

PROCEEDINGS

OF THE

ZOOLOGICAL SOCIETY

OF LONDON.



PART XXII.

1854.

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

dentibus 2 subæqualibus munito, columellari dilatato, umbilicum fere vel omnino claudente.

Long. 24, diam. max. 11, min. 9 mill.

Hab. Isle of Aneiteum, New Hebrides (*Macgillivray*).

2. *PYTHIA OVATA*, Pfr. *P. testa profunde rimata vel aperte umbilicata, compresse ovato-acuminata, solidula, striatula, pallida, livido-nebulosa et maculis castaneis marmorata; spira convexiusculo-conica, acuta; varicibus albis, macula æquilata nigro-castanea, suturam non attingente, marginatis; anfract. 10 planiusculis, antice descendentibus, ad suturam arcuato-plicatis, ultimo spira paulo longiore, basi subcompresso; apertura verticali, intus albida; dentibus parietalibus 2, superiore triangulari, bicurvi, altero valido, simplice, oblique descendente; plica columellari compressa, obliqua; perist. pallide livido, marginibus callo tenui, nitido junctis, dextro superne subsimplice, tum incrassato, reflexo, intus callo albo, inæqualiter 5-dentato munito, columellari per-dilatato, patente.*

Long. 31, diam. max. 26, min. $23\frac{1}{2}$ mill.

Hab. —?

3. *PYTHIA CELEBENSIS*, Pfr. *P. testa anguste umbilicata, ovato-conica, solida, irregulariter striata, subunicolore saturate fulva; spira conica, acuta; varicibus fulvo-luteis; anfract. 10 planiusculis, antice descendentibus, ad suturam valide arcuato-plicatis, ultimo spiram subæquante, basi subcompresso; apertura sub-obliqua, intus livido-carnea, nitida; dentibus parietalibus 2, superiore subtrigono, altero valido, compresso, subobliquo; plica columellari parvula, dentiformi, arcuatim ascendente; perist. livido-limbato, marginibus callo tenuissimo junctis, dextro superne subsimplice, tum breviter expanso et reflexiusculo, intus callo lato, carneo, inæqualiter 5-dentato munito, columellari crasso, sinuoso-patente.*

Long. 33, diam. max. 18, min. 15 mill.

Hab. Celebes.

3. DESCRIPTIONS OF EIGHTEEN NEW SPECIES OF CYCLOSTOMACEA, FROM MR. CUMING'S COLLECTION.

BY DR. L. PFEIFFER.

1. *CYCLOSTOMA CHINENSE* (CYCLOTUS?), Pfr. *C. testu umbilicata, convexo-depressa, solida, striata, sub epidermide fusciscenti-fulva alba, obsolete fasciata; spira convexa, vix conoidea, apice subtili; anfract. 4 convexis, rapide accrescentibus, ultimo terete; umbilico conico, $\frac{1}{5}$ diametri occupante; apertura subverticali, circulari, intus margaritacea; perist. continuo, breviter adnato, duplice: interno haud porrecto, externo breviter patente, obtuso.—Operc. —?*

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

Hab. Hong Kong, China (*Mr. Fortune*).

2. *CYCLOSTOMA MONTANUM* (CYCLOTUS?), Pfr. *C. testa umbilicata, turbinato-depressa, solida, superne confertim spiraliter lirata, alba, fusculo obsolete maculata et fasciata; spira turbinata, acutiuscula; anfract. 4 convexis, rapide accrescentibus, ultimo non descendente, subtus lævigato, in umbilico mediocri, profundo, spiraliter striato; apertura parum obliqua, angulato-rotundata; perist. simplice, recto, breviter adnato, margine columellari reflexiusculo.—Operc. —?*

Diam. maj. $12\frac{1}{2}$, min. 10, alt. 8 mill.

Hab. Neilgherries.

