

MARINE PROSOBRANCHS
OF TROPICAL WEST AFRICA COLLECTED BY THE
"ATLANTIDE" EXPEDITION 1945-46

PART I

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I. INTRODUCTION

Foreword.

THE "Atlantide" Expedition 1945-46 to Tropical West Africa brought back a considerable material of prosobranchs—perhaps the largest collection hitherto obtained by any single expedition from this area, the marine fauna of which up to now was only poorly known.

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imens, however, the brown colour is more evenly distributed over the shell. These specimens belong to the var. *guttatus* Kiener (TRYON p. 84, pl. 26, fig. 61). In some of the specimens the apex has a pinkish colour as described by DUNKER. Measurements: 34.1×18.2 , 32.7×7.5 .

Distribution: Cape Verde Is. to Angola.

III. TEREBRIDAE

TEREBRA

Terebra grayi E. A. Smith.

(Pl. I, fig. 7).

1834 *Terebra gracilis* Gray p. 61.

1877 *Terebra grayi* Smith p. 227.

1892 *Terebra grayi* Sowerby p. 24, pl. 4, fig. 89.

Material:

St. 70, 4°50' N 2°49' W., 60-65 m. 7 shells.

St. 85, 5°37' N. 0°38' E., 50 m. 4 shells.

St. 106, 3°55' N. 6°08' E., 53 m. 2 shells.

St. 116, 4°01' N. 7°56' E., 66 m. 2 shells.

St. 123, 2°03' S. 9°05' E., 50 m. 2 juv. spec.

St. 136, 8°30' S. 13°14' E., 45 m. 5 shells.

St. 163, 13°43' N. 17°23' W., 65-90 m. 2 shells.

Remarks: The specimens from St. 70 were compared with the type specimen of *Terebra grayi* Smith, which is in the British Museum (Nat. Hist.), London. Dr. G. L. Wilkins (in litt.) made the following remark: "The type is somewhat distorted and faded but there is little doubt that your specimen is authentic."

The species was first described under the name *T. gracilis* by GRAY (l. c.). As this name proved to be preoccupied by a fossil species SMITH (l. c.) gave a new description and named the species *T. grayi*. The description was not accompanied by any figure. The origin of the species remained unknown until it was recorded by SOWERBY (l. c.) from SE. Africa. On this occasion the species seems to be figured for the first time. Although the figure is far from good the general shape and the presence of the spiral sculpture seems to indicate, that the present material is the same species as figured by Sowerby.

The species does not seem previously to have been recorded from W. Africa. Although most of the shells are more or less fragmented, some are in a very good state and it is possible to give here, besides a figure, a description adding a number of details not mentioned by Smith.

The shell has 18–20 whorls. The protoconch consists of about $4\frac{1}{2}$ smooth whorls. The ribs on the adult shell are very distinct and regular. In the largest specimen 12 ribs are present on the body whorl. The spiral sculpture is very distinct. It consists of 6 to 8 coarser lines on the lower two thirds of the whorl. Besides, a fine spiral sculpture is distributed all over the whorl. On the ribs only traces of the spiral sculpture can be detected. Colouration: Greyish brown. On the upper part of the whorl, between the suture and the spiral groove darker brown spots are often present between the ribs. In some shells a faint whitish spiral band is found. The lowest part of the whorl including the siphon is darker brown. The colouration of the body whorl can be seen inside the aperture. Measurements: 41.6×6.8 , 33.3×6.5 .

Distribution: Sierra Leone to Angola. S. Africa.

Terebra lepida Hinds.

- 1843 *Terebra lepida* Hinds p. 158.
 1860 *Terebra lepida* Reeve pl. 20, fig. 96a, b.
 1877 *Terebra (Abretia) lepida* Marrat p. 239.
 1890 *Terebra lepida* Dautzenberg p. 164.
 1912 *Terebra lepida* Dautzenberg p. 6.
 1947 *Terebra lepida* Nicklés p. 15.
 1950 *Terebra lepida* Nicklés p. 134, fig. 273.

Material:

- St. 44, $10^{\circ}22' N$. $16^{\circ}22' W$., 41–55 m. 1 spec.
 St. 52, off Monrovia, Liberia, 11 m. 2 juv. spec.
 St. 53, off Port Marshall, Liberia, 12 m. 1 fragm.
 St. 158, off Bathurst, Gambia, 10 m. 1 fragm.
 S. Vincent, Cape Verde Is. "Dana" 1921. 0–3 fathoms. 4 spec.

Remarks: This species has previously not been recorded from the Cape Verde Is. The largest specimen from this locality measured 30.4 mm.

Distribution: Cape Verde Is. to Angola.

Terebra micans Hinds.

