

PROCEEDINGS
OF THE
ZOOLOGICAL SOCIETY
OF LONDON.



PART XX.
1852.

PRINTED FOR THE SOCIETY;
SOLD AT THEIR HOUSE IN HANOVER SQUARE,
AND BY MESSRS. LONGMAN, BROWN, GREEN, AND LONGMANS,
PATERNOSTER ROW.

entibus sculpta, diaphana, nitidula, fusco-violacea vel albida, strigis et lineolis rufis irregulariter picta; sutura simplice; anfr. superst. 4, convexis, ultimo rotundato, basi fortius spirali-ter striato; apertura verticali, ovali; perist. albo, duplice, interno breviter porrecto, externo undique horizontaliter et breviter patente, minute undulato, superne angulato-dilatato, ad anfr. penult. breviter exciso.—Operc. normale.

Long. 18, diam. $9\frac{1}{2}$ mill.

10. DESCRIPTIONS OF FOURTEEN NEW SPECIES OF OPERCULATED LAND-SHELLS, FROM MR. CUMING'S COLLECTION.

BY DR. L. PFEIFFER.

(Mollusca, Pl. XIII.)

1. *CYCLOSTOMA LEUCOSTOMUM* (CYCLOPHORUS), Pfr. *C. testa umbilicata, depresso-turbinata, solida, oblique confertissime striata et liris permultis obtusis spirali-bus (nonnullis validioribus) sculpta, castaneo-fulva, strigis albis angulatis irregulariter flammulata; spira turbinata, apice obtusula; anfr. $4\frac{1}{2}$ convexis, ultimo circa umbilicum angustum, pervium, albo; apertura parum obliqua, circulari, intus alba; perist. simplice, subincrassato, albo, breviter adnato, marginibus superne subangulatim junctis, columellari subdilatato, patente.*

Diam. maj. 26, min. 21, alt. 16 mill.

Locality unknown.

2. *CYCLOSTOMA AMBOINENSE* (CYCLOPHORUS), Pfr. *C. testa umbilicata, turbinato-depressa, solida, lævigata, castaneo-fulva, guttis albis ad peripheriam fasciam interruptam formantibus aspersa; spira convexo-conoidea, obtusula; anfr. $4\frac{1}{2}$ convexis, ultimo rotundato, basi pallidiore; umbilico angusto, pervio; apertura parum obliqua, subcirculari, intus pallida; perist. simplice, subincrassato, vix expansiusculo, marginibus superne subangulatim junctis.*

Diam. maj. 18, min. 15, alt. 10 mill.

β . *minor. castanea, albida sparse strigata et subfasciata.*

Diam. maj. 14, min. $11\frac{1}{2}$, alt. $8\frac{1}{2}$ mill.

From Amboyna.

3. *CYCLOSTOMA BAIRDI* (CYCLOPHORUS), Pfr. (Pl. XIII. fig. 1.) *C. testa late umbilicata, depressa, subdiscoidea, solida, spirali-ter confertim striata, fulvo-lutea, strigis crebris angulatis castaneis picta; spira vix elevata, medio subprominula; anfr. $4\frac{1}{2}$, convexiusculis, ultimo subdepresso, periphèria obsoletissime angulato et fascia castanea ornato; umbilico aperto, $\frac{1}{3}$ diametri paulo superante; apertura obliqua, subangulato-rotundata, intus alba; perist. subsimplice, continuo, breviter adnato, expansiusculo, superne angulatim subproducta.*

Diam. maj. 26, min. 20, alt. 9 mill.

From Ceylon.

4. *CYCLOSTOMA BICOLOR* (LEPTOPOMA), Pfr. (Pl. XIII. fig. 9.) *C. testa perforata, globoso-turbinata, tenui, sub lente confertissime spiraliter striata, diaphana, albida, castaneo-bifasciata; spira turbinata, obtusula; anfr. 5, convexiusculis, ultimo rotundato, lineis 3-4 distantibus, vix filoso-elevatis munito; apertura obliqua, subcirculari; perist. simplice, subæqualiter angulatim expanso, marginibus callo tenuissimo junctis, columellari leviter sinuato.*

Diam. maj. $13\frac{1}{2}$, min. 10, alt. 10 mill.

Locality unknown.

5. *CATAULUS PYRAMIDATUS*, Pfr. (Pl. XIII. fig. 4.) *C. testa subperforata, ovato-pyramidata, solida, distincte subarcuatim et confertim striata, sericea, saturate castanea; spira turrita, apice acutiuscula; anfr. 7-7 $\frac{1}{2}$, modice convexis, ultimo non attenuato, basi axin vix excedente; carina basali compressa, antice vix dilatata; periomphalo latiusculo, profundius striato, medio turgido; apertura subcirculari; perist. albo, continuo, breviter adnato, incrassato, horizontaliter patente et reflexiusculo, basi vix producto, canali mediocri, perforato.*

Long. 23-29, diam. 10-12 $\frac{1}{2}$ mill.

From Ceylon.

6. *CATAULUS EURYTREMA*, Pfr. (Pl. XIII. fig. 5.) *C. testa subperforata, subfusiformi-oblonga, solida, subarcuato-striata, vix nitidula, castanea; spira turrita, apice obtusiuscula; anfr. 8 $\frac{1}{2}$, convexis, ultimo angustiore, basi oblique supra axin protracto; carina basali valida, compressa, antice sensim tubæ instar dilatata; apertura circulari; perist. carneo, continuo, breviter adnato, incrassato et reflexo, parte sinistra marginis basalis canali magno, subcirculari, retrorsum in rimam filiformem abeunte, perforata.*

Long. 26, diam. 10 mill.

From Ceylon.

7. *PUPINA NICOBARICA* (REGISTOMA), Pfr. *P. testa imperforata, ovato-conica, solidula, glaberrima, nitida, pallide isabelina; spira convexa, sursum conica, acutiuscula; sutura lineari; anfr. 5, vix convexiusculis, ultimo oblique descendente, antice breviter ascendente, basi rotundato; apertura subverticali, circulari, nodulo calloso minuto juxta insertionem marginis dextri coarctata; perist. simplice, vix expansiusculo, margine columellari subincrassato, incisura brevi, subascendente a basali separato.*

Long. 6, diam. 3 mill.

From the Nicobar Islands.

8. *HELICINA BULLA*, Pfr. *H. testa globoso-conica, tenui, sub lente punctulato-striatula, vix nitidula, diaphana, hyalino-alba; spira mediocri, conoidea, acutiuscula; anfr. 5, planiusculis, ultimo rotundato, antice subascendente; columella brevi, arcuata, extus subnodosa, callum tenuissimum hyalinum retrorsum*

emittente; apertura obliqua, subtriangulari-semiovali; perist. dilatato, late expanso, margine supero levissime sinuato.
 Diam. maj. 13, min. 10, alt. $8\frac{1}{2}$ mill.
 Locality unknown.

9. *HELICINA BICOLOR*, Pfr. *H. testa depresso-conoidea, acute carinata, tenuiuscula, striatula et sub lente minutissime punctato-granulata, albida, fasciis 2 fuscis supra et infra carinam ornata; spira brevi, conoidea, acuta; anfr. 5, convexiusculis, rapide accrescentibus, ultimo non descendente, basi convexiore; columella fusca, brevi, subarcuata, dilatata, basi in angulum subspiniformem terminata, callum emittente circumscriptum, fuscum; apertura diagonali, late subtriangulari; perist. dilatato, plano, expanso, intus fusco; margine supero subrepando, basali substricto.*

Diam. maj. $11\frac{1}{2}$, min. 9, alt. 6 mill.
 From Tahiti.

10. *CYCLOSTOMA FORTUNEI (CYCLOTUS)*, Pfr. *C. testa umbilicata, turbinato-depressa, solidula, subtiliter striatula, fulva, castaneo minute marmorata et infra medium unifasciata; spira brevissime turbinata, vertice subtili; sutura simplice; anfr. $4\frac{1}{2}$, convexis, ultimo terete, non descendente; umbilico conico, profundo, $\frac{1}{4}$ diametri subæquante; apertura fere verticali, subcirculari, superne leviter angulata; perist. simplice, recto, anfractui penultimo breviter adnato. Operc. calcareum, arcti-spirale.*

Diam. maj. $12\frac{1}{2}$, min. 10, alt. 7 mill.
 From Shanghai, China (Mr. Fortune).

11. *CYCLOSTOMA LOXOSTOMUM (CYCLOPHORUS)*, Pfr. *C. testa umbilicata, depressa, discoidea, solidula, confertim filoso-striata, fusco-fulva, maculis pallidioribus conspersa; spira plana, vertice subtili haud prominente; anfr. 5, convexiusculis, sensim accrescentibus, ultimo terete, antice dilatato, non descendente; umbilico pateræformi, $\frac{1}{3}$ diametri superante; apertura diagonali, subcirculari, intus margaritacea; perist. continuo, breviter adnato, recto, subduplicato, vix incrassato.*

Diam. maj. $13\frac{2}{3}$, min. 11, alt. 4 mill.
 From Ceylon (Mr. Lear).

12. *CYCLOSTOMA FORNICATUM (CYCLOPHORUS)*, Pfr. *C. testa umbilicata, sublenticulari, tenuiuscula, lineis elevatis concentricis confertis sculpta, epidermide corneo-virente, vix nitidula induta; spira brevi, fornicata, vertice rubello, obtusulo; anfr. 4, vix convexiusculis, celeriter accrescentibus, ultimo convexiore, medio acute carinato; umbilico profundo, $\frac{1}{3}$ diametri subæquante; apertura obliqua, ovato-circulari; perist. simplice, recto, subinterrupto, marginibus approximatis, columellari subpatente.*

Diam. maj. 9, min. 7, alt. $3\frac{2}{3}$ mill.
 From the New Hebrides.

13. *CYCLOSTOMA STRIATULUM* (*CYCLOSTOMUS* ?), Pfr. *C. testa umbilicata, globoso-turbinata, solida, oblique striatula et lineis concentricis, elevatis, subconfertis sculpta, vix nitidula, flavescenti-albida; spira breviter turbinata, apice obtusiuscula; anfr. 5, convexis, summis lævigatis, ultimo turgido, peripheria obsolete subangulato; umbilico mediocri, profundo; apertura parum obliqua, subangulato-circulari; perist. continuo, breviter adnato, incrassato, expansiusculo, superne angulato. Operculum?*

Diam. maj. $25\frac{1}{2}$, min. 21, alt. 15 mill.

Locality unknown.

14. *CATAULUS THWAITESI*, Pfr. *C. testa vix perforata, subfusiformi-turrita, solida, longitudinaliter confertim costulata, vix nitidula, violaceo-fusca; spira ovato-turrita, apice acuti-uscula; sutura impressa; anfr. 7-7 $\frac{1}{2}$, convexiusculis, ultimo vix attenuato; carina basali validissima, compressa, angulatim patente, alba; apertura verticali, circulari; perist. duplice, albo: interno basi profunde inciso, externo ad anfr. penultimum exciso, cæterum incrassato, reflexo, basi canali mediocri perforato.*

Long. 19, diam. 7 mill.

From Ceylon (*Mr. Thwaites*).

11. DESCRIPTIONS OF TWELVE SPECIES OF LAND SHELLS, FROM NEW ZEALAND.

BY DR. L. PFEIFFER.

1. *HELIX FLAMMIGERA*, Pfr. *H. testa imperforata, depressa, tenuissima, striatula, nitida, pellucida, lutescente, flammis rubris angulatis regulariter picta; spira convexiuscula, vix elevata; anfract. 3, parum convexis, celeriter accrescentibus, ultimo non descendente, basi planiusculo, medio impresso; apertura diagonali, lunato-rotundata; perist. simplice, recto, margine columellari arcuatim ascendente.*

Diam. maj. 7, min. 6, alt. $3\frac{1}{2}$ mill.

2. *HELIX UMBRACULUM*, Pfr. *H. testa imperforata, sublenticulari, tenuiuscula, striatula, oleoso-nitidula, virenti-cornea, strigis angustis, antrorsum descendentibus, rufis obscure picta; spira convexo-conoidea, apice acuta; sutura marginata; anfr. 5 $\frac{1}{2}$, planiusculis, acute carinatis, ultimo non descendente, basi convexiusculo, rufo obsolete tessellato; apertura obliqua, depressa, subtriangulari; perist. simplice, acuto, recto, margine basali levissime arcuato, ad columellam brevissime reflexo.*

Diam. maj. $7\frac{1}{2}$, min. 7, alt. $3\frac{2}{3}$ mill.

3. *HELIX PÆCILOCOSTATA*, Pfr. *H. testa perforata, trochiformi, tenui, confertim plicata, fulva, rufo-maculata, diaphana; spira convexo-conica, apice acuti-uscula; sutura marginata; anfr. 5 $\frac{1}{2}$, angustis, convexiusculis, ultimo carinato, non descendente, basi plano; apertura parum obliqua, depressa, angulato-*