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PROCEEDINGS

OF THE

MALACOLOGICAL SOCIETY OF LONDON.

ON SOME MARINE SHELLS FROM PONDOLAND AND THE KOWIE,
WITH DESCRIPTIONS OF SEVENTEEN NEW SPECIES.

By G. B. SOWERBY, F.L.S.

Read 10th November, 1899.

PLATE I.

I HAVE recently received from Dr. H. Becker, of Grahamstown, an interesting collection of shells from Pondoland and the Kowie, containing the following species, many of which are believed to be new to science. The shells from Pondoland were collected by Mrs. Filmer, after whom I have the pleasure of naming three of the new species.

1. *EUTHRIA FILMERÆ*, n.sp. Pl. I, Fig. 3.

Testa acuminata, solidiuscula, antice alba, postice fusca, spira pyramidalis, acutiuscula; anfractus 8, convexi, obtusissime angulati, costis paucis latiusculis vix elevatis instructi; sutura callosa; anfractus ultimus supra leviter concavus, in medio convexus, infra contractus, brevissime rostratus; apertura latiuscula, intus lævis; columella antice recurva, postice rectiuscula. Long. 33, lat. 14 mm.

Hab.—Pondoland.

A shell of very striking aspect; the spire and upper half of the body-whorl being brown, the coloration terminating abruptly and evenly, leaving the lower half of the body-whorl pure white.

2. *EUTHRIA EBURNEA*, n.sp. Pl. I, Fig. 2.

Testa elongato-acuminata, alba, spira acute pyramidata; anfractus 7, supra leviter concavi, infra convexi, costis latiusculis parum elevatis instructi, spiraliter lævissime striati; anfractus ultimus spiram paulo superans, supra et infra concavus, in medio leviter convexus, brevissime rostratus; apertura ovalis, intus obscurissime lirata; labrum tenue; columella postice arcuata, antice leviter recurva. Long. 24, diam. 11 mm.

Hab.—Pondoland.

Somewhat similar to the preceding in form, but narrower, more closely plicate, and entirely white.

3. *TROPHON?* *INSIGNIS*, n.sp. Pl. I, Fig. 1.

Testa elongata, angusta, antice breviter acuminata, postice prolongata, pallide fulva; spira acute turrita; anfractus 5, carina crassiuscula, perconspicua, spiraliter instructi, supra et infra concavi; anfractus ultimus bicarinatus, infra contractus, breviter rostratus; apertura ovalis; peristoma simplex; columella levissime arcuata, ad basim leviter recurva. Long. 6, diam. 3 mm.

Hab.—The Kowie.

I place this remarkable little shell provisionally in the genus *Trophon*, but it is so unlike any known species of that, or any other genus, that in the absence of the operculum, radula, and soft parts, it is impossible to say with any certainty to what family it really belongs. It may form the type of a new genus.

4. *PURPURA* *HÆMASTOMA* (Linn.). A single specimen of a rather broad form and pale colour from Mossamedes. This species is common in the Mediterranean, West Africa (Senegal and Guinea Coast), West Indies, Atlantic and Pacific Coasts of America, etc. It may be doubted whether *P. consul*, Lk., said to inhabit the Philippines, is specifically distinct.

5. *PISANIA* *MONTROUZIERI*, Crosse. Several specimens from the Pondoland Coast, collected by Mrs. Filmer. Recorded locality: New Caledonia. This is the *P. crenilabrum* of A. Adams. Tryon places it as a variety of *P. fasciculata*, Reeve, found in the Philippines, but I consider it distinct.

6. *TRITONIDEA* *INSCULPTA*, n.sp. Pl. I, Fig. 4.

Testa oblongo-ovata, luteo-fulva, albo anguste unifasciata; spira elatiuscula, apice obtuso; sutura anguste canaliculata; anfractus 5, convexi, leviter rotundati, costis longitudinalibus numerosis (in anfr. ult. 14) crassiusculis rotundatis instructi, spiraliter multilirati et sulcati, sulcis inter costas excavatis; anfractus ultimus spiram paulo superans, convexus, antice leviter attenuatus et contractus, vix rostratus; apertura oblongo-ovalis; labrum crassiusculum; columella leviter contorta. Long. 11.5, diam. 6 mm.

Hab.—The Kowie.

A light fulvous shell, with a narrow white band; cancellated with close longitudinal plicæ, and revolving ridges. It is narrower and more closely sculptured than *T. subrubiginosa*, Smith, with which it has some affinity.

7. *NASSA* *FILMERÆ*, n.sp. Pl. I, Fig. 5.

Testa solidiuscula, antice ventricosa, postice acuminata, rufo-fusca, atro-fusco maculata, lineis transversis interruptis albo articulatis ornata, ad apicem purpureo tincta; spira pyramidata, leviter convexa; anfractus 6, convexiusculi, spiraliter obscure sulcati, primi 3-4 longitudinaliter costato-plicati, sequentes læves; ultimus inflatus, robustus,

basim versus liratus; apertura latiuscula, fauce purpurascens; labrum crassum, albidum, in medio macula fusca notatum, intus valde et confertim dentato-plicatum; columella arcuata, mediocriter callosa. Long. 15, diam. 9 mm.

Hab.—Pondoland.

A prettily coloured shell, with a conical spire, and a peculiarly robust body-whorl. The first three or four whorls are strongly plicate, but the rest of the shell is smooth. The type has a single brown blotch about the middle of the white outer lip.

8. *NASSA INCRASSATA* (Müller). Pondoland. A well-known European species.

9. *EPIDROMUS BRACTEATUS* (Hinds). Two specimens from Pondoland. Recorded habitats: Red Sea, Mauritius, Sandwich Islands, Marquesas, Philippines, etc.

10. *OLIVA DACTYLIOLA* (Duclos). Two specimens from Pondoland. I have specimens of this species from the Island of Cebú, Philippines. I cannot agree with Tryon that it is identical with *O. funebris*, Lk.

11. *ANCILLA OSCULATA*, n.sp. Pl. I, Fig. 6.

Testa acuminato-oblonga, lævis, pallida, flammulis brevibus fuscis irregularibus ornata; spira producta, acuta; anfractus 7, convexiusculi, læves, supra sulco angusto haud profundo emarginati; ultimus ovatus, callo basali albo, crebrilirato; apertura parva; columella tenuiter callosa, in medio arcuata, ad basim oblique truncata. Long. 15, diam. 7 mm.; apertura long. 6, lat. 4 mm.

Hab.—Pondoland.

An *Ancilla* of a somewhat unusual form, having much the appearance of a small *Bullia*.

12. *COLUMBELLA FILMERÆ*, n.sp. Pl. I, Fig. 8.

Testa oblonga, subcylindræa, rufo-fusca, promiscue albo guttata, zona angusta, interrupta, nigro-fusca, ad suturam ornata; spira turrita, convexa, ad apicem acuta; anfractus 7, planato-convexi, læves, sutura anguste canaliculata sejuncti; ultimus convexiusculus, infra medium leviter attenuatus; apertura elongata, angustiuscula, leviter sinuosa; columella rectiuscula, intus uniplicata, extus lamina alba contecta; labrum leviter incurvum, postice sinuatum, intus dentato-plicatum. Long. 20, diam. 9 mm.

Hab.—Pondoland.

A handsomely coloured shell, somewhat allied to *C. flava*, Brug., but without the anterior contraction characteristic of that species. The specimens vary somewhat in form and colour, but the narrow dark-brown band against the channelled suture is characteristic, as also is the general sprinkling of conspicuous white spots.

13. *COLUMBELLA BECKERI*, n.sp. Pl. I, Fig. 7.

Testa abbreviato-fusifformis, nitens, rufo-fusca, zona albida ad suturam ornata; spira elato-conica, ad apicem obtusa, apice papillari;

anfractus 5, convexi, primi 2 læves, sequentes liris numerosis rotundatis leviter obliquis instructi, spiraliter striati, sutura impressa sejuncti; ultimus supra convexus, infra attenuatus, leviter prolongatus; apertura elongata, angustiuscula; columella leviter sinuosa; labrum tenue, postice breviter sinuatum. Long. 6, diam. 3 mm.

Hab.—The Kowie.

A characteristic little shell, longitudinally plicate, with a rather short spire, and a long narrow mouth. The body-whorl is attenuated and constricted towards the base.

14. MITRA BATHYRAPHE, n.sp. Pl. I, Fig. 9.

Testa breviter fusiformis, carneola, ad apicem rufo-fusca; spira gradata; anfractus 5, convexi, primi 2 læves, nitentes, sequentes liris confertiusculis, planiusculis instructi, interstitiis transversim sulcatis; sutura profunde canaliculata; anfractus ultimus supra convexus, infra constrictus, ad basim spiraliter liratus; apertura mediocriter lata; columella quadriplicata; labrum arcuatum. Long. 7, diam. 3.5 mm.

Hab.—The Kowie.

A very remarkable little shell, characterized chiefly by its deeply channelled suture.

15. MITRA CANALICULATA, n.sp. Pl. I, Fig. 10.

Testa oblonga, subcylindræa, albida, luteo-fusco balteata; spira elata, convexiuscula; anfractus 6, leviter convexi, longitudinaliter obscurissime plicati, balteo fusco angusto interrupto ad suturam ornati; sutura profunde canaliculata; anfractus ultimus lævigatus, plicis obsoletis, infra medium luteo-fuscus, supra et infra fusco interruptim anguste balteatus; apertura brevis; columella rectiuscula, albida, plicis 4, acutis, prominentibus, instructa. Long. 10.5, diam. 4 mm.

Hab.—The Kowie.

Allied to *M. bathyræphe*, and having the same remarkably channelled suture, but very different in form; more elongated, with less tumid whorls, and devoid of revolving striæ, or sulci.

16. MITRA EUZONATA, n.sp. Pl. I, Fig. 11.

Testa ovato-fusiformis, alba, balteo unico fusco interrupto in medio cincta; spira breviuscula, leviter convexa; anfractus 5, convexi, spiraliter punctato-sulcati, plicis crassis confertis longitudinaliter instructi; anfractus ultimus elongatus, spiram superans, supra leviter convexus, infra lævissime concavus, paulo attenuatus, rugose liratus; apertura oblonga, mediocriter lata; labrum tenue, arcuatum; columella rectiuscula, quadriplicata, plicis crassiusculis, fere æqualibus. Long. 9, diam. 4 mm.

Hab.—The Kowie.

A white shell, with a brown interrupted band near the top of the body-whorl, or about the middle of the shell. In general aspect it is rather more like a *Mangilia* than a *Mitra*.

17. MARGINELLA LINEATO-LABRUM (Gaskoin). Several specimens of this rare species from Pondoland.

18. *DOLIUM PERDIX* (Linn.). A single specimen from Pondoland. A common species of very wide distribution, viz.: West Indies, Indian Ocean, Mauritius, West Africa, Polynesia, etc.

19. *SOLARIUM* (*TORINIA*) *CÆLATUM*, Hinds. Two shells from Pondoland. Recorded habitat: Straits of Macassar.

20. *VANIKORO GUERINIANA* (Récluz). A single specimen from Pondoland. Recorded habitat: Philippines.

21. *VANIKORO LIGATA* (Récluz). A single specimen from Pondoland. Recorded habitats: Paumotus and Philippines.

22. *PLEUROTOMA* (*CLAVUS*) *CANTHARIS*, Reeve. Two specimens from Pondoland. Recorded habitat: Cebú Island, Philippines.

23. *CONUS GLANS* (Brug.). Pondoland. A common Polynesian species.

24. *AMPHIPERAS BECKERI*, n.sp. Pl. I, Fig. 13.

Testa elongato-pyriformis, rosea, fascia carnea cincta, antice acute producta, postice breviter acuminata, undique transversim punctato-sulcata; apertura angusta, utrinque latior; columella antice tenuiter callosa, uniplicata, callo postico crasso, verruca crassa, rugosa instructo; labrum crassum, intus obtuse serratum, postice sinuatum, rugose plicatum. Long. 7, diam. 3.25 mm.

Hab.—Pondoland.

A very well-defined species, smaller and narrower in proportion than *A. carnea*, acutely beaked at the posterior extremity, with a very prominent rough tubercle above the columella. The whole surface of the shell is transversely puncture-striated.

25. *TEREBRA APICITINCTA*, n.sp. Pl. I, Fig. 14.

Testa acute subulata, albida, hic illic sparsim pallide fusco tincta, ad apicem fusca; anfractus 11, primi 2–3 læves, convexi, cæteri vix convexi, rectiusculi, plicis angustis rectiusculis vel levissime arcuatis creberrimis instructi, haud spiraliter striati; sutura anguste impressa; anfractus ultimus infra lævis; apertura parva; columella contorta; canalis latus, brevissimus, leviter obliquus. Long. 12.5, diam. 3 mm.; apertura long. 2, lat. 1.25 mm.

Hab.—The Kowie.

A small species of the form represented by *T. micans*, Hinds, and characterized by its brown papillary apex. The shell is whitish, sparingly streaked with light brown. The colouring in all the specimens I have seen is confined to the penultimate and antepenultimate whorls.

26. *MORMULA MACANDRÆA* (A. Adams). A single specimen from Pondoland. Recorded habitats: Gulf of Suez and Mekran Coast.

27. *TURBONILLA TINCTA*, n.sp. Pl. I, Fig. 15.

Testa elongato-subulata, pallide fulva; spira levissime convexa; anfractus 11, primus rotundatus, pellucidus, cæteri planati vix

convexi, costis longitudinalibus numerosis (circ. 25) glabratis subplanulatis, interstitiis transversim sulcatis, instructi; anfractus ultimus brevis, ad basim rotundatus, glabratus; apertura parva; columella recta, lævis, rotundata, leviter callosa. Long. 7, diam. 2 mm.

Hab.—The Kowie.

28. *NISO BALTEATA*, n.sp. Pl. I, Fig. 16.

Testa acute pyramidata, solidiuscula, albida, linea fusca balteata; spira acuta, ad apicem obtusa; anfractus 10, læves, planato-declives, sutura leviter impressa sejuncti; anfractus ultimus breviusculus, in medio obtusissime angulatus, infra convexus; umbilicus parvus, sed profundus, lira rotundata marginatus; apertura parviuscula, antice et postice angulata; labrum tenue; columella arcuata. Long. 10, diam. 3 mm.; apertura long. 2.5, lat. 1.5 mm.

Hab.—The Kowie.

An interesting addition to this limited genus. It is a true *Niso*, but has very much the external aspect of *Pyramidella pulchella*, A. Ad., and has the narrow brown band similarly placed.

29. *TURRITELLA KOWIENSIS*, n.sp. Pl. I, Fig. 12.

Testa acute pyramidata, albida, purpureo tincta, maculis flammulisque fuscis ornata; anfractus 13, primus rotundatus, pellucidus, obliquus, cæteri in medio acute carinati, supra et infra leviter concavi, spiraliter striati; ultimus obtuse bicarinatus, ad basim leviter concavus; apertura subquadrata; columella leviter arcuata, lævis, tenuiter callosa. Long. 23, diam. 6 mm.

Hab.—The Kowie.

A species of not very remarkable calibre, presenting much the aspect of *T. conspersa*, Ad. & Reeve, but differing from that species in detail.

30. *GIBBULA (ENIDA) PERSPECTIVA*, n.sp. Pl. I, Fig. 17.

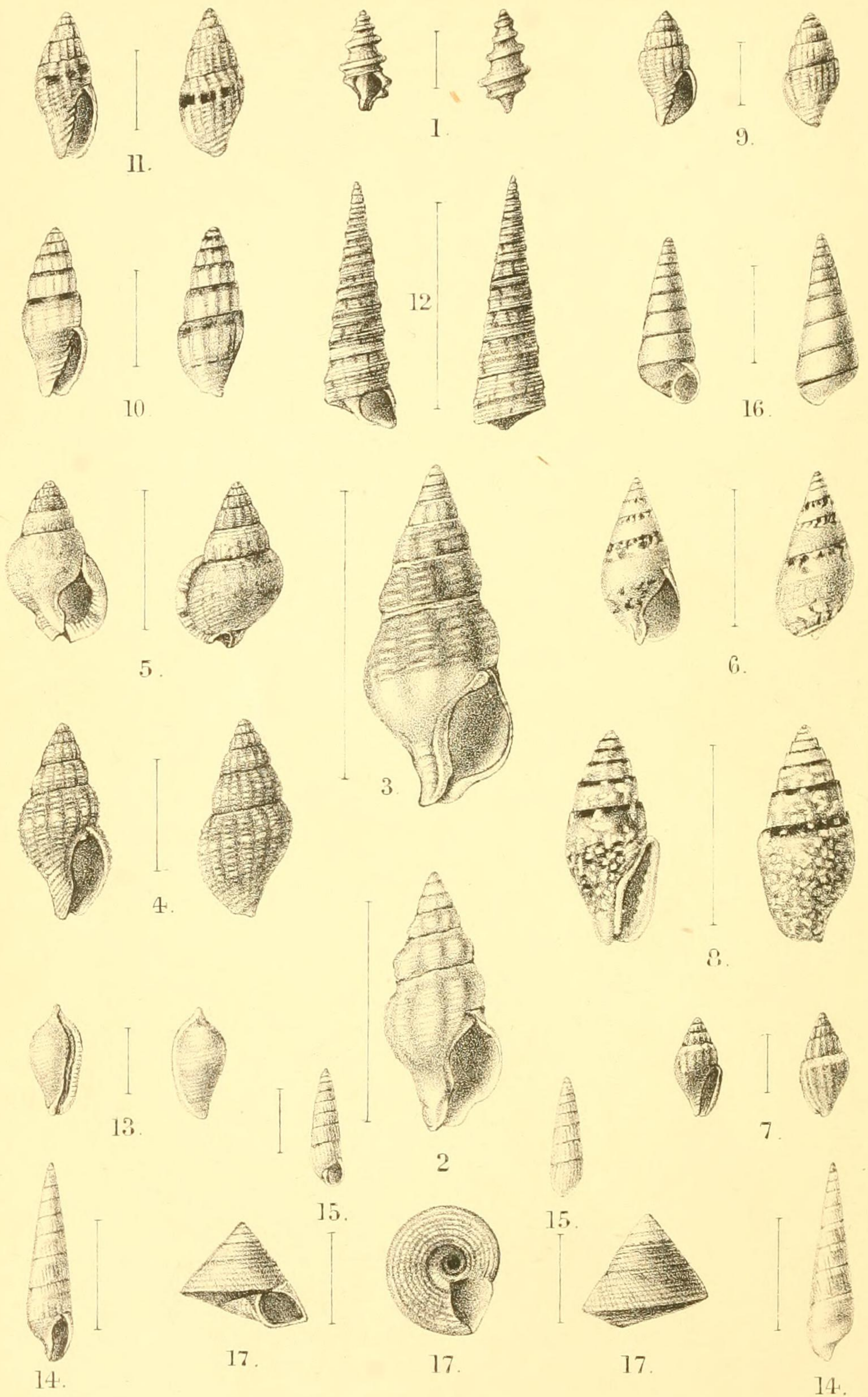
Testa conica, late et profunde umbilicata, rufa; anfractus 6, planato-declives, oblique striati, liris spiralibus confertis inæqualibus leviter granosis instructi; ultimus supra levissime convexus, infra angulatus, ad basim planato-depressus; umbilicus perspectivus, albus; apertura oblique subquadrata. Alt. 10, diam. 11 mm.

Hab.—Pondoland.

I take this broadly umbilicated species to belong to the subgenus *Enida*, A. Ad., of which *E. Japonica* is the type. The other species of *Enida* are four described by A. Adams, but not figured, and *E. Townsendi*, from the Mekran Coast, described by myself.

31. *CALLIOSTOMA LIRATUM* (Sowerby). Several good examples of this species having been found by Mrs. Filmer in Pondoland, I have no longer any hesitation in including it in the list of South African species.

32. *HALIOTIS PERTUSA*, Reeve. Several good specimens from The Kowie.



J. Green del. et lith.

Mintern Bros. imp.

SOUTH AFRICAN MOLLUSCA.