- 1757 *Terebra Arvan* Adanson p. 53, pl. 4, fig. 4.
 1843 *Terebra micans* Hinds p. 157.
 1859 *Terebra micans* Deshayes p. 291.
 1859 *Terebra Adansoni* Deshayes p. 291.
 1860 *Terebra micans* Reeve pl. 9, fig. 35.
 1877 *Terebra micans* Marrat p. 239.
 1890 *Terebra micans* Dautzenberg p. 164.
 1891 *Terebra micans* Dautzenberg p. 12.
 1910 *Terebra micans* Dautzenberg p. 15.
 1912 *Terebra micans* Dautzenberg p. 6.
 1927 *Terebra micans* Lamy p. 385.
 1942 *Terebra micans* Fischer-Piette p. 163, pl. 3, fig. 1.
 1947 *Terebra micans* Nicklés p. 14.
 1950 *Terebra micans* Nicklés p. 133, fig. 272.

Material:

Lagos, Nigeria. Harry Madsen leg. 3 spec.
 Guinea. 2 shells.

Remarks: The largest specimen had the top of the shell broken off and measured 23.7×6.2 .

Distribution: Mauritania to Angola.

Terebra senegalensis Lamarck.

- 1757 *Terebra Faval* Adanson p. 54, pl. 4, fig. 5.
 1822 *Terebra senegalensis* Lamarck p. 287.
 1840 *Terebra javat* d'Orbigny in Webb & Berthelot p. 92.
 1853 *Terebra Senegalensis* Dunker p. 31.
 1877 *Terebra senegalensis* Marrat p. 239.
 1881 *Acus senegalensis* Rochebrune p. 289.
 1885 *Terebra senegalensis* Tryon p. 16, pl. 3, fig. 41-44.
 1887 *Terebra senegalensis* Hoyle p. 340.
 1890 *Terebra senegalensis* Dautzenberg p. 164.
 1891 *Terebra senegalensis* Dautzenberg p. 12.
 1893 *Terebra senegalensis* Stearns p. 327.
 1909 *Terebra senegalensis* Nobre p. 8.
 1910 *Terebra senegalensis* Dautzenberg p. 14.
 1912 *Terebra senegalensis* Dautzenberg p. 5.
 1923 *Terebra senegalensis* Tomlin p. 88.
 1942 *Terebra senegalensis* Fischer-Piette p. 164, pl. 2, fig. 2.
 1947 *Terebra senegalensis* Nicklés p. 14.
 1950 *Terebra senegalensis* Nicklés p. 133, fig. 271.

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. Africa.

inds.

c.
m.

fathoms. 4 spec.

not been recorded from the from this locality measured

a.

Material:

- St. 146, 9°27' N. 14°48' W., 51 m. 1 fragment.
 St. 147, 9°28' N. 14°58' W., 45 m. 1 shell.
 St. 148, 9°57' N. 15°22' W., 25 m. 1 fragment.
 Dakar, Senegal, 16.IV.1927. Harry Madsen leg. 1 juv. spec.

Remarks: The largest specimen measured 81.8 × 12.6.

Distribution: Canary Is. Senegal to Angola.

Terebra corrugata Lamarck.

- 1822 *Terebra corrugata* Lamarck p. 287.
 1837 *Terebra corrugata* Kiener p. 25, pl. 13, fig. 31.
 1857 *Terebra regina* Deshayes p. 67, pl. 3, fig. 7.
 1859 *Terebra regina* Deshayes p. 311.
 1859 *Terebra bitorquata* Deshayes p. 313.
 1860 *Terebra corrugata* var. Reeve p. 450.
 1877 *Terebra corrugata* Marrat p. 239.
 1885 *Terebra corrugata* var. *bitorquata* Tryon, p. 26, pl. 7, fig. 21.
 1904 *Terebra (Myurella) corrugata* var. *regina* v. Martens p. 8.
 1906 *Terebra corrugata* Dautzenberg & Fischer p. 7.
 1909 *Terebra corrugata* Nobre p. 8.
 1914 *Terebra corrugata* Tomlin & Shackelford p. 241.
 1947 *Terebra corrugata* Nicklès p. 15.
 1950 *Terebra corrugata* var. *bitorquata* Nicklès p. 134, fig. 274.

Material:

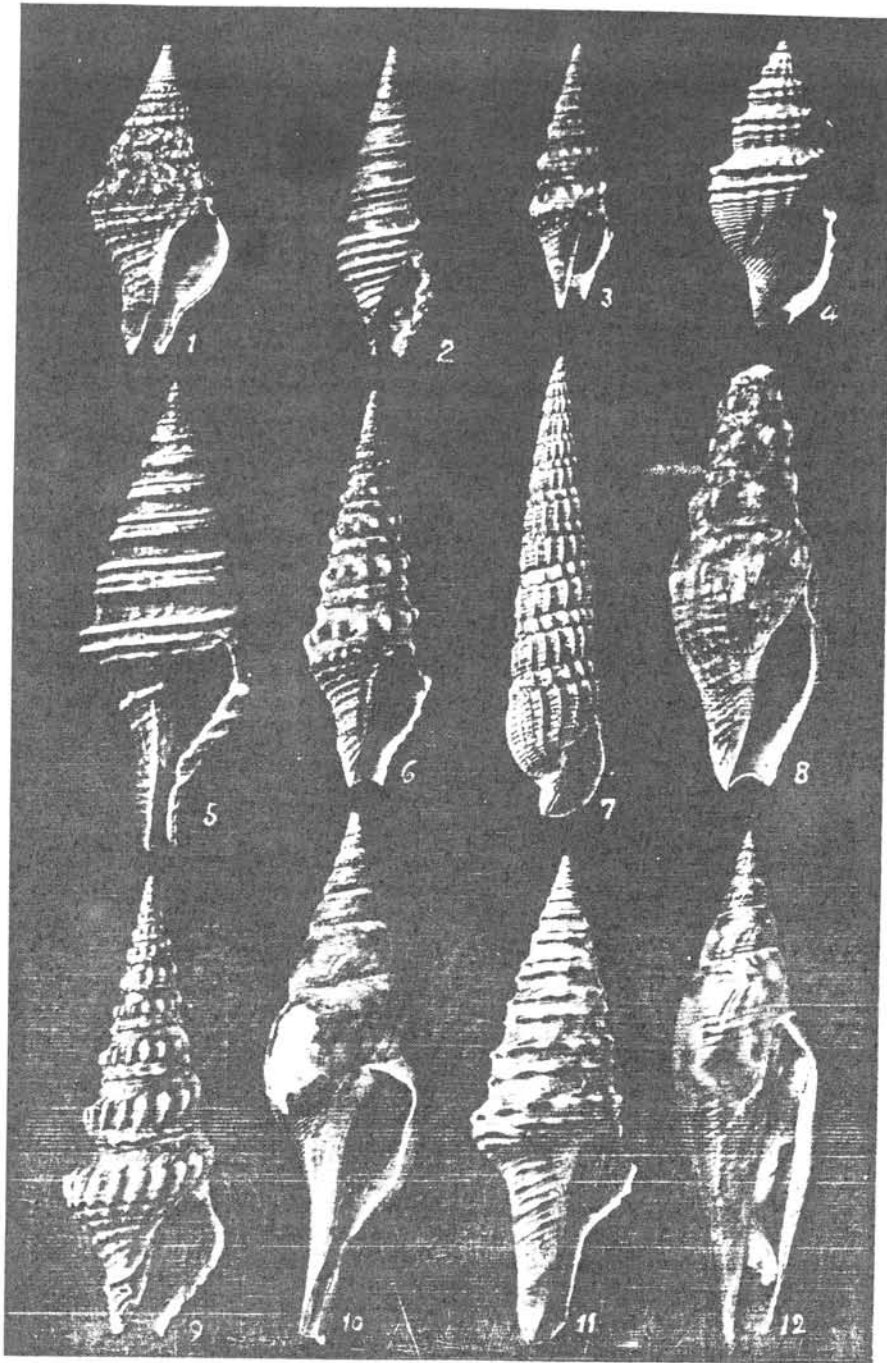
- St. 49, 7°29' N. 13°38' W., 74-79 m. 2 fragments.
 St. 145, 9°20' N. 14°15' W., 32 m. 1 juv. spec. and 1 fragment.
 St. 146, 9°27' N. 14°48' W., 51 m. 2 fragments.

Remarks: A somewhat fragmented shell measured 77.3 mm.

Distribution: Cape Verde Is. to Angola.

Pl. I. All figs. $\times 2$.

- 1 *Clavatula mystica* (Reeve). St. 161.
- 2 *Asthenotoma spiralis* (E. A. Smith). St. 86.
- 3 *Clavatula smithi* n. sp. Holotype.
- 4 *Cythara dautzenbergi* n. sp. Holotype.
- 5 *Clavatula strebeli* n. sp. Holotype.
- 6 *Clavatula coerulea* (Weinkauff). St. 161.
- 7 *Terebra grayi* E. A. Smith. St. 70.
- 8 *Turris carbonaria* (Reeve). St. 53.
- 9 *Drillia pyramidata* (Kiener). St. 161.
- 10 *Clavatula flammulata* n. sp. Holotype.
- 11 *Clavatula gabonensis* J. C. Melvill. St. 85.
- 12 *Genota nicklési* n. sp. Holotype.



PACHT & CRONE phot.