

SMITHSONIAN INSTITUTION.
UNITED STATES NATIONAL MUSEUM.

ILLUSTRATIONS AND DESCRIPTIONS OF NEW,
UNFIGURED, OR IMPERFECTLY KNOWN
SHELLS, CHIEFLY AMERICAN, IN
THE U. S. NATIONAL MUSEUM.

BY

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(with Plates XXVII-XL).

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Color pale yellowish, with darker yellow or brown flammules. Only two imperfect specimens of this fine species are known, both from the above locality.

TEREBRA (SUBULA) FLORIDANA Dall.

Plate XXIX, fig. 9.

Subula floridana DALL, Rep. Blake Gastr., Bull. Mus. Comp. Zool., XVIII, 1889, p. 63.

Terebra (Subula) floridana DALL, Bull. 37, U. S. Nat. Mus., 1889, p. 94.

Key West and Florida Strait, dredged by the U. S. Fish Commission steamer *Albatross* in 45 to 56 fathoms, sand. U.S.N.M., 87222. It is of a pale straw color.

TEREBRA (ACUS) RUSHII Dall.

Plate XXIX, fig. 6.

Terebra (Acus) rushii DALL, Rep. Blake Gastr., Bull. Mus. Comp. Zool., XVIII, 1889, p. 64.

Dredged 5 miles off Cape Florida, in 8 fathoms, by Dr. W. H. Rush, U. S. N. U.S.N.M., 82952.

It is a small, brilliantly white shell, remarkable for its exclusively spiral sculpture.

CONUS STIMPSONI, new species.

Plate XXIX, fig. 7.

Conus stimpsoni DALL, MS., in Coll. U. S. Nat. Mus.

Dredged by the U. S. Fish Commission steamer *Albatross*, in 60 fathoms, off Key West. U.S.N.M., 107371.

Shell of about twelve whorls, as figured, slopes of the spire somewhat concave, turreted, the nuclear whorl rounded, smooth; the following four furnished with a beaded keel at the shoulder; this keel becomes entire on the subsequent whorls; above the shoulder the whorls are slightly concave, the suture appressed, and there are about three faint spiral grooves on the concave surface; last whorl with shallow squarish channels, as figured. The periostracum is thin, pale straw color, finely axially striated. The color of the shell is pinkish white, suffused with salmon pink near the shoulder and on the spire and base, with a very faint, cloudy band of the same about midway between base and shoulder. Altitude of shell, 37 mm.

The species is named in honor of the late Dr. William Stimpson, whose last field work was done in the vicinity of the Florida Strait.

DAPHNELLA EUGRAMMATA, new species.

Plate XXIX, fig. 3.

Dredged at station 2328, off Habana, in 203 fathoms, bottom temperature 78° F., by the U. S. Fish Commission. U.S.N.M., 107448.

Shell small, yellowish white, with rather coarse spiral channels, separated by narrow, rounded threads crossed by narrow riblets, strong on the upper whorls, on the last fainter, extending axially from the broad concave fasciole to about the middle of the whorl, where they become obsolete, substantially as figured. Outer lip not lirate within, and no callus on the pillar. Altitude of figured type, 9 mm.; maximum diameter, 4 mm.

ADMETE MICROSCOPICA Dall.

Plate XXIX, fig. 4.

Cancellaria microscopica DALL, Rep. Blake Gastr., Bull. Mus. Comp. Zool., XVIII, 1889, p. 131.

Admete ? microscopica DALL, Bull. 37, U. S. Nat. Mus., 1889, p. 106.

Campeche Bank, off Yucatan; Florida Strait, and off Fernandina, Florida, in 200 to 780 fathoms, U. S. Fish Commission steamer *Albatross* and Dr. W. H. Rush. U.S.N.M., 82977.

The plaits on the pillar are either not fully developed, or, as seems more probable, are almost obsolete, as are the inner lirations of the outer lip. For this reason it seemed more appropriately placed in *Admete*, though the general appearance is more like that of *Trigonostoma* in miniature. The largest specimen observed measures only 4.3 mm. in length.

AURINIA DUBIA Broderip.

Plate XXIX, fig. 11.

Voluta dubia BRODERIP, Zool. Journ., III, 1828, p. 81, pl. III, fig. 1.

Aurinia dubia DALL, Rep. Blake Gastr., Bull. Mus. Comp. Zool., XVIII, 1889, p. 151.

North Carolina to the Gulf of Mexico, in 34 to 168 fathoms. U.S.N.M., 54544.

