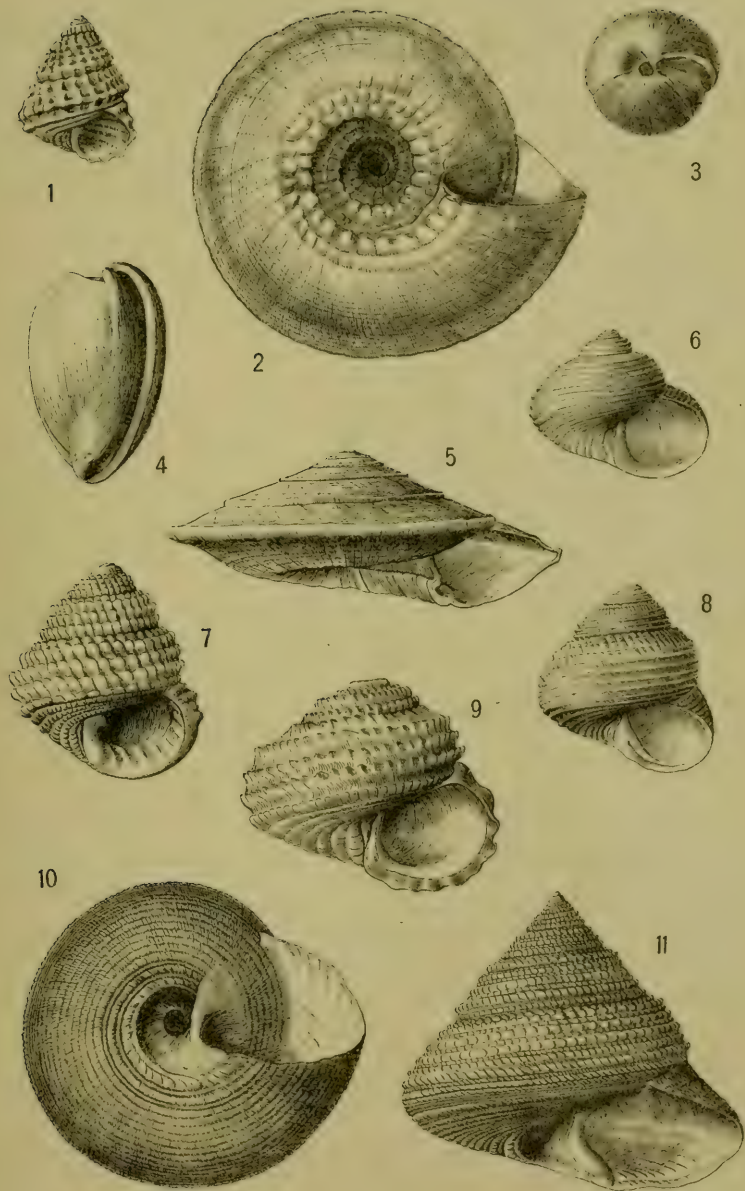
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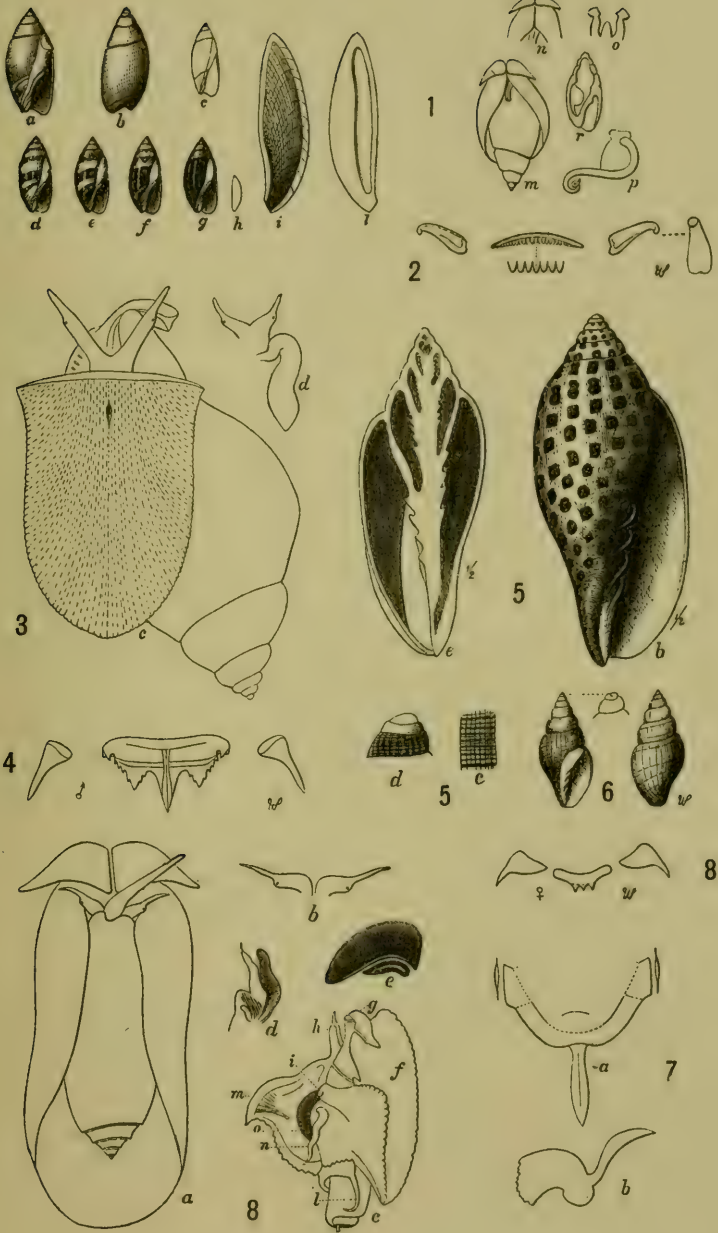


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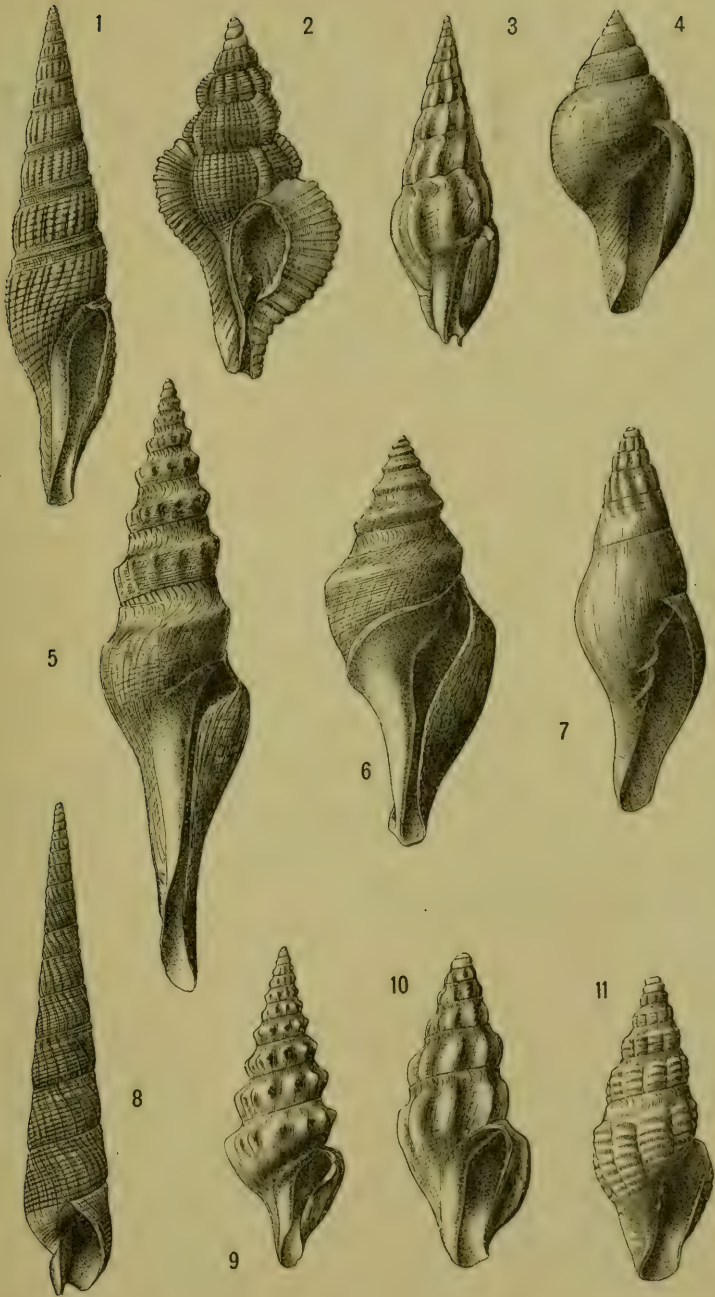


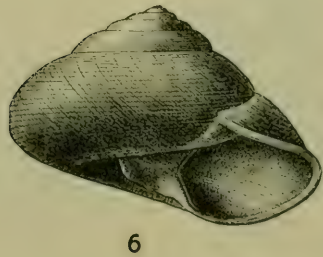
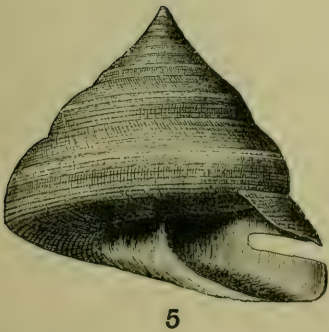
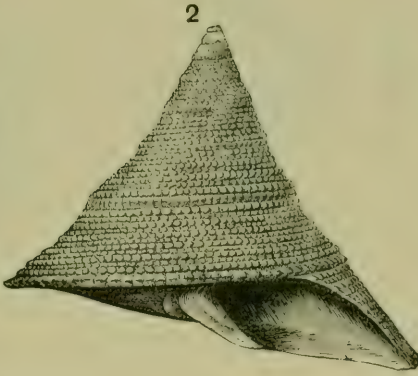




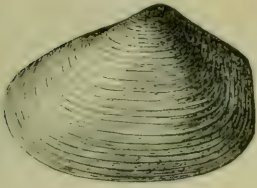




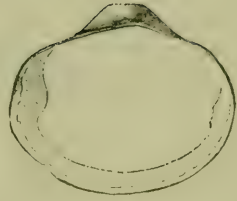




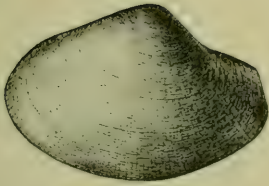




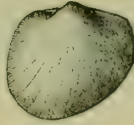
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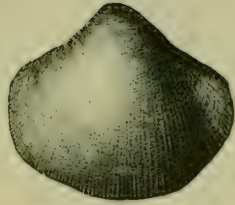
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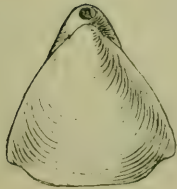
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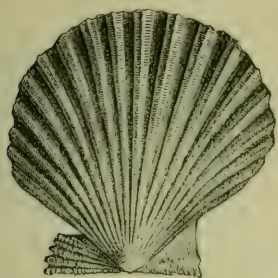
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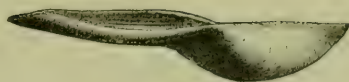
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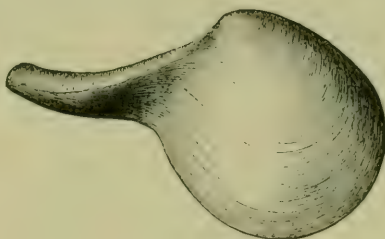
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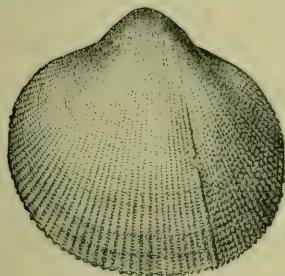
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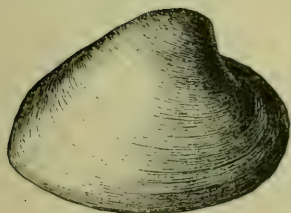
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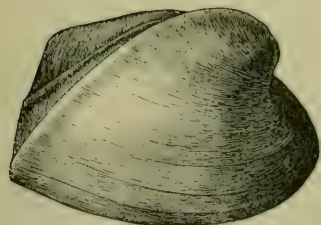
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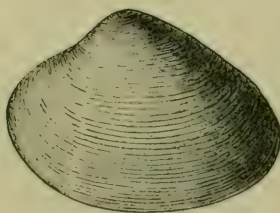
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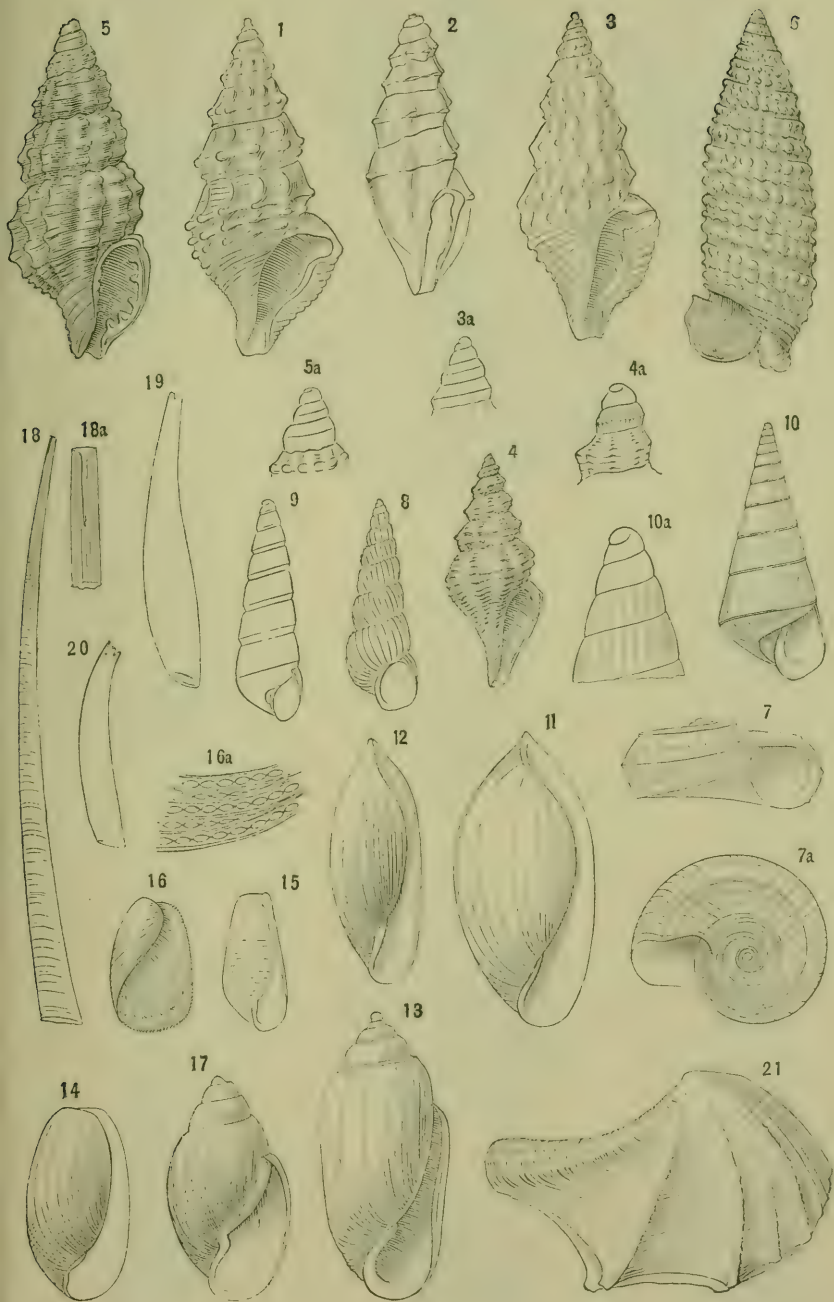
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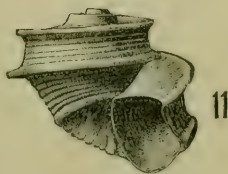
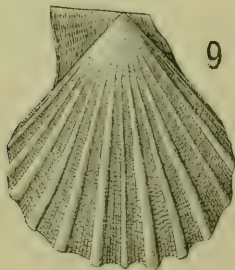
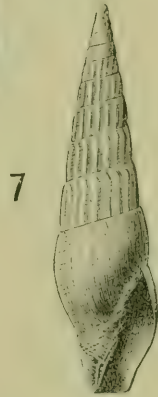
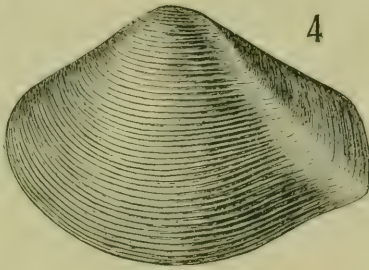
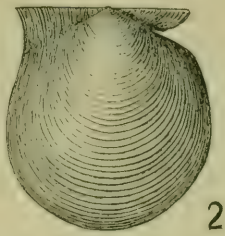


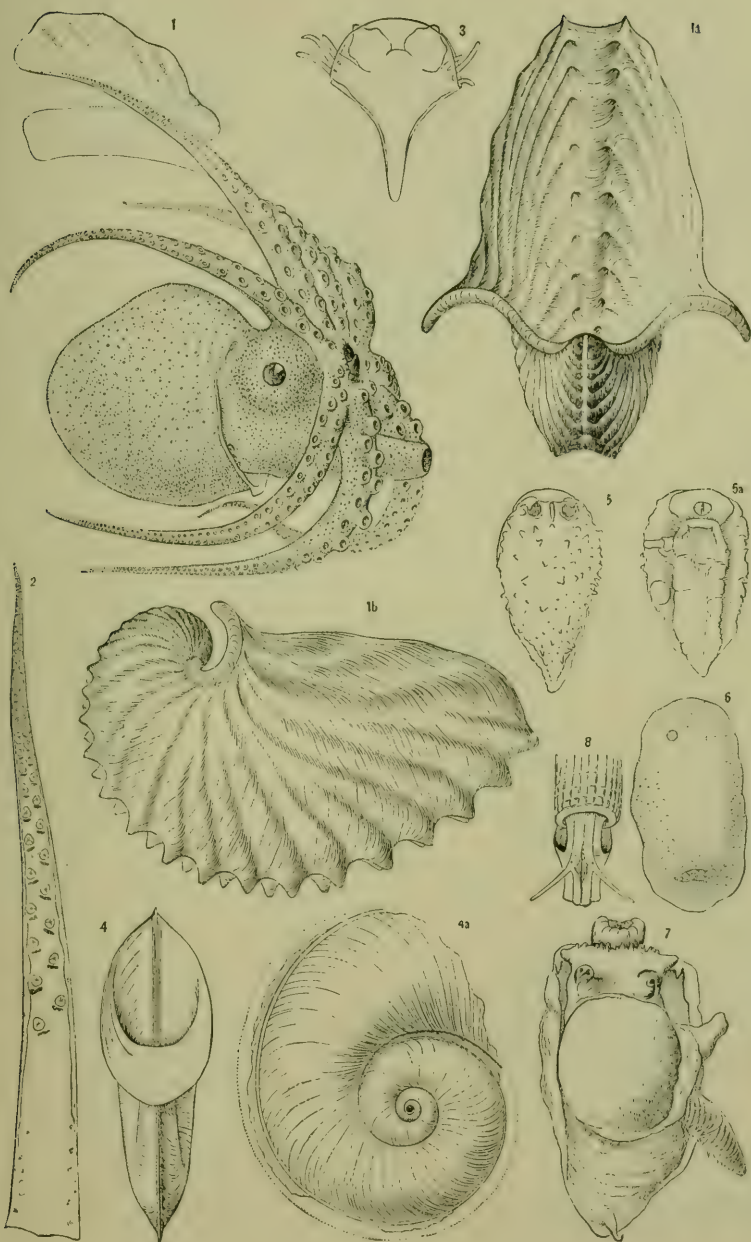
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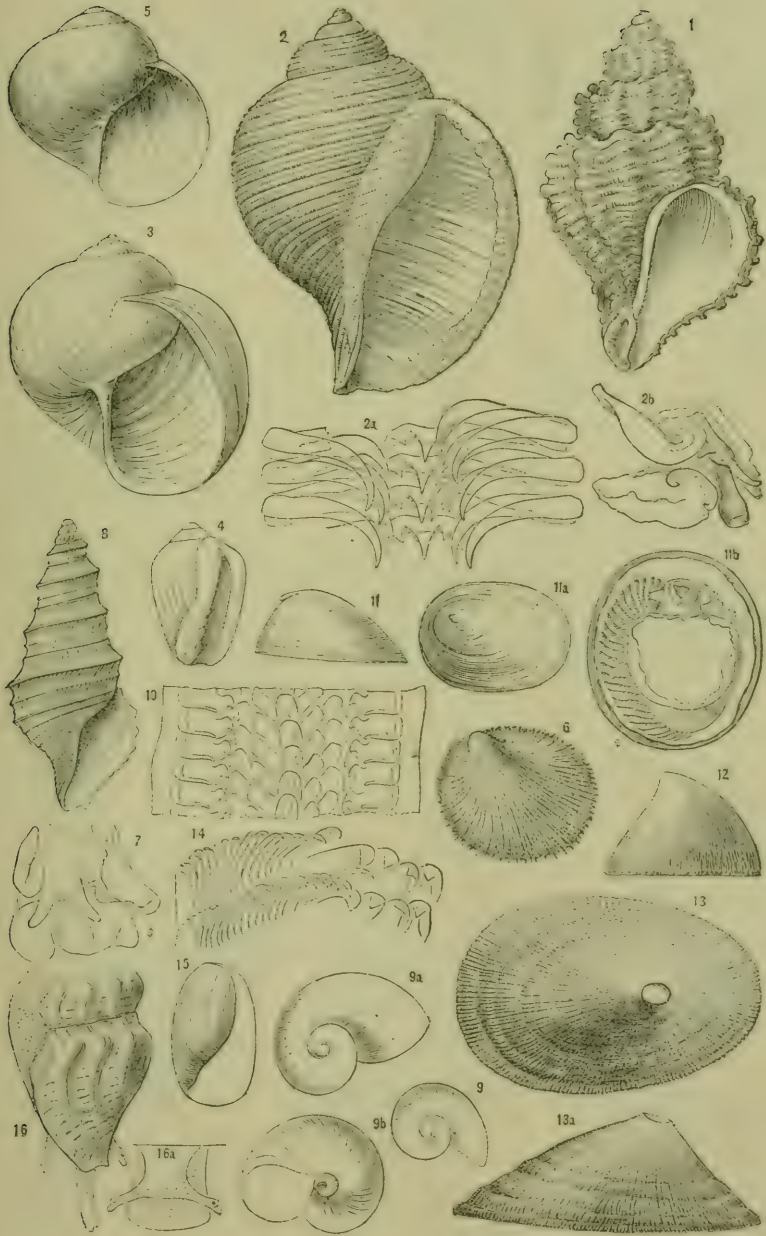


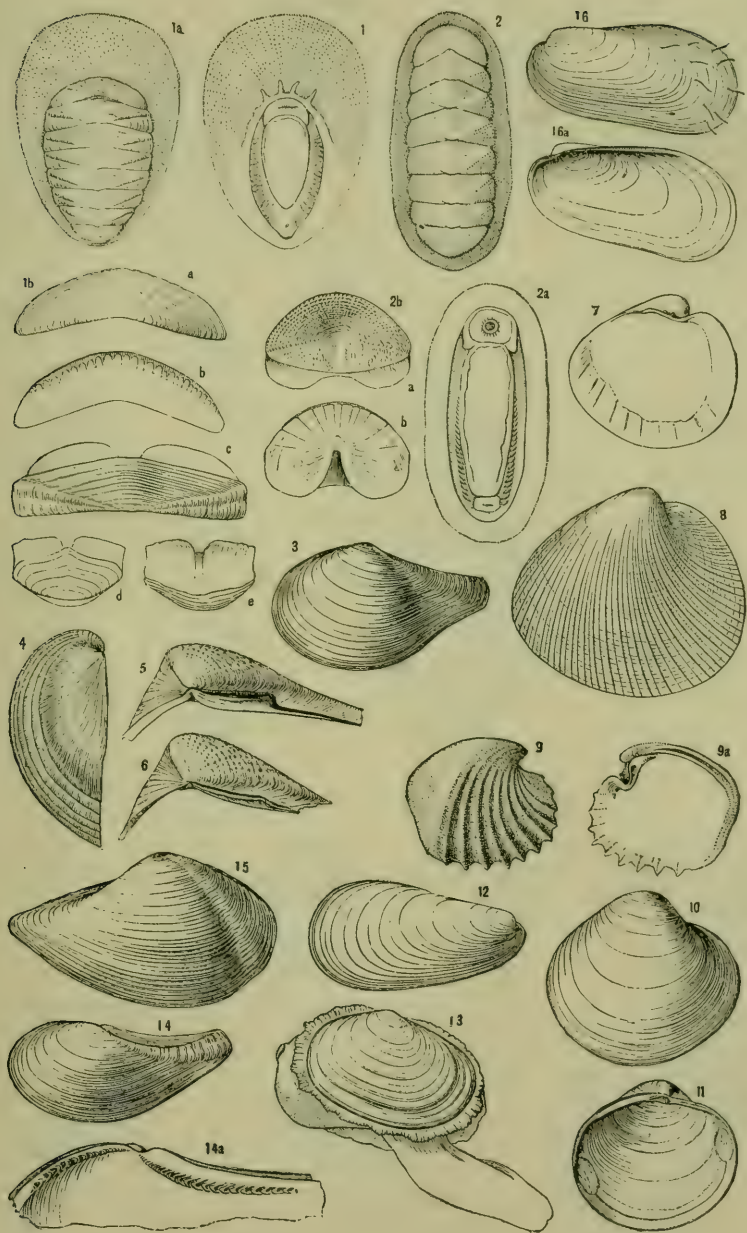
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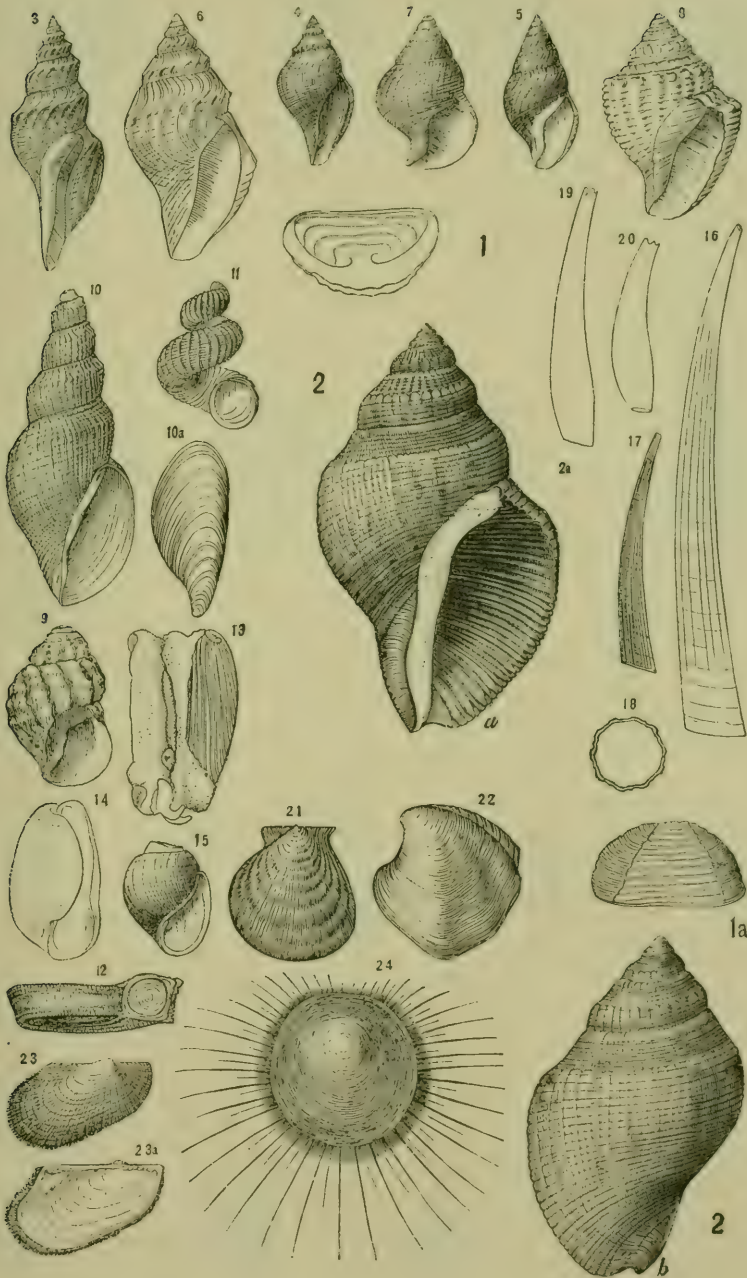


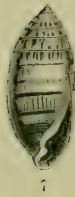


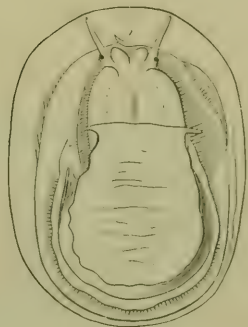
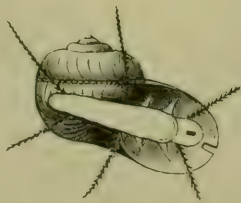
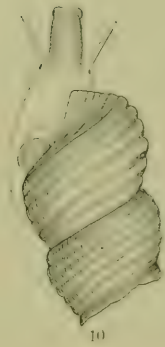
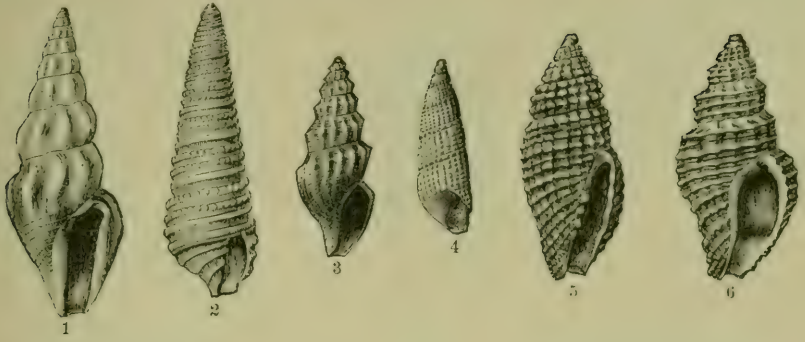








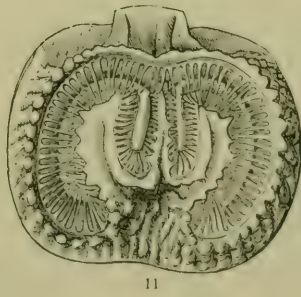
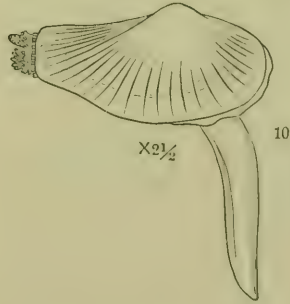
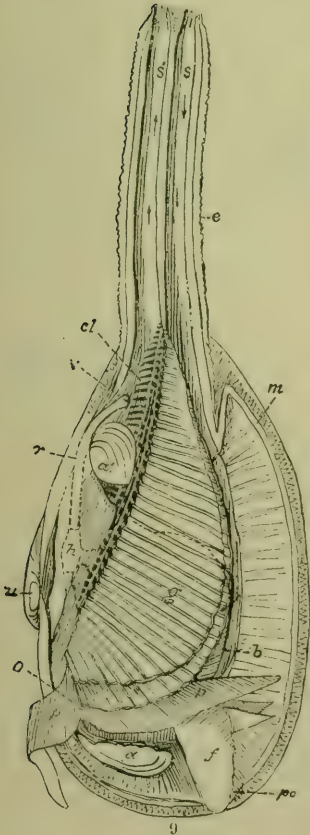
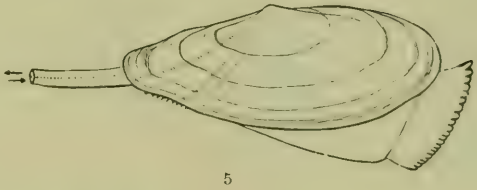
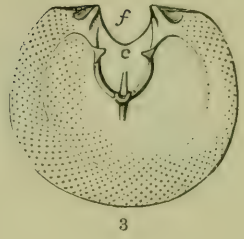
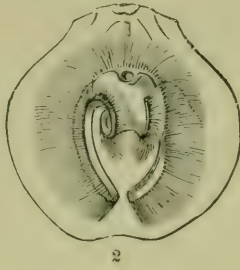
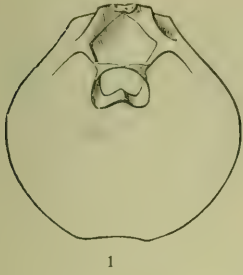


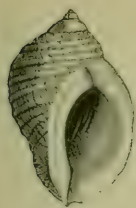


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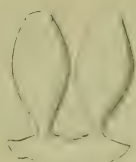




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No. 785

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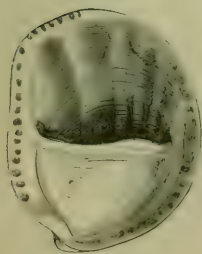
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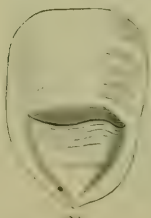
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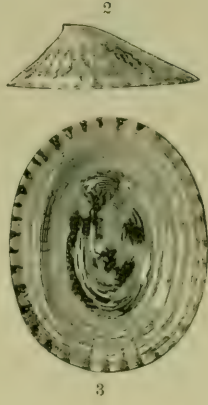
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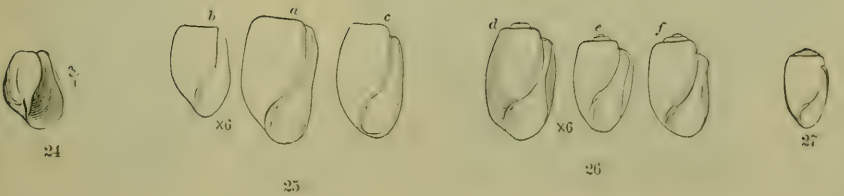
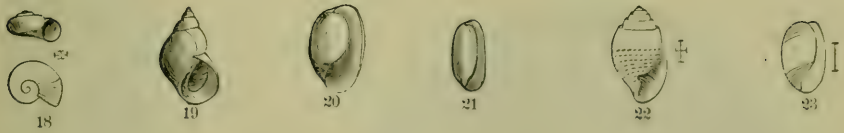


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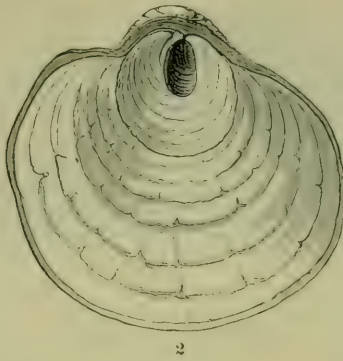
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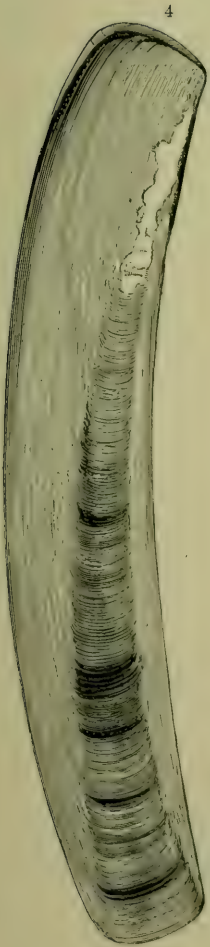
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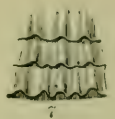
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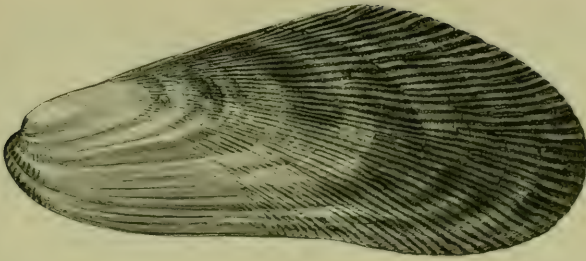
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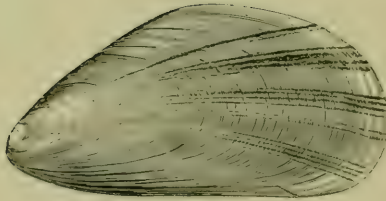
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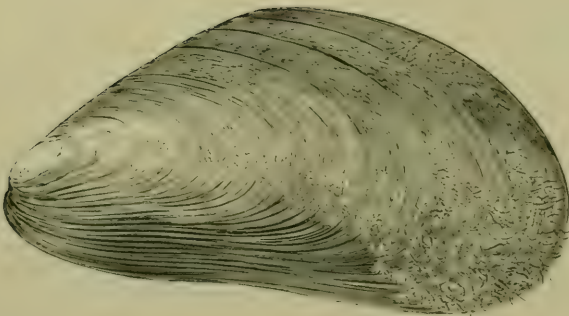
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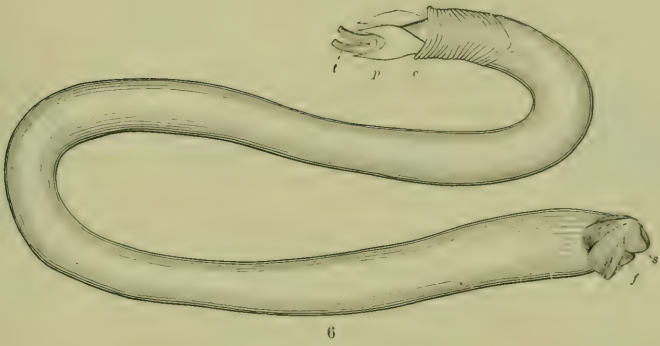
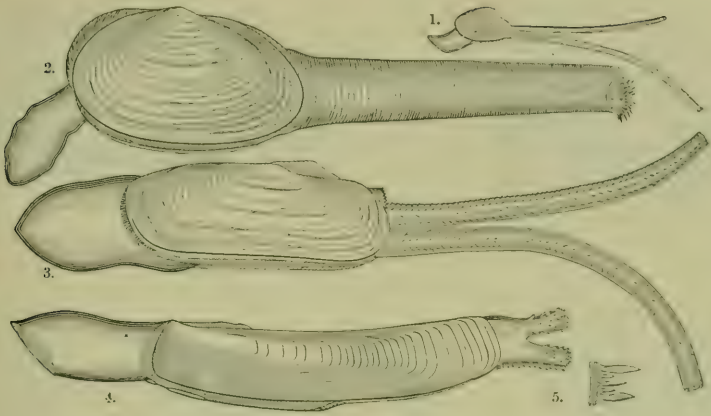
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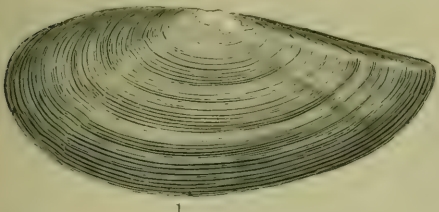


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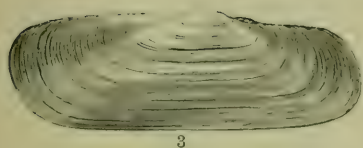




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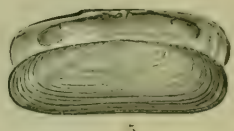
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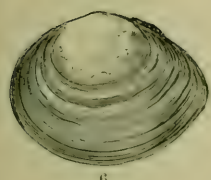
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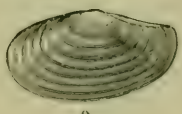
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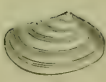
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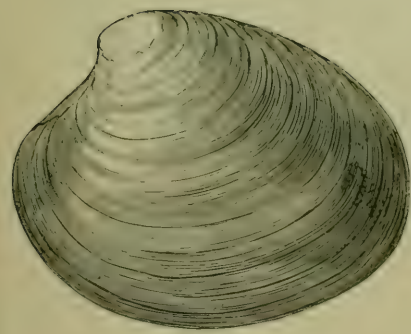
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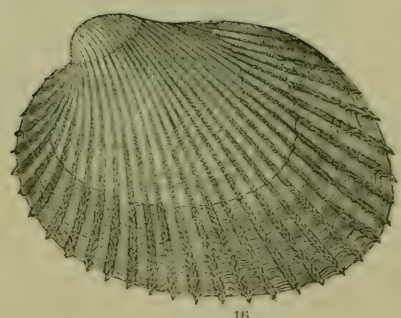
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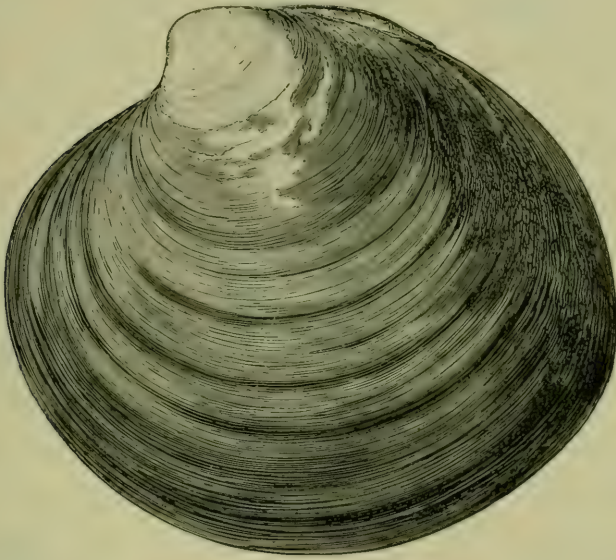
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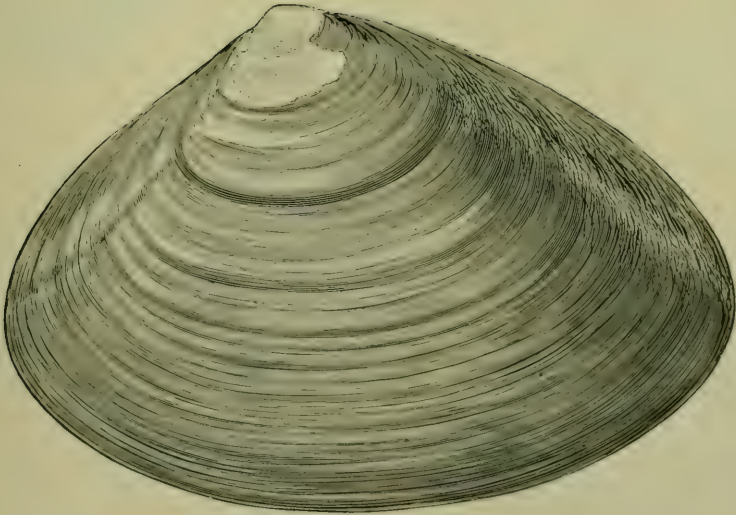
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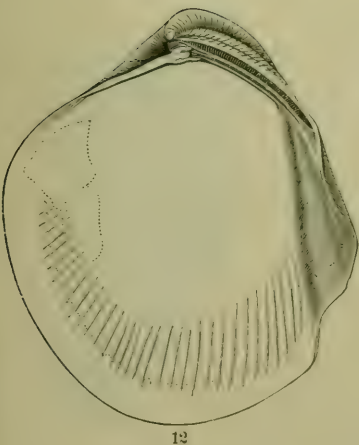
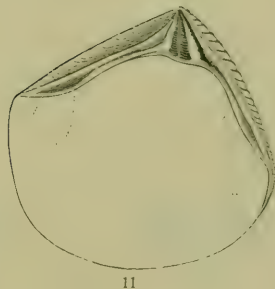
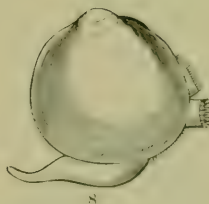
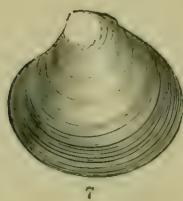
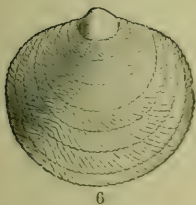
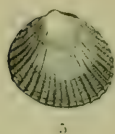
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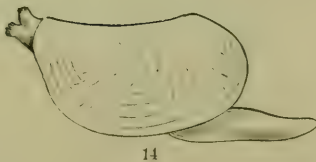
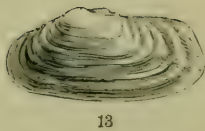
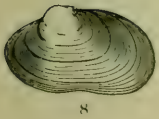
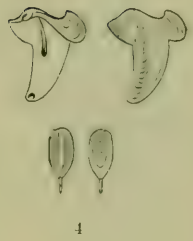
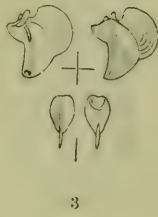
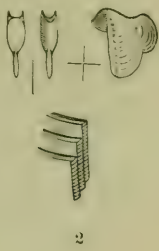
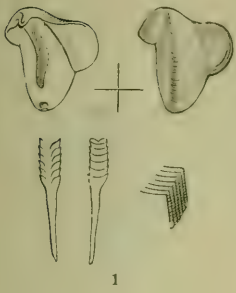


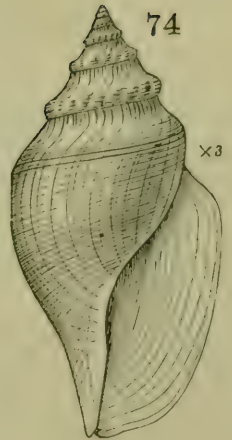
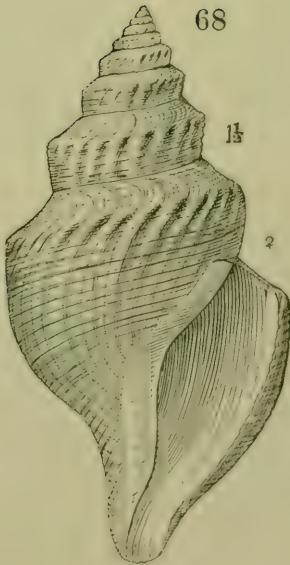
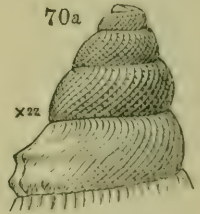
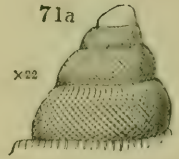
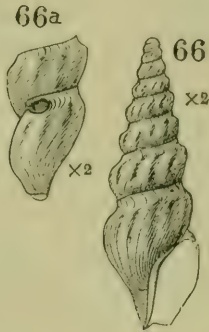
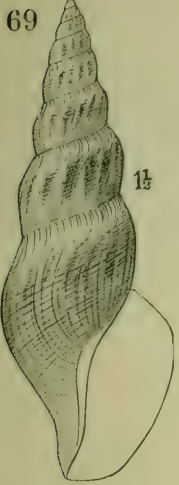
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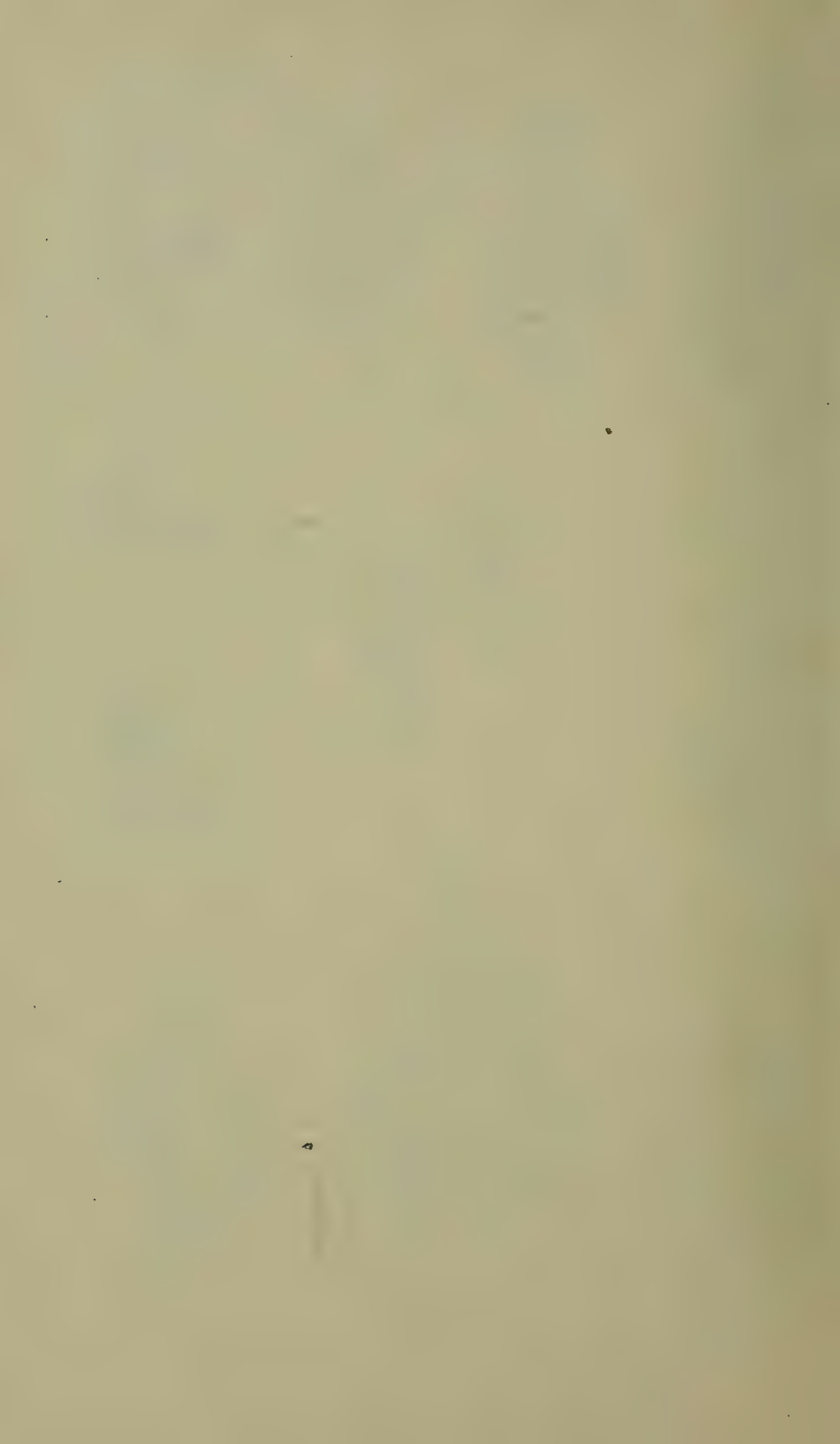


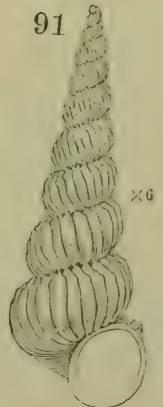
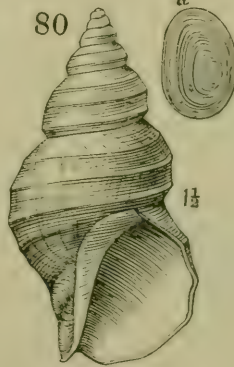
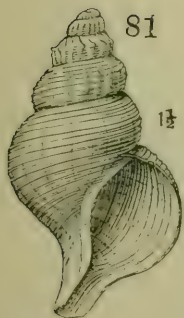
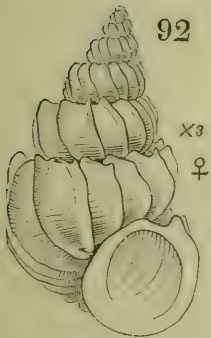
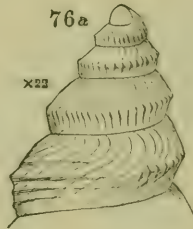
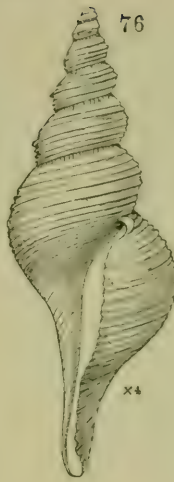
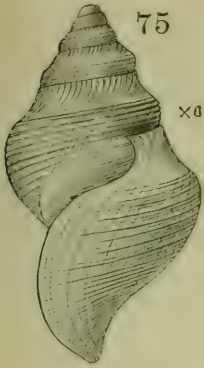
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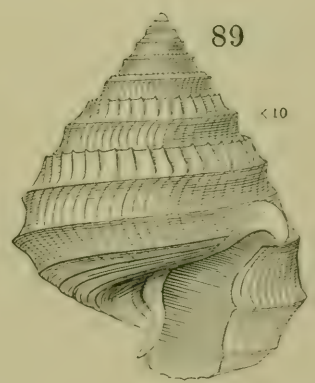
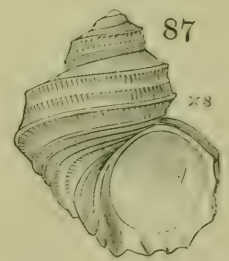
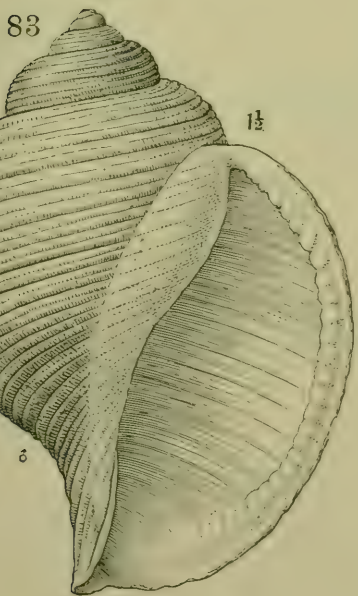
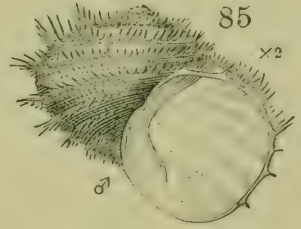
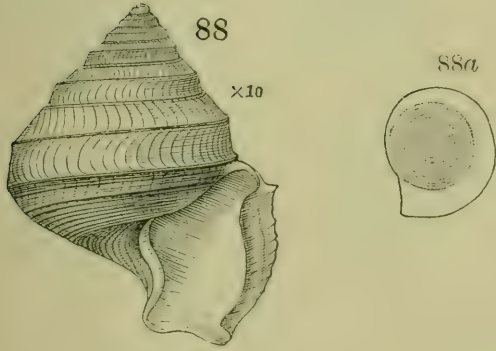
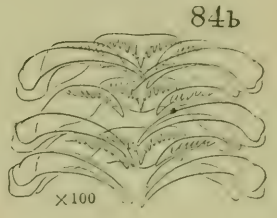
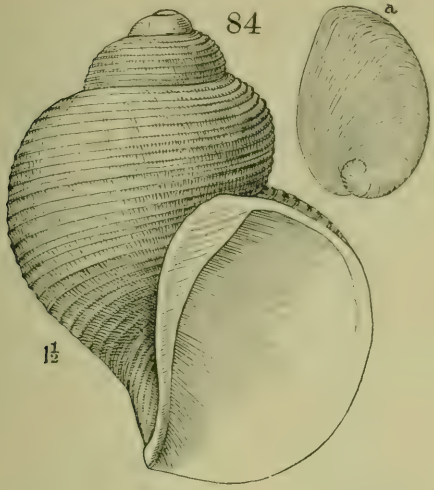


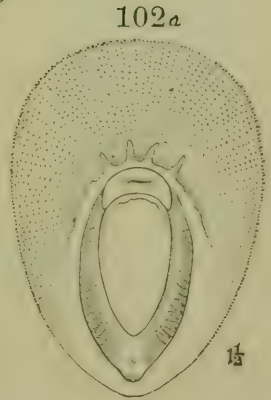
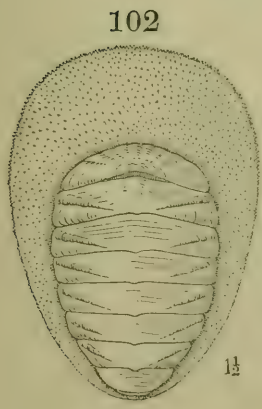
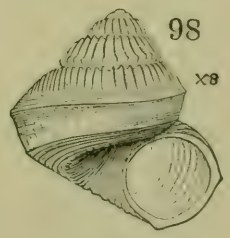
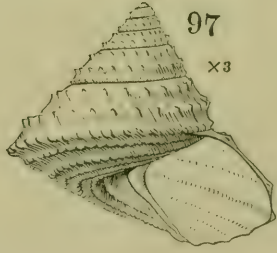
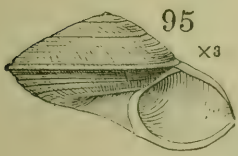
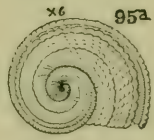
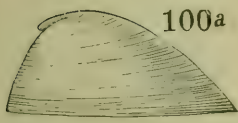
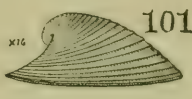
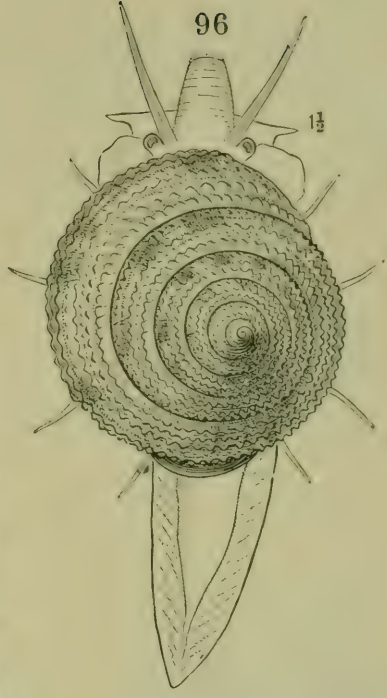
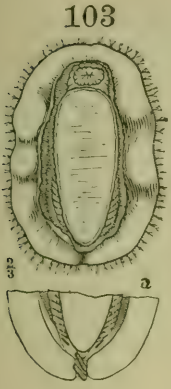


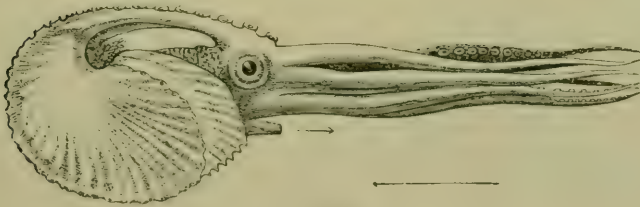
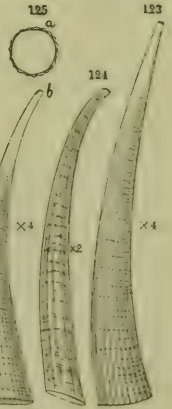
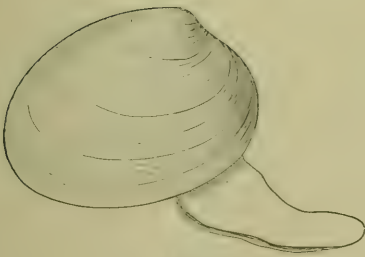
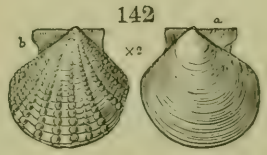
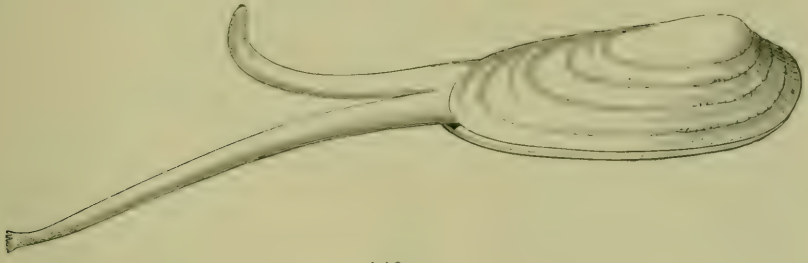
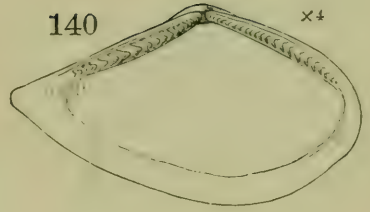


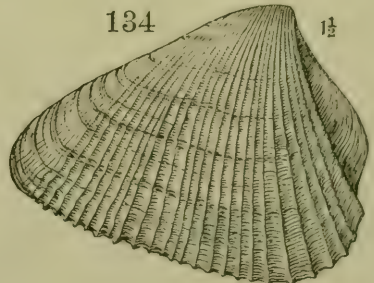
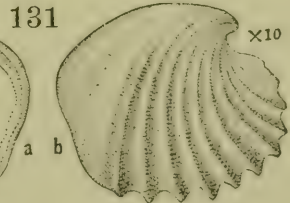
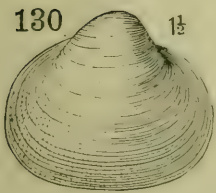
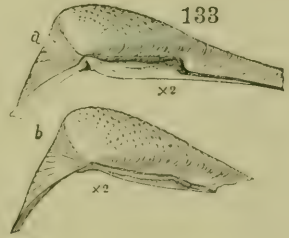
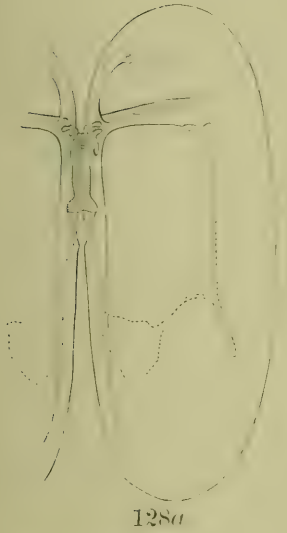
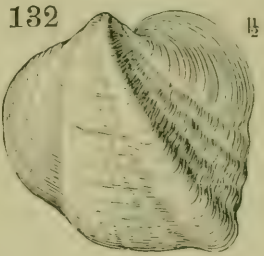
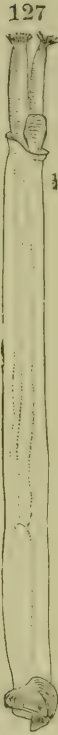
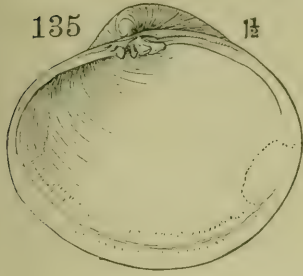


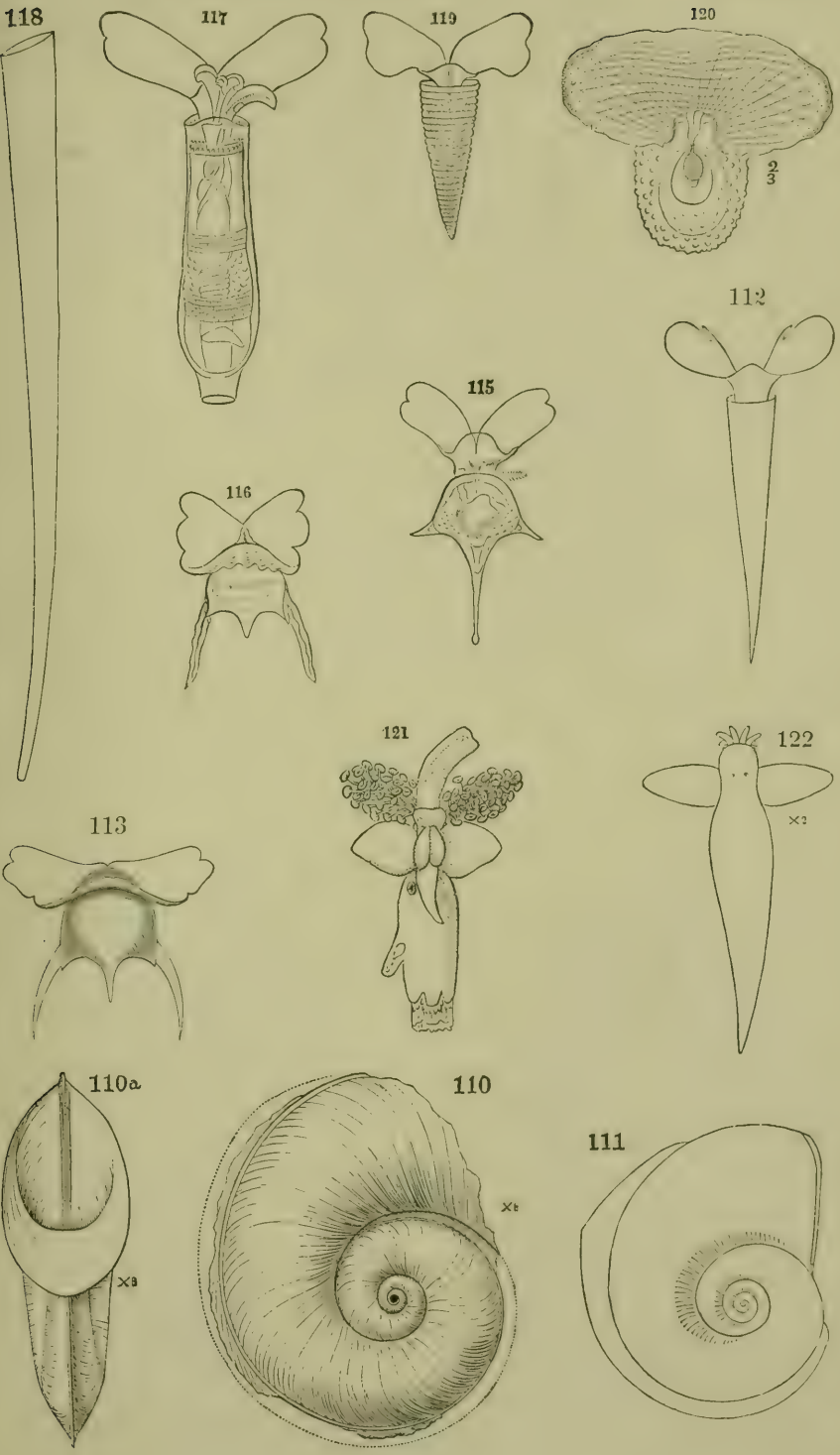




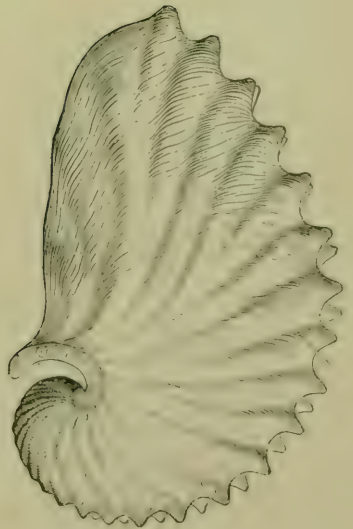
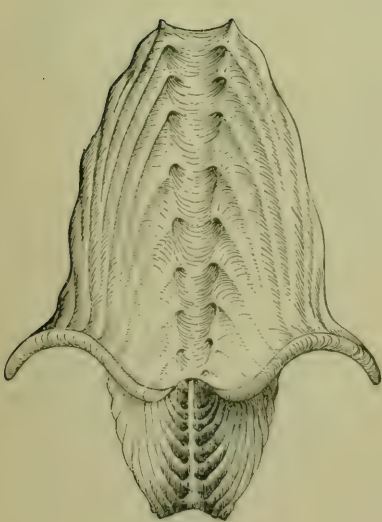
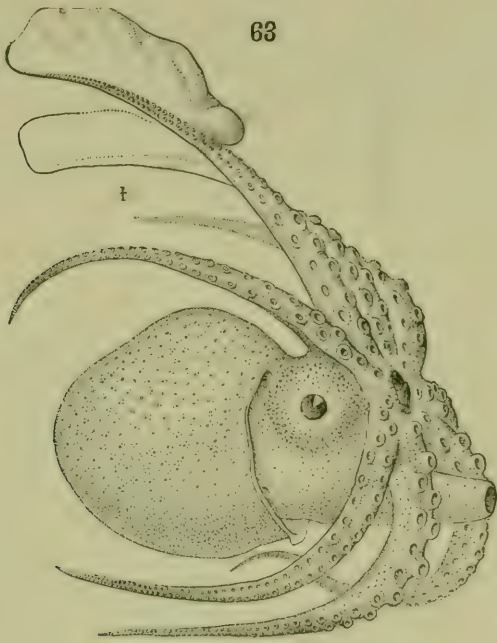


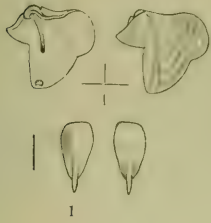




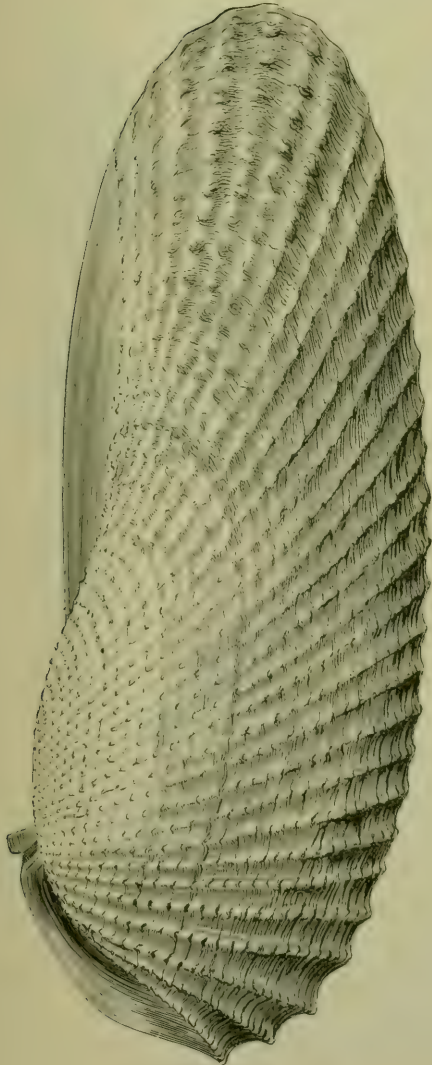


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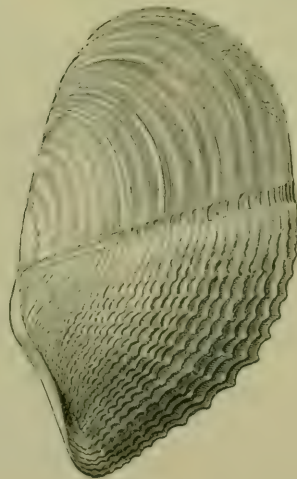
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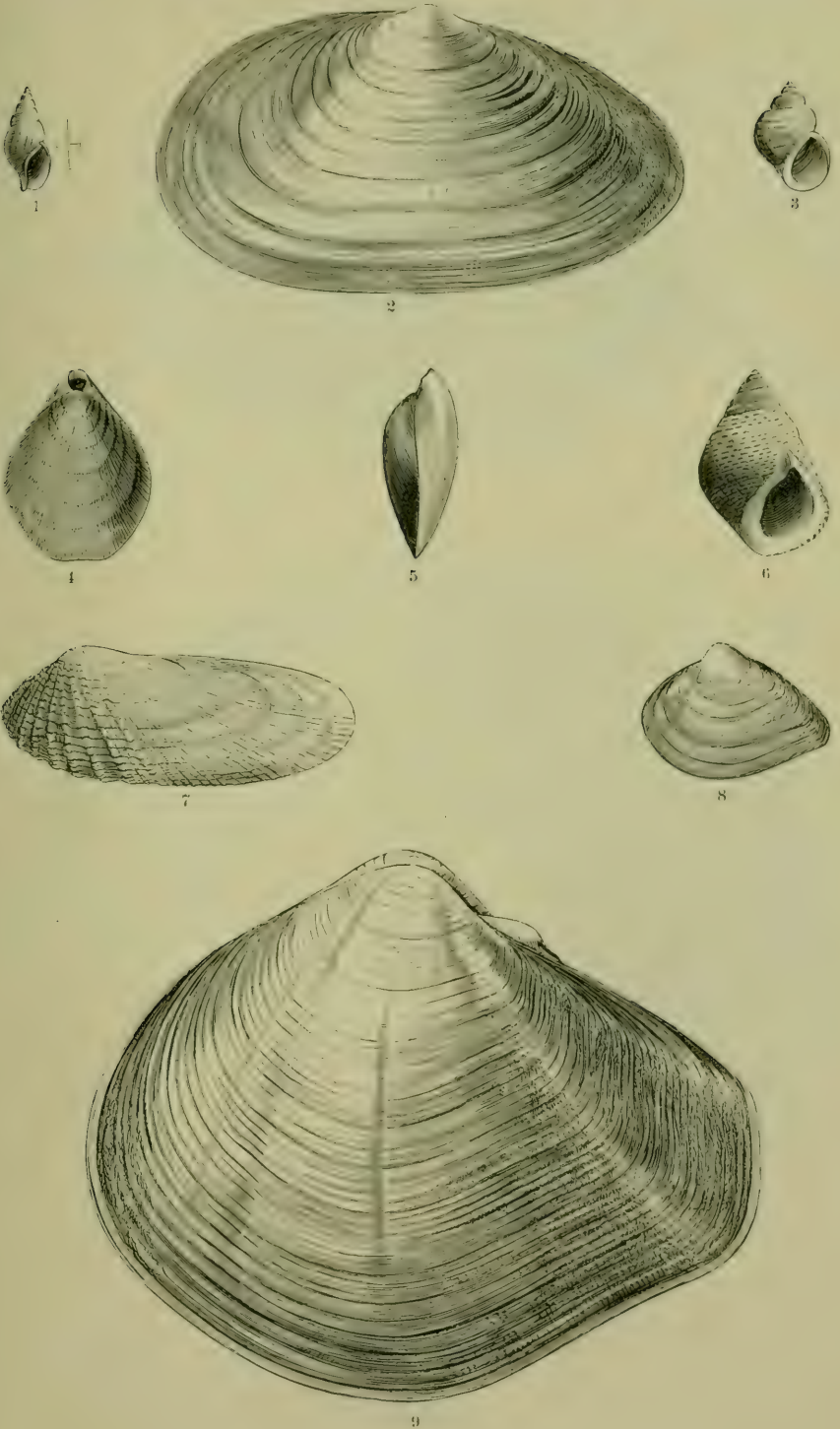
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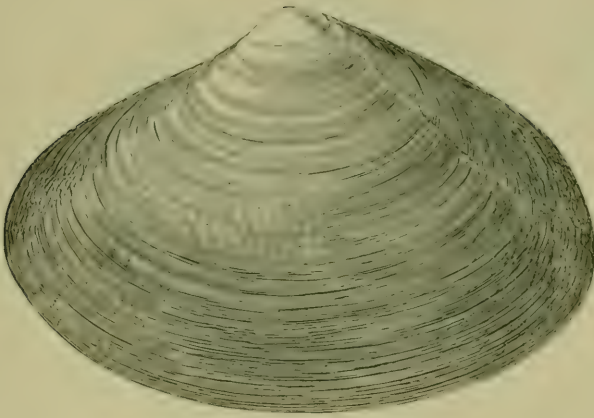


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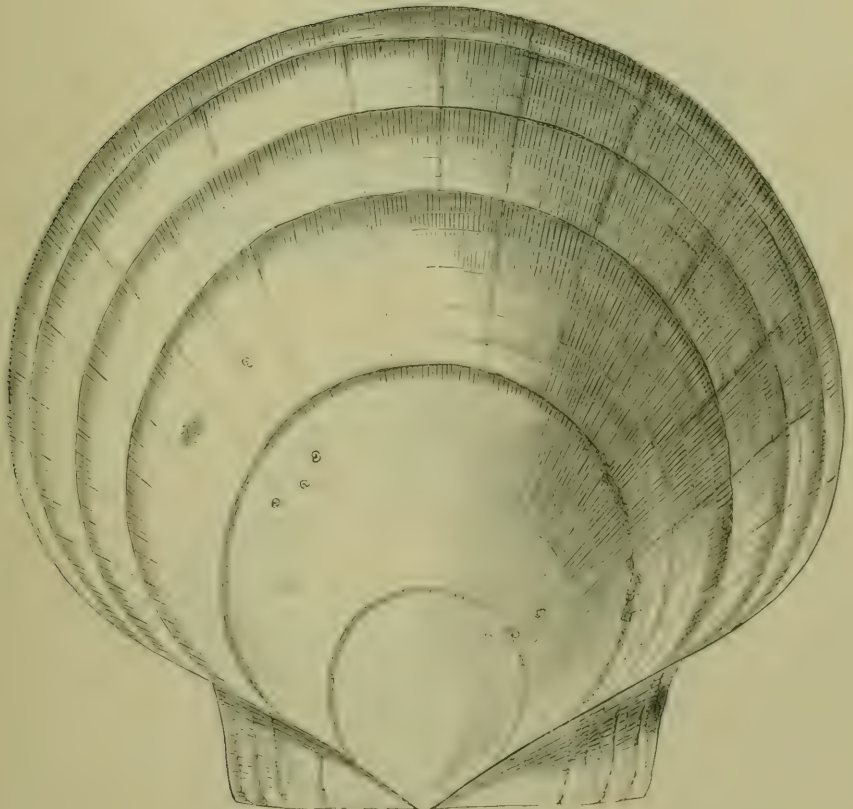


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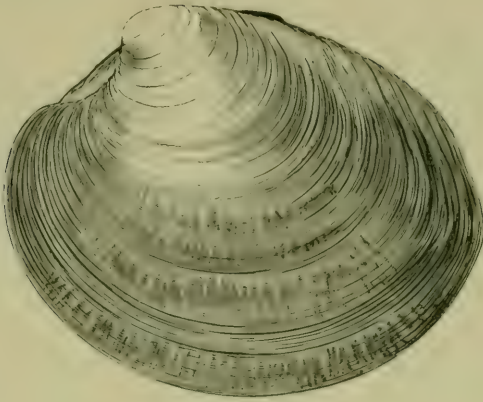




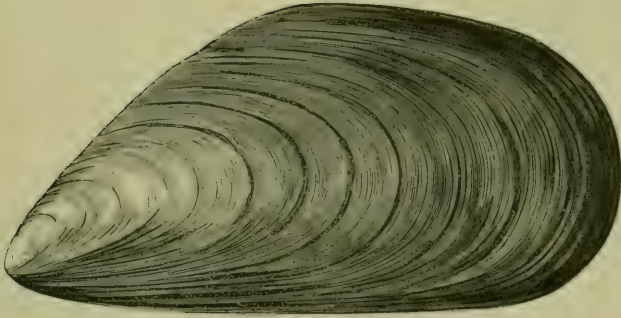
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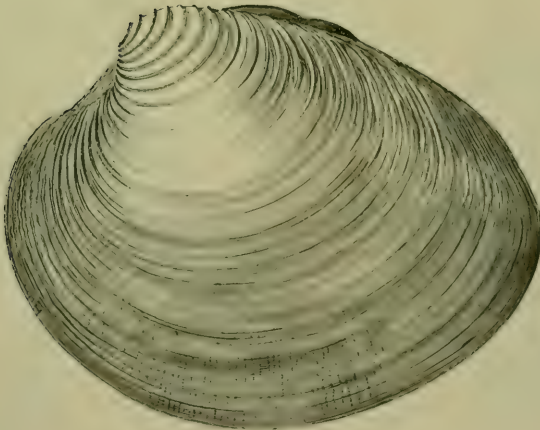
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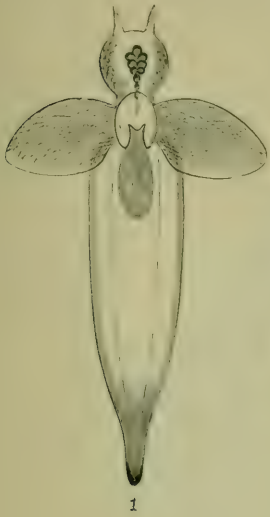
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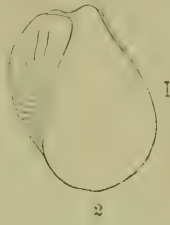
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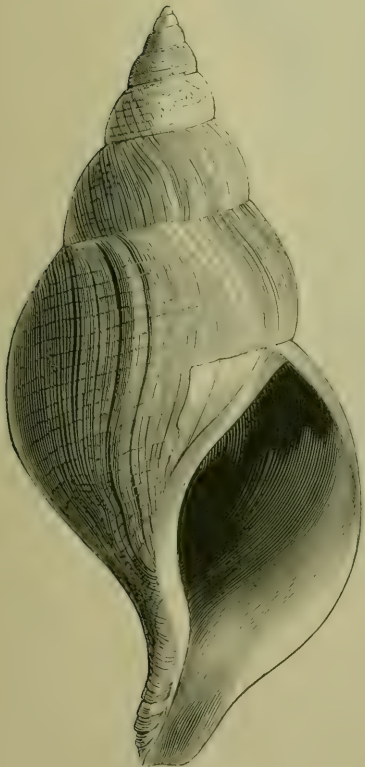
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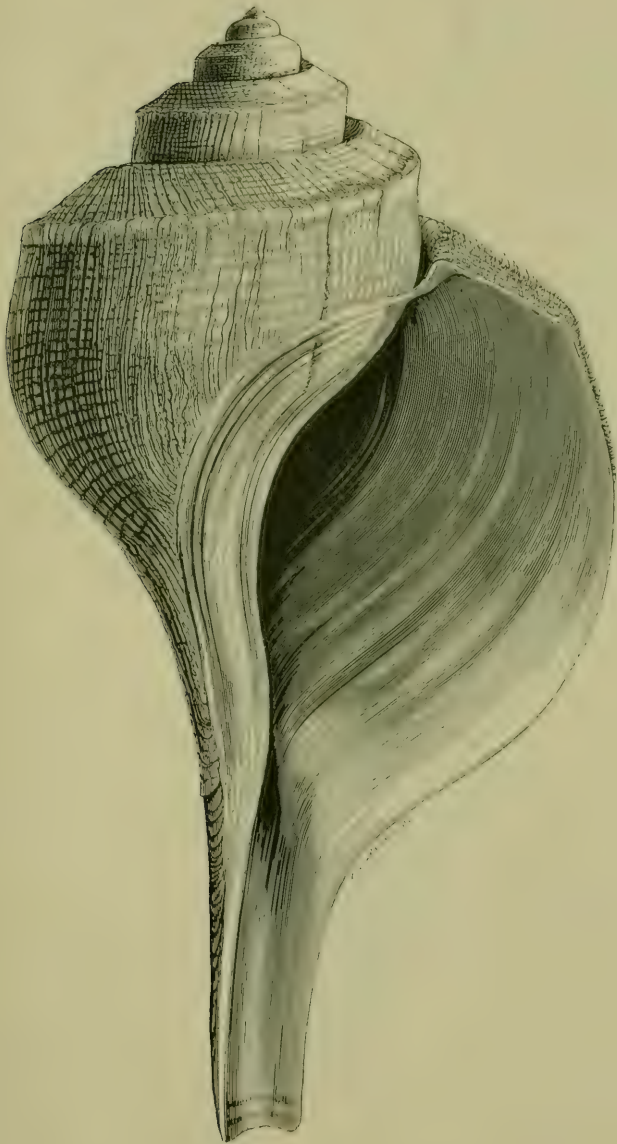
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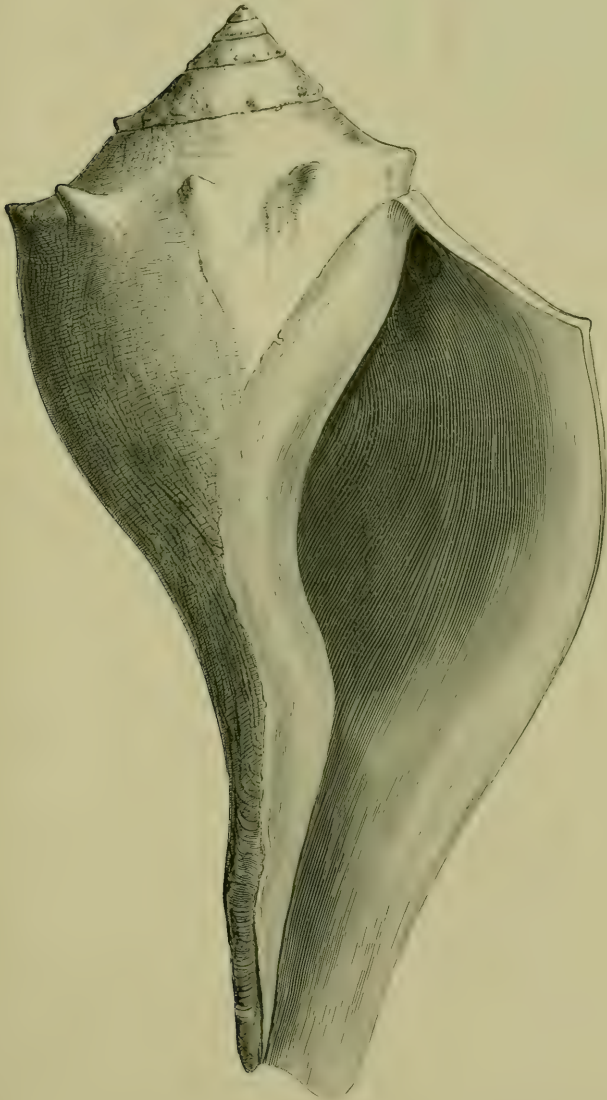


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