3. *CYCLOSTOMA BIROSTRE* (CYCLOTUS), Pfr. *C. testa umbilicata, depressa, subdiscoidea, solidula, irregulariter striata, fulvo-lutea, fascia peripherica castanea et superne strigis latis angulatis ornata; spira plana, vertice subtili, vix prominulo; anfract. fere 5 convexiusculis, rapide accrescentibus, ultimo terete, subtus obsolete maculato, antice soluto et tubulo antrorsum curvato munito; umbilico lato, anfractus omnes latiores et convexiores monstrante quam superne; apertura diagonali, circulari; perist. duplice, interno brevi, recto, externo expanso et inflexo, superne in rostrum apertum, anfractum ultimum tangentem, producto.—Operc. album, arctispirum, extus concavum.*

Diam. maj. 26, min. 19, alt. 7 mill.

Hab. Sarawak, Borneo.

4. *CYCLOSTOMA PTEROCYCLOIDES* (CYCLOTUS), Pfr. *C. testa umbilicata, depressa, subdiscoidea, solidula, striatula et striis spiralibus sub lente decussata, lutea, strigis angulatis castaneis picta; spira plana, vertice mucronatim prominulo; anfract. 5 rapide accrescentibus, parum convexis, ultimo depresso-rotundato, antice soluto et spiraculo antrorsum vix ascendente munito; umbilico profundo, $\frac{1}{3}$ diametri superante; apertura diagonali, circulari; perist. duplice, interno vix porrecto, superne leviter emarginato, externo dilatato, rectangule patente, limbo subinflexo, superne subangulatim producto.—Operc. —?*

Diam. maj. 25, min. 19, alt. 7 mill.

Hab. —?

5. *CYCLOSTOMA FLORIDUM* (CYCLOPHORUS), Pfr. *C. testa anguste umbilicata, globoso-turbinata, tenuiuscula, oblique levis-sime striatula, albida, maculis sagittæformibus fuscis, interdum in strigas angulosas confluentibus, conspersa; spira turbinata, acutiuscula, apice sæpe nigro-cornea; anfract. 5 convexis, ultimo rotundato, infra peripheriam fascia castanea, deorsum dissoluta, tæniato; apertura obliqua, subcirculari; perist. simplice, breviter expanso, marginibus callo brevi junctis, sinistro subreflexo.—Operc. —?*

Diam. maj. 30, min. 24, alt. 20 mill.

Hab. —?

6. *CYCLOSTOMA EXALTATUM* (CYCLOPHORUS), Pfr. *C. testa*

umbilicata, globoso-turbinata, tenuiuscula, oblique striata, nigro-castanea, strigis angulosis pallidis notata; spira elevato-turbinata, acutiuscula; anfract. 5 regulariter accrescentibus, convexis, ultimo rotundato, peripheria pallide subfasciato; apertura vix obliqua, subcirculari, intus caeruleo-albida; perist. simplice, albo, marginibus callo brevi junctis, dextro perarcuato, breviter expanso, sinistro supra partem umbilici perangusti fornicatim patente.—Operc. —?

Diam. maj. 25, min. 21, alt. 19 mill.

Hab. Hong Kong, China (*Mr. Fortune*).

7. *CYCLOSTOMA SUMATRENSE* (CYCLOPHORUS), Pfr. *C. testa umbilicata, depresso-turbinata, tenui, spiraliter tenuissime striata, nitidula, fusca, ad suturam maculis alternis castaneis et pallidis tæniata, infra peripheriam fasciis 2 articulatis ornata; spira breviter turbinata, acutiuscula; anfract. 5 rapide accrescentibus, superis convexiusculis, ultimo turgido, peripheria subcarinato; umbilico mediocri, infundibuliformi; apertura obliqua, subcirculari, intus margaritacea; perist. albo, simplice, subcontinuo, breviter adnato, superne et ad dextram late expanso et revoluto, margine sinistro minus dilatato.—Operc. fulvum.*

Diam. maj. 45, min. 34, alt. 23 mill.

Hab. Pedang, Island of Sumatra (*Capt. A. Martin*).

8. *CYCLOSTOMA TÆNIATUM* (CYCLOPHORUS), Pfr. *C. testa umbilicata, globoso-turbinata, solida, oblique confertim striata, parum nitente, albida, fasciis variis atrofuscis interruptis et maculatis tæniata; spira turbinata, acutiuscula; anfract. 5 convexis, ad suturam complanatis, minute maculatis, ultimo turgido, infra peripheriam carina funiformi, nonnullisque fasciis latioribus cincto, basi planiore; umbilico angusto, pervio; apertura obliqua, subcirculari, intus albida, fasciis perlucentibus; perist. simplice, recto, continuo, breviter adnato, superne subangulato, margine dextro antrorsum dilatato, sinistro incrassato, subpatente.—Operc. rubello-fulvum.*

Diam. maj. 28, min. 24, alt. 18 mill.

Hab. Sumatra.

9. *CYCLOSTOMA CEREUM* (CYCLOPHORUS ?), Pfr. *C. testa perforata, conoideo-globosa, solidula, leviter striata, parum nitente, virenti-cerea; spira conoidea, obtusula; anfract. 4 convexis, ultimo rotundato; apertura parum obliqua, subangulato-circulari; perist. continuo, breviter adnato, margine dextro recto, columellari subincrassato.—Operc. —?*

Diam. maj. $6\frac{2}{3}$, min. 6, alt. 5 mill.

Hab. —?

10. *CYCLOSTOMA DEPLANATUM* (CYCLOPHORUS ?), Pfr. *C. testa late umbilicata, depressa, subdiscoidea, solida, confertim striatula, nitida, fusco-lutea vel castanea, fascia unica peripherica, lutea cincta; spira vix prominula, vertice subtili; sutura profunda;*

- anfract. 5 rotundatis, ultimo terete, antice sensim descendente; apertura obliqua, subcirculari, intus alba; perist. continuo, in-crassato, expansiusculo, subduplicato, breviter adnato, margine columellari regulariter arcuato.—Operc. —?*
 Diam. maj. $27\frac{1}{2}$, min. 23, alt. 8 mill.
Hab. Koondah mountains, India (*Mr. Pirrie*).

11. *CYCLOSTOMA SEMICLAUSUM (LEPTOPOMA)*, Pfr. *C. testa perforata, globoso-turbinata, tenuiuscula, striis obliquis et spiralibus minute decussata, albida, flammis latis angulosis fusco-viridibus et fasciis inframedianis nonnullis saturatioribus picta; spira elata, turbinata, acutiuscula; anfract. 5 convexis, rapide accrescentibus; apertura obliqua, fere circulari; perist. duplice: interno expansiusculo, incumbente, externo rectangule patente, ad perforationem reflexo, eam fere claudente.—Operc. virenti-fulvum.*
 Diam. maj. 13, min. 10, alt. 10 mill.
Hab. Ceylon (*Mr. Thwaites*).

12. *CYCLOSTOMA SEHELLARUM (LEPTOPOMA ?)*, Pfr. *C. testa anguste umbilicata, globoso-conica, tenuiuscula, radiato-striata, pluricarinata, fuscescenti-albida; spira turbinata, acutiuscula; anfract. 5 convexis, rapide accrescentibus, ultimo carinis 2-3 majoribus (maxima peripherica, aliis superis) lirisque spiralibus basi confertioribus munito; apertura vix obliqua, subcirculari; perist. simplice, breviter expanso, marginibus approximatis.—Operc. —?*
 Diam. maj. 12, min. 10, alt. 10 mill.
Hab. Seychelles Islands.

13. *CYCLOSTOMA PÆCILUM (LEPTOPOMA)*, Pfr. *C. testa perforata, turbinata, tenuiuscula, oblique striata, virenti-lutea, flammis albidis et lineis spiralibus nigricantibus ornata; spira turbinata, apice acutiuscula, nigricante; anfract. 5 convexis, sensim accrescentibus, ultimo periphæria rotundato, basi planiusculo, circa perforationem punctiformem excavato; apertura parum obliqua, subcirculari; perist. simplice, recto, marginibus approximatis.—Operc. corneum.*
 Diam. maj. 8, min. $6\frac{2}{3}$, alt. 6 mill.
Hab. Ceylon (*Mr. Thwaites*).

14. *CYCLOSTOMA KIENERI (CYCLOSTOMUS ?)*, Pfr. *C. testa umbilicata, depressa, solida, radiatim conferte striata, superne liris sub 5 carinæformibus munita, parum nitida, rufa, albido-marmorata; spira brevi, subturbinata, apice nigra, acutiuscula; anfract. 5 convexis, celeriter accrescentibus, ultimo antice descendente, juxta suturam subexcavato, periphæria subobtusè carinato, basi lævigato; umbilico profundo, $\frac{1}{3}$ diametri subæquante; apertura perobliqua, angulato-rotundata, intus ignea; perist. continuo,*

subrecto, crasso, obtuso, superne angulatim producto, adnato.—
Operc. —?

Diam. maj. $19\frac{1}{2}$, min. 16, alt. 9 mill.

Hab. Madagascar.

15. *CYCLOSTOMA GRADATUM* (*CYCLOSTOMUS* ?), Pfr. *C. testa perforata, globoso-conica, solidula, radiato-striata et spiraliter lirata (liris inæqualibus, juxta suturam subtilibus, tum 1–3 validis carinæformibus, reliquis obtusis), pallide lutescente; spira turbinata, gradata, acutiuscula; anfract. 5 angulato-convexis, ultimo basi inflato; apertura parum obliqua, subangulato-circulari; perist. albo, subincrassato, continuo, breviter adnato, vix expansiusculo.*—*Operc.* —?

Long. 7, diam. 5 mill.

Hab. Ceylon (*Mr. Thwaites*).

16. *CATAULUS DUPLICATUS*, Pfr. *C. testa subperforata, fusiformi-ovata, solida, striata striisque spiralibus obsolete decussata, virescenti-fusca, pallide nebulosa; spira curvilineari, elongata, apice acutiuscula; sutura levi, marginata; anfract. $7\frac{1}{2}$ vix convexiusculis, ultimo attenuato, antice subascendente; carina basali compressa, antrorsum vix dilatata; apertura circulari, basi axin vix excedente; perist. aurantiaco, duplice: interno breviter porrecto, basi profunde inciso, externo rectangule patente, basi ad canalem angustum vix protracto.*

Long. 18, diam. 7 mill.

Hab. Ceylon (*Mr. Thwaites*).

17. *DIPLOMMATINA MACGILLIVRAYI*, Pfr. *D. testa sinistrorsa, breviter rimata, oblongo-ovata, tenui, diaphana, pallide cornea; spira turgida; anfract. 6 convexis, superis 2 apicem subpapillatum formantibus, sequentibus 2 distanter cordato-costulatis, penultimo latissimo, confertius costulato, ultimo antice ascendente, $\frac{1}{3}$ longitudinis paulo superante, confertissime costulato, basi rotundato; apertura vix obliqua, subcirculari; perist. duplice: interno appresso, externo breviter et æqualiter expanso.*

Long. 6, diam. 3 mill.

β. Violaceo-fusca, anfr. ultimo pallide unifasciato.

Hab. Lord Howe's Island, Australian seas (*Mr. Macgillivray*).

18. *DIPLOMMATINA CAPILLACEA*, Pfr. *D. testa sinistrorsa, breviter rimata, ovato-conica, tenui, capillaceo-striata, pellucida, haud nitente, pallide cornea; spira turgida, sursum conica, apice acutiuscula; anfract. 6 convexiusculis, penultimo latissimo, ultimo antice ascendente, $\frac{1}{3}$ longitudinis paulo superante, basi rotundato; apertura subverticali, circulari; perist. albo, expanso, indistincte duplicato, marginibus callo junctis.*

Long. 5, diam. $2\frac{2}{3}$ mill.

Hab. Lord Howe's Island, Australian seas (*Mr. Macgillivray*).