Full synonymy and details of the gross anatomy will be found in the Blake report. The shell is so thin and fragile that it is probably always destroyed before reaching the beaches when cast up by the sea. The color is salmon pink with squarish dark brown spots, very much as in the case of *Scaphella junonia*. The figures of this species being hardly accessible to American students, it was thought desirable to provide one here.

MURICIDEA PHILIPPIANA Dall.

Plate XXIX, fig. 5.

Muricidea philippiana DALL, Rep. Blake Gastr., Bull. Mus. Comp. Zool., XVIII, Mar., 1889, p. 213.

Among coral at low water, at Key West, Hemphill, and off Cape Catoche, Yucatan, in 20 to 25 fathoms, coral sand, U. S. Fish Commission steamer *Albatross*. U.S.N.M., 93337.

- Fig. 11. *Ashmunella rhyssa* Dall, profile; diameter 16.0 mm.; p. 500.
 12. *Zonitoides (Pseudohyalina) pugetensis* Dall, from above; major diameter 1.5 mm.; p. 500.
 13. *Ashmunella pseudodonta* Dall, from below; diameter 14.0 mm.; p. 500.
 14. *Ashmunella rhyssa* Dall, from below; diameter 16.0 mm.; p. 500.
 15. *Ashmunella pseudodonta* Dall, from above; diameter 14.0 mm.; p. 500.

PLATE XXVIII.

- Fig. 1. *Ceres nelsoni* Dall, from above; diameter 27.0 mm.; p. 501.
 2. *Holospira (Haplostemma) hamiltoni* Dall, profile of the basal whorls; p. 501.
 3. *Ceres nelsoni* Dall, basal view; diameter 27.0 mm.; p. 501.
 4. *Ashmunella ashmuni* Dall, basal view; diameter 14.0 mm.; p. 501.
 5. Portion of surface of *Ceres nelsoni*, enlarged to show granular sculpture.
 6. *Ashmunella ashmuni* Dall, from above; diameter 14.0 mm.; p. 501.
 7. *Ashmunella pseudodonta* Dall, profile; diameter 14.0 mm.; p. 500.
 8. *Ceres nelsoni* Dall, profile; diameter 27.0 mm.; p. 501.
 9. *Ashmunella ashmuni* Dall, profile; diameter 14.0 mm.; p. 501.
 10. *Siphonaria lineolata* Orbigny, basal view; longitude 24.0 mm.; p. 501.
 11. *Holospira (Haplostemma) hamiltoni* Dall, profile; altitude 19.0 mm.; p. 501.
 12. *Siphonaria alternata* Say, basal view; longitude 24.5 mm.; p. 501.
 13. *Siphonaria lineolata* Orbigny, profile; longitude 24.0 mm.; p. 501.
 14. *Siphonaria alternata* Say, profile; longitude 24.5 mm.; p. 501.

PLATE XXIX.

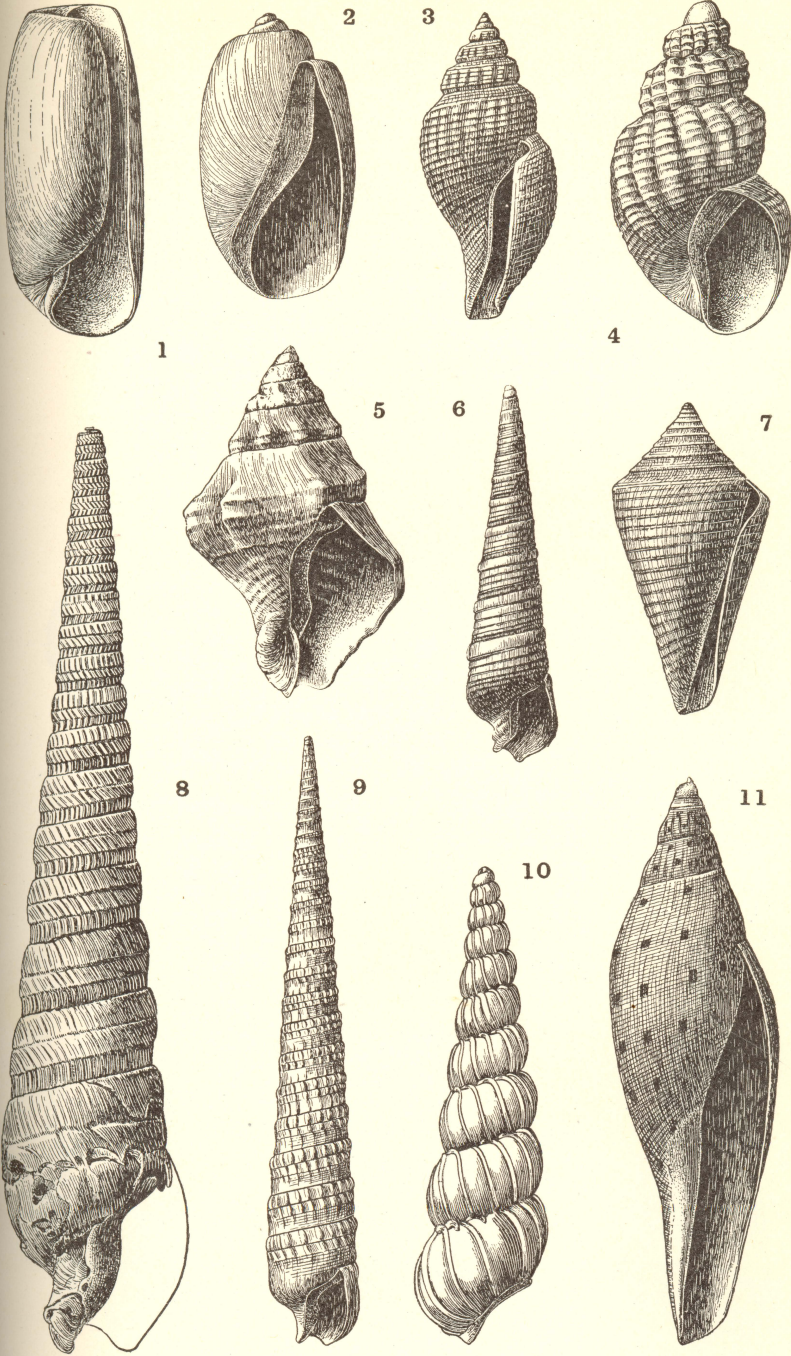
- Fig. 1. *Cylichna verrillii* Dall; altitude 7.5 mm.; p. 502.
 2. *Retusa mayoi* Dall; altitude 8.3 mm.; p. 502.
 3. *Daphnella eugrammata* Dall; altitude 9.0 mm.; p. 503.
 4. *Admete microscopica* Dall; altitude 4.3 mm.; p. 504.
 5. *Muricidea philippiana* Dall; altitude 17.4 mm.; p. 504.
 6. *Terebra rushii* Dall; altitude 15.0 mm.; p. 503.
 7. *Conus stimpsoni* Dall; altitude 37.0 mm.; p. 503.
 8. *Terebra texana* Dall; altitude 137.0 mm.; p. 502.
 9. *Terebra floridana* Dall; altitude 70.0 mm.; p. 503.
 10. *Scala scipio* Dall; altitude 16.0 mm.; p. 506.
 11. *Aurinia dubia* Broderip; altitude 69.0 mm.; p. 504.

PLATE XXX.

- Fig. 1. *Muricidea (Pseudoneptunea) multangula* Philippi; altitude 31.0 mm.; p. 505.
 2. *Muricidea ostrearum* Conrad; altitude 28.0 mm.; p. 505.
 3. *Scala (Amæa) mitchelli* Dall; altitude 36.0 mm.; p. 506.
 4. The same, basal view; diameter 14.0 mm.; p. 506.
 5. *Umbraculum (Hyalopatina) rushii* Dall; longitude 9.3 mm.; p. 502.
 6. *Latirus cayohuesonicus* Sowerby and Melvill; altitude 16.0 mm.; p. 505.
 7. *Scala (Cirsotrema) cochlea* Sowerby; altitude 20.0 mm.; p. 506.
 8. *Scala nitidella* Dall; altitude 13.5 mm.; p. 505.
 9. *Scala (Acrilla) retifera* Dall; altitude 12.5 mm.; p. 506.

PLATE XXXI.

- Fig. 1. *Arca adamsi* Smith, var. *conradiana* Dall; longitude 7.0 mm.; p. 508.
 2. *Arca (Cucullaria) saginata* Dall; longitude 6.0 mm.; p. 508.
 3. *Pandora (Kennerleyia) bushiana* Dall; longitude 10.0 mm.; p. 511.
 4. *Pandora (Clidiophora) trilineata* Say; longitude 19.0 mm.; p. 511.
 5. *Meretrix (Transennella) conradina* Dall; longitude 13.5 mm.; p. 509.



EAST AMERICAN GASTROPODS.

FOR EXPLANATION OF PLATE SEE PAGE